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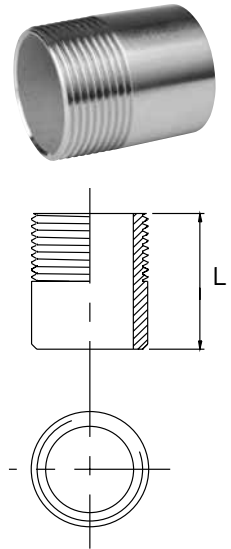
Anschweissnippel - 408

ähnl. DIN EN 10241 (DIN 2982), konisches Gewinde,
R-DIN EN 10226-1 / ISO 7-1

Welding nipple - 408

similar to DIN EN 10241 (DIN2982), conical thread,
R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 |
|-----------|--------|------|--------|------------|---------------------------|
| | | | | | Artikel-Nr. Article-No |
| 1/8" | 30,00 | 2,00 | 10,00 | 0,010 | ● 35198 |
| 1/4" | 30,00 | 2,30 | 13,50 | 0,017 | ● 35197 |
| 3/8" | 30,00 | 2,30 | 17,20 | 0,022 | ● 35213 |
| 1/2" | 35,00 | 2,60 | 21,30 | 0,033 | ● 35195 |
| 1/2" | 60,00 | 2,60 | 21,30 | 0,070 | ● 34666 |
| 1/2" | 80,00 | 2,60 | 21,30 | 0,075 | ● 35196 |
| 1/2" | 100,00 | 2,60 | 21,30 | 0,094 | ● 35194 |
| 3/4" | 40,00 | 2,60 | 26,90 | 0,052 | ● 35212 |
| 3/4" | 60,00 | 2,60 | 26,90 | 0,090 | ● 34667 |
| 3/4" | 80,00 | 2,60 | 26,90 | 0,130 | ● 34668 |
| 3/4" | 100,00 | 2,60 | 26,90 | 0,130 | ● 35211 |
| 1" | 40,00 | 3,20 | 33,70 | 0,076 | ● 35206 |
| 1" | 60,00 | 3,20 | 33,70 | 0,150 | ● 34669 |
| 1" | 80,00 | 3,20 | 33,70 | 0,200 | ● 34670 |
| 1" | 100,00 | 3,20 | 33,70 | 0,190 | ● 35205 |
| 1 1/4" | 50,00 | 3,20 | 42,40 | 0,127 | ● 35203 |
| 1 1/4" | 100,00 | 3,20 | 42,40 | 0,254 | ● 35201 |
| 1 1/4" | 120,00 | 3,20 | 42,40 | 0,305 | ● 35202 |
| 1 1/2" | 50,00 | 3,20 | 48,30 | 0,168 | ● 35200 |
| 1 1/2" | 100,00 | 3,20 | 48,30 | 0,336 | ● 35199 |
| 2" | 50,00 | 3,60 | 60,30 | 0,193 | ● 35210 |
| 2" | 100,00 | 3,60 | 60,30 | 0,386 | ● 35208 |
| 2" | 120,00 | 3,60 | 60,30 | 0,463 | ● 35209 |
| 2" | 150,00 | 3,60 | 60,30 | 0,767 | ● 36444 |
| 2 1/2" | 60,00 | 3,60 | 76,10 | 0,287 | ● 35207 |
| 2 1/2" | 150,00 | 3,60 | 76,10 | 0,980 | ● 35392 |
| 3" | 70,00 | 4,00 | 88,90 | 0,476 | ● 35214 |
| 4" | 80,00 | 4,00 | 114,30 | 0,916 | ● 35215 |
| 5" | 90,00 | 5,00 | 139,70 | 1,450 | ● 35454 |
| 6" | 120,00 | 7,10 | 168,30 | 2,050 | ● 35455 |



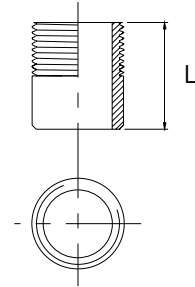
Anschweissnippel - 408

ähnl. DIN EN 10241 (DIN 2982), konisches Gewinde, nahtlos,
R-DIN EN 10226-1 / ISO 7-1

Welding nipple - 408

similar to DIN EN 10241 (DIN2982), conical thread , seamless,
R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 |
|-----------|--------|------|-------|------------|---------------------------|
| | | | | | Artikel-Nr. Article-No |
| 1/2" | 150,00 | 2,90 | 21,30 | 0,220 | ● 761105 |
| 3/4" | 150,00 | 2,90 | 26,90 | 0,280 | ● 761106 |
| 1" | 150,00 | 3,60 | 33,70 | 0,410 | ● 761107 |
| 1 1/4" | 150,00 | 3,60 | 42,40 | 0,520 | ● 761108 |
| 1 1/2" | 150,00 | 3,60 | 48,30 | 0,600 | ● 761109 |



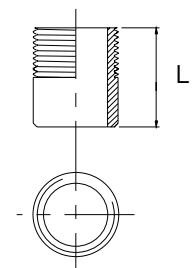
Anschweissnippel - 408V

ähnl. DIN EN 10241 (DIN 2982), konisches Gewinde,
R-DIN EN 10226-1 / ISO 7-1

Welding nipple - 408V

similar to DIN EN 10241 (DIN2982), conical thread,
R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4541 |
|-----------|-------|------|--------|------------|---------------------------|
| | | | | | Artikel-Nr. Article-No |
| 1/8" | 30,00 | 2,00 | 10,00 | 0,010 | ● 35238 |
| 1/4" | 30,00 | 2,30 | 13,50 | 0,017 | ● 35237 |
| 3/8" | 30,00 | 2,30 | 17,20 | 0,022 | ● 35246 |
| 1/2" | 35,00 | 0,60 | 21,30 | 0,033 | ● 35236 |
| 3/4" | 40,00 | 2,60 | 26,00 | 0,052 | ● 35245 |
| 1" | 40,00 | 3,20 | 33,70 | 0,076 | ● 35242 |
| 1 1/4" | 50,00 | 3,20 | 42,40 | 0,127 | ● 35240 |
| 1 1/2" | 50,00 | 3,20 | 48,30 | 0,168 | ● 35239 |
| 2" | 50,00 | 3,60 | 60,30 | 0,193 | ● 35244 |
| 2 1/2" | 60,00 | 3,60 | 76,10 | 0,287 | ● 35243 |
| 3" | 70,00 | 4,00 | 88,90 | 0,476 | ● 35247 |
| 4" | 80,00 | 4,00 | 114,30 | 0,916 | ● 35248 |



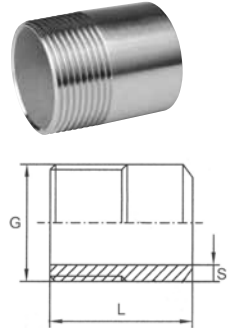
Anschweissnippel - 408HP

ähnlich DIN EN 10241 (DIN 2982), nahtlos, planer Dichtfläche,
zylindrisches Gewinde, G-DIN ISO 228-1

Welding nipple - 408HP

similar DIN EN 10241 (DIN 2982), seamless, smooth ends,
cylindric thread, G-DIN ISO 228-1

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|------|-------|------------|---------------------------|
| G | | | | | Artikel-Nr. Article-No |
| 1/4" | 30,00 | 2,30 | 13,50 | 0,014 | ● 35217 |
| 3/8" | 35,00 | 2,90 | 17,20 | 0,029 | ● 35224 |
| 1/2" | 35,00 | 2,90 | 21,30 | 0,037 | ● 35216 |
| 3/4" | 40,00 | 2,90 | 26,00 | 0,062 | ● 35223 |
| 1" | 40,00 | 3,60 | 33,70 | 0,085 | ● 35220 |
| 1 1/4" | 45,00 | 3,60 | 42,40 | 0,122 | ● 35219 |
| 1 1/2" | 45,00 | 3,60 | 48,30 | 0,152 | ● 35218 |
| 2" | 45,00 | 4,00 | 60,30 | 0,193 | ● 35222 |
| 2 1/2" | 50,00 | 4,00 | 76,10 | 0,290 | ● 35221 |
| 3" | 60,00 | 4,50 | 88,90 | 0,404 | ● 35225 |



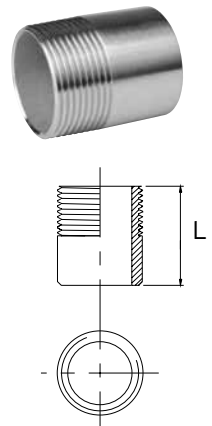
Anschweissnippel - 408H

ähnlich DIN EN 10241 (DIN 2982), zylindrisches Gewinde,
G-DIN ISO 228-1

Welding nipple - 408H

similar to DIN EN 10241 (DIN 2982), cylindric thread,
G-DIN ISO 228-1

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 |
|-----------|------|------|-------|------------|-----------|
| 1 1/2" | 50,0 | 3,20 | 48,30 | 0,018 | ● 29945 |
| 2" | 50,0 | 3,60 | 60,30 | 0,023 | ● 29944 |



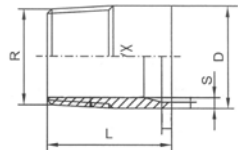
Anschweissnippel - 408RS

ähnlich DIN EN 10241 (DIN 2982), reduzierte Wandstärke, konisches Gewinde,
R-EN 10241/ EN 10226-1

Welding nipple - 408RS

similar to DIN EN 10241 (DIN 2982), reduced wall thickness, conical thread,
R-EN 10241/ EN 10226-1

| Abm./Dim. | L mm | S mm | D mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|------|-------|------------|---------------------------|
| R | | | | | Artikel-Nr. Article-No |
| 1/4" | 30,00 | 1,60 | 13,50 | 0,015 | ● 35227 |
| 3/8" | 30,00 | 1,60 | 17,20 | 0,021 | ● 35234 |
| 1/2" | 35,00 | 1,60 | 21,30 | 0,033 | ● 35226 |
| 3/4" | 40,00 | 1,60 | 26,00 | 0,049 | ● 35233 |
| 1" | 40,00 | 2,00 | 33,70 | 0,075 | ● 35230 |
| 1 1/4" | 50,00 | 2,00 | 42,40 | 0,120 | ● 35229 |
| 1 1/2" | 50,00 | 2,00 | 48,30 | 0,144 | ● 35228 |
| 2" | 50,00 | 2,00 | 60,30 | 0,183 | ● 35232 |
| 2 1/2" | 60,00 | 2,30 | 76,10 | 0,313 | ● 35231 |
| 3" | 70,00 | 2,30 | 88,90 | 0,453 | ● 35235 |



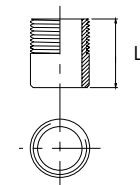
Anschweissnippel - 308N

ähnl. DIN EN 10241 (DIN 2982),
mit NPT-Gewinde

Welding nipple - 308N

similar to DIN EN 10241 (DIN 2982),
with NPT thread

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|------|-------|------------|---------------------------|
| | | | | | Artikel-Nr. Article-No |
| 1/4" | 35,00 | 2,30 | 13,50 | 0,017 | ● 35062 |
| 3/8" | 35,00 | 2,30 | 17,20 | 0,022 | ● 35068 |
| 1/2" | 35,00 | 2,60 | 21,30 | 0,033 | ● 35061 |
| 3/4" | 40,00 | 2,60 | 26,00 | 0,052 | ● 35067 |
| 1" | 40,00 | 3,20 | 33,70 | 0,076 | ● 35065 |
| 1 1/4" | 50,00 | 3,20 | 42,40 | 0,127 | ● 35064 |
| 1 1/2" | 50,00 | 3,20 | 48,30 | 0,168 | ● 35063 |
| 2" | 50,00 | 3,60 | 60,30 | 0,193 | ● 35066 |



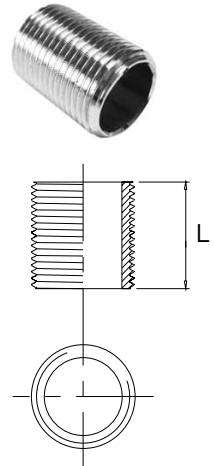
Rohrnippel - 409

ähnl. DIN EN 10241 (DIN 2982), mit durchgehendem Gewinde,
G-DIN ISO 228-1

Nipple - 409

similar to DIN EN 10241 (DIN 2982), with continuous thread,
G-DIN ISO 228-1

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 | AISI 316 |
|-----------|------|------|--------|------------|--------------------------------------|--------------------------------------|
| 1/8" | 16,0 | 2,00 | 10,00 | 0,004 | Artikel-Nr. Article-No ● 35251 | Artikel-Nr. Article-No ● 10079 |
| 1/4" | 18,0 | 2,30 | 13,50 | 0,007 | ● 35250 | ● 10080 |
| 3/8" | 22,0 | 2,30 | 17,20 | 0,010 | ● 35258 | |
| 1/2" | 25,0 | 2,60 | 21,30 | 0,018 | ● 35249 | |
| 3/4" | 30,0 | 2,60 | 26,00 | 0,029 | ● 35257 | |
| 1" | 35,0 | 3,20 | 33,70 | 0,047 | ● 35254 | |
| 1 1/4" | 38,0 | 3,20 | 42,40 | 0,058 | ● 35253 | |
| 1 1/2" | 38,0 | 3,20 | 48,30 | 0,097 | ● 35252 | |
| 2" | 45,0 | 3,60 | 60,30 | 0,146 | ● 35256 | |
| 2 1/2" | 55,0 | 3,60 | 76,10 | 0,250 | ● 35255 | ● 10088 |
| 3" | 60,0 | 4,00 | 88,90 | 0,420 | ● 35259 | |
| 4" | 65,0 | 4,00 | 114,30 | 0,950 | | ● 29961 |



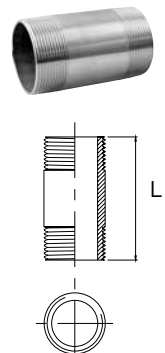
Rohrdoppelnippel - 410

ähnl. DIN EN 10241 (DIN 2982), mit beidseitigem Gewinde,
R-DIN EN 10226

Barrel nipple - 410

similar to DIN EN 10241 (DIN 2982), with thread on both ends,
R-DIN EN 10226

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 | Artikel-Nr. Article-No |
|-----------|--------|------|-------|------------|-----------|---------------------------|
| 1/8" | 30,00 | 2,00 | 10,00 | 0,010 | | ● 35278 |
| 1/8" | 40,00 | 2,00 | 10,00 | 0,016 | | ● 35241 |
| 1/8" | 60,00 | 2,00 | 10,00 | 0,020 | | ● 35279 |
| 1/8" | 120,00 | 2,00 | 10,00 | 0,040 | | ● 35277 |
| 1/4" | 30,00 | 2,30 | 13,50 | 0,019 | | ● 35272 |
| 1/4" | 40,00 | 2,30 | 13,50 | 0,026 | | ● 35273 |
| 1/4" | 50,00 | 2,30 | 13,50 | 0,032 | | ● 35274 |
| 1/4" | 60,00 | 2,30 | 13,50 | 0,039 | | ● 35275 |
| 1/4" | 80,00 | 2,30 | 13,50 | 0,052 | | ● 35276 |



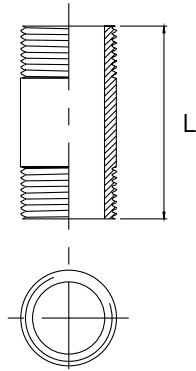
Rohrdoppelnippel - 410

ähnl. DIN EN 10241 (DIN 2982), mit beidseitigem Gewinde,
R-DIN EN 10226

Barrel nipple - 410

similar to DIN EN 10241 (DIN 2982), with thread on both ends,
R-DIN EN 10226

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 |
|-----------|--------|------|-------|------------|---------------------------|
| | | | | | Artikel-Nr. Article-No |
| 1/4" | 100,00 | 2,30 | 13,50 | 0,065 | ● 35268 |
| 1/4" | 120,00 | 2,30 | 13,50 | 0,077 | ● 35269 |
| 1/4" | 150,00 | 2,30 | 13,50 | 0,097 | ● 35270 |
| 1/4" | 200,00 | 2,30 | 13,50 | 0,129 | ● 35271 |
| 3/8" | 30,00 | 2,30 | 17,20 | 0,026 | ● 35326 |
| 3/8" | 40,00 | 2,30 | 17,20 | 0,035 | ● 35327 |
| 3/8" | 50,00 | 2,30 | 17,20 | 0,043 | ● 35328 |
| 3/8" | 60,00 | 2,30 | 17,20 | 0,052 | ● 35329 |
| 3/8" | 80,00 | 2,30 | 17,20 | 0,069 | ● 35330 |
| 3/8" | 100,00 | 2,30 | 17,20 | 0,086 | ● 35322 |
| 3/8" | 120,00 | 2,30 | 17,20 | 0,103 | ● 35323 |
| 3/8" | 150,00 | 2,30 | 17,20 | 0,129 | ● 35324 |
| 3/8" | 200,00 | 2,30 | 17,20 | 0,171 | ● 35325 |
| 1/2" | 40,00 | 2,60 | 21,30 | 0,049 | ● 35265 |
| 1/2" | 60,00 | 2,60 | 21,30 | 0,073 | ● 35266 |
| 1/2" | 80,00 | 2,60 | 21,30 | 0,098 | ● 35267 |
| 1/2" | 100,00 | 2,60 | 21,30 | 0,122 | ● 35261 |
| 1/2" | 120,00 | 2,60 | 21,30 | 0,146 | ● 35262 |
| 1/2" | 150,00 | 2,60 | 21,30 | 0,183 | ● 35263 |
| 1/2" | 200,00 | 2,60 | 21,30 | 0,243 | ● 35264 |
| 1/2" | 300,00 | 2,60 | 21,30 | 0,366 | ● 34836 |
| 3/4" | 40,00 | 2,60 | 26,90 | 0,064 | ● 35319 |
| 3/4" | 60,00 | 2,60 | 26,90 | 0,095 | ● 35320 |
| 3/4" | 80,00 | 2,60 | 26,90 | 0,128 | ● 35321 |
| 3/4" | 100,00 | 2,60 | 26,90 | 0,159 | ● 35315 |
| 3/4" | 120,00 | 2,60 | 26,90 | 0,190 | ● 35316 |
| 3/4" | 150,00 | 2,60 | 26,90 | 0,238 | ● 35317 |
| 3/4" | 200,00 | 2,60 | 26,90 | 0,316 | ● 35318 |
| 3/4" | 300,00 | 2,60 | 26,90 | 0,474 | ● 34837 |
| 1" | 40,00 | 3,20 | 33,70 | 0,098 | ● 35301 |
| 1" | 60,00 | 3,20 | 33,70 | 0,147 | ● 35302 |
| 1" | 80,00 | 3,20 | 33,70 | 0,196 | ● 35303 |
| 1" | 100,00 | 3,20 | 33,70 | 0,245 | ● 35295 |
| 1" | 120,00 | 3,20 | 33,70 | 0,294 | ● 35296 |
| 1" | 130,00 | 3,20 | 33,70 | 0,318 | ● 35297 |
| 1" | 150,00 | 3,20 | 33,70 | 0,369 | ● 35298 |



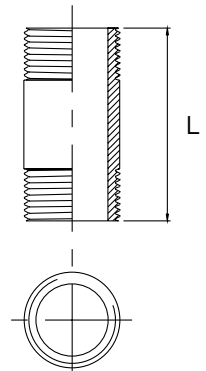
Rohrdoppelnippel - 410

ähnlt. DIN EN 10241 (DIN 2982), mit beidseitigem Gewinde,
R-DIN EN 10226

Barrel nipple - 410

similar to DIN EN 10241 (DIN 2982), with thread on both ends,
R-DIN EN 10226

| Abm./Dim. | L mm | S mm | Ø mm | Kg/Stk./pc | EN 1.4571 | Artikel-Nr. Article-No |
|-----------|--------|------|--------|------------|-----------|---------------------------|
| 1" | 190,00 | 3,20 | 33,70 | 0,465 | | ● 35299 |
| 1" | 200,00 | 3,20 | 33,70 | 0,489 | | ● 35300 |
| 1" | 300,00 | 3,20 | 33,70 | 0,732 | | ● 34838 |
| 1 1/4" | 60,00 | 3,20 | 42,40 | 0,189 | | ● 35293 |
| 1 1/4" | 80,00 | 3,20 | 42,40 | 0,252 | | ● 35294 |
| 1 1/4" | 100,00 | 3,20 | 42,40 | 0,315 | | ● 35288 |
| 1 1/4" | 120,00 | 3,20 | 42,40 | 0,377 | | ● 35289 |
| 1 1/4" | 130,00 | 3,20 | 42,40 | 0,409 | | ● 35290 |
| 1 1/4" | 150,00 | 3,20 | 42,40 | 0,472 | | ● 35291 |
| 1 1/4" | 200,00 | 3,20 | 42,40 | 0,628 | | ● 35292 |
| 1 1/4" | 300,00 | 3,20 | 42,40 | 0,942 | | ● 34839 |
| 1 1/2" | 40,00 | 3,20 | 48,30 | 0,145 | | ● 35285 |
| 1 1/2" | 60,00 | 3,20 | 48,30 | 0,217 | | ● 35286 |
| 1 1/2" | 80,00 | 3,20 | 48,30 | 0,290 | | ● 35287 |
| 1 1/2" | 100,00 | 3,20 | 48,30 | 0,362 | | ● 35280 |
| 1 1/2" | 120,00 | 3,20 | 48,30 | 0,434 | | ● 35281 |
| 1 1/2" | 150,00 | 3,20 | 48,30 | 0,543 | | ● 35282 |
| 1 1/2" | 180,00 | 3,20 | 48,30 | 0,655 | | ● 35283 |
| 1 1/2" | 200,00 | 3,20 | 48,30 | 0,723 | | ● 35284 |
| 1 1/2" | 300,00 | 3,20 | 48,30 | 1,083 | | ● 34840 |
| 2" | 60,00 | 3,60 | 60,30 | 0,307 | | ● 35313 |
| 2" | 80,00 | 3,60 | 60,30 | 0,409 | | ● 35314 |
| 2" | 100,00 | 3,60 | 60,30 | 0,512 | | ● 35308 |
| 2" | 120,00 | 3,60 | 60,30 | 0,614 | | ● 35309 |
| 2" | 150,00 | 3,60 | 60,30 | 0,767 | | ● 35310 |
| 2" | 200,00 | 3,60 | 60,30 | 0,900 | | ● 35311 |
| 2" | 300,00 | 3,60 | 60,30 | 1,533 | | ● 35312 |
| 2 1/2" | 100,00 | 3,60 | 76,10 | 0,654 | | ● 35304 |
| 2 1/2" | 120,00 | 3,60 | 76,10 | 0,785 | | ● 35305 |
| 2 1/2" | 150,00 | 3,60 | 76,10 | 0,981 | | ● 35306 |
| 2 1/2" | 200,00 | 3,60 | 76,10 | 1,307 | | ● 35307 |
| 3" | 100,00 | 4,00 | 88,90 | 0,850 | | ● 35331 |
| 3" | 120,00 | 4,00 | 88,90 | 1,020 | | ● 35332 |
| 3" | 150,00 | 4,00 | 88,90 | 1,276 | | ● 35333 |
| 3" | 200,00 | 4,00 | 88,90 | 1,700 | | ● 35334 |
| 4" | 120,00 | 4,00 | 114,30 | 1,485 | | ● 35335 |



Winkel 90° - 301

ähnl. EN 10241 / ISO 4144 (DIN 2987), beidseitig Innengewinde,

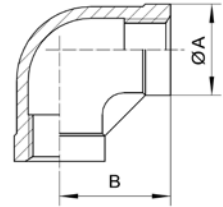
Rp-DIN EN 10226-1 / ISO 7-1

Elbow 90° - 301

similar to EN 10241 / ISO 4144 (DIN 2987), female thread on both sides,

Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | Kg/Stk/pc | AISI 316 |
|-----------|-------|-----------|----------------------------|
| | Ø | | Artikel-Nr. Article-No. |
| 1/8" | 14,00 | 0,018 | ● 10236 |
| 1/4" | 18,50 | 0,029 | ● 10237 |
| 3/8" | 20,80 | 0,043 | ● 10238 |
| 1/2" | 25,00 | 0,053 | ● 10239 |
| 3/4" | 27,50 | 0,079 | ● 10240 |
| 1" | 33,00 | 0,131 | ● 10241 |
| 1 1/4" | 39,50 | 0,204 | ● 10242 |
| 1 1/2" | 43,00 | 0,263 | ● 10243 |
| 2" | 52,00 | 0,433 | ● 10244 |
| 2 1/2" | 61,00 | 0,757 | ● 10245 |
| 3" | 70,50 | 1,053 | ● 10246 |



Winkel 90° - 401

ähnl. DIN EN 10241 (DIN 2987), beidseitig Innengewinde,

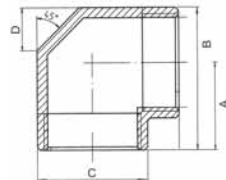
Rp-DIN EN 10226-1 / ISO 7-1

Elbow 90° - 401

similar to DIN EN 10241 (DIN 2987), female thread on both sides,

Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | C mm | D mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|-------|-------|------------|----------------------------|
| | | | | | | Artikel-Nr. Article-No. |
| 1/4" | 21,00 | 30,00 | 18,00 | 4,00 | 0,067 | ● 35171 |
| 3/8" | 24,50 | 35,00 | 21,00 | 5,00 | 0,094 | ● 35177 |
| 1/2" | 28,00 | 41,00 | 27,00 | 6,00 | 0,177 | ● 35170 |
| 3/4" | 33,00 | 50,00 | 34,00 | 10,00 | 0,349 | ● 35176 |
| 1" | 38,00 | 58,00 | 40,00 | 19,00 | 0,507 | ● 35174 |
| 1 1/4" | 45,00 | 70,00 | 50,00 | 20,00 | 0,857 | ● 35173 |
| 1 1/2" | 50,00 | 78,50 | 57,00 | 22,00 | 1,247 | ● 35172 |
| 2" | 55,00 | 90,00 | 70,00 | 27,00 | 1,862 | ● 35175 |



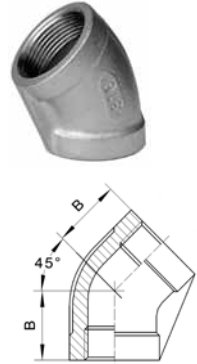
Winkel 45° - 303

ähnl. EN 10241 / ISO 4144 (DIN 2987), beidseitig Innengewinde,
Rp-DIN EN 10226-1 / ISO 7-1

Elbow 45° - 303

similar to EN 10241 / ISO 4144 (DIN 2987), female thread on both sides,
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | B mm | Kg/Stk/pc | AISI 316 |
|-----------|-------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 1/4" | 12,00 | 0,072 | ● 35034 |
| 3/8" | 15,50 | 0,070 | ● 35040 |
| 1/2" | 17,00 | 0,114 | ● 35033 |
| 3/4" | 19,00 | 0,178 | ● 35039 |
| 1" | 21,50 | 0,294 | ● 35037 |
| 1 1/4" | 25,00 | 0,368 | ● 35036 |
| 1 1/2" | 28,50 | 0,506 | ● 35035 |
| 2" | 31,00 | 0,812 | ● 35038 |



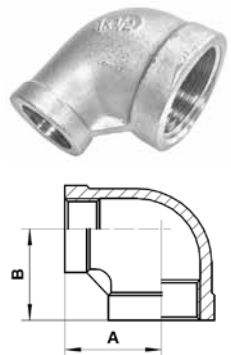
Reduzier-Winkel 90° - 301R

ähnl. EN 10241 / ISO 4144 (DIN 2987), beidseitig Innengewinde,
Rp-DIN EN 10226-1 / ISO 7-1

Elbow 90° reduced - 301R

similar to EN 10241 / ISO 4144 (DIN 2987), female thread on both sides,
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | AISI 316 |
|-----------------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" x 1/8" | 19,30 | 18,80 | 0,031 | ● 35013 |
| 3/8" x 1/4" | 21,00 | 20,20 | 0,060 | ● 35024 |
| 1/2" x 3/8" | 39,00 | 25,50 | 0,105 | ● 35012 |
| 3/4" x 3/8" | 26,70 | 25,00 | 0,125 | ● 35023 |
| 3/4" x 1/2" | 28,80 | 29,00 | 0,244 | ● 35022 |
| 1" x 1/2" | 33,70 | 31,00 | 0,221 | ● 35018 |
| 1" x 3/4" | 35,80 | 32,20 | 0,187 | ● 35019 |
| 1 1/4" x 3/4" | 41,10 | 36,80 | 0,267 | ● 35017 |
| 1 1/4" x 1" | 42,40 | 40,10 | 0,370 | ● 35016 |
| 1 1/2" x 3/4" | 45,70 | 38,60 | 0,836 | ● 35015 |
| 1 1/2" x 1" | 45,70 | 41,90 | 0,785 | ● 34628 |
| 1 1/2" x 1 1/4" | 47,80 | 46,20 | 0,746 | ● 35014 |
| 2" x 1 1/4" | 54,60 | 48,70 | 1,250 | ● 35021 |
| 2" x 1 1/2" | 54,90 | 51,30 | 1,300 | ● 35020 |



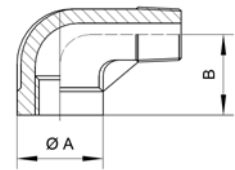
Winkel 90° - 304

ähnl. EN 10241 / ISO 4144 (DIN 2987), Innen-/Außengewinde,
Rp/R-DIN EN 10226-1 / ISO 7-1

Elbow 90° 304

similar to EN 10241 / ISO 4144 (DIN 2987), female/male thread,
Rp/R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|-------|--------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 15,40 | 23,00 | 0,028 | ● 35041 |
| 1/4" | 17,60 | 27,00 | 0,028 | ● 24187 |
| 3/8" | 20,50 | 30,00 | 0,043 | ● 24188 |
| 1/2" | 20,50 | 30,00 | 0,057 | ● 24189 |
| 3/4" | 24,00 | 34,50 | 0,097 | ● 24190 |
| 1" | 30,00 | 39,50 | 0,143 | ● 24191 |
| 1 1/4" | 35,50 | 46,50 | 0,191 | ● 24192 |
| 1 1/2" | 38,50 | 49,50 | 0,283 | ● 24193 |
| 2" | 48,00 | 60,50 | 0,412 | ● 24194 |
| 2 1/2" | 62,50 | 87,00 | 0,900 | ● 24195 |
| 3" | 79,30 | 107,00 | 1,710 | ● 24196 |



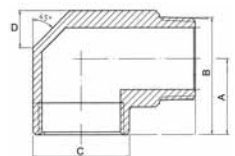
Winkel 90° - 404

ähnl. DIN EN 10241 (DIN 2987), Innen-/Außengewinde,
Rp-DIN EN 10226-1 / ISO 7-1

Elbow 90° - 404,

similar to DIN EN 10241 (DIN 2987), female/male thread,
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | C mm | D mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|-------|-------|------------|----------------------------|
| | | | | | | Artikel-Nr. Article-No. |
| 1/4" | 21,00 | 30,00 | 18,00 | 4,00 | 0,083 | ● 35179 |
| 3/8" | 24,50 | 35,00 | 21,00 | 5,00 | 0,125 | ● 35185 |
| 1/2" | 28,00 | 41,00 | 27,00 | 6,00 | 0,219 | ● 35178 |
| 3/4" | 33,00 | 50,00 | 34,00 | 10,00 | 0,433 | ● 35184 |
| 1" | 38,00 | 58,00 | 40,00 | 19,00 | 0,679 | ● 35182 |
| 1 1/4" | 45,00 | 70,00 | 50,00 | 20,00 | 1,015 | ● 35181 |
| 1 1/2" | 50,00 | 78,50 | 57,00 | 22,00 | 1,694 | ● 35180 |
| 2" | 55,00 | 90,00 | 70,00 | 27,00 | 2,550 | ● 35183 |



Kreuzstück - 302

ähnl. EN 10241 / ISO 4144 (DIN 2987), allseits Innengewinde,

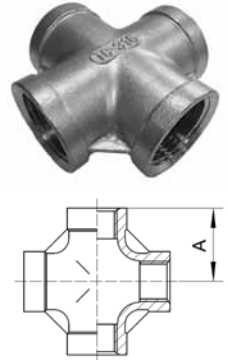
Rp-DIN EN 10226-1 / ISO 7-1

Cross piece - 302

similar to EN 10241 / ISO 4144 (DIN 2987), female thread on all sides,

Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | Kg/Stk/pc | AISI 316 | Artikel-Nr. Article-No. |
|-----------|-------|-----------|----------|----------------------------|
| 1/4" | 17,00 | 0,085 | ● 35026 | |
| 3/8" | 18,80 | 0,150 | ● 35032 | |
| 1/2" | 22,80 | 0,191 | ● 35025 | |
| 3/4" | 27,00 | 0,342 | ● 35031 | |
| 1" | 31,60 | 0,528 | ● 35029 | |
| 1 1/4" | 36,50 | 0,802 | ● 35028 | |
| 1 1/2" | 42,70 | 1,050 | ● 35027 | |
| 2" | 47,60 | 1,150 | ● 35030 | |



Bogen 90° - 305

ähnl. EN 10241 / ISO 4144 (DIN 2986), beidseitig Außengewinde

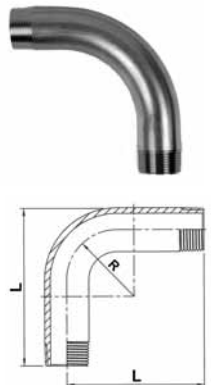
R-DIN EN 10226-1 / ISO 7-1

Elbow 90° - 305

similar to EN 10241 / ISO 4144 (DIN 2986), male thread on both sides,

R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | L mm | R mm | Kg/Stk/pc | AISI 316 | Artikel-Nr. Article-No. |
|-----------|--------|--------|-----------|----------|----------------------------|
| 1/4" | 60,00 | 40,00 | 0,068 | ● 35043 | |
| 3/8" | 70,00 | 45,00 | 0,100 | ● 35049 | |
| 1/2" | 80,00 | 55,00 | 0,154 | ● 35042 | |
| 3/4" | 100,00 | 70,00 | 0,245 | ● 35048 | |
| 1" | 120,00 | 80,00 | 0,454 | ● 35046 | |
| 1 1/4" | 140,00 | 105,00 | 0,724 | ● 35045 | |
| 1 1/2" | 160,00 | 115,00 | 0,912 | ● 35044 | |
| 2" | 190,00 | 125,00 | 1,650 | ● 35047 | |



T-Stück - 307

ähnl. EN 10241 / ISO 4144 (DIN 2987), allseits Innengewinde,

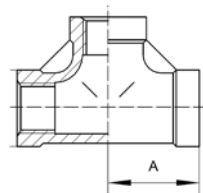
Rp-DIN EN 10226-1 / ISO 7-1

T-pcs - 307

similar to EN 10241 / ISO 4144 (DIN 2987), female thread on all sides,

Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | Kg/Paar/pc | AISI 316 |
|-----------|-------|------------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 1/8" | 14,00 | 0,026 | ● 10280 |
| 1/4" | 18,50 | 0,041 | ● 10281 |
| 3/8" | 20,80 | 0,059 | ● 10282 |
| 1/2" | 25,00 | 0,073 | ● 10283 |
| 3/4" | 27,50 | 0,108 | ● 10284 |
| 1" | 33,00 | 0,168 | ● 10285 |
| 1 1/4" | 39,50 | 0,260 | ● 10286 |
| 1 1/2" | 43,00 | 0,347 | ● 10287 |
| 2" | 52,00 | 0,528 | ● 10288 |
| 2 1/2" | 61,00 | 0,878 | ● 10289 |
| 3" | 70,50 | 1,198 | ● 10290 |



T-Stück - 407

ähnl. DIN EN 10241 (DIN 2987), allseits Innengewinde,

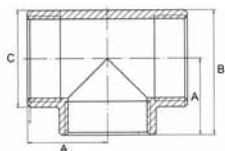
Rp-DIN EN 10226-1 / ISO 7-1

T-pcs - 407

similar to DIN EN 10241 (DIN 2987), female thread on all sides,

Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | C mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|-------|------------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| 1/4" | 21,00 | 30,00 | 18,00 | 0,082 | ● 35187 |
| 3/8" | 24,50 | 35,00 | 21,00 | 0,116 | ● 35193 |
| 1/2" | 28,00 | 41,00 | 27,00 | 0,216 | ● 35186 |
| 3/4" | 33,00 | 50,00 | 34,00 | 0,397 | ● 35192 |
| 1" | 38,00 | 58,00 | 40,00 | 0,561 | ● 35190 |
| 1 1/4" | 45,00 | 70,00 | 50,00 | 0,979 | ● 35189 |
| 1 1/2" | 50,00 | 78,50 | 57,00 | 1,406 | ● 35188 |
| 2" | 55,00 | 90,00 | 70,00 | 2,250 | ● 35191 |



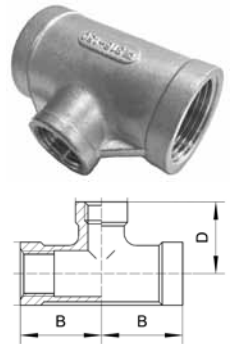
Reduzier T-Stück - 307R

ähnl. EN 10241 / ISO 4144 (DIN 2987), allseits Innengewinde,
Rp-DIN EN 10226-1 / ISO 7-1

T-pcs reduced - 307R

similar to EN 10241 / ISO 4144 (DIN 2987), female thread on all sides,
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | B mm | D mm | Kg/Paar/pc | AISI 316 | Artikel-Nr. Article-No. |
|-----------------|-------|-------|------------|----------|----------------------------|
| 1/4" x 1/8" | 17,20 | 15,30 | 0,084 | ● 35051 | |
| 3/8" x 1/4" | 19,10 | 20,20 | 0,096 | ● 35060 | |
| 1/2" x 3/8" | 20,50 | 21,90 | 0,152 | ● 35050 | |
| 3/4" x 3/8" | 21,50 | 24,60 | 0,157 | ● 35059 | |
| 3/4" x 1/2" | 24,00 | 27,70 | 0,146 | ● 35058 | |
| 1" x 1/2" | 26,00 | 31,10 | 0,267 | ● 35055 | |
| 1" x 3/4" | 29,00 | 32,10 | 0,404 | ● 35056 | |
| 1 1/4" x 1/2" | 28,50 | 34,50 | 0,632 | ● 35053 | |
| 1 1/4" x 1" | 34,50 | 39,00 | 0,504 | ● 35054 | |
| 1 1/2" x 1 1/4" | 39,50 | 44,40 | 0,588 | ● 35052 | |
| 2" x 1 1/2" | 46,50 | 50,30 | 1,050 | ● 35057 | |



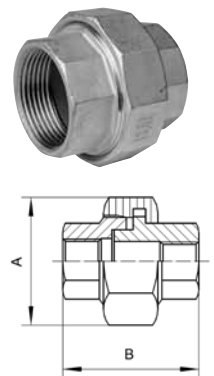
Verschraubung - 311 I/I

ähnl. DIN EN 10241 / ISO 4144 (DIN 2993), flach dichtend,
beidseitig Innengewinde, Rp-DIN EN 10226-1 / ISO 7-1

Union - 311 f/f

similar to DIN EN 10241 / ISO 4144 (DIN 2993), flat sealing,
female thread on both sides, Rp-DIN EN 10226-1 / ISO 7-1

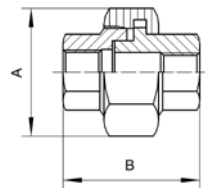
| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 | Artikel-Nr. Article-No. |
|-----------|--------|-------|------------|----------|----------------------------|
| 1/8" | 26,00 | 30,00 | 0,043 | ● 35069 | |
| 1/4" | 29,00 | 33,50 | 0,080 | ● 29983 | |
| 3/8" | 34,00 | 36,50 | 0,110 | ● 29950 | |
| 1/2" | 37,00 | 39,50 | 0,150 | ● 29951 | |
| 3/4" | 44,00 | 42,50 | 0,200 | ● 29952 | |
| 1" | 52,50 | 49,00 | 0,290 | ● 29953 | |
| 1 1/4" | 63,00 | 54,00 | 0,420 | ● 29954 | |
| 1 1/2" | 70,00 | 58,00 | 0,520 | ● 29955 | |
| 2" | 84,00 | 65,00 | 0,795 | ● 29967 | |
| 2 1/2" | 101,50 | 75,00 | 1,295 | ● 29988 | |
| 3" | 118,00 | 83,00 | 1,880 | ● 29971 | |



Verschraubung - 411

ähnl. DIN EN 10241 / Chemienorm, flach dichtend,
beidseits Innengewinde, Rp-DIN EN 10226-1 / ISO 7-1
Union - 411
similar to DIN EN 10241 / chemical norm, flat sealing,
female thread on both sides, Rp-DIN EN 10226-1 / ISO 7-1

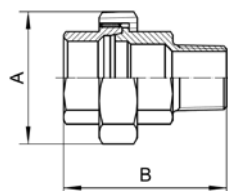
| Abm./Dim. | A mm | B mm | ÜWM | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|--------|------------|---------------------------|
| | | | | | Artikel-Nr. Article-No |
| 1/4" | 27,00 | 40,00 | 5/8" | 0,081 | ● 35337 |
| 3/8" | 32,00 | 46,00 | 3/4" | 0,106 | ● 35343 |
| 1/2" | 41,00 | 51,00 | 1" | 0,195 | ● 35336 |
| 3/4" | 50,00 | 57,00 | 1 1/4" | 0,348 | ● 35342 |
| 1" | 55,00 | 64,00 | 1 1/2" | 0,410 | ● 35340 |
| 1 1/4" | 70,00 | 70,00 | 2" | 0,631 | ● 35339 |
| 1 1/2" | 75,00 | 19,00 | 2 1/4" | 0,852 | ● 35338 |
| 2" | 90,00 | 89,00 | 2 3/4" | 1,400 | ● 35341 |



Verschraubung - 311 I/A

ähnl. DIN EN 10241 / ISO 4144 (DIN 2993), flach dichtend,
Innen-/Außen-Gewinde, Rp/R-DIN EN 10226-1 / ISO 7-1
Union - 311 f/m
similar to DIN EN 10241 / ISO 4144 (DIN2993), flat sealing,
female/male thread, Rp/R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|--------|--------|------------|---------------------------|
| | | | | Artikel-Nr. Article-No |
| 1/4" | 29,00 | 44,00 | 0,090 | ● 29975 |
| 3/8" | 34,00 | 42,50 | 0,127 | ● 29976 |
| 1/2" | 37,00 | 54,00 | 0,180 | ● 29977 |
| 3/4" | 44,00 | 58,00 | 0,220 | ● 29978 |
| 1" | 52,50 | 68,00 | 0,340 | ● 29979 |
| 1 1/4" | 63,00 | 74,50 | 0,480 | ● 29980 |
| 1 1/2" | 70,00 | 78,50 | 0,590 | ● 29981 |
| 2" | 84,00 | 90,00 | 1,020 | ● 29982 |
| 3" | 118,00 | 113,00 | 2,010 | ● 29969 |



Verschraubung - 411 I/A

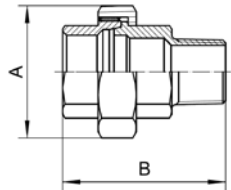
ähnl. DIN EN 10241, flach dichtend, Innen-/Außengewinde,
Rp/R-DIN EN 10226-1 / ISO 7-1

Union - 411 f/m

similar to DIN EN 10241, flat sealing, female/male thread,
Rp/R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | ÜWM | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|--------|------------|-----------|
| 1/4" | 27,00 | 40,00 | 5/8" | 0,097 | ● 35353 |
| 3/8" | 32,00 | 46,00 | 3/4" | 0,140 | ● 35359 |
| 1/2" | 41,00 | 54,00 | 1" | 0,265 | ● 35352 |
| 3/4" | 50,00 | 60,00 | 1 1/4" | 0,410 | ● 35358 |
| 1" | 55,00 | 66,00 | 1 1/2" | 0,544 | ● 35356 |
| 1 1/4" | 70,00 | 72,00 | 2" | 0,924 | ● 35355 |
| 1 1/2" | 75,00 | 81,00 | 2 1/4" | 1,200 | ● 35354 |
| 2" | 90,00 | 91,00 | 2 3/4" | 1,650 | ● 35357 |

Artikel-Nr.
Article-No



Verschraubung - 411 A/A

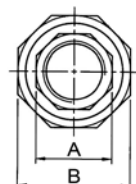
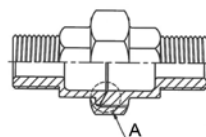
ähnl. DIN EN 10241, flach dichtend, Außen-/Außengewinde,
R-DIN EN 10226-1 / ISO 7-1

Union - 411 m/m

similar to EN 10241, flat sealing, male/male thread,
R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | ÜWM | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|--------|------------|-----------|
| 3/8" | 27,00 | 46,00 | 5/8" | 0,125 | ● 34556 |
| 1/2" | 32,00 | 54,00 | 3/4" | 0,230 | ● 34557 |
| 3/4" | 41,00 | 60,00 | 1" | 0,350 | ● 34558 |
| 1" | 50,00 | 66,00 | 1 1/4" | 0,544 | ● 33603 |

Artikel-Nr.
Article-No



Verschraubung - 311 S

ähnl. DIN EN 10241 / ISO 4144,

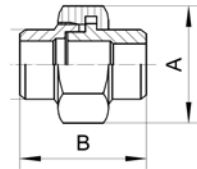
flach dichtend, Schweißenden

Union - 311 S

similar to DIN EN 10241 / ISO 4144,

flat sealing, weld-on ends

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|--------|--------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 29,10 | 37,20 | 0,078 | ● 29932 |
| 3/8" | 34,00 | 38,80 | 0,112 | ● 29960 |
| 1/2" | 37,50 | 41,20 | 0,147 | ● 29986 |
| 3/4" | 44,50 | 49,60 | 0,210 | ● 29985 |
| 1" | 53,50 | 51,20 | 0,306 | ● 29957 |
| 1 1/4" | 64,00 | 55,00 | 0,400 | ● 29942 |
| 1 1/2" | 71,50 | 58,60 | 0,500 | ● 29987 |
| 2" | 85,50 | 59,60 | 0,885 | ● 29972 |
| 2 1/2" | 108,50 | 91,20 | 1,355 | ● 29933 |
| 3" | 123,30 | 104,30 | 1,965 | ● 29958 |



Verschraubung - 411 CHS

ähnl. EN 10241 / Chemienorm,

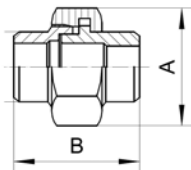
flach dichtend, Schweißenden

Union - 411 CHS

similar to EN 10241 / chemical norm,

flat sealing, weld-on ends

| Abm./Dim. | A mm | B mm | ØD mm | ÜWM | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|-------|--------|------------|----------------------------|
| | | | | | | Artikel-Nr. Article-No. |
| 1/4" | 27,00 | 40,00 | 13,50 | 1/2" | 0,059 | ● 35345 |
| 3/8" | 27,00 | 46,00 | 18,00 | 4/8" | 0,082 | ● 35351 |
| 1/2" | 32,00 | 54,00 | 21,50 | 3/4" | 0,119 | ● 35344 |
| 3/4" | 41,00 | 60,00 | 27,00 | 1" | 0,213 | ● 35350 |
| 1" | 50,00 | 66,00 | 34,00 | 1 1/4" | 0,342 | ● 35348 |
| 1 1/4" | 55,00 | 72,00 | 42,40 | 1 1/2" | 0,517 | ● 35347 |
| 1 1/2" | 70,00 | 81,00 | 48,50 | 2" | 0,692 | ● 35346 |
| 2" | 75,00 | 91,00 | 60,50 | M70x2 | 0,872 | ● 35349 |



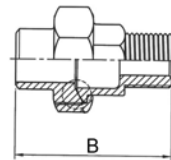
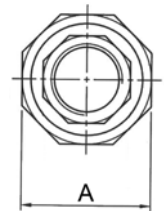
Verschraubung - 311 S/A

ähnl. DIN EN 10241 / ISO 4144, flach dichtend, Schweißende,
Außengewinde, R-DIN EN 10226-1 / ISO 7-1

Union - 311 S/A

similar to DIN EN 10241 / ISO 4144, flat sealing, weld-on end,
male thread, R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|-------|-------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 46,40 | 17,20 | 0,093 | ● 35071 |
| 3/8" | 47,70 | 20,30 | 0,180 | ● 35077 |
| 1/2" | 53,00 | 26,00 | 0,229 | ● 35070 |
| 3/4" | 60,00 | 30,60 | 0,266 | ● 35076 |
| 1" | 66,00 | 38,00 | 0,478 | ● 35074 |
| 1 1/4" | 72,00 | 47,30 | 0,712 | ● 35073 |
| 1 1/2" | 73,00 | 53,00 | 1,010 | ● 35072 |
| 2" | 77,60 | 66,00 | 1,250 | ● 35075 |



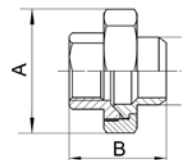
Verschraubung - 311 S/I

ähnl. DIN EN 10241 / ISO 4144, flach dichtend, Schweißende,
Innengewinde, Rp-DIN EN 10226-1 / ISO 7-1

Union - 311 S/I

similar to DIN EN 10241 / ISO 4144, flat sealing, weld-on end,
female thread, Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|-------|-------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 35,00 | 28,00 | 0,084 | ● 35079 |
| 3/8" | 38,00 | 34,00 | 0,187 | ● 35085 |
| 1/2" | 40,00 | 39,20 | 0,203 | ● 35078 |
| 3/4" | 45,70 | 46,00 | 0,263 | ● 35084 |
| 1" | 50,00 | 55,00 | 0,356 | ● 35082 |
| 1 1/4" | 56,00 | 63,50 | 0,596 | ● 35081 |
| 1 1/2" | 57,00 | 71,00 | 0,722 | ● 35080 |
| 2" | 58,60 | 85,00 | 1,050 | ● 35083 |



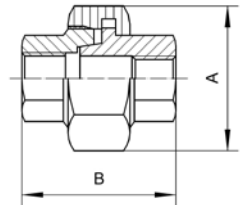
Verschraubung - 312 I/I

ähnl. DIN EN 10241 / ISO 4144 (DIN 2993), konisch dichtend,
Innen/Innen-Gewinde, Rp-DIN EN 10226-1 / ISO 7-1

Union - 312 f/f

similar to DIN EN 10241 / ISO 4144 (DIN2993), conical sealing,
female/female thread, Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|--------|-------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 26,00 | 30,00 | 0,043 | ● 35086 |
| 1/4" | 29,00 | 33,50 | 0,060 | ● 24217 |
| 3/8" | 34,00 | 36,50 | 0,078 | ● 24218 |
| 1/2" | 37,00 | 39,50 | 0,114 | ● 24219 |
| 3/4" | 44,00 | 42,50 | 0,143 | ● 24220 |
| 1" | 52,50 | 50,00 | 0,219 | ● 24221 |
| 1 1/4" | 63,00 | 54,00 | 0,293 | ● 24222 |
| 1 1/2" | 70,00 | 58,00 | 0,383 | ● 24223 |
| 2" | 84,00 | 65,00 | 0,492 | ● 24224 |
| 2 1/2" | 101,50 | 75,00 | 0,870 | ● 24225 |
| 3" | 118,00 | 83,00 | 1,390 | ● 24226 |



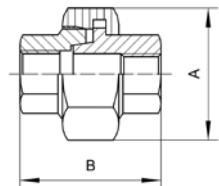
Verschraubung - 412

ähnl. EN 10241, konisch dichtend, beidseits Innengewinde,
Rp-DIN EN 10226-1 / ISO 7-1

Union - 412

similar to EN 10241, conical sealing, female thread on both sides,
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | ÜWM | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|--------|------------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| 1/4" | 27,00 | 40,00 | 5/8" | 0,081 | ● 35361 |
| 3/8" | 32,00 | 46,00 | 3/4" | 0,118 | ● 35367 |
| 1/2" | 41,00 | 54,00 | 1" | 0,223 | ● 35360 |
| 3/4" | 50,00 | 50,00 | 1 1/4" | 0,344 | ● 35366 |
| 1" | 55,00 | 66,00 | 1 1/2" | 0,456 | ● 35364 |
| 1 1/4" | 70,00 | 72,00 | 2" | 0,796 | ● 35363 |
| 1 1/2" | 75,00 | 81,00 | 2 1/4" | 0,954 | ● 35362 |
| 2" | 90,00 | 91,00 | 2 3/4" | 1,400 | ● 35365 |



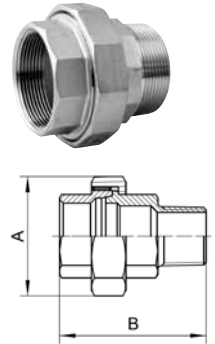
Verschraubung - 312 I/A

ähnl. DIN EN 10241 / ISO 4144 (DIN 2993), konisch dichtend,
Innen-/Außen-Gewinde, Rp/R-DIN EN 10226-1 / ISO 7-1

Union - 312 f/m

similar to DIN EN 10241 / ISO 4144 (DIN 2993), conical sealing,
female/male thread, Rp/R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 | Artikel-Nr. Article-No. |
|-----------|--------|--------|------------|----------|----------------------------|
| 1/8" | 26,00 | 38,00 | 0,114 | ● | 35087 |
| 1/4" | 29,00 | 44,00 | 0,065 | ● | 24247 |
| 3/8" | 34,00 | 42,50 | 0,083 | ● | 24248 |
| 1/2" | 37,00 | 54,00 | 0,129 | ● | 24249 |
| 3/4" | 44,00 | 58,00 | 0,162 | ● | 24250 |
| 1" | 52,50 | 68,00 | 0,244 | ● | 24251 |
| 1 1/4" | 63,00 | 74,50 | 0,330 | ● | 24252 |
| 1 1/2" | 70,00 | 78,50 | 0,436 | ● | 24253 |
| 2" | 84,00 | 90,00 | 0,571 | ● | 24254 |
| 2 1/2" | 101,50 | 102,00 | 0,992 | ● | 24255 |
| 3" | 118,00 | 113,00 | 1,556 | ● | 24256 |



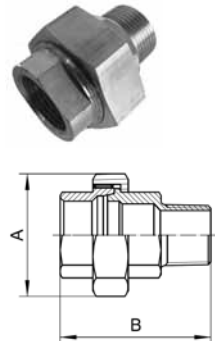
Verschraubung - 412 I/A

ähnl. EN 10241, konisch dichtend, Innen-/Außengewinde,
Rp/R-DIN EN 10226-1 / ISO 7-1

Union - 412 f/m

similar to EN 10241, conical sealing, female/male thread,
Rp/R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | ÜWM | Kg/Stk./pc | EN 1.4571 | Artikel-Nr. Article-No. |
|-----------|-------|-------|--------|------------|-----------|----------------------------|
| 1/4" | 27,00 | 40,00 | 5/8" | 0,097 | ● | 35376 |
| 3/8" | 32,00 | 46,00 | 3/4" | 0,144 | ● | 35382 |
| 1/2" | 41,00 | 54,00 | 1" | 0,275 | ● | 35375 |
| 3/4" | 50,00 | 60,00 | 1 1/4" | 0,410 | ● | 35381 |
| 1" | 55,00 | 66,00 | 1 1/2" | 0,564 | ● | 35379 |
| 1 1/4" | 70,00 | 72,00 | 2" | 0,924 | ● | 35378 |
| 1 1/2" | 75,00 | 81,00 | 2 1/4" | 1,250 | ● | 35377 |
| 2" | 90,00 | 91,00 | 2 3/4" | 1,800 | ● | 35380 |



Verschraubung - 412 A/A

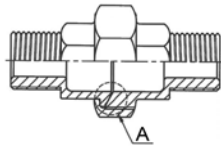
ähnl. EN 10241, konisch dichtend, Außen-/Außengewinde,
R-DIN EN 10226-1 / ISO 7-1

Union - 412 m/m

similar to EN 10241, conical sealing, male/male thread,
R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | ÜWM | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|-------|--------|------------|-----------|
| 3/8" | 27,00 | 46,00 | 5/8" | 0,125 | ● 34559 |
| 1/2" | 32,00 | 54,00 | 3/4" | 0,280 | ● 35368 |
| 3/4" | 41,00 | 60,00 | 1" | 0,350 | ● 34560 |
| 1" | 50,00 | 66,00 | 1 1/4" | 0,480 | ● 34561 |
| 1 1/2" | 55,00 | 72,00 | 2" | 0,900 | ● 34562 |

Artikel-Nr.
Article-No



Verschraubung - 312 S

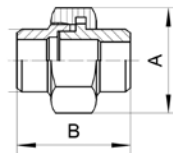
ähnl. DIN EN 10241 / ISO 4144, konisch dichtend,
Schweißenden

Union - 312 S

similar to DIN EN 10241 / ISO 4144, conical sealing,
weld-on ends

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|--------|--------|------------|----------|
| 1/4" | 29,10 | 46,00 | 0,078 | ● 29956 |
| 3/8" | 34,00 | 47,50 | 0,105 | ● 24281 |
| 1/2" | 37,50 | 53,60 | 0,142 | ● 24282 |
| 3/4" | 44,50 | 58,30 | 0,205 | ● 24283 |
| 1" | 53,50 | 69,00 | 0,312 | ● 24284 |
| 1 1/4" | 64,00 | 71,10 | 0,420 | ● 24285 |
| 1 1/2" | 71,50 | 80,00 | 0,540 | ● 24286 |
| 2" | 85,50 | 88,20 | 0,743 | ● 24287 |
| 2 1/2" | 108,50 | 101,00 | 1,325 | ● 24288 |
| 3" | 123,30 | 108,00 | 1,965 | ● 29959 |

Artikel-Nr.
Article-No.



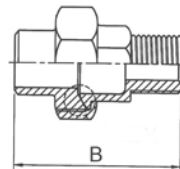
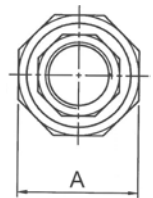
Verschraubung - 312 S/A

ähnl. DIN EN 10241 / ISO 4144, konisch dichtend, Schweißenden,
Außengewinde, R-DIN EN 10226-1/ISO 7-1

Union - 312 S/A

similar to DIN EN 10241 / ISO 4144, conical sealing, weld-on ends,
male thread, R-DIN EN 10226-1/ISO7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|-------|-------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 46,40 | 17,20 | 0,108 | ● 35090 |
| 3/8" | 47,70 | 20,30 | 0,144 | ● 35095 |
| 1/2" | 53,00 | 26,00 | 0,190 | ● 35089 |
| 3/4" | 60,00 | 30,60 | 0,281 | ● 35094 |
| 1" | 66,00 | 38,00 | 0,432 | ● 35088 |
| 1 1/4" | 72,00 | 47,30 | 0,862 | ● 35092 |
| 1 1/2" | 73,00 | 53,00 | 0,868 | ● 35091 |
| 2" | 77,60 | 66,00 | 1,300 | ● 35093 |



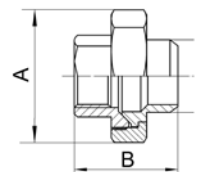
Verschraubung - 312 S/I

ähnl. DIN EN 10241 / ISO 4144, konisch dichtend, Schweißende,
Innengewinde, Rp-DIN EN 10226-1 / ISO 7-1

Union - 312 S/I

similar to DIN EN 10241 / ISO 4144, conical sealing, weld-on end,
female thread, Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|-------|-------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 35,00 | 28,00 | 0,093 | ● 35097 |
| 3/8" | 38,00 | 34,00 | 0,142 | ● 35103 |
| 1/2" | 40,00 | 39,20 | 0,200 | ● 35096 |
| 3/4" | 45,70 | 46,00 | 0,273 | ● 35102 |
| 1" | 50,00 | 55,00 | 0,390 | ● 35100 |
| 1 1/4" | 56,00 | 63,50 | 0,606 | ● 35099 |
| 1 1/2" | 57,00 | 71,00 | 0,722 | ● 35098 |
| 2" | 58,60 | 85,00 | 1,100 | ● 35101 |



Verschraubung - 412 S

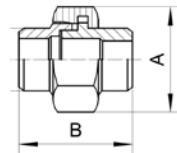
ähnl. DIN EN 10241, konisch dichtend,
Schweißenden

Union - 412 S

similar to DIN EN 10241, conical sealing,
weld-on ends

| Abm./Dim. | A mm | B mm | ØD mm | ÜWM | Kg/Stk./pc | EN 1.4571 |
|-----------|------|------|-------|-----|------------|-----------|
|-----------|------|------|-------|-----|------------|-----------|

| | | | | | | Artikel-Nr. Article-No |
|--------|-------|-------|-------|--------|-------|---------------------------|
| 1/4" | 27,00 | 40,00 | 13,50 | 1/2" | 0,076 | ● 35384 |
| 3/8" | 27,00 | 46,00 | 18,00 | 5/8" | 0,074 | ● 35391 |
| 1/2" | 32,00 | 54,00 | 21,50 | 3/4" | 0,109 | ● 35383 |
| 3/4" | 41,00 | 60,00 | 27,00 | 1" | 0,198 | ● 35390 |
| 1" | 50,00 | 66,00 | 34,00 | 1 1/4" | 0,296 | ● 35388 |
| 1 1/4" | 55,00 | 72,00 | 42,40 | 1 1/2" | 0,472 | ● 35387 |
| 1 1/2" | 70,00 | 81,00 | 48,50 | 2" | 0,702 | ● 35386 |
| 2" | 75,00 | 91,00 | 60,50 | M70x2 | 1,100 | ● 35389 |



Verschraubung - 412 CHS

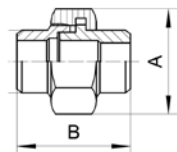
ähnl. EN 10241 / Chemienorm,
konisch dichtend, Schweißenden

Union - 412 CHS

similar to EN 10241 / Chemical norm,
conical sealing, weld-on ends

| Abm./Dim. | A mm | B mm | ØD mm | ÜWM | Kg/Stk./pc | EN 1.4571 |
|-----------|------|------|-------|-----|------------|-----------|
|-----------|------|------|-------|-----|------------|-----------|

| | | | | | | Artikel-Nr. Article-No |
|--------|-------|-------|-------|--------|-------|---------------------------|
| 3/8" | 27,00 | 46,00 | 18,00 | 5/8" | 0,074 | ● 35374 |
| 1/2" | 32,00 | 54,00 | 21,50 | 3/4" | 0,109 | ● 35369 |
| 3/4" | 41,00 | 60,00 | 27,00 | 1" | 0,198 | ● 35373 |
| 1" | 50,00 | 66,00 | 34,00 | 1 1/4" | 0,296 | ● 35371 |
| 1 1/2" | 70,00 | 81,00 | 48,50 | 2" | 0,702 | ● 35370 |
| 2" | 75,00 | 91,00 | 60,50 | M70x2 | 1,100 | ● 35372 |



Sechskant-Reduzierstück - 325

ähnl. DIN EN 10241 / ISO 4144 (DIN 2990),

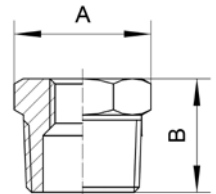
Außen-/Innengewinde, R/Rp-DIN EN 10226-1 / ISO 7-1

Hexagon reducer - 325

similar to DIN EN 10241 / ISO 4144 (DIN 2990),

male/female thread, R/Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | AISI 316 Artikel-Nr. Article-No. |
|-----------------|--------|-------|-----------|--|
| 1/4" x 1/8" | 14,50 | 14,60 | 0,012 | ● 24066 |
| 3/8" x 1/8" | 18,00 | 16,00 | 0,020 | ● 24067 |
| 3/8" x 1/4" | 18,00 | 16,00 | 0,015 | ● 24068 |
| 1/2" x 1/8" | 21,40 | 19,50 | 0,040 | ● 35104 |
| 1/2" x 1/4" | 21,40 | 19,50 | 0,029 | ● 24069 |
| 1/2" x 3/8" | 21,40 | 19,50 | 0,028 | ● 24070 |
| 3/4" x 1/4" | 27,00 | 21,00 | 0,052 | ● 24071 |
| 3/4" x 3/8" | 27,00 | 21,00 | 0,048 | ● 24072 |
| 3/4" x 1/2" | 27,00 | 21,00 | 0,038 | ● 24073 |
| 1" x 1/4" | 33,90 | 24,00 | 0,130 | ● 35105 |
| 1" x 3/8" | 33,90 | 24,00 | 0,088 | ● 24074 |
| 1" x 1/2" | 33,90 | 24,00 | 0,080 | ● 24075 |
| 1" x 3/4" | 33,90 | 24,00 | 0,069 | ● 24076 |
| 1 1/4" x 1/2" | 42,70 | 27,00 | 0,149 | ● 24077 |
| 1 1/4" x 3/4" | 42,70 | 27,00 | 0,134 | ● 24085 |
| 1 1/4" x 1" | 42,70 | 27,00 | 0,107 | ● 24078 |
| 1 1/2" x 1/2" | 48,60 | 27,00 | 0,194 | ● 24086 |
| 1 1/2" x 3/4" | 48,60 | 27,00 | 0,185 | ● 24087 |
| 1 1/2" x 1" | 48,60 | 27,00 | 0,157 | ● 24079 |
| 1 1/2" x 1 1/4" | 48,60 | 27,00 | 0,132 | ● 24080 |
| 2" x 1/2" | 60,50 | 31,00 | 0,406 | ● 35109 |
| 2" x 3/4" | 60,50 | 31,00 | 0,400 | ● 35110 |
| 2" x 1" | 60,50 | 31,00 | 0,307 | ● 24081 |
| 2" x 1 1/4" | 60,50 | 31,00 | 0,278 | ● 24088 |
| 2" x 1 1/2" | 60,50 | 31,00 | 0,230 | ● 24082 |
| 2 1/2" x 1" | 78,00 | 34,00 | 0,884 | ● 35108 |
| 2 1/2" x 1 1/4" | 78,00 | 34,00 | 0,830 | ● 35107 |
| 2 1/2" x 1 1/2" | 78,00 | 34,00 | 0,748 | ● 35106 |
| 2 1/2" x 2" | 78,00 | 34,00 | 0,378 | ● 24083 |
| 3" x 2" | 91,00 | 37,50 | 0,780 | ● 29962 |
| 3" x 2 1/2" | 91,00 | 37,50 | 0,728 | ● 35111 |
| 4" x 3" | 116,00 | 44,00 | 1,260 | ● 29970 |



Sechskant-Reduzierstück - 425

ähnl. DIN EN 10241, Außen-/Innengewinde,

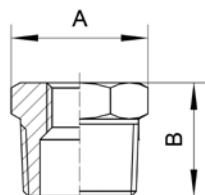
R/Rp-DIN EN 10226-1 / ISO 7-1

Hexagon reducer - 425

similar to DIN EN 10241, male/female thread,

R/Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk./pc | EN 1.4541 | 1.4571 |
|-----------------|-------|-------|------------|---------------------------|---------------------------|
| | | | | Artikel-Nr. Article-No | Artikel-Nr. Article-No |
| 1/4" x 1/8" | 14,00 | 15,00 | 0,008 | ● 761117 | ● 35397 |
| 3/8" x 1/8" | 19,00 | 17,00 | 0,023 | | ● 35416 |
| 3/8" x 1/4" | 19,00 | 17,00 | 0,014 | ● 761118 | ● 35415 |
| 1/2" x 1/8" | 22,00 | 20,00 | 0,028 | | ● 35394 |
| 1/2" x 1/4" | 22,00 | 20,00 | 0,035 | ● 761119 | ● 35393 |
| 1/2" x 3/8" | 22,00 | 20,00 | 0,022 | | ● 35395 |
| 3/4" x 1/4" | 27,00 | 24,00 | 0,059 | | ● 35412 |
| 3/4" x 3/8" | 27,00 | 24,00 | 0,073 | | ● 35413 |
| 3/4" x 1/2" | 27,00 | 24,00 | 0,052 | | ● 35411 |
| 1" x 3/8" | 36,00 | 27,00 | 0,146 | | ● 35407 |
| 1" x 1/2" | 36,00 | 27,00 | 0,119 | | ● 35405 |
| 1" x 3/4" | 36,00 | 27,00 | 0,080 | | ● 35406 |
| 1 1/4" x 1/2" | 46,00 | 31,00 | 0,207 | | ● 35402 |
| 1 1/4" x 3/4" | 46,00 | 31,00 | 0,234 | | ● 35404 |
| 1 1/4" x 1" | 46,00 | 31,00 | 0,160 | | ● 35403 |
| 1 1/2" x 1/2" | 50,00 | 33,00 | 0,402 | | ● 35398 |
| 1 1/2" x 3/4" | 50,00 | 33,00 | 0,350 | | ● 35401 |
| 1 1/2" x 1" | 50,00 | 33,00 | 0,273 | | ● 35400 |
| 1 1/2" x 1 1/4" | 50,00 | 33,00 | 0,143 | | ● 35399 |
| 2" x 1" | 65,00 | 38,00 | 0,662 | | ● 35410 |
| 2" x 1 1/4" | 65,00 | 38,00 | 0,514 | | ● 35409 |
| 2" x 1 1/2" | 65,00 | 38,00 | 0,396 | | ● 35408 |
| 3" x 2" | 90,00 | 48,00 | 1,050 | | ● 35417 |



Sechskant-Kappe - 326

ähnl. DIN EN 10241 / ISO 4144 (DIN 2991),

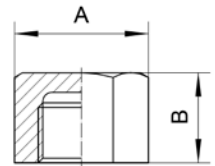
Rp-DIN EN 10226-1 / ISO 7-1

Hexagon cap - 326

similar to DIN EN 10241 / ISO 4144 (DIN 2991),

Rp-DIN EN 10266-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | AISI 316 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 12,50 | 11,80 | 0,015 | ● 24121 |
| 1/4" | 16,00 | 15,00 | 0,022 | ● 24122 |
| 3/8" | 19,50 | 15,40 | 0,030 | ● 24123 |
| 1/2" | 24,00 | 17,10 | 0,042 | ● 24124 |
| 3/4" | 29,50 | 18,50 | 0,055 | ● 24125 |
| 1" | 36,50 | 21,00 | 0,100 | ● 24126 |
| 1 1/4" | 45,50 | 23,70 | 0,156 | ● 24127 |
| 1 1/2" | 52,00 | 23,70 | 0,188 | ● 24128 |
| 2" | 64,00 | 27,50 | 0,290 | ● 24129 |
| 2 1/2" | 81,00 | 31,70 | 0,500 | ● 24130 |
| 3" | 94,50 | 35,10 | 0,680 | ● 24131 |



Sechskant-Kappe - 426

ähnl. DIN EN 10241,

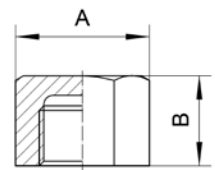
Rp-DIN EN 10226-1 / ISO 7-1

Hexagon cap - 426

similar to DIN EN 10241,

Rp-DIN EN 10226-1 / ISO 7-1

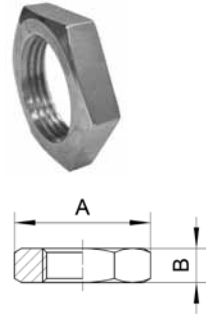
| Abm./Dim. | A mm | B mm | Kg/Stk/pc | EN 1.4571 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 14,00 | 13,00 | 0,016 | ● 35420 |
| 1/4" | 19,00 | 16,00 | 0,028 | ● 35419 |
| 3/8" | 22,00 | 17,00 | 0,035 | ● 35426 |
| 1/2" | 27,00 | 20,00 | 0,063 | ● 35418 |
| 3/4" | 32,00 | 22,00 | 0,085 | ● 35425 |
| 1" | 41,00 | 24,00 | 0,175 | ● 35423 |
| 1 1/4" | 50,00 | 27,00 | 0,332 | ● 35422 |
| 1 1/2" | 55,00 | 27,00 | 0,542 | ● 35421 |
| 2" | 70,00 | 32,00 | 0,650 | ● 35424 |



Sechskant-Mutter - 427
 ähnl. DIN EN 10241 (DIN 431),
 G-DIN ISO 228

Hexagon lock nut - 427
 similar to DIN EN 10241 (DIN 431),
 G-DIN ISO 228

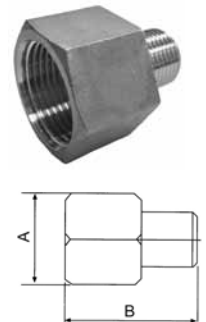
| Abm./Dim. | A mm | B mm | Kg/Stk/pc | EN 1.4571 | Artikel-Nr. Article-No. |
|-----------|-------|-------|-----------|-----------|----------------------------|
| 1/8" | 19,00 | 6,00 | 0,010 | | ● 35429 |
| 1/4" | 22,00 | 6,00 | 0,014 | | ● 35428 |
| 3/8" | 27,00 | 7,00 | 0,023 | | ● 35435 |
| 1/2" | 32,00 | 8,00 | 0,033 | | ● 35427 |
| 3/4" | 36,00 | 9,00 | 0,042 | | ● 35434 |
| 1" | 46,00 | 10,00 | 0,078 | | ● 35432 |
| 1 1/4" | 55,00 | 11,00 | 0,111 | | ● 35431 |
| 1 1/2" | 60,00 | 12,00 | 0,123 | | ● 35430 |
| 2" | 75,00 | 13,00 | 0,201 | | ● 35433 |



Sechskant-Reduziermuffe - 328
 ähnl. DIN EN 10241, Innen-/Außengewinde,
 Rp/R-DIN EN 10226-1 / ISO 7-1

Hexagon socket reduced - 328
 similar to DIN EN 10241, female/male thread,
 Rp/R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk./pc | EN 1.4571 | AISI 316 | Artikel-Nr. Article-No | Artikel-Nr. Article-No |
|-------------|-------|-------|------------|-----------|----------|---------------------------|---------------------------|
| 1/4" x 1/8" | 14,00 | 20,00 | 0,031 | | | ● 35115 | |
| 3/8" x 1/4" | 22,00 | 30,00 | 0,044 | | | | ● 35125 |
| 1/2" x 1/4" | 27,00 | 35,00 | 0,062 | | | ● 35112 | |
| 1/2" x 3/8" | 27,00 | 35,00 | 0,066 | | | ● 35113 | |
| 3/4" x 3/8" | 32,00 | 39,00 | 0,111 | | | | ● 35123 |
| 3/4" x 1/2" | 32,00 | 39,00 | 0,111 | | | ● 35121 | |
| 1" x 1/2" | 36,00 | 42,00 | 0,145 | | | ● 35117 | |
| 1" x 3/4" | 36,00 | 42,00 | 0,158 | | | ● 35119 | |



Vierkantstopfen - 329

ähnl. DIN EN 10241 / ISO 4144 (DIN 2991),

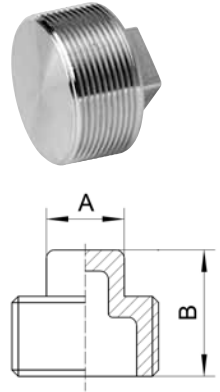
R-DIN EN 10226-1 / ISO 7-1

Plug squared - 329

similar to DIN EN 10241 / ISO 4144 (DIN 2991),

R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | AISI 316 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 9,00 | 19,00 | 0,015 | ● 24001 |
| 3/8" | 8,00 | 15,00 | 0,017 | ● 24002 |
| 1/2" | 10,00 | 18,50 | 0,028 | ● 24003 |
| 3/4" | 14,00 | 21,00 | 0,044 | ● 24004 |
| 1" | 17,00 | 24,00 | 0,075 | ● 24005 |
| 1 1/4" | 20,00 | 28,00 | 0,115 | ● 24006 |
| 1 1/2" | 23,00 | 28,00 | 0,130 | ● 24007 |
| 2" | 28,00 | 34,00 | 0,215 | ● 24008 |
| 2 1/2" | 36,00 | 38,50 | 0,344 | ● 24009 |
| 3" | 40,00 | 41,50 | 0,524 | ● 24010 |
| 4" | 52,00 | 51,50 | 0,790 | ● 29963 |



Vierkantstopfen - 429

ohne Rand, ähnl. DIN EN 10241,

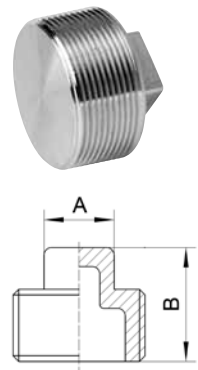
R-DIN EN 10226-1 / ISO 7-1

Plug squared - 429

without edges, similar to DIN EN 10241,

R-DIN EN 10226-1 / ISO 7-1

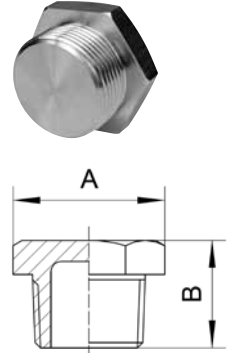
| Abm./Dim. | A mm | B mm | Kg/Stk/pc | EN 1.4571 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 7,00 | 14,00 | 0,010 | ● 35438 |
| 1/4" | 8,00 | 17,00 | 0,017 | ● 35437 |
| 3/8" | 10,00 | 18,00 | 0,030 | ● 35444 |
| 1/2" | 12,00 | 22,00 | 0,059 | ● 35436 |
| 3/4" | 14,00 | 26,00 | 0,084 | ● 35443 |
| 1" | 17,00 | 26,00 | 0,174 | ● 35441 |
| 1 1/4" | 19,00 | 34,00 | 0,285 | ● 35440 |
| 1 1/2" | 22,00 | 35,00 | 0,378 | ● 35439 |
| 2" | 24,00 | 38,00 | 0,662 | ● 35442 |



Sechskantstopfen - 330
 ähnl. DIN EN 10241 / ISO 4144,
 R-DIN EN 10226-1 / ISO 7-1

Hexagon plug - 330
 similar to DIN EN 10241 / ISO 4144,
 R-DIN EN 10226-1 / ISO 7-1

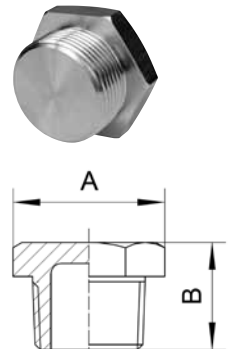
| Abm./Dim. | A mm | B mm | Kg/Stk/pc | AISI 316 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 12,00 | 12,00 | 0,012 | ● 24016 |
| 1/4" | 14,50 | 14,50 | 0,022 | ● 24017 |
| 3/8" | 18,00 | 16,00 | 0,022 | ● 24018 |
| 1/2" | 22,00 | 19,50 | 0,040 | ● 24019 |
| 3/4" | 28,00 | 22,00 | 0,056 | ● 24020 |
| 1" | 35,00 | 24,80 | 0,087 | ● 24021 |
| 1 1/4" | 44,00 | 28,80 | 0,140 | ● 24022 |
| 1 1/2" | 50,00 | 28,80 | 0,185 | ● 24023 |
| 2" | 62,00 | 33,50 | 0,280 | ● 24024 |
| 2 1/2" | 78,00 | 34,00 | 0,550 | ● 24025 |
| 3" | 91,00 | 37,50 | 1,350 | ● 24026 |



Sechskantstopfen - 430
 ähnl. DIN EN 10241,
 R-DIN EN 10226-1 / ISO 7-1

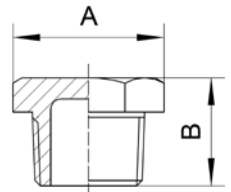
Hexagon plug - 430
 similar to DIN EN 10241,
 R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | EN 1.4571 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 12,00 | 13,00 | 0,010 | ● 35447 |
| 1/4" | 14,00 | 15,00 | 0,017 | ● 35446 |
| 3/8" | 19,00 | 17,00 | 0,033 | ● 35453 |
| 1/2" | 22,00 | 20,00 | 0,054 | ● 35445 |
| 3/4" | 27,00 | 24,00 | 0,102 | ● 35452 |
| 1" | 36,00 | 27,00 | 0,187 | ● 35450 |
| 1 1/4" | 46,00 | 31,00 | 0,358 | ● 35449 |
| 1 1/2" | 50,00 | 33,00 | 0,484 | ● 35448 |
| 2" | 65,00 | 38,00 | 0,902 | ● 35451 |



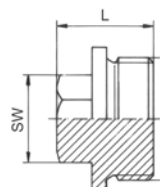
Sechskantstopfen - 430 Z
 ähnl. DIN EN 10241, mit zylindrischem Gewinde,
 G-DIN EN ISO 228-1
 Hexagon plug - 430 Z
 similar to DIN EN 10241, with cylindric thread,
 G-DIN EN ISO 228-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | EN 1.4571 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| G1/4" | SW 17 | 12,00 | 0,017 | ● 761120 |
| G1/2" | SW 27 | 22,00 | 0,540 | ● 761121 |



Verschlusschraube - 431
 DIN 910, mit zylindrischem Gewinde,
 G-DIN EN ISO 228-1
 Screw plug - 431
 DIN 910, with cylindrical thread,
 G-DIN EN ISO 228-1

| Abm./Dim. | SW mm | L mm | Kg/Stk/pc | EN 1.4571 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 10,00 | 17,00 | 0,012 | ● 35458 |
| 1/4" | 13,00 | 21,00 | 0,024 | ● 35457 |
| 3/8" | 17,00 | 21,00 | 0,038 | ● 35464 |
| 1/2" | 19,00 | 26,00 | 0,068 | ● 35456 |
| 3/4" | 24,00 | 30,00 | 0,123 | ● 35463 |
| 1" | 27,00 | 32,00 | 0,197 | ● 35461 |
| 1 1/4" | 30,00 | 33,00 | 0,298 | ● 35460 |
| 1 1/2" | 30,00 | 33,00 | 0,366 | ● 35459 |
| 2" | 36,00 | 40,00 | 0,674 | ● 35462 |



Ganze Muffe - 433

DIN EN 10241 (DIN 2986), mittelschwere Ausführung,

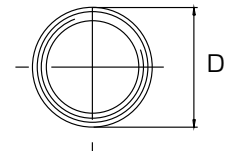
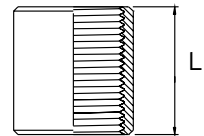
Rp-DIN EN 10226-1 / ISO 7-1

Socket - 433

DIN EN 10241 (DIN 2986), medium heavy type,

Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | D mm | L mm | Kg/Stk/pc | EN 1.4571 | AISI 316 |
|-----------|--------|-------|-----------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 1/8" | 15,00 | 17,00 | 0,011 | ● 35467 | |
| 1/4" | 18,50 | 25,00 | 0,021 | ● 35466 | |
| 3/8" | 21,30 | 26,00 | 0,035 | ● 35474 | |
| 1/2" | 26,60 | 34,00 | 0,062 | ● 35465 | |
| 3/4" | 31,80 | 36,00 | 0,080 | ● 35473 | |
| 1" | 39,50 | 43,00 | 0,144 | ● 35470 | |
| 1 1/4" | 48,30 | 48,00 | 0,202 | ● 35469 | |
| 1 1/2" | 54,50 | 48,00 | 0,237 | ● 35468 | |
| 2" | 66,20 | 56,00 | 0,348 | ● 35472 | |
| 2 1/2" | 82,00 | 65,00 | 0,552 | ● 35471 | |
| 3" | 95,00 | 71,00 | 0,772 | ● 35475 | ● 10223 |
| 4" | 121,40 | 85,00 | 1,700 | ● 35476 | ● 10224 |



G-ISO DIN 228

| | | | | |
|------|-------|-------|-------|----------|
| 1/4" | 18,50 | 25,00 | 0,062 | ● 761111 |
|------|-------|-------|-------|----------|

Ganze Muffe - 433 W2

DIN EN 10241 (DIN 2986), mittelschwere Ausführung,

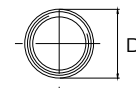
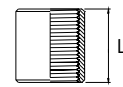
AD-W2, Rp-DIN EN 10226-1 / ISO 7-1

Socket - 433 W2

DIN EN 10241 (DIN 2986), medium heavy type,

AD-W2, Rp-DIN EN 10226-1 / ISO 7-1

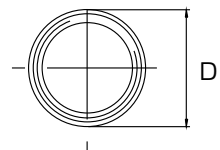
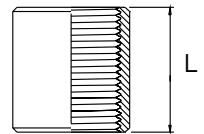
| Abm./Dim. | D mm | L mm | Kg/Stk/pc | EN 1.4571 | Artikel-Nr. Article-No. |
|-----------|-------|-------|-----------|-----------|----------------------------|
| 1/4" | 18,50 | 25,00 | 0,021 | | ● 35505 |
| 3/8" | 21,30 | 26,00 | 0,035 | | ● 35511 |
| 1/2" | 26,60 | 34,00 | 0,062 | | ● 35504 |
| 3/4" | 31,80 | 36,00 | 0,080 | | ● 35510 |
| 1" | 39,50 | 43,00 | 0,144 | | ● 35508 |
| 1 1/4" | 48,30 | 48,00 | 0,202 | | ● 35507 |
| 1 1/2" | 54,50 | 48,00 | 0,237 | | ● 35506 |
| 2" | 66,20 | 58,00 | 0,348 | | ● 35509 |



Ganze Muffe - 433
nach Werksnorm TS 53-1100,
hergestellt aus Stabstahl, Rp-ISO 7-1

Socket - 433
according to factory standard TS 53-1100,
made of round bars, Rp-ISO 7-1

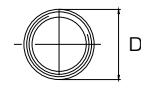
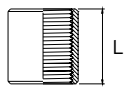
| Abm./Dim. | D mm | L mm | Kg/Stk/pc | EN 1.4571 | Artikel-Nr. Article-No. |
|-----------|-------|-------|-----------|-----------|----------------------------|
| 1/2" | 27,00 | 35,00 | 0,080 | ● 761100 | |
| 3/4" | 32,50 | 50,00 | 0,130 | ● 761101 | |
| 1" | 39,50 | 50,00 | 0,160 | ● 761102 | |
| 1 1/4" | 49,00 | 55,00 | 0,280 | ● 761103 | |
| 1 1/2" | 56,00 | 55,00 | 0,330 | ● 761104 | |



Ganze Muffe - 333 NPT
mit NPT Gewinde

Socket - 333 NPT
with NPT thread

| Abm./Dim. | D mm | L mm | Kg/Stk/pc | EN 1.4571 | Artikel-Nr. Article-No. |
|-----------|-------|-------|-----------|-----------|----------------------------|
| 1/4" | 18,50 | 25,00 | 0,021 | ● 35129 | |
| 3/8" | 21,30 | 26,00 | 0,035 | ● 35135 | |
| 1/2" | 26,60 | 34,00 | 0,062 | ● 35128 | |
| 3/4" | 31,80 | 36,00 | 0,080 | ● 35134 | |
| 1" | 39,50 | 43,00 | 0,144 | ● 35132 | |
| 1 1/4" | 48,30 | 48,00 | 0,202 | ● 35131 | |
| 1 1/2" | 54,50 | 48,00 | 0,237 | ● 35130 | |
| 2" | 66,20 | 56,00 | 0,348 | ● 35133 | |



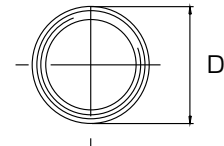
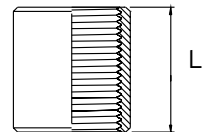
Ganze Muffe - 433 H

DIN EN 10241 (DIN 2986), mittelschwere Ausführung,
einseitig mit 30° Fase, Rp-DIN EN 10226-1 / ISO 7-1

Socket - 433 H

DIN EN 10241 (DIN 2986), medium heavy type,
on one side with 30 degree bevel, Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | D mm | L mm | Kg/Stk/pc | EN 1.4571 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 18,50 | 25,00 | 0,021 | ● 35486 |
| 3/8" | 21,30 | 26,00 | 0,035 | ● 35492 |
| 1/2" | 26,60 | 34,00 | 0,062 | ● 35485 |
| 3/4" | 31,80 | 36,00 | 0,080 | ● 35491 |
| 1" | 39,50 | 43,00 | 0,144 | ● 35489 |
| 1 1/4" | 48,30 | 48,00 | 0,202 | ● 35488 |
| 1 1/2" | 54,50 | 48,00 | 0,237 | ● 35487 |
| 2" | 66,20 | 58,00 | 0,348 | ● 35490 |



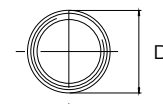
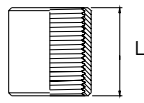
Ganze Muffe - 433 V

DIN EN 10241 (DIN 2986), mittelschwere Ausführung,
Rp-DIN EN 10226-1 / ISO 7-1

Socket - 433 V

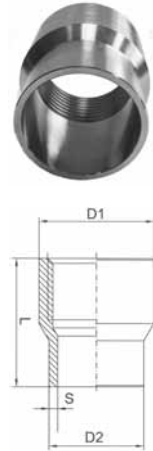
DIN EN 10241 (DIN 2986), medium heavy type,
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | D mm | L mm | Kg/Stk/pc | EN 1.4541 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 15,00 | 17,00 | 0,011 | ● 35495 |
| 1/4" | 18,50 | 25,00 | 0,021 | ● 35494 |
| 3/8" | 21,30 | 26,00 | 0,035 | ● 35502 |
| 1/2" | 26,60 | 34,00 | 0,062 | ● 35493 |
| 3/4" | 31,80 | 36,00 | 0,080 | ● 35501 |
| 1" | 39,50 | 43,00 | 0,144 | ● 35498 |
| 1 1/4" | 48,30 | 48,00 | 0,202 | ● 35497 |
| 1 1/2" | 54,50 | 48,00 | 0,237 | ● 35496 |
| 2" | 66,20 | 56,00 | 0,348 | ● 35500 |
| 2 1/2" | 82,00 | 65,00 | 0,552 | ● 35499 |
| 3" | 95,00 | 71,00 | 0,772 | ● 35503 |



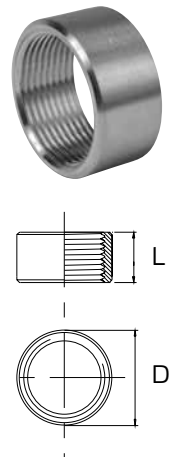
Anschweissmuffe - 433 CS
Innengewinde, Schweissende,
Rp-DIN EN 10226-1 / ISO 7-1
Welding socket - 433 CS
female thread, weld-on end,
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | D1 mm | D2 mm | L mm | S mm | Kg/Stk./pc | EN 1.4571 | Artikel-Nr. Article-No |
|-----------|-------|-------|-------|------|------------|-----------|---------------------------|
| 1/4" | 18,50 | 13,50 | 25,00 | 2,30 | 0,024 | | ● 35478 |
| 3/8" | 21,30 | 17,30 | 26,00 | 2,30 | 0,032 | | ● 35484 |
| 1/2" | 26,50 | 21,30 | 34,00 | 2,60 | 0,051 | | ● 35477 |
| 3/4" | 31,80 | 26,90 | 36,00 | 2,60 | 0,070 | | ● 35483 |
| 1" | 39,50 | 33,70 | 48,00 | 3,20 | 0,127 | | ● 35481 |
| 1 1/4" | 48,30 | 42,40 | 48,00 | 3,20 | 0,207 | | ● 35479 |
| 1 1/2" | 54,50 | 48,30 | 48,00 | 3,20 | 0,173 | | ● 35480 |
| 2" | 66,30 | 60,30 | 56,00 | 3,60 | 0,286 | | ● 35482 |



Halbe Muffe - 434
DIN EN 10241 (DIN 2986), mittelschwere Ausführung,
einseitig mit 30° Fase, Rp-DIN EN 10226-1 / ISO 7-1
Half Socket - 434
DIN EN 10241 (DIN 2986), medium heavy type,
on one side with 30 degree bevel, Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | D mm | L mm | Kg/Stk./pc | EN 1.4541 | 1.4571 | AISI 316 |
|-----------|--------|-------|------------|---------------------------|---------------------------|---------------------------|
| | | | | Artikel-Nr. Article-No | Artikel-Nr. Article-No | Artikel-Nr. Article-No |
| 1/8" | 15,00 | 8,00 | 0,005 | | ● 35514 | ● 10202 |
| 1/4" | 18,50 | 11,00 | 0,008 | | ● 35513 | |
| 3/8" | 21,30 | 12,00 | 0,012 | | ● 35521 | |
| 1/2" | 26,60 | 16,00 | 0,023 | | ● 35512 | |
| 3/4" | 31,80 | 17,00 | 0,041 | | ● 35520 | |
| 3/4" | 34,00 | 17,00 | 0,260 | ● 761115 | | |
| 1" | 39,50 | 20,00 | 0,060 | | ● 35517 | |
| 1 1/4" | 48,30 | 22,00 | 0,088 | | ● 35516 | |
| 1 1/2" | 54,50 | 22,00 | 0,101 | | ● 35515 | ● 10209 |
| 2" | 66,20 | 26,00 | 0,143 | | ● 35519 | |
| 2 1/2" | 82,00 | 30,00 | 0,290 | | ● 35518 | |
| 3" | 95,00 | 34,00 | 0,350 | | ● 35522 | |
| 4" | 121,40 | 40,00 | 0,830 | | ● 35523 | |



Reduziermuffe - 335

ähnl. DIN EN 10241 / ISO 4144 (DIN 2991),

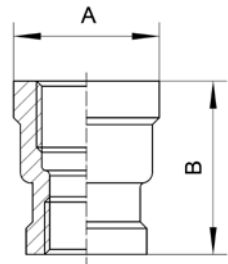
Rp-DIN EN 10226-1 / ISO 7-1

Socket reduced - 335

similar to DIN EN 10241 / ISO 4144 (DIN 2991),

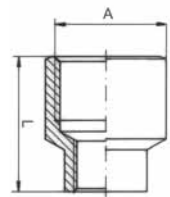
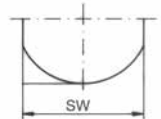
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk./pc | AISI 304 Artikel-Nr. Article-No | AISI 316 Artikel-Nr. Article-No |
|-----------------|-------|-------|------------|---------------------------------------|---------------------------------------|
| 1/4" x 1/8" | 18,00 | 22,80 | 0,020 | | ● 24136 |
| 3/8" x 1/4" | 22,00 | 22,00 | 0,049 | ● 35139 | |
| 3/8" x 1/4" | 22,00 | 22,00 | 0,029 | | ● 24137 |
| 1/2" x 1/4" | 26,00 | 25,00 | 0,058 | | ● 24138 |
| 1/2" x 3/8" | 26,00 | 28,00 | 0,062 | | ● 24139 |
| 3/4" x 3/8" | 32,00 | 24,50 | 0,070 | | ● 24140 |
| 3/4" x 1/2" | 32,00 | 32,50 | 0,079 | | ● 24141 |
| 1" x 3/8" | 39,00 | 27,00 | 0,156 | | ● 35136 |
| 1" x 1/2" | 39,00 | 29,50 | 0,121 | | ● 24142 |
| 1" x 3/4" | 39,00 | 36,40 | 0,125 | | ● 24143 |
| 1 1/4" x 3/4" | 48,00 | 33,00 | 0,175 | | ● 24145 |
| 1 1/4" x 1" | 48,00 | 42,00 | 0,185 | | ● 24146 |
| 1 1/2" x 1" | 54,00 | 34,50 | 0,235 | | ● 24147 |
| 1 1/2" x 1 1/4" | 54,00 | 44,30 | 0,236 | | ● 24148 |
| 2" x 1/2" | 66,00 | 35,50 | 0,438 | | ● 35137 |
| 2" x 1" | 66,00 | 38,00 | 0,438 | | ● 35138 |
| 2" x 1 1/4" | 66,00 | 47,80 | 0,360 | | ● 35154 |
| 2" x 1 1/2" | 66,00 | 47,80 | 0,362 | | ● 24149 |
| 2 1/2" x 2" | 81,20 | 47,00 | 0,557 | | ● 24150 |



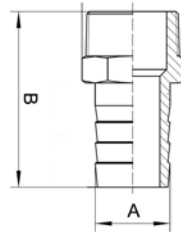
Reduziermuffe - 435
DIN EN 10241 (DIN 2988),
Rp-DIN EN 10226-1 / ISO 7-1
Socket reduced - 435
DIN EN 10241 (DIN 2988),
Rp-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | SW mm | L mm | Kg/Stk./pc | EN 1.4571 |
|-----------------|-------|-------|-------|------------|---------------------------|
| | | | | | Artikel-Nr. Article-No |
| 1/4" x 1/8" | 18,00 | 15,00 | 27,00 | 0,028 | ● 35526 |
| 3/8" x 1/4" | 21,00 | 19,00 | 30,00 | 0,042 | ● 35538 |
| 1/2" x 1/4" | 27,00 | 36,00 | 36,00 | 0,078 | ● 35524 |
| 1/2" x 3/8" | 27,00 | 24,00 | 36,00 | 0,079 | ● 35525 |
| 3/4" x 1/2" | 34,00 | 39,00 | 39,00 | 0,090 | ● 35535 |
| 3/4" x 1/4" | 34,00 | 39,00 | 39,00 | 0,091 | ● 35536 |
| 3/4" x 3/8" | 34,00 | 39,00 | 39,00 | 0,091 | ● 35537 |
| 1" x 1/2" | 40,00 | 45,00 | 45,00 | 0,160 | ● 35532 |
| 1" x 3/4" | 40,00 | 45,00 | 45,00 | 0,162 | ● 35533 |
| 1 1/4" x 1/2" | 50,00 | 50,00 | 50,00 | 0,267 | ● 35529 |
| 1 1/4" x 3/4" | 50,00 | 50,00 | 50,00 | 0,267 | ● 35531 |
| 1 1/4" x 1" | 50,00 | 50,00 | 50,00 | 0,252 | ● 35530 |
| 1 1/2" x 1" | 57,00 | 55,00 | 55,00 | 0,470 | ● 35528 |
| 1 1/2" x 1 1/4" | 57,00 | 55,00 | 55,00 | 0,432 | ● 35527 |
| 2" x 1 1/2" | 72,00 | 65,00 | 65,00 | 0,644 | ● 35534 |



Sechskant-Schlauchtülle - 337
 ähnl. DIN EN 10241 / ISO 4144,
 R-DIN EN 10226-1 / ISO 7-1
 Hexagon hose nipple - 337
 similar to DIN EN 10241 / ISO 4144,
 R-DIN EN 10226-1 / ISO 7-1

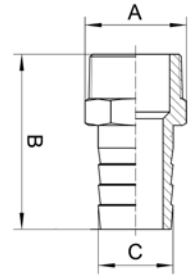
| Abm./Dim. | A mm | B mm | Kg/Stk/pc | AISI 316 | Artikel-Nr. Article-No. |
|-----------|-------|-------|-----------|----------|----------------------------|
| 1/8" | 6,50 | 46,00 | 0,010 | ● | 35145 |
| 1/4" | 6,00 | 46,00 | 0,002 | ● | 35143 |
| 1/4" | 8,00 | 46,00 | 0,020 | ● | 35144 |
| 1/4" | 11,00 | 46,00 | 0,026 | ● | 35142 |
| 3/8" | 11,00 | 49,00 | 0,041 | ● | 35153 |
| 1/2" | 14,00 | 60,00 | 0,061 | ● | 35141 |
| 3/4" | 20,00 | 63,00 | 0,111 | ● | 35151 |
| 1" | 26,00 | 67,00 | 0,164 | ● | 35149 |
| 1 1/4" | 33,00 | 71,00 | 0,278 | ● | 35147 |
| 1 1/2" | 39,00 | 80,00 | 0,336 | ● | 35146 |
| 2" | 51,00 | 85,00 | 0,580 | ● | 35150 |



Sechskant-Schlauchtülle - 437
R-DIN EN 10226-1 / ISO 7-1

Hexagon hose nipple - 437
R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | C mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|--------|-------|------------|---------------------------|
| | | | | | Artikel-Nr. Article-No |
| 1/8" | 12,00 | 46,00 | 6,50 | 0,015 | ● 35547 |
| 1/4" | 14,00 | 47,00 | 6,50 | 0,023 | ● 35545 |
| 1/4" | 14,00 | 47,00 | 9,00 | 0,023 | ● 35546 |
| 1/4" | 14,00 | 47,00 | 11,00 | 0,021 | ● 35544 |
| 3/8" | 19,00 | 49,00 | 9,00 | 0,034 | ● 35561 |
| 3/8" | 19,00 | 49,00 | 11,00 | 0,040 | ● 35560 |
| 1/2" | 22,00 | 57,00 | 9,00 | 0,057 | ● 35543 |
| 1/2" | 22,00 | 57,00 | 11,00 | 0,059 | ● 35539 |
| 1/2" | 22,00 | 57,00 | 13,00 | 0,067 | ● 35540 |
| 1/2" | 22,00 | 57,00 | 14,00 | 0,066 | ● 35541 |
| 1/2" | 22,00 | 57,00 | 15,00 | 0,068 | ● 35542 |
| 3/4" | 27,00 | 60,00 | 13,00 | 0,117 | ● 35555 |
| 3/4" | 27,00 | 60,00 | 15,00 | 0,132 | ● 35556 |
| 3/4" | 27,00 | 60,00 | 17,00 | 0,125 | ● 35557 |
| 3/4" | 27,00 | 60,00 | 20,00 | 0,128 | ● 35558 |
| 3/4" | 27,00 | 60,00 | 26,00 | 0,130 | ● 35559 |
| 1" | 36,00 | 73,00 | 15,00 | 0,214 | ● 35550 |
| 1" | 36,00 | 73,00 | 17,00 | 0,214 | ● 35551 |
| 1" | 36,00 | 73,00 | 26,00 | 0,175 | ● 35552 |
| 1 1/4" | 46,00 | 87,00 | 33,00 | 0,307 | ● 35549 |
| 1 1/2" | 50,00 | 88,00 | 39,00 | 0,438 | ● 35548 |
| 2" | 60,00 | 100,00 | 44,00 | 0,770 | ● 35553 |
| 2" | 60,00 | 100,00 | 51,00 | 0,766 | ● 35554 |

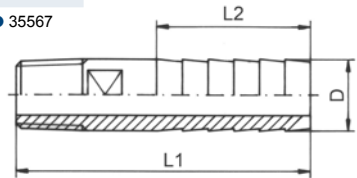


Schlauchnippel - 437 G
R-DIN EN 10226-1 / ISO 7-1

Hose nipple - 437 G
R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | D mm | L1 mm | L2 mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|--------|-------|------------|-----------|
| 1/4" | 13,50 | 70,00 | 30,00 | 0,039 | ● 35563 |
| 3/8" | 17,20 | 70,00 | 30,00 | 0,047 | ● 35569 |
| 1/2" | 21,30 | 70,00 | 30,00 | 0,069 | ● 35562 |
| 3/4" | 26,90 | 70,00 | 30,00 | 0,086 | ● 35568 |
| 1" | 33,70 | 70,00 | 30,00 | 0,145 | ● 35566 |
| 1 1/4" | 42,40 | 70,00 | 30,00 | 0,118 | ● 35565 |
| 1 1/2" | 48,30 | 100,00 | 30,00 | 0,306 | ● 35564 |
| 2" | 60,30 | 100,00 | 30,00 | 0,420 | ● 35567 |

Artikel-Nr.
Article-No

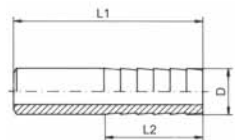


Schlauchnippel - 437 S
mit Schweissende

Hose nipple - 437 S
with weld-on end

| Abm./Dim. | D mm | L1 mm | L2 mm | S mm | Kg/Stk./pc | EN 1.4571 |
|-----------|-------|--------|-------|------|------------|-----------|
| 1/4" | 13,50 | 70,00 | 30,00 | 2,30 | 0,032 | ● 35571 |
| 3/8" | 17,20 | 70,00 | 30,00 | 2,30 | 0,050 | ● 35577 |
| 1/2" | 21,30 | 70,00 | 30,00 | 2,60 | 0,069 | ● 35570 |
| 3/4" | 26,90 | 70,00 | 30,00 | 2,60 | 0,090 | ● 35576 |
| 1" | 33,70 | 70,00 | 30,00 | 3,20 | 0,152 | ● 35574 |
| 1 1/4" | 42,40 | 70,00 | 30,00 | 3,20 | 0,201 | ● 35573 |
| 1 1/2" | 48,30 | 100,00 | 30,00 | 3,20 | 0,338 | ● 35572 |
| 2" | 60,30 | 100,00 | 30,00 | 3,60 | 0,458 | ● 35575 |

Artikel-Nr.
Article-No



Sechskant-Doppelnippel - 340

ähnl. DIN EN 10241 / ISO 4144 (DIN 2990),

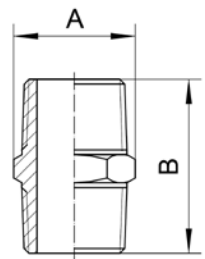
R-DIN EN 10226-1 / ISO 7-1

Hexagon nipple - 340

similar to DIN EN 10241 / ISO 4144 (DIN 2990),

R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Paar/pc | AISI 316 |
|-----------|-------|-------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 12,00 | 29,50 | 0,012 | ● 24031 |
| 1/4" | 14,00 | 26,00 | 0,019 | ● 24032 |
| 3/8" | 18,00 | 28,00 | 0,023 | ● 24033 |
| 1/2" | 22,00 | 33,50 | 0,046 | ● 24034 |
| 3/4" | 28,00 | 38,00 | 0,062 | ● 24035 |
| 1" | 35,00 | 41,50 | 0,104 | ● 24036 |
| 1 1/4" | 44,00 | 47,50 | 0,152 | ● 24037 |
| 1 1/2" | 50,00 | 47,50 | 0,169 | ● 24038 |
| 2" | 62,00 | 55,00 | 0,231 | ● 24039 |
| 2 1/2" | 78,00 | 67,00 | 0,406 | ● 24040 |
| 3" | 91,00 | 75,00 | 0,593 | ● 24041 |



Sechskant-Doppelnippel - 440

DIN EN 10241 (DIN 2990),

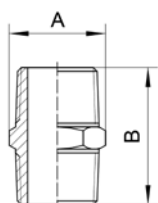
R-DIN EN 10226-1 / ISO 7-1

Hexagon nipple - 440

DIN EN 10241 (DIN 2990),

R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | EN 1.4571 |
|-----------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/8" | 12,00 | 22,00 | 0,009 | ● 35580 |
| 1/4" | 14,00 | 24,00 | 0,013 | ● 35579 |
| 3/8" | 19,00 | 28,00 | 0,022 | ● 35586 |
| 1/2" | 22,00 | 24,00 | 0,038 | ● 35578 |
| 3/4" | 27,00 | 40,00 | 0,072 | ● 35585 |
| 1" | 36,00 | 46,00 | 0,131 | ● 35583 |
| 1 1/4" | 46,00 | 52,00 | 0,226 | ● 35582 |
| 1 1/2" | 50,00 | 54,00 | 0,278 | ● 35581 |
| 2" | 65,00 | 60,00 | 0,438 | ● 35584 |



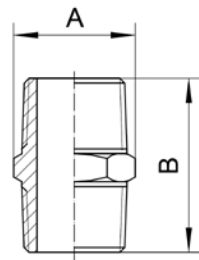
Sechskant-Doppelnippel - 440 Z

ähnl. DIN EN 10241 (DIN 2982), mit zylindrischem Gewinde,
G-DIN EN ISO 228-1

Hexagon nipple - 440 Z

similar to DIN EN 10241 (DIN 2982), with cylindrical thread,
G-DIN EN ISO 228-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | EN 1.4571 | Artikel-Nr. Article-No. |
|-----------|-------|-------|-----------|-----------|----------------------------|
| G1/4" | 14,00 | 26,00 | 0,013 | | ● 761112 |
| G1/2" | 27,00 | 34,00 | 0,038 | | ● 761113 |



Sechskant-Reduzierdoppelnippel - 341

ähnl. DIN EN 10241 / ISO 4144,

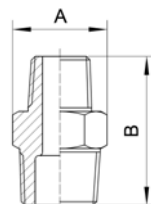
R-DIN EN 10226-1 / ISO 7-1

Hexagon nipple reduced - 341

similar to DIN EN 10241 / ISO 4144,

R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk./pc | EN 1.4541 | AISI 316 | Artikel-Nr. Article-No | Artikel-Nr. Article-No |
|-------------|-------|-------|------------|-----------|----------|---------------------------|---------------------------|
| 1/4" x 1/8" | 14,50 | 22,50 | 0,016 | | | ● 24046 | ● 35161 |
| 3/8" x 1/8" | 18,00 | 24,00 | 0,044 | | | | ● 35161 |
| 3/8" x 1/4" | 19,00 | 28,00 | 0,046 | | | ● 36415 | |
| 3/8" x 1/4" | 18,00 | 26,50 | 0,025 | | | | ● 24048 |
| 1/2" x 1/8" | 21,40 | 27,50 | 0,060 | | | | ● 29949 |
| 1/2" x 1/4" | 21,40 | 30,00 | 0,039 | | | | ● 24049 |
| 1/2" x 3/8" | 21,40 | 30,50 | 0,041 | | | | ● 24050 |
| 3/4" x 1/4" | 27,00 | 31,50 | 0,105 | | | | ● 35160 |
| 3/4" x 3/8" | 27,00 | 32,00 | 0,051 | | | | ● 24051 |



Sechskant-Reduzierdoppelnippel - 341

ähnl. DIN EN 10241 / ISO 4144,

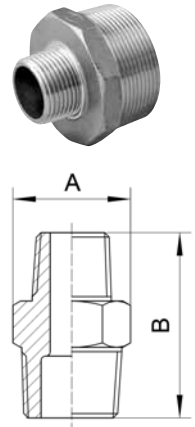
R-DIN EN 10226-1 / ISO 7-1

Hexagon nipple reduced - 341

similar to DIN EN 10241 / ISO 4144,

R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk./pc | AISI 316 | Artikel-Nr. Article-No |
|-----------------|-------|-------|------------|----------|---------------------------|
| 3/4" x 1/2" | 27,00 | 35,50 | 0,057 | ● | 24052 |
| 1" x 1/4" | 34,00 | 34,50 | 0,151 | ● | 35158 |
| 1" x 1/2" | 34,00 | 38,50 | 0,093 | ● | 24053 |
| 1" x 3/8" | 34,00 | 35,00 | 0,105 | ● | 29974 |
| 1" x 3/4" | 34,00 | 39,50 | 0,088 | ● | 24054 |
| 1 1/4" x 1/2" | 42,70 | 41,50 | 0,146 | ● | 24055 |
| 1 1/4" x 3/4" | 42,70 | 42,50 | 0,240 | ● | 35157 |
| 1 1/4" x 1" | 42,70 | 45,00 | 0,151 | ● | 24056 |
| 1 1/2" x 1/2" | 48,60 | 41,50 | 0,265 | ● | 35155 |
| 1 1/2" x 3/4" | 48,60 | 42,50 | 0,263 | ● | 35156 |
| 1 1/2" x 1" | 48,60 | 45,00 | 0,187 | ● | 24057 |
| 1 1/2" x 1 1/4" | 48,60 | 47,50 | 0,187 | ● | 24058 |
| 2" x 3/4" | 60,50 | 46,50 | 0,478 | ● | 35159 |
| 2" x 1" | 60,50 | 49,00 | 0,284 | ● | 24059 |
| 2" x 1 1/4" | 60,50 | 51,50 | 0,281 | ● | 24062 |
| 2" x 1 1/2" | 60,50 | 51,50 | 0,267 | ● | 24060 |
| 2 1/2" x 2" | 78,00 | 59,00 | 0,700 | ● | 34972 |
| 3" x 2 1/2" | 91,00 | 64,50 | 0,547 | ● | 29934 |



Sechskant-Reduzierdoppelnippel - 441

DIN EN 10241 (DIN 2991),

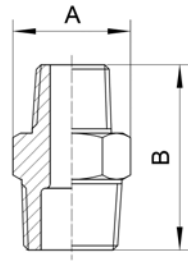
R-DIN EN 10226-1 / ISO 7-1

Hexagon nipple reduced - 441

DIN EN 10241 (DIN 2991),

R-DIN EN 10226-1 / ISO 7-1

| Abm./Dim. | A mm | B mm | Kg/Stk/pc | EN 1.4571 |
|-----------------|-------|-------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" x 1/8" | 14,00 | 25,00 | 0,013 | ● 35591 |
| 3/8" x 1/4" | 19,00 | 28,00 | 0,022 | ● 35606 |
| 1/2" x 1/4" | 22,00 | 34,00 | 0,038 | ● 35589 |
| 1/2" x 3/8" | 22,00 | 34,00 | 0,036 | ● 35590 |
| 3/4" x 1/8" | 27,00 | 34,00 | 0,078 | ● 35604 |
| 3/4" x 1/4" | 27,00 | 35,00 | 0,074 | ● 35603 |
| 3/4" x 3/8" | 27,00 | 36,00 | 0,067 | ● 35605 |
| 3/4" x 1/2" | 27,00 | 40,00 | 0,066 | ● 35602 |
| 1" x 1/2" | 36,00 | 42,00 | 0,117 | ● 35597 |
| 1" x 3/4" | 36,00 | 45,00 | 0,120 | ● 35598 |
| 1 1/4" x 1/2" | 46,00 | 45,00 | 0,170 | ● 35594 |
| 1 1/4" x 3/4" | 46,00 | 48,00 | 0,188 | ● 35596 |
| 1 1/4" x 1" | 46,00 | 50,00 | 0,208 | ● 35595 |
| 1 1/2" x 1" | 50,00 | 50,00 | 0,234 | ● 35593 |
| 1 1/2" x 1 1/4" | 50,00 | 54,00 | 0,260 | ● 35592 |
| 2" x 1" | 65,00 | 53,00 | 0,378 | ● 35601 |
| 2" x 1 1/2" | 65,00 | 57,00 | 0,512 | ● 35599 |





Index

| | |
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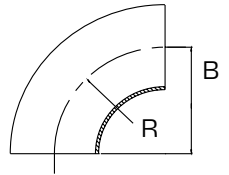
Rohrbogen 90°

Geschweißte Ausführung, DIN EN 10253-4 -w- Bauart A, Typ 2D

Elbow 90°

welded, DIN EN 10253-4/A -w- type 2D

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|---------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 33,70 x 2,00 | 28,00 | 0,100 | | ● 37629 |
| 42,40 x 2,00 | 32,00 | 0,120 | | ● 37630 |
| 48,30 x 2,00 | 38,00 | 0,180 | | ● 37631 |
| 60,30 x 2,00 | 51,00 | 0,310 | | ● 37632 |
| 76,10 x 2,30 | 63,00 | 0,580 | ● 35760 | ● 37633 |
| 88,90 x 2,30 | 76,00 | 0,870 | | ● 37634 |
| 114,30 x 2,60 | 102,00 | 1,200 | | ● 37635 |
| 139,70 x 3,00 | 127,00 | 1,420 | | ● 37636 |
| 168,30 x 3,00 | 152,00 | 2,500 | | ● 37637 |
| 219,10 x 3,00 | 203,00 | 5,200 | | ● 37638 |
| 273,00 x 3,00 | 254,00 | 8,100 | | ● 37639 |
| 323,90 x 3,00 | 305,00 | 11,600 | | ● 37640 |
| 406,40 x 4,00 | 406,00 | 75,750 | | ● 37641 |
| 508,00 x 4,00 | 508,00 | 41,000 | | ● 37642 |



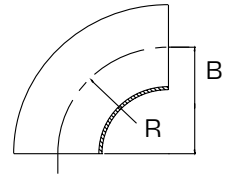
Rohrbogen 90°

nahtlose Ausführung, EN 10253-4 -s- Bauart A, Typ 3D,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

Elbow 90°

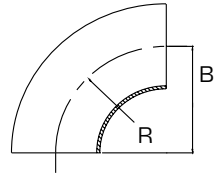
seamless, EN 10253-4/A -s- type 3D,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|------------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 21,30 x 2,00 | 28,00 | 0,067 | ● 30676 | |
| x 2,00 | 28,00 | 0,040 | | ● 35895 |
| x 2,60 | 28,00 | 0,060 | ● 35894 | |
| x 2,60 | 28,00 | 0,067 | | ● 30683 |
| 26,90 x 2,00 | 29,00 | 0,060 | ● 36489 | |
| x 2,60 | 29,00 | 0,080 | | ● 35897 |
| 33,70 x 2,00 | 38,00 | 0,095 | | ● 30687 |
| x 2,60 | 38,00 | 0,114 | ● 30677 | |
| x 2,60 | 38,00 | 0,120 | | ● 35898 |
| x 3,20 | 38,00 | 0,133 | ● 35899 | ● 30689 |
| 42,40 x 2,60 | 48,00 | 0,190 | | ● 35900 |
| x 3,20 | 48,00 | 0,230 | ● 35901 | |
| 48,30 x 2,60 | 57,00 | 0,248 | ● 30679 | |
| x 2,60 | 57,00 | 0,260 | | ● 35902 |
| x 3,20 | 57,00 | 0,320 | ● 35903 | ● 34976 |
| 60,30 x 2,00 | 76,00 | 0,062 | ● 36495 | |
| x 2,60 | 76,00 | 0,419 | | ● 30693 |
| x 2,90 | 76,00 | 0,466 | ● 30681 | |
| x 2,90 | 76,00 | 0,490 | | ● 35904 |
| x 5,60/4,00 | 76,00 | 0,965 | ● 35905 | |
| 76,10 x 2,90 | 95,00 | 0,560 | ● 34602 | |
| x 2,90 | 95,00 | 0,880 | | ● 35906 |
| x 4,00 | 95,00 | 1,180 | | ● 35879 |
| 88,90 x 3,20 | 114,00 | 1,220 | ● 30682 | |
| x 3,20 | 114,00 | 1,220 | | ● 35907 |
| x 5,00 | 114,00 | 1,870 | ● 35908 | |
| x 5,60 | 114,00 | 2,060 | | ● 35889 |
| 114,30 x 3,60 | 152,00 | 2,350 | ● 35887 | ● 35888 |
| x 6,30 | 152,00 | 7,120 | ● 35890 | |
| 139,70 x 6,30 | 190,00 | 6,140 | | ● 35892 |
| 168,30 x 5,6/5,0 | 229,00 | 8,060 | ● 35891 | |
| 219,10 x 4,00 | 305,00 | 7,600 | | ● 34627 |
| 219,10 x 8,00 | 305,00 | 21,866 | ● 35896 | |



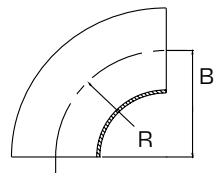
Rohrbogen 90°
nahtlose und/oder geschweißte Ausführung, DIN 2605/DIN 2609
und/oder DIN 10253-4-A-3D, AD 2000-W2/W10, HP 8/3, VdTÜV 1252
Elbow 90°
seamless and/or welded, DIN 2605/DIN 2609
and/or DIN 10253-4-A-3D, AD 2000-W2/W10, HP 8-3, VdTÜV 1252

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4539 |
|---------------|--------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 21,30 x 2,00 | 28,00 | 0,040 | ● 36567 |
| 26,90 x 2,00 | 29,00 | 0,060 | ● 36568 |
| 33,70 x 2,00 | 38,00 | 0,100 | ● 36569 |
| x 2,60 | 38,00 | 0,120 | ● 36570 |
| 48,30 x 2,00 | 57,00 | 0,220 | ● 36571 |
| 60,30 x 2,00 | 76,00 | 0,340 | ● 36572 |
| x 2,90 | 76,00 | 0,490 | ● 36573 |
| 88,90 x 2,30 | 114,00 | 0,900 | ● 36574 |
| 114,30 x 2,60 | 152,00 | 1,600 | ● 36575 |
| 168,30 x 2,60 | 229,00 | 3,750 | ● 36576 |
| 219,10 x 2,90 | 305,00 | 7,800 | ● 36577 |



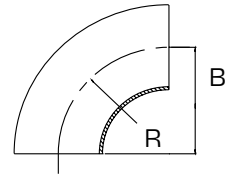
Rohrbogen 90°
geschweißte Ausführung, EN 10253-4 -w- Bauart A, Typ 3D,
geschliffen K 240
Elbow 90°
welded, EN 10253-4/A -w-, type 3D,
polished grit 240

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4307 |
|--------------|-------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 42,40 x 2,00 | 48,00 | 0,160 | ● 32964 |



Rohrbogen 90°
 geschweißte Ausführung, EN 10253-3/4 -w-
 Bauart A, Typ 3D
 Elbow 90°
 welded, EN 10253-3/4/A -w-
 type 3D

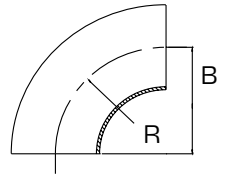
| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4307 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|-----------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 17,20 x 1,60 | 20,00 | 0,019 | | | | ● 30769 |
| 18,00 x 1,50 | 20,00 | 0,029 | ● 20045 | | | ● 30770 |
| 20,00 x 1,50 | 20,00 | 0,030 | ● 20047 | | ● 30699 | |
| x 2,00 | 20,00 | 0,040 | ● 20049 | | | ● 30771 |
| 21,30 x 1,60 | 28,00 | 0,034 | ● 20051 | | | ● 30772 |
| x 2,00 | 28,00 | 0,042 | ● 20053 | ● 36498 | ● 30702 | ● 30773 |
| x 2,60 | 28,00 | 0,060 | ● 20055 | | ● 30703 | ● 30774 |
| 25,00 x 1,50 | 27,50 | 0,040 | ● 20059 | | | |
| x 2,00 | 27,50 | 0,050 | ● 20061 | | ● 30705 | ● 30776 |
| 26,90 x 1,60 | 29,00 | 0,050 | ● 20063 | | | ● 30777 |
| x 2,00 | 29,00 | 0,060 | ● 20065 | ● 36499 | ● 30707 | ● 30778 |
| x 2,60 | 29,00 | 0,064 | ● 20067 | | | ● 30779 |
| 28,00 x 1,50 | 32,50 | 0,060 | ● 20069 | | | ● 30780 |
| x 2,00 | 32,50 | 0,078 | | | ● 30710 | |
| 30,00 x 2,00 | 33,50 | 0,070 | ● 20071 | | | ● 30781 |
| 33,70 x 1,60 | 38,00 | 0,073 | ● 20075 | | | ● 30782 |
| x 2,00 | 38,00 | 0,100 | ● 20077 | ● 36500 | ● 30713 | ● 30783 |
| x 2,60 | 38,00 | 0,114 | ● 32767 | | ● 30714 | ● 30784 |
| x 3,20 | 38,00 | 0,133 | ● 20079 | | | ● 30785 |
| 35,00 x 1,50 | 45,00 | 0,100 | ● 20081 | | | ● 30786 |
| 38,00 x 1,50 | 45,00 | 0,105 | ● 20085 | | ● 30717 | ● 31240 |
| x 2,00 | 45,00 | 0,125 | ● 20087 | | ● 30718 | ● 30788 |
| 40,00 x 2,00 | 45,00 | 0,152 | ● 20089 | | | ● 30790 |
| 42,40 x 1,60 | 48,00 | 0,133 | ● 20091 | | | ● 30791 |
| x 2,00 | 48,00 | 0,155 | ● 20093 | ● 36501 | ● 30720 | ● 30792 |
| x 2,60 | 48,00 | 0,190 | ● 32768 | ● 36502 | ● 30721 | ● 30793 |
| x 3,20 | 48,00 | 0,230 | ● 20095 | | | ● 30794 |
| 43,00 x 1,50 | 48,00 | 0,143 | | | | ● 30795 |
| 44,50 x 2,00 | 51,00 | 0,170 | ● 20097 | | ● 30723 | ● 30796 |
| 48,30 x 1,60 | 57,00 | 0,190 | ● 20099 | | | |
| x 2,00 | 57,00 | 0,220 | ● 20101 | ● 36503 | ● 30725 | ● 30797 |
| x 2,60 | 57,00 | 0,260 | ● 32769 | ● 36504 | ● 30726 | ● 30798 |
| x 3,20 | 57,00 | 0,315 | ● 20103 | | ● 30727 | ● 30799 |
| 51,00 x 2,00 | 63,50 | 0,295 | ● 20107 | | | ● 30800 |
| 53,00 x 1,50 | 72,50 | 0,248 | | | | ● 30801 |



Rohrbogen 90°
geschweißte Ausführung, EN 10253-3/4 -w-
Bauart A, Typ 3D

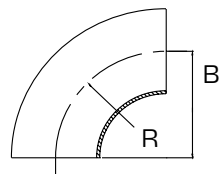
Elbow 90°
welded, EN 10253-3/4/A -w-
type 3D

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4307 | 1.4404 | 1.4541 | 1.4571 |
|---------------|--------|-----------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 54,00 x 2,00 | 72,50 | 0,340 | ● 20111 | | ● 35767 | ● 30802 |
| 57,00 x 2,00 | 72,50 | 0,320 | ● 20113 | | | |
| 60,30 x 1,60 | 76,00 | 0,260 | ● 20117 | | | |
| x 2,00 | 76,00 | 0,340 | ● 20119 | ● 36505 | ● 30732 | ● 30804 |
| x 2,60 | 76,00 | 0,500 | ● 20121 | ● 36506 | ● 35768 | ● 30805 |
| x 2,90 | 76,00 | 0,490 | ● 32770 | | ● 35769 | ● 30806 |
| x 3,60 | 76,00 | 0,600 | ● 20123 | | | ● 30807 |
| 70,00 x 2,00 | 92,00 | 0,500 | ● 20131 | | ● 35770 | ● 30809 |
| 76,10 x 2,00 | 95,00 | 0,620 | ● 20135 | ● 36507 | ● 30737 | ● 30810 |
| x 2,60 | 95,00 | 0,770 | ● 20137 | ● 36508 | ● 35771 | ● 30811 |
| x 2,90 | 95,00 | 0,838 | | | | ● 30812 |
| x 3,00 | 95,00 | 0,800 | ● 20139 | | | |
| 84,00 x 2,00 | 105,00 | 0,750 | ● 20143 | | ● 35772 | ● 30813 |
| 88,90 x 2,00 | 114,00 | 0,810 | ● 20147 | ● 36509 | ● 30741 | ● 30814 |
| x 2,60 | 114,00 | 1,020 | ● 20149 | ● 36510 | | ● 30816 |
| x 2,90 | 114,00 | 1,095 | ● 32771 | | | ● 30815 |
| x 3,00 | 114,00 | 1,130 | | ● 35785 | | |
| x 3,20 | 114,00 | 1,161 | | | ● 30744 | ● 30817 |
| 101,60 x 2,00 | 133,50 | 1,005 | ● 33143 | | | |
| x 2,00 | 152,00 | 0,970 | ● 20155 | | | |
| x 3,00 | 133,50 | 1,500 | ● 36497 | | | |
| 104,00 x 2,00 | 150,00 | 1,200 | ● 20157 | | ● 35754 | ● 30818 |
| 108,00 x 2,00 | 142,50 | 1,047 | | | ● 30746 | ● 30819 |
| x 3,00 | 142,50 | 1,761 | | | | ● 30820 |
| x 4,00 | 142,50 | 2,094 | | | | ● 30821 |
| 114,30 x 2,00 | 152,00 | 1,300 | ● 20167 | ● 36511 | | ● 30822 |
| x 2,60 | 152,00 | 1,700 | ● 20169 | ● 36512 | ● 30749 | ● 30823 |
| x 3,00 | 152,00 | 2,000 | ● 20171 | ● 36513 | | ● 30824 |
| x 3,60 | 152,00 | 2,350 | | | | ● 30825 |
| 129,00 x 2,00 | 187,50 | 1,900 | ● 14024 | | ● 30752 | ● 30826 |
| 133,00 x 3,00 | 183,50 | 3,500 | | | ● 35757 | |
| 139,70 x 2,00 | 190,00 | 2,100 | ● 14034 | | ● 30756 | ● 30830 |
| x 2,60 | 190,00 | 2,560 | ● 32774 | ● 36514 | ● 30754 | ● 30828 |
| x 3,00 | 190,00 | 3,080 | ● 32775 | ● 36515 | | ● 30829 |
| 154,00 x 2,00 | 225,00 | 2,750 | ● 14026 | | ● 35758 | ● 30831 |



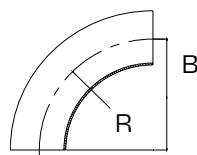
Rohrbogen 90°
 geschweißte Ausführung, EN 10253-3/4 -w-
 Bauart A, Typ 3D
 Elbow 90°
 welded, EN 10253-3/4/A -w-
 type 3D

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4307 | 1.4404 | 1.4541 | 1.4571 |
|---------------|--------|-----------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 159,00 x 3,00 | 216,00 | 3,713 | | | ● 30758 | ● 30833 |
| 168,30 x 2,00 | 229,00 | 2,926 | | | ● 35759 | ● 30836 |
| x 2,60 | 229,00 | 3,750 | ● 32776 | ● 36516 | ● 30760 | ● 30834 |
| x 3,00 | 229,00 | 4,470 | ● 32777 | ● 36517 | ● 30761 | ● 30835 |
| x 4,00 | 229,00 | 5,617 | | | | ● 30837 |
| 204,00 x 2,00 | 300,00 | 4,750 | ● 14028 | | ● 30762 | ● 30838 |
| 219,10 x 2,00 | 305,00 | 5,200 | ● 14038 | | | ● 30841 |
| x 3,00 | 305,00 | 7,800 | ● 32778 | ● 36518 | ● 30763 | ● 30839 |
| x 4,00 | 305,00 | 9,881 | | ● 35713 | | ● 30840 |
| 254,00 x 2,00 | 375,00 | 7,045 | ● 32779 | | | ● 30842 |
| 273,00 x 3,00 | 381,00 | 11,614 | ● 32780 | | ● 30765 | ● 30844 |
| x 4,00 | 381,00 | 15,232 | | | | ● 30843 |
| 323,90 x 3,00 | 457,00 | 16,565 | ● 32781 | | ● 30766 | ● 30845 |
| x 4,00 | 457,00 | 20,944 | | ● 35830 | | ● 30846 |
| 355,60 x 3,00 | 533,00 | 21,230 | ● 32782 | | ● 30767 | ● 30847 |
| 406,40 x 3,00 | 610,00 | 27,703 | ● 32783 | | ● 30768 | ● 30849 |
| x 4,00 | 610,00 | 36,842 | | | | ● 30848 |
| 508,00 x 4,00 | 762,00 | 57,882 | | | | ● 30850 |
| 609,60 x 4,00 | 914,00 | 86,000 | | | | ● 30896 |



Rohrbogen 90°
 geschweißte Ausführung, EN 10253 -w-
 $R = D + 100$ ($R-ID+100$)
 Elbow 90°
 welded, EN 10253 -w-
 $R = D + 100$ ($R-ID+100$)

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4307 | 1.4571 |
|---------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 256,00 x 3,00 | 350,00 | 10,850 | | ● 30894 |
| 306,00 x 3,00 | 400,00 | 14,400 | | ● 30892 |



Rohrbogen 45°
geschweißte Ausführung, EN 10253-4 -w- Bauart A, Typ 3D,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

Elbow 45°
welded, EN 10253-4/A, type 3D,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | A mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|--------------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 21,30 x 2,00 | 12,00 | 0,015 | ● 35709 | ● 35710 |
| 26,90 x 2,00 | 12,00 | 0,025 | ● 35714 | ● 35715 |
| 33,70 x 2,00 | 16,00 | 0,050 | ● 35724 | ● 35725 |
| 42,40 x 2,00 | 20,00 | 0,080 | ● 35729 | ● 35730 |
| 48,30 x 2,00 | 24,00 | 0,110 | ● 35731 | ● 35732 |
| 60,30 x 2,00 | 32,00 | 0,170 | ● 35734 | ● 35735 |
| 76,10 x 2,30 | 39,00 | 0,360 | ● 35736 | ● 35737 |
| 88,90 x 2,30 | 47,00 | 0,470 | ● 35738 | ● 35739 |
| 114,30 x 2,60 | 63,00 | 0,800 | ● 35703 | ● 35704 |
| 139,70 x 2,60 | 79,00 | 1,280 | ● 35705 | ● 35706 |
| 168,30 x 2,60 | 95,00 | 1,875 | ● 35707 | ● 35708 |
| 219,10 x 2,90 | 126,00 | 3,775 | ● 35711 | ● 35712 |
| 273,00 x 2,90 | 158,00 | 5,300 | ● 35716 | |
| x 3,00 | 158,00 | 5,300 | | ● 35718 |
| 323,90 x 3,00 | 189,00 | 8,700 | ● 35719 | ● 35720 |
| x 3,20 | 189,00 | 9,220 | | ● 761202 |
| x 4,00 | 189,00 | 11,600 | ● 35721 | |
| x 5,00 | 189,00 | 14,500 | | ● 35723 |
| x 5,60/3,60 | 189,00 | 18,800 | ● 34045 | |
| 406,40 x 4,00 | 253,00 | 38,100 | ● 35727 | |
| x 6,30/4,50 | 253,00 | 30,000 | ● 35746 | |
| 508,00 x 6,30/5,00 | 316,00 | 46,650 | ● 35748 | |



Rohrbogen 90°

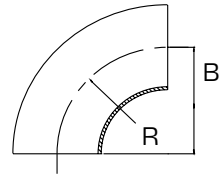
geschweißte Ausführung, EN 10253-4 -w- Bauart A, Typ 3D
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

Elbow 90°

welded, EN 10253-4/A -w- type 3D

AD 2000-W2/W10, HP 8/3, VdTÜV 1252

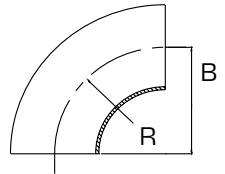
| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|---------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 21,30 x 1,60 | 28,00 | 0,030 | ● 35795 | ● 35796 |
| x 2,00 | 28,00 | 0,040 | ● 35798 | ● 35799 |
| x 2,60 | 28,00 | 0,060 | | ● 35797 |
| 26,90 x 1,60 | 29,00 | 0,050 | ● 35808 | |
| x 1,65 | 29,00 | 0,048 | | ● 35809 |
| x 2,00 | 29,00 | 0,060 | ● 35811 | ● 35812 |
| x 2,60 | 29,00 | 0,080 | | ● 35810 |
| 33,70 x 2,00 | 38,00 | 0,100 | ● 35833 | ● 35834 |
| x 2,60 | 38,00 | 0,125 | ● 35831 | ● 35832 |
| x 3,20 | 38,00 | 0,140 | ● 35835 | ● 35836 |
| 42,40 x 2,00 | 48,00 | 0,160 | ● 35852 | ● 35853 |
| x 2,60 | 48,00 | 0,190 | | ● 35851 |
| x 3,20 | 48,00 | 0,230 | | ● 35854 |
| 48,30 x 2,00 | 57,00 | 0,220 | ● 35857 | ● 35858 |
| x 2,60 | 57,00 | 0,260 | | ● 35856 |
| x 3,20 | 57,00 | 0,320 | | ● 35859 |
| 60,30 x 2,00 | 76,00 | 0,340 | ● 35867 | ● 35868 |
| x 2,60 | 76,00 | 0,440 | ● 35863 | ● 35864 |
| x 2,60/2,00 | 76,00 | 0,440 | ● 35862 | |
| x 2,90 | 76,00 | 0,490 | ● 35865 | ● 35866 |
| x 3,60 | 76,00 | 0,620 | ● 35869 | ● 35870 |
| 76,10 x 2,30 | 95,00 | 0,720 | ● 35873 | ● 35874 |
| x 2,90 | 95,00 | 0,880 | | ● 35875 |
| x 3,20 | 95,00 | 0,970 | ● 35876 | |
| x 4,00 | 95,00 | 1,170 | | |
| 88,90 x 2,30 | 114,00 | 0,940 | ● 35880 | ● 35881 |
| x 2,60 | 114,00 | 1,020 | | ● 35882 |
| x 3,20 | 114,00 | 1,220 | ● 35883 | ● 35884 |
| x 4,00 | 114,00 | 1,760 | ● 35886 | ● 35885 |
| 114,30 x 2,60 | 152,00 | 1,600 | ● 35775 | ● 35776 |
| x 3,60 | 152,00 | 2,350 | ● 35777 | ● 35778 |
| x 5,00 | 152,00 | 3,500 | ● 35779 | ● 35780 |
| 139,70 x 2,60 | 190,00 | 2,560 | ● 35781 | ● 35782 |
| x 4,00 | 190,00 | 4,090 | | ● 35784 |
| x 5,00 | 190,00 | 5,500 | | ● 35786 |



Rohrbogen 90°
geschweißte Ausführung, EN 10253-4 -w- Bauart A, Typ 3D
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

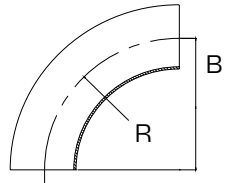
Elbow 90°
welded, EN 10253-4/A -w- type 3D
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|---------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 168,30 x 2,60 | 229,00 | 3,750 | ● 35787 | ● 35788 |
| x 3,00 | 229,00 | 4,130 | | ● 35789 |
| x 4,00/3,20 | 229,00 | 5,900 | ● 35790 | |
| x 4,00 | 229,00 | 5,900 | ● 35791 | ● 35792 |
| x 5,00 | 229,00 | 7,230 | | ● 35794 |
| 219,10 x 2,00 | 305,00 | 5,200 | ● 35800 | |
| x 2,90 | 305,00 | 7,800 | ● 35801 | ● 35802 |
| x 4,00 | 305,00 | 10,380 | ● 35803 | ● 35804 |
| x 5,00 | 305,00 | 16,400 | ● 35806 | ● 35807 |
| x 6,30/5,60 | 305,00 | 15,300 | ● 35805 | |
| 273,00 x 2,90 | 381,00 | 12,200 | ● 35813 | ● 35814 |
| x 4,00 | 381,00 | 16,300 | ● 35816 | ● 35817 |
| x 5,00 | 381,00 | 20,400 | ● 34039 | |
| 323,90 x 2,90 | 457,00 | 17,400 | ● 35819 | ● 35820 |
| x 3,20 | 457,00 | 18,440 | | ● 35823 |
| x 4,00 | 457,00 | 23,200 | ● 35826 | ● 35827 |
| x 5,00 | 457,00 | 29,400 | ● 35829 | |
| x 5,60/3,60 | 457,00 | 31,600 | ● 34040 | |
| 355,60 x 3,00 | 533,00 | 21,560 | | ● 35838 |
| 406,40 x 3,00 | 610,00 | 28,000 | ● 35843 | |
| x 4,00 | 610,00 | 38,100 | ● 35845 | ● 35846 |
| x 5,00 | 610,00 | 49,300 | ● 34041 | ● 34046 |
| x 6,00 | 610,00 | 57,200 | ● 35850 | |
| x 6,30/4,50 | 610,00 | 59,600 | ● 35847 | |
| x 6,30 | 610,00 | 60,900 | | ● 35848 |
| 508,00 x 4,00 | 762,00 | 60,420 | ● 35860 | ● 35861 |
| x 6,30/5,00 | 762,00 | 93,300 | ● 35841 | ● 34042 |
| 610,00 x 6,30 | 914,00 | 136,920 | ● 35871 | ● 35872 |



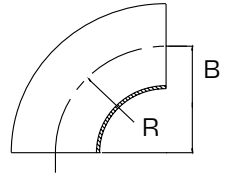
Rohrbogen 90°
 geschweißte Ausführung, EN 10253-4 -w- Bauart A, Typ 5D
 oder/und DIN 2605-1, Bauart 5, r = 2,5d
 Elbow 90°
 welded, EN 10253-4/A -w- type 5D
 or/and DIN 2605-1, type 5, r = 2,5d

| Abm./Dim. | B mm | Kg/Stk/pc | EN 1.4571 |
|---------------|--------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 21,30 x 2,00 | 45,00 | 0,060 | ● 35742 |
| 26,90 x 2,00 | 57,00 | 0,100 | ● 35743 |
| 33,70 x 2,00 | 72,00 | 0,180 | ● 35744 |
| 42,40 x 2,00 | 93,00 | 0,300 | ● 35745 |
| 48,30 x 2,00 | 108,00 | 0,400 | ● 35747 |
| x 2,60 | 108,00 | 0,510 | ● 36490 |
| 60,30 x 2,00 | 135,00 | 0,640 | ● 35749 |
| x 2,60 | 135,00 | 0,775 | ● 36492 |
| 76,10 x 2,30 | 175,00 | 1,180 | ● 35750 |
| 88,90 x 2,30 | 205,00 | 1,610 | ● 35751 |
| 114,30 x 2,60 | 270,00 | 2,980 | ● 35740 |
| x 3,00 | 270,00 | 3,350 | ● 36493 |
| 139,70 x 2,60 | 330,00 | 4,430 | ● 35752 |
| x 3,00 | 330,00 | 5,120 | ● 36494 |
| 168,30 x 2,60 | 390,00 | 8,400 | ● 35741 |
| x 3,00 | 390,00 | 7,300 | ● 36496 |
| 219,10 x 3,00 | 510,00 | 12,820 | ● 35753 |



Rohrbogen 90°
ASTM A 403, ASME B16.9,
langer Radius
Elbow 90°
ASTM A 403, ASME B16.9
long radius

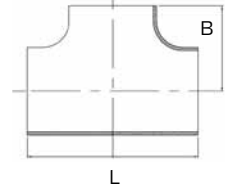
| Abm./Dim. | Rohrweite/NPS Schedule | B mm | Kg/Stk/pc | 304L/ 1.4307 | 316L/ 1.4404 |
|---------------|---------------------------|--------|-----------|-----------------|-----------------|
| | | | | Art.-No. | Art.-No. |
| 21,34 x 2,11 | 1/2" - SCH10 | 48,77 | 0,061 | ● 26036 | ● 26074 |
| x 2,77 | 1/2" - SCH40 | 48,77 | 0,078 | ● 26037 | ● 26076 |
| 26,67 x 2,11 | 3/4" - SCH10 | 51,44 | 0,078 | ● 26040 | ● 26079 |
| x 2,87 | 3/4" - SCH40 | 51,44 | 0,103 | ● 26042 | ● 26081 |
| 33,40 x 2,77 | 1" - SCH10 | 54,80 | 0,094 | ● 26044 | ● 26083 |
| x 3,38 | 1" - SCH40 | 54,80 | 0,118 | ● 26046 | ● 26085 |
| 42,16 x 2,77 | 1 1/4" - SCH10 | 68,83 | 0,152 | ● 28500 | ● 28600 |
| x 3,56 | 1 1/4" - SCH40 | 68,83 | 0,204 | ● 28550 | ● 28650 |
| 48,26 x 2,77 | 1 1/2" - SCH10 | 81,28 | 0,189 | ● 26048 | ● 26087 |
| x 3,68 | 1 1/2" - SCH40 | 81,28 | 0,245 | ● 26049 | ● 26089 |
| 60,33 x 2,77 | 2" - SCH10 | 106,37 | 0,318 | ● 26052 | ● 26091 |
| x 3,91 | 2" - SCH40 | 106,37 | 0,434 | ● 26054 | ● 26093 |
| 73,03 x 3,05 | 2 1/2" - SCH10 | 131,77 | 0,541 | ● 28501 | ● 28601 |
| x 5,16 | 2 1/2" - SCH40 | 131,77 | 0,909 | ● 28551 | ● 28651 |
| 88,90 x 3,05 | 3" - SCH10 | 158,75 | 0,761 | ● 26057 | ● 26098 |
| x 5,49 | 3" - SCH40 | 158,75 | 1,360 | ● 26059 | ● 26099 |
| 114,30 x 3,05 | 4" - SCH10 | 209,55 | 1,310 | ● 26061 | ● 26100 |
| x 6,02 | 4" - SCH40 | 209,55 | 2,560 | ● 26062 | ● 26102 |
| 141,30 x 3,40 | 5" - SCH10 | 261,15 | 2,280 | ● 28502 | ● 28602 |
| x 6,55 | 5" - SCH40 | 261,15 | 4,320 | ● 28552 | ● 36814 |
| 168,28 x 3,40 | 6" - SCH10 | 312,74 | 3,240 | ● 26064 | ● 26104 |
| x 7,11 | 6" - SCH40 | 312,74 | 6,630 | ● 26065 | ● 28652 |
| 219,08 x 3,76 | 8" - SCH10 | 413,62 | 6,680 | ● 26067 | ● 26107 |
| x 8,18 | 8" - SCH40 | 413,62 | 13,400 | ● 36811 | ● 36815 |



T-Stück
 nahtlose Ausführung, DIN EN 10253-4 Bauart A (DIN 2615-T1),
 AD 2000-W2/W10, HP 8/3, VdTÜV 1252

T-piece
 seamless, DIN EN 10253-4/A (DIN 2615-T1),
 AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|---------------|--------|--------|-----------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 21,30 x 1,60 | 50,00 | 25,00 | 0,072 | | ● 36160 |
| x 2,00 | 50,00 | 25,00 | 0,090 | ● 36161 | ● 36162 |
| 26,90 x 1,60 | 58,00 | 29,00 | 0,096 | | ● 36163 |
| x 2,00 | 58,00 | 29,00 | 0,120 | ● 36166 | ● 36167 |
| x 2,30 | 58,00 | 29,00 | 0,150 | ● 36164 | ● 36165 |
| 33,70 x 2,00 | 76,00 | 38,00 | 0,190 | ● 36170 | ● 36171 |
| x 2,60 | 76,00 | 38,00 | 0,250 | ● 36168 | ● 36169 |
| x 3,20 | 76,00 | 38,00 | 0,311 | ● 30930 | ● 36172 |
| x 3,60 | 76,00 | 38,00 | 0,350 | ● 36173 | |
| 42,40 x 2,00 | 96,00 | 48,00 | 0,320 | ● 36174 | ● 36175 |
| 48,30 x 2,00 | 114,00 | 57,00 | 0,460 | ● 36178 | ● 36179 |
| x 2,60 | 114,00 | 57,00 | 0,580 | ● 36176 | ● 36177 |
| 60,30 x 2,00 | 128,00 | 64,00 | 0,570 | ● 36183 | ● 36184 |
| x 2,90 | 128,00 | 64,00 | 0,830 | ● 36181 | ● 36182 |
| 76,10 x 2,90 | 152,00 | 76,00 | 1,250 | ● 30695 | ● 36185 |
| 88,90 x 3,20 | 172,00 | 86,00 | 1,850 | ● 36186 | ● 36187 |
| 114,30 x 3,60 | 210,00 | 105,00 | 3,100 | ● 30697 | |



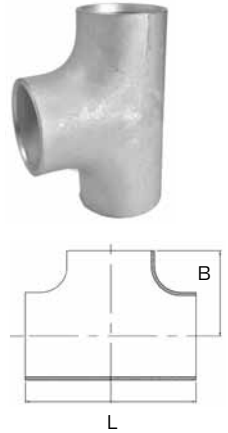
T-Stück

nahtlos, voller Ausnutzungsgrad, DIN EN 10253-4 Bauart B (DIN 2615-T₂),
AD 2000-W₂/W₁₀, HP 8/3, VdTÜV 1252

T-piece

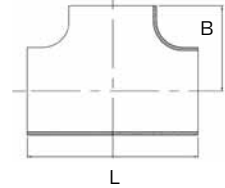
seamless, full utilisation factor, DIN EN 10253-4/B (DIN 2615-T₂),
AD 2000-W₂/W₁₀, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|---------------|--------|--------|-----------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 33,70 x 2,00 | 76,00 | 38,00 | 0,400 | ● 36096 | ● 36194 |
| x 2,60 | 76,00 | 38,00 | 0,380 | ● 35855 | |
| 48,30 x 2,00 | 114,00 | 57,00 | 0,800 | ● 36195 | |
| 60,30 x 2,00 | 128,00 | 64,00 | 1,250 | ● 34043 | ● 36196 |
| x 4,50 | 128,00 | 64,00 | 1,260 | ● 36286 | |
| 88,90 x 2,30 | 172,00 | 86,00 | 3,050 | ● 36197 | ● 36198 |
| x 3,20 | 172,00 | 86,00 | 2,800 | ● 30696 | |
| 114,30 x 2,60 | 210,00 | 105,00 | 5,100 | ● 36188 | ● 36189 |
| 168,30 x 2,60 | 286,00 | 143,00 | 8,320 | ● 36190 | |
| 219,10 x 2,90 | 356,00 | 178,00 | 23,200 | ● 36191 | ● 36192 |
| x 6,30 | 356,00 | 178,00 | 29,100 | ● 36193 | |
| 323,90 x 2,90 | 508,00 | 254,00 | 55,500 | ● 36284 | |



T-Stück
 geschweißte Ausführung,
 DIN EN 10253-4 Bauart A (DIN 2615-T1)
 T-piece
 welded,
 DIN EN 10253-4/A (DIN 2615-T1)

| Abm./Dim. | L mm | B mm | Kg/Stk/pc | EN 1.4404 Artikel-Nr. Article-No. |
|---------------|--------|--------|-----------|---|
| 21,30 x 2,00 | 50,00 | 25,00 | 0,090 | ● 36519 |
| 26,90 x 2,00 | 58,00 | 29,00 | 0,130 | ● 36520 |
| 33,70 x 2,00 | 76,00 | 38,00 | 0,190 | ● 36521 |
| 42,40 x 2,00 | 96,00 | 48,00 | 0,320 | ● 30900 |
| x 2,60 | 96,00 | 48,00 | 0,420 | ● 36522 |
| 48,30 x 2,00 | 114,00 | 57,00 | 0,460 | ● 30903 |
| x 2,60 | 114,00 | 57,00 | 0,590 | ● 36523 |
| 60,30 x 2,00 | 128,00 | 64,00 | 0,570 | ● 30904 |
| x 2,60 | 128,00 | 64,00 | 0,750 | ● 36524 |
| 76,10 x 2,30 | 152,00 | 76,00 | 1,120 | ● 36525 |
| 88,90 x 2,30 | 172,00 | 86,00 | 1,500 | ● 36526 |
| 114,30 x 2,60 | 210,00 | 105,00 | 2,600 | ● 36527 |
| 139,70 x 2,60 | 248,00 | 124,00 | 3,600 | ● 36528 |
| 168,30 x 2,60 | 286,00 | 143,00 | 4,740 | ● 36529 |
| 219,10 x 3,00 | 356,00 | 178,00 | 9,870 | ● 36530 |



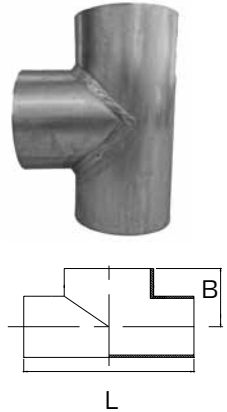
T-Stück

geschweißte Ausführung, analog DIN EN 10253 / DIN 2615

T-piece

welded, according to DIN EN 10253 / DIN 2615

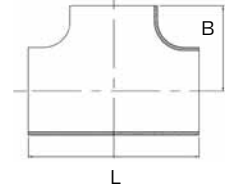
| Abm./Dim. | L mm | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|---------------|--------|--------|-----------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 26,90 x 2,00 | 58,00 | 29,00 | 0,114 | | ● 36246 |
| 33,70 x 2,00 | 76,00 | 38,00 | 0,190 | | ● 33880 |
| 42,40 x 2,00 | 96,00 | 48,00 | 0,238 | | ● 30931 |
| 54,00 x 2,00 | 128,00 | 64,00 | 0,500 | | ● 30908 |
| 60,30 x 2,00 | 128,00 | 64,00 | 0,666 | | ● 30910 |
| x 2,60 | 128,00 | 64,00 | 0,668 | | ● 30932 |
| 76,10 x 2,00 | 152,00 | 76,00 | 0,904 | | ● 30912 |
| 84,00 x 2,00 | 172,00 | 86,00 | 0,800 | | ● 30913 |
| 88,90 x 3,00 | 172,00 | 86,00 | 1,247 | | ● 30914 |
| 104,00 x 2,00 | 210,00 | 105,00 | 1,400 | | ● 30916 |
| 108,00 x 2,00 | 210,00 | 105,00 | 1,390 | ● 34675 | |
| x 3,00 | 210,00 | 105,00 | 1,950 | | ● 34812 |
| 114,30 x 2,00 | 210,00 | 105,00 | 2,030 | ● 33594 | |
| x 2,60 | 210,00 | 105,00 | 2,250 | | ● 30918 |
| x 3,00 | 210,00 | 105,00 | 2,313 | | ● 30917 |
| 129,00 x 2,00 | 248,00 | 124,00 | 2,100 | | ● 30919 |
| 139,70 x 2,60 | 248,00 | 124,00 | 3,900 | ● 33597 | |
| x 3,00 | 248,00 | 124,00 | 3,342 | | ● 30920 |
| 154,00 x 2,00 | 286,00 | 143,00 | 3,000 | | ● 30921 |
| 168,30 x 2,60 | 286,00 | 143,00 | 5,488 | | ● 30923 |
| x 3,00 | 286,00 | 143,00 | 4,900 | ● 33599 | ● 30922 |
| 204,00 x 2,00 | 356,00 | 178,00 | 4,600 | | ● 30924 |
| 219,10 x 3,00 | 356,00 | 178,00 | 9,300 | ● 33600 | ● 30925 |
| 254,00 x 2,00 | 432,00 | 216,00 | 7,616 | | ● 30926 |
| 273,00 x 3,00 | 432,00 | 216,00 | 11,000 | ● 33601 | ● 30927 |
| 323,90 x 3,00 | 508,00 | 254,00 | 19,000 | ● 33602 | ● 30928 |
| 355,60 x 3,00 | 558,00 | 279,00 | 17,630 | | ● 24117 |
| 406,40 x 3,00 | 610,00 | 305,00 | 22,000 | | ● 30929 |
| x 4,00 | 610,00 | 305,00 | 29,020 | | ● 31774 |
| 508,00 x 4,00 | 762,00 | 381,00 | 45,000 | | ● 32963 |
| 609,60 x 4,00 | 864,00 | 432,00 | 60,620 | | ● 31923 |



T-Stück
geschweißte Ausführung, DIN EN 10253-4 Bauart A (DIN 2615-T1),
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

T-piece
welded, DIN EN 10253-4/A (DIN 2615-T1),
AD 2000-W2/W10, HP8/3, VdTÜV 1252

| Abm./Dim. | L mm | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|---------------|--------|--------|-----------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 21,30 x 2,00 | 50,00 | 25,00 | 0,090 | ● 36260 | ● 36261 |
| 26,90 x 2,00 | 58,00 | 29,00 | 0,114 | ● 34852 | ● 30901 |
| x 2,30 | 58,00 | 29,00 | 0,185 | ● 36263 | ● 36264 |
| x 2,60 | 58,00 | 29,00 | 0,157 | | ● 30902 |
| 33,70 x 2,00 | 76,00 | 38,00 | 0,190 | ● 36267 | ● 36268 |
| x 2,60 | 76,00 | 38,00 | 0,250 | ● 36265 | ● 36266 |
| 42,40 x 2,00 | 96,00 | 48,00 | 0,320 | ● 34853 | ● 30905 |
| x 2,60 | 96,00 | 48,00 | 0,647 | | ● 33337 |
| 48,30 x 2,00 | 114,00 | 57,00 | 0,460 | ● 36271 | ● 36269 |
| x 2,60 | 114,00 | 57,00 | 0,647 | ● 36270 | ● 30906 |
| 60,30 x 2,00 | 128,00 | 64,00 | 0,610 | ● 36274 | ● 36275 |
| x 2,60 | 128,00 | 64,00 | 0,666 | | ● 30909 |
| x 2,90 | 128,00 | 64,00 | 0,830 | ● 36272 | ● 36273 |
| 76,10 x 2,30 | 152,00 | 76,00 | 0,991 | ● 36276 | ● 36277 |
| x 2,90 | 152,00 | 76,00 | 1,250 | | ● 36278 |
| 88,90 x 2,30 | 172,00 | 86,00 | 1,330 | ● 36279 | ● 36280 |
| x 2,90 | 172,00 | 86,00 | 1,676 | | ● 36281 |
| x 3,20 | 172,00 | 86,00 | 1,850 | ● 36282 | ● 36283 |
| 114,30 x 2,60 | 210,00 | 105,00 | 2,250 | ● 36252 | ● 36253 |
| x 3,00 | 210,00 | 105,00 | 2,670 | | ● 36254 |
| 139,70 x 2,60 | 248,00 | 124,00 | 3,800 | ● 30832 | ● 36255 |
| x 2,90 | 248,00 | 124,00 | 4,255 | | ● 36256 |
| 168,30 x 2,60 | 286,00 | 143,00 | 5,200 | ● 36257 | ● 36258 |
| x 3,00 | 286,00 | 143,00 | 6,000 | | ● 36259 |
| 219,10 x 2,90 | 356,00 | 178,00 | 10,154 | | ● 36262 |
| x 3,00 | 356,00 | 178,00 | 7,140 | ● 33913 | |



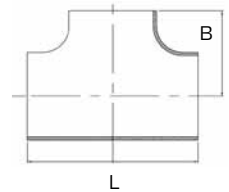
T-Stück

geschweißte Ausführung, mit reduziertem Abzweig, DIN EN 10253-4,
Bauart A (DIN 2615-T1), AD 2000-W2/W10, HP 8/3, VdTÜV 1252

T-piece

welded, with reduced branch, DIN EN 10253-4/A (DIN 2615-T1), AD 2000-W2/
W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-------------------------------|--------|--------|-----------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 26,90 x 2,00 / 21,30 x 2,00 | 58,00 | 29,00 | 0,150 | | ● 31324 |
| 33,70 x 2,00 / 21,30 x 1,60 | 76,00 | 38,00 | 0,280 | | ● 36236 |
| / 21,30 x 2,00 | 76,00 | 38,00 | 0,190 | | ● 31326 |
| / 26,90 x 2,00 | 76,00 | 38,00 | 0,280 | | ● 36237 |
| 42,40 x 2,00 / 26,90 x 2,00 | 96,00 | 48,00 | 0,320 | | ● 31328 |
| / 33,70 x 2,00 | 96,00 | 48,00 | 0,320 | | ● 36238 |
| 48,30 x 2,00 / 33,70 x 2,00 | 114,00 | 57,00 | 0,469 | ● 36239 | ● 36240 |
| / 42,40 x 2,00 | 114,00 | 57,00 | 0,300 | | ● 31329 |
| 60,30 x 2,00 / 33,70 x 2,00 | 128,00 | 51,00 | 0,497 | ● 36242 | ● 36243 |
| / 42,40 x 2,00 | 128,00 | 57,00 | 0,690 | | ● 31332 |
| / 48,30 x 2,00 | 128,00 | 60,00 | 0,690 | | ● 36244 |
| 60,30 x 2,90 / 48,30 x 2,60 | 128,00 | 60,00 | 0,690 | ● 36241 | |
| 76,10 x 2,30 / 33,70 x 2,00 | 152,00 | 57,00 | 0,720 | | ● 34592 |
| / 42,40 x 2,00 | 152,00 | 64,00 | 0,850 | | ● 34593 |
| / 48,30 x 2,00 | 152,00 | 67,00 | 0,920 | | ● 36245 |
| / 60,30 x 2,00 | 152,00 | 70,00 | 0,980 | | ● 31334 |
| 88,90 x 2,30 / 48,30 x 2,00 | 172,00 | 73,00 | 1,222 | | ● 36247 |
| / 60,30 x 2,00 | 172,00 | 76,00 | 1,220 | ● 36248 | ● 36249 |
| / 76,10 x 2,30 | 172,00 | 83,00 | 1,330 | | ● 36250 |
| 114,30 x 2,60 / 60,30 x 2,00 | 210,00 | 89,00 | 2,266 | ● 36231 | ● 36232 |
| / 76,10 x 2,30 | 210,00 | 95,00 | 2,600 | | ● 31337 |
| / 88,90 x 2,30 | 210,00 | 98,00 | 2,166 | | ● 36233 |
| 168,30 x 2,60 / 88,90 x 2,30 | 286,00 | 124,00 | 4,046 | | ● 36235 |
| / 114,30 x 2,60 | 286,00 | 130,00 | 5,200 | ● 30753 | ● 36234 |
| 219,10 x 2,90 / 114,30 x 2,60 | 356,00 | 156,00 | 9,525 | ● 31322 | ● 36285 |
| / 168,30 x 2,60 | 356,00 | 168,00 | 9,525 | ● 31323 | ● 31331 |



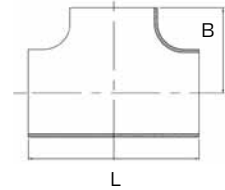
T-Stück

nahtlose Ausführung, mit reduziertem Abzweig, DIN EN 10253-4,
Bauart A (DIN 2615-T1), AD 2000-W2/W10, HP 8/3, VdTÜV 1252

T-piece

seamless, with reduced branch, DIN EN 10253-4/A (DIN 2615-T1),
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | B mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|------------------------------|--------|-------|-----------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 26,90 x 2,30 / 21,30 x 2,00 | 58,00 | 29,00 | 0,150 | | ● 36204 |
| 33,70 x 2,00 / 21,30 x 1,60 | 76,00 | 38,00 | 0,190 | ● 36199 | ● 36205 |
| / 21,30 x 2,00 | 76,00 | 38,00 | 0,193 | | ● 36206 |
| 33,70 x 2,60 / 21,30 x 2,00 | 76,00 | 38,00 | 0,280 | | ● 36207 |
| / 26,90 x 2,30 | 76,00 | 38,00 | 0,251 | | ● 36209 |
| 48,30 x 2,00 / 33,70 x 2,00 | 114,00 | 57,00 | 0,469 | ● 36200 | ● 36212 |
| 48,30 x 2,60 / 33,70 x 2,60 | 114,00 | 57,00 | 0,610 | | ● 36210 |
| / 42,40 x 2,60 | 114,00 | 57,00 | 0,640 | | ● 36211 |
| 60,30 x 2,00 / 33,70 x 2,00 | 128,00 | 51,00 | 0,497 | ● 36202 | ● 36215 |
| / 48,30 x 2,00 | 128,00 | 60,00 | 0,545 | ● 36203 | ● 36216 |
| 60,30 x 2,90 / 33,70 x 2,60 | 128,00 | 51,00 | 0,720 | | ● 36213 |
| / 48,30 x 2,60 | 128,00 | 60,00 | 0,790 | ● 36201 | ● 36214 |
| 88,90 x 2,30 / 76,10 x 2,30 | 172,00 | 83,00 | 1,330 | | ● 36217 |
| 114,30 x 3,60 / 60,30 x 2,90 | 210,00 | 89,00 | 3,100 | ● 30757 | |



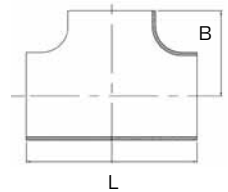
T-Stück

nahtlos, mit reduziertem Abzweig, voller Ausnutzungsgrad, DIN EN 10253-4
Bauart B (DIN 2615-T2), AD 2000-W2/W10, HP 8/3, VdTÜV 1252

T-piece

seamless, with reduced branch, full utilisation factor, DIN EN 10253-4/B
(DIN 2615-T2), AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | B mm | Kg/Stk./pc | EN 1.4541 | 1.4571 |
|-------------------------------|--------|--------|------------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 33,70 x 2,00 / 21,30 x 1,60 | 76,00 | 38,00 | 0,400 | | ● 36224 |
| 48,30 x 2,60 / 33,70 x 2,60 | 114,00 | 57,00 | 0,730 | ● 35849 | |
| 60,30 x 2,00 / 33,70 x 2,00 | 128,00 | 51,00 | 1,250 | | ● 36225 |
| 60,30 x 2,90 / 33,70 x 2,60 | 128,00 | 51,00 | 1,100 | ● 35822 | |
| 88,90 x 2,30 / 33,70 x 2,00 | 172,00 | 70,00 | 2,500 | | ● 36226 |
| / 48,30 x 2,00 | 172,00 | 73,00 | 2,852 | ● 36227 | ● 36228 |
| / 60,30 x 2,00 | 172,00 | 76,00 | 2,900 | ● 36229 | ● 36230 |
| 114,30 x 2,60 / 60,30 x 2,00 | 210,00 | 89,00 | 4,600 | ● 36218 | ● 36219 |
| / 88,90 x 2,30 | 210,00 | 98,00 | 4,700 | ● 36220 | ● 36221 |
| 168,30 x 2,60 / 88,90 x 2,60 | 286,00 | 120,00 | 11,000 | | ● 36223 |
| 219,10 x 2,90 / 168,30 x 2,60 | 356,00 | 168,00 | 22,700 | ● 36251 | |



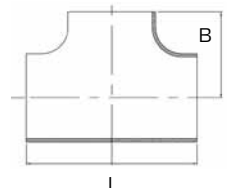
T-Stück

mit reduziertem Abzweig, mit eingeschweißtem Abgangsstutzen,
Baulänge analog DIN EN 10253-4/DIN 2615

T-piece

with reduced branch, with set-in extraction connection,
overall length according to DIN EN 10253-4/DIN 2615

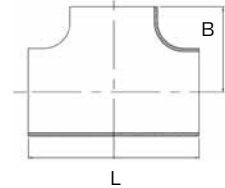
| Abm./Dim. | L mm | B mm | Kg/Stk./pc | EN 1.4571 |
|-------------------------------|--------|--------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 88,90 x 2,00 / 76,10 x 2,00 | 172,00 | 83,00 | 1,400 | ● 31336 |
| 114,30 x 3,00 / 76,10 x 3,00 | 210,00 | 98,00 | 2,100 | ● 31339 |
| / 88,90 x 3,00 | 210,00 | 95,00 | 2,200 | ● 31338 |
| 139,70 x 3,00 / 88,90 x 3,00 | 248,00 | 117,00 | 3,100 | ● 31341 |
| / 114,30 x 3,00 | 248,00 | 111,00 | 3,200 | ● 31340 |
| 168,30 x 3,00 / 88,90 x 3,00 | 286,00 | 137,00 | 4,100 | ● 31344 |
| / 114,30 x 3,00 | 286,00 | 130,00 | 4,200 | ● 31343 |
| / 139,70 x 3,00 | 286,00 | 124,00 | 4,300 | ● 31342 |
| 219,10 x 3,00 / 114,30 x 3,00 | 356,00 | 168,00 | 6,700 | ● 31347 |
| / 139,70 x 3,00 | 356,00 | 162,00 | 6,800 | ● 31346 |
| / 168,30 x 3,00 | 356,00 | 156,00 | 6,900 | ● 31345 |
| 273,00 x 3,00 / 114,30 x 3,00 | 432,00 | 184,00 | 11,500 | ● 31044 |
| / 168,30 x 3,00 | 432,00 | 194,00 | 11,500 | ● 31047 |



T-Stück
mit reduziertem Abzweig, mit eingeschweißtem Abgangsstutzen,
Baulänge analog DIN EN 10253-4/DIN 2615

T-piece
with reduced branch, with set-in extraction connection,
overall length according to DIN EN 10253-4/DIN 2615

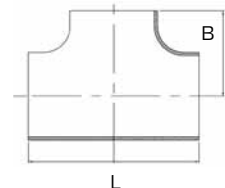
| Abm./Dim. | L mm | B mm | Kg/Stk./pc | EN 1.4571 |
|-------------------------------|--------|--------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 273,00 x 3,00 / 219,10 x 3,00 | 432,00 | 203,00 | 11,500 | ● 31048 |
| 323,90 x 3,00 / 168,30 x 3,00 | 508,00 | 219,00 | 15,500 | ● 31056 |
| / 219,10 x 3,00 | 508,00 | 229,00 | 15,500 | ● 31057 |
| / 273,00 x 3,00 | 508,00 | 241,00 | 13,800 | ● 30911 |
| 355,60 x 3,00 / 273,00 x 3,00 | 558,00 | 257,00 | 17,500 | ● 33912 |
| / 323,90 x 3,00 | 558,00 | 270,00 | 17,600 | ● 33914 |
| 406,30 x 3,00 / 219,10 x 3,00 | 610,00 | 273,00 | 22,500 | ● 30915 |
| / 273,00 x 3,00 | 610,00 | 283,00 | 22,500 | ● 31060 |
| / 323,90 x 3,00 | 610,00 | 295,00 | 22,500 | ● 31062 |



T-Stück
nahtlose und/oder geschweißte Ausführung, DIN EN 10253-4 Bauart A
oder DIN 2615-T1, AD 2000-W2/W10, HP 8/3, VdTÜV 1252

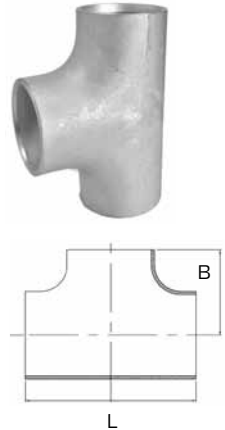
T-piece
seamless and/or welded, DIN EN 10253-4/A
or DIN 2615-T1, AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | B mm | Kg/Stk./pc | EN 1.4539 |
|---------------|--------|--------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 33,70 x 2,00 | 76,00 | 38,00 | 0,190 | ● 36578 |
| 48,30 x 2,00 | 114,00 | 57,00 | 0,460 | ● 36579 |
| 60,30 x 2,00 | 128,00 | 64,00 | 0,570 | ● 36580 |
| 88,90 x 2,30 | 172,00 | 86,00 | 0,940 | ● 36581 |
| 114,30 x 2,60 | 210,00 | 105,00 | 1,600 | ● 36582 |



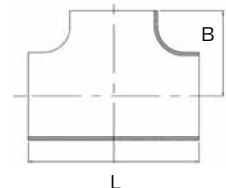
T-Stück
ASTM A 403,
ASME B16.9
T-piece
ASTM A 403,
ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | B mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|---------------|----------------------------|--------|--------|--------------|-----------------|-----------------|
| | | | | | Art.-No. | Art.-No. |
| 21,34 x 2,11 | 1/2" - SCH10 | 50,80 | 36,07 | 0,090 | ● 28700 | ● 28800 |
| x 2,77 | 1/2" - SCH40 | 50,80 | 36,07 | 0,181 | ● 28750 | ● 28850 |
| 26,67 x 2,11 | 3/4" - SCH10 | 57,40 | 42,04 | 0,129 | ● 28701 | ● 28801 |
| x 2,87 | 3/4" - SCH40 | 57,40 | 42,04 | 0,258 | ● 28751 | ● 28851 |
| 33,40 x 2,77 | 1" - SCH10 | 76,20 | 54,80 | 0,223 | ● 28702 | ● 28802 |
| x 3,38 | 1" - SCH40 | 76,20 | 54,80 | 0,256 | ● 28752 | ● 28852 |
| 42,16 x 2,77 | 1 1/4" - SCH10 | 95,50 | 68,83 | 0,356 | ● 28703 | ● 28803 |
| x 3,56 | 1 1/4" - SCH40 | 95,50 | 68,83 | 0,463 | ● 28753 | ● 28853 |
| 48,26 x 2,77 | 1 1/2" - SCH10 | 114,30 | 81,28 | 0,497 | ● 28704 | ● 28804 |
| x 3,68 | 1 1/2" - SCH40 | 114,30 | 81,28 | 0,648 | ● 28754 | ● 28854 |
| 60,33 x 2,77 | 2" - SCH10 | 127,00 | 93,67 | 0,681 | ● 28705 | ● 28805 |
| x 3,91 | 2" - SCH40 | 127,00 | 93,67 | 0,893 | ● 28755 | ● 28855 |
| 73,03 x 3,05 | 2 1/2" - SCH10 | 152,40 | 112,72 | 1,200 | ● 28706 | ● 28806 |
| x 5,16 | 2 1/2" - SCH40 | 152,40 | 112,72 | 1,980 | ● 28756 | ● 28856 |
| 88,90 x 3,05 | 3" - SCH10 | 171,70 | 130,30 | 1,570 | ● 28707 | ● 28807 |
| x 5,49 | 3" - SCH40 | 171,70 | 130,30 | 2,610 | ● 28757 | ● 28857 |
| 114,30 x 3,05 | 4" - SCH10 | 209,80 | 162,05 | 2,460 | ● 28708 | ● 28808 |
| x 6,02 | 4" - SCH40 | 209,80 | 162,05 | 4,760 | ● 28758 | ● 28858 |
| 141,30 x 3,40 | 5" - SCH10 | 247,90 | 194,60 | 4,040 | ● 36818 | ● 28809 |
| x 6,55 | 5" - SCH40 | 247,90 | 194,60 | 7,840 | ● 36819 | ● 36824 |
| 168,28 x 3,40 | 6" - SCH10 | 286,00 | 227,14 | 5,500 | ● 28709 | ● 28810 |
| x 7,11 | 6" - SCH40 | 286,00 | 227,14 | 9,540 | ● 28759 | ● 28859 |
| 219,08 x 3,76 | 8" - SCH10 | 355,60 | 287,34 | 11,070 | ● 36820 | ● 36825 |
| x 8,18 | 8" - SCH40 | 355,60 | 287,34 | 19,560 | ● 36821 | ● 36826 |



T-Stück
mit reduziertem Abzweig, ASTM A 403,
ASME B16.9
T-piece
with reduced branch, ASTM A 403,
ASME B16.9

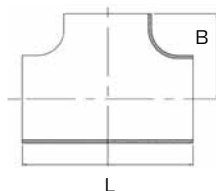
| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | B mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|-----------------------------|-------------------------------|--------|-------|--------------|-----------------|-----------------|
| | | | | | Art.-No. | Art.-No. |
| 26,67 x 2,11 / 21,34 x 2,11 | 3/4 x 3/4 x 1/2 - SCH10 | 57,40 | 42,04 | 0,123 | ● 28525 | ● 28625 |
| 26,67 x 2,87 / 21,34 x 2,77 | 3/4 x 3/4 x 1/2 - SCH40 | 57,40 | 42,04 | 0,200 | ● 28565 | ● 28665 |
| 33,40 x 2,77 / 21,34 x 2,11 | 1 x 1 x 1/2 - SCH10 | 76,20 | 54,80 | 0,204 | ● 28526 | ● 28626 |
| / 26,67 x 2,11 | 1 x 1 x 3/4 - SCH10 | 76,20 | 54,80 | 0,212 | ● 28527 | ● 28627 |
| 33,40 x 3,38 / 21,34 x 2,77 | 1 x 1 x 1/2 - SCH40 | 76,20 | 54,80 | 0,234 | ● 28656 | ● 28666 |
| / 26,67 x 2,87 | 1 x 1 x 3/4 - SCH40 | 76,20 | 54,80 | 0,244 | ● 28567 | ● 28667 |
| 42,16 x 2,77 / 21,34 x 2,11 | 1 1/4 x 1 1/4 x 1/2 - SCH10 | 95,50 | 68,83 | 0,310 | ● 36827 | ● 36876 |
| / 26,67 x 2,11 | 1 1/4 x 1 1/4 x 3/4 - SCH10 | 95,50 | 68,83 | 0,327 | ● 36829 | ● 36878 |
| / 33,40 x 2,77 | 1 1/4 x 1 1/4 x 1 - SCH10 | 95,50 | 68,83 | 0,339 | ● 28528 | ● 31330 |
| 42,16 x 3,56 / 21,34 x 2,87 | 1 1/4 x 1 1/4 x 1/2 - SCH40 | 95,50 | 68,83 | 0,380 | ● 36828 | ● 36877 |
| / 26,67 x 2,87 | 1 1/4 x 1 1/4 x 3/4 - SCH40 | 95,50 | 68,83 | 0,423 | ● 36830 | ● 36879 |
| / 33,40 x 3,38 | 1 1/4 x 1 1/4 x 1 - SCH40 | 95,50 | 68,83 | 0,441 | ● 28568 | ● 28668 |
| 48,26 x 2,77 / 21,34 x 2,11 | 1 1/2 x 1 1/2 x 1/2 - SCH10 | 114,30 | 81,28 | 0,431 | ● 36833 | ● 36882 |
| / 26,67 x 2,11 | 1 1/2 x 1 1/2 x 3/4 - SCH10 | 114,30 | 81,28 | 0,446 | ● 36831 | ● 36880 |
| / 33,40 x 2,77 | 1 1/2 x 1 1/2 x 1 - SCH10 | 114,30 | 81,28 | 0,461 | ● 28530 | ● 28640 |
| / 42,16 x 2,77 | 1 1/2 x 1 1/2 x 1 1/4 - SCH10 | 114,30 | 81,28 | 0,482 | ● 28529 | ● 28629 |
| 48,26 x 3,68 / 21,34 x 2,77 | 1 1/2 x 1 1/2 x 1/2 - SCH40 | 114,30 | 81,28 | 0,561 | ● 36834 | ● 36883 |
| / 26,67 x 2,87 | 1 1/2 x 1 1/2 x 3/4 - SCH40 | 114,30 | 81,28 | 0,578 | ● 36832 | ● 36881 |
| / 33,40 x 3,38 | 1 1/2 x 1 1/2 x 1 - SCH40 | 114,30 | 81,28 | 0,600 | ● 28570 | ● 28669 |
| / 42,16 x 3,56 | 1 1/2 x 1 1/2 x 1 1/4 - SCH40 | 114,30 | 81,28 | 0,629 | ● 28569 | ● 28670 |
| 60,32 x 2,77 / 21,34 x 2,11 | 2 x 2 x 1/2 - SCH10 | 127,00 | 80,96 | 0,640 | ● 36835 | ● 36884 |
| / 26,67 x 2,77 | 2 x 2 x 3/4 - SCH10 | 127,00 | 74,61 | 0,702 | ● 36837 | ● 36886 |
| / 33,40 x 2,77 | 2 x 2 x 1 - SCH10 | 127,00 | 80,96 | 0,725 | ● 28531 | ● 28630 |
| / 42,16 x 2,77 | 2 x 2 x 1 1/4 - SCH10 | 127,00 | 87,31 | 0,747 | ● 28532 | ● 28631 |
| / 48,26 x 2,77 | 2 x 2 x 1 1/2 - SCH10 | 127,00 | 90,61 | 0,766 | ● 28533 | ● 28632 |
| 60,32 x 3,91 / 21,34 x 2,77 | 2 x 2 x 1/2 - SCH40 | 127,00 | 80,96 | 0,866 | ● 36836 | ● 36885 |
| / 26,67 x 2,87 | 2 x 2 x 3/4 - SCH40 | 127,00 | 74,61 | 1,110 | ● 36838 | ● 36887 |



T-Stück
mit reduziertem Abzweig, ASTM A 403,
ASME B16.9

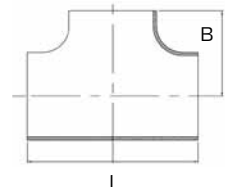
T-piece
with reduced branch, ASTM A 403,
ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | B mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|------------------------------|-------------------------------|--------|--------|--------------|-----------------|-----------------|
| | | | | | Art.-No. | Art.-No. |
| 60,32 x 3,91 / 33,40 x 3,38 | 2 x 2 x 1 - SCH40 | 127,00 | 80,96 | 1,140 | ● 28571 | ● 28671 |
| / 42,16 x 3,56 | 2 x 2 x 1 1/4 - SCH40 | 127,00 | 87,31 | 1,180 | ● 28572 | ● 28672 |
| / 48,26 x 3,68 | 2 x 2 x 1 1/2 - SCH40 | 127,00 | 90,61 | 1,230 | ● 28573 | ● 28673 |
| 73,02 x 3,05 / 33,40 x 2,77 | 2 1/2 x 2 1/2 x 1 - SCH10 | 152,40 | 93,66 | 1,070 | ● 36839 | ● 36888 |
| / 42,16 x 2,77 | 2 1/2 x 2 1/2 x 1 1/4 - SCH10 | 152,40 | 100,51 | 1,080 | ● 36845 | ● 36894 |
| / 48,26 x 2,77 | 2 1/2 x 2 1/2 x 1 1/2 - SCH10 | 152,40 | 103,31 | 1,180 | ● 36843 | ● 36892 |
| / 60,32 x 2,77 | 2 1/2 x 2 1/2 x 2 - SCH10 | 152,40 | 106,36 | 1,210 | ● 36841 | ● 36890 |
| 73,02 x 5,16 / 33,40 x 3,38 | 2 1/2 x 2 1/2 x 1 - SCH40 | 152,40 | 93,66 | 1,810 | ● 36840 | ● 36889 |
| / 42,16 x 3,56 | 2 1/2 x 2 1/2 x 1 1/4 - SCH40 | 152,40 | 100,51 | 1,890 | ● 36846 | ● 36895 |
| / 48,26 x 3,68 | 2 1/2 x 2 1/2 x 1 1/2 - SCH40 | 152,40 | 103,31 | 2,080 | ● 36844 | ● 36893 |
| / 60,32 x 3,91 | 2 1/2 x 2 1/2 x 2 - SCH40 | 152,40 | 106,36 | 2,120 | ● 36842 | ● 36891 |
| 88,90 x 3,05 / 33,40 x 2,77 | 3 x 3 x 1 - SCH10 | 171,70 | 114,30 | 1,380 | ● 36847 | ● 36896 |
| / 42,16 x 2,77 | 3 x 3 x 1 1/4 - SCH10 | 171,70 | 114,30 | 1,450 | ● 36849 | ● 36898 |
| / 48,26 x 2,77 | 3 x 3 x 1 1/2 - SCH10 | 171,70 | 117,60 | 1,600 | ● 37430 | ● 36900 |
| / 60,32 x 2,77 | 3 x 3 x 2 - SCH10 | 171,70 | 120,65 | 1,630 | ● 28534 | ● 28633 |
| / 73,02 x 3,05 | 3 x 3 x 2 1/2 - SCH10 | 171,70 | 127,00 | 1,690 | ● 36851 | ● 28634 |
| 88,90 x 5,49 / 33,40 x 3,38 | 3 x 3 x 1 - SCH40 | 171,70 | 114,30 | 2,460 | ● 36848 | ● 36897 |
| / 42,16 x 3,56 | 3 x 3 x 1 1/4 - SCH40 | 171,70 | 114,30 | 2,600 | ● 36850 | ● 36899 |
| / 48,26 x 3,68 | 3 x 3 x 1 1/2 - SCH40 | 171,70 | 117,60 | 2,980 | ● 36853 | ● 36901 |
| / 60,32 x 3,91 | 3 x 3 x 2 - SCH40 | 171,70 | 120,65 | 3,010 | ● 28574 | ● 28674 |
| / 73,02 x 5,16 | 3 x 3 x 2 1/2 - SCH40 | 171,70 | 127,00 | 3,150 | ● 36852 | ● 28675 |
| 114,30 x 3,05 / 48,26 x 2,77 | 4 x 4 x 1 1/2 - SCH10 | 209,80 | 143,00 | 2,510 | ● 36858 | ● 36908 |
| / 60,32 x 2,77 | 4 x 4 x 2 - SCH10 | 209,80 | 146,05 | 2,530 | ● 28536 | ● 28635 |
| / 73,02 x 3,05 | 4 x 4 x 2 1/2 - SCH10 | 209,80 | 152,40 | 2,590 | ● 28537 | ● 28636 |
| / 88,90 x 3,05 | 4 x 4 x 3 - SCH10 | 209,80 | 155,70 | 2,610 | ● 28538 | ● 28637 |
| / 101,60 x 3,05 | 4 x 4 x 3 1/2 - SCH10 | 209,80 | 159,00 | 2,790 | ● 36860 | ● 36910 |
| 114,30 x 6,02 / 48,26 x 3,68 | 4 x 4 x 1 1/2 - SCH40 | 209,80 | 143,00 | 5,040 | ● 36859 | ● 36909 |



T-Stück
mit reduziertem Abzweig, ASTM A 403,
ASME B16.9
T-piece
with reduced branch, ASTM A 403,
ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | B mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|-------------------------------|----------------------------|--------|--------|--------------|-----------------|-----------------|
| | | | | | Art.-No. | Art.-No. |
| 114,30 x 6,02 / 60,32 x 3,91 | 4 x 4 x 2 - SCH40 | 209,80 | 146,05 | 5,080 | ● 30907 | ● 28676 |
| / 73,02 x 5,16 | 4 x 4 x 2 1/2 - SCH40 | 209,80 | 152,40 | 5,220 | ● 28577 | ● 28677 |
| / 88,90 x 5,49 | 4 x 4 x 3 - SCH40 | 209,80 | 155,70 | 5,270 | ● 28578 | ● 28678 |
| / 101,60 x 5,74 | 4 x 4 x 3 1/2 - SCH40 | 209,80 | 159,00 | 4,700 | ● 36861 | ● 36911 |
| 141,30 x 3,40 / 88,90 x 3,05 | 5 x 5 x 3 - SCH10 | 247,90 | 181,90 | 4,170 | ● 36862 | ● 36912 |
| / 114,30 x 3,05 | 5 x 5 x 4 - SCH10 | 247,90 | 188,25 | 4,240 | ● 36864 | ● 36914 |
| 141,30 x 6,55 / 88,90 x 5,49 | 5 x 5 x 3 - SCH40 | 247,90 | 181,90 | 8,130 | ● 36863 | ● 36913 |
| / 114,30 x 6,02 | 5 x 5 x 4 - SCH40 | 247,90 | 188,25 | 8,360 | ● 36865 | ● 36915 |
| 168,27 x 3,40 / 60,32 x 2,77 | 6 x 6 x 2 - SCH10 | 286,00 | 201,49 | 5,930 | ● 36866 | ● 36916 |
| / 73,02 x 3,05 | 6 x 6 x 2 1/2 - SCH10 | 286,00 | 204,79 | 5,690 | ● 36868 | ● 36918 |
| / 88,90 x 3,05 | 6 x 6 x 3 - SCH10 | 286,00 | 208,09 | 5,750 | ● 28539 | ● 28638 |
| / 114,30 x 3,05 | 6 x 6 x 4 - SCH10 | 286,00 | 214,44 | 5,850 | ● 28540 | ● 28639 |
| / 141,30 x 3,40 | 6 x 6 x 5 - SCH10 | 286,00 | 246,19 | 5,920 | ● 36870 | ● 36920 |
| 168,27 x 7,11 / 60,32 x 3,91 | 6 x 6 x 2 - SCH40 | 286,00 | 201,49 | 10,010 | ● 36867 | ● 36917 |
| / 73,02 x 5,16 | 6 x 6 x 2 1/2 - SCH40 | 286,00 | 204,79 | 11,870 | ● 36869 | ● 36919 |
| / 88,90 x 5,49 | 6 x 6 x 3 - SCH40 | 286,00 | 208,09 | 11,920 | ● 28579 | ● 28679 |
| / 114,30 x 6,02 | 6 x 6 x 4 - SCH40 | 286,00 | 214,44 | 12,100 | ● 28580 | ● 28680 |
| / 141,30 x 6,44 | 6 x 6 x 5 - SCH40 | 286,00 | 246,19 | 12,340 | ● 36871 | ● 36921 |
| 219,08 x 3,76 / 114,30 x 3,05 | 8 x 8 x 4 - SCH10 | 355,60 | 265,24 | 9,800 | ● 36872 | ● 36922 |
| / 168,27 x 3,40 | 8 x 8 x 6 - SCH10 | 355,60 | 277,94 | 9,900 | ● 36874 | ● 36924 |
| 219,08 x 8,18 / 114,30 x 6,02 | 8 x 8 x 4 - SCH40 | 355,60 | 265,24 | 21,260 | ● 36873 | ● 36923 |
| / 168,27 x 7,11 | 8 x 8 x 6 - SCH40 | 355,60 | 277,94 | 21,620 | ● 36875 | ● 36925 |



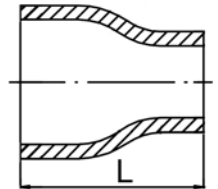
Konzentrisches Reduzierstück
nahtlose Ausführung, EN 10253-4 -s- Bauart B,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

Concentric reducer

seamless, EN 10253-4/B -s-,

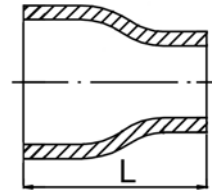
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-----------------------------|-------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 21,30 x 2,00 / 17,20 x 1,60 | 38,00 | 0,030 | | ● 35992 |
| 26,90 x 1,60 / 21,30 x 1,60 | 38,00 | 0,040 | ● 35996 | ● 35997 |
| 26,90 x 2,00 / 17,20 x 1,60 | 38,00 | 0,050 | | ● 35999 |
| / 21,30 x 2,00 | 38,00 | 0,036 | | ● 36000 |
| 26,90 x 2,30 / 21,30 x 2,00 | 38,00 | 0,050 | | ● 35998 |
| 33,70 x 2,00 / 21,30 x 1,60 | 51,00 | 0,080 | ● 36001 | ● 36005 |
| / 21,30 x 2,00 | 51,00 | 0,080 | | ● 36006 |
| / 26,90 x 1,60 | 51,00 | 0,080 | ● 36002 | ● 36007 |
| / 26,90 x 2,00 | 51,00 | 0,080 | | ● 36008 |
| 33,70 x 2,30 / 26,90 x 2,00 | 51,00 | 0,089 | ● 36003 | |
| 33,70 x 2,60 / 26,90 x 2,30 | 51,00 | 0,100 | | ● 36004 |
| 42,40 x 2,00 / 21,30 x 1,60 | 51,00 | 0,100 | | ● 36011 |
| / 26,90 x 2,00 | 51,00 | 0,100 | | ● 36012 |
| / 33,70 x 2,00 | 51,00 | 0,100 | ● 36009 | ● 36013 |
| 42,40 x 2,60 / 33,70 x 2,60 | 51,00 | 0,130 | | ● 36010 |
| 48,30 x 2,00 / 21,30 x 1,60 | 64,00 | 0,150 | | ● 36016 |
| / 26,90 x 1,60 | 64,00 | 0,140 | | ● 36017 |
| / 26,90 x 2,00 | 64,00 | 0,150 | | ● 36018 |
| / 33,70 x 2,00 | 64,00 | 0,150 | ● 36014 | ● 36019 |
| / 42,40 x 2,00 | 64,00 | 0,150 | ● 36020 | ● 36021 |
| 48,30 x 2,60 / 33,70 x 2,60 | 64,00 | 0,180 | ● 36015 | ● 31120 |
| 60,30 x 2,00 / 21,30 x 1,60 | 76,00 | 0,210 | | ● 36027 |
| / 26,90 x 1,60 | 76,00 | 0,210 | | ● 36028 |
| / 33,70 x 2,00 | 76,00 | 0,210 | ● 36029 | ● 36030 |
| / 42,40 x 2,00 | 76,00 | 0,230 | ● 36022 | ● 36031 |
| / 48,30 x 2,00 | 76,00 | 0,230 | ● 36023 | ● 36032 |
| 60,30 x 2,60 / 33,70 x 2,00 | 76,00 | 0,260 | ● 36024 | |
| / 48,30 x 2,30 | 76,00 | 0,269 | ● 36025 | |
| 60,30 x 2,90 / 33,70 x 2,60 | 76,00 | 0,290 | | ● 36109 |
| / 42,40 x 2,60 | 76,00 | 0,276 | | ● 31122 |
| / 48,30 x 2,60 | 76,00 | 0,286 | | ● 31121 |
| 76,10 x 2,30 / 33,70 x 2,00 | 89,00 | 0,360 | | ● 36033 |
| / 42,40 x 2,00 | 89,00 | 0,360 | ● 36034 | ● 36035 |
| / 48,30 x 2,00 | 89,00 | 0,390 | ● 36036 | ● 36037 |
| / 60,30 x 2,00 | 89,00 | 0,390 | | ● 36038 |



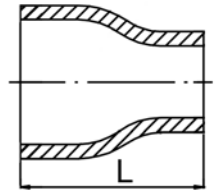
Konzentrisches Reduzierstück
nahtlose Ausführung, EN 10253-4 -s- Bauart B,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252
Concentric reducer
seamless, EN 10253-4/B -s-,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-------------------------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 76,10 x 2,90 / 48,30 x 2,60 | 89,00 | 0,419 | | ● 31124 |
| / 60,30 x 2,90 | 89,00 | 0,450 | | ● 36039 |
| 88,90 x 2,30 / 33,70 x 2,00 | 89,00 | 0,407 | ● 36040 | ● 36041 |
| / 42,40 x 2,00 | 89,00 | 0,407 | | ● 36042 |
| / 48,30 x 2,00 | 89,00 | 0,407 | ● 36043 | ● 36044 |
| / 60,30 x 2,00 | 89,00 | 0,434 | ● 36045 | ● 36046 |
| / 76,10 x 2,30 | 89,00 | 0,440 | ● 36047 | ● 36048 |
| 88,90 x 2,90 / 48,30 x 2,00 | 89,00 | 0,513 | | ● 36129 |
| / 60,30 x 2,00 | 89,00 | 0,513 | ● 36130 | ● 36131 |
| 88,90 x 3,20 / 60,30 x 2,90 | 89,00 | 0,543 | | ● 31126 |
| / 76,10 x 2,90 | 89,00 | 0,524 | | ● 31125 |
| 114,30 x 2,60 / 33,70 x 2,00 | 102,00 | 0,650 | | ● 35973 |
| / 48,30 x 2,00 | 102,00 | 0,650 | ● 35974 | ● 35975 |
| / 60,30 x 2,00 | 102,00 | 0,650 | | ● 35977 |
| / 76,10 x 2,30 | 102,00 | 0,690 | | ● 35978 |
| / 88,90 x 2,30 | 102,00 | 0,690 | | ● 35979 |
| 114,30 x 3,60 / 60,30 x 2,90 | 120,00 | 0,955 | ● 36058 | |
| / 76,10 x 2,90 | 102,00 | 0,955 | ● 36059 | ● 31055 |
| / 88,90 x 3,20 | 102,00 | 0,955 | ● 36060 | ● 35980 |
| 139,70 x 2,60 / 60,30 x 2,00 | 127,00 | 1,040 | | ● 35983 |
| / 76,10 x 2,30 | 127,00 | 1,041 | | ● 35984 |
| / 88,90 x 2,30 | 127,00 | 1,094 | | ● 35985 |
| / 114,30 x 2,60 | 127,00 | 1,210 | | ● 35982 |
| 168,30 x 2,60 / 60,30 x 2,00 | 140,00 | 1,578 | | ● 35988 |
| / 76,10 x 2,30 | 140,00 | 1,578 | | ● 35989 |
| / 88,90 x 2,30 | 140,00 | 1,579 | ● 35990 | ● 35991 |
| / 114,30 x 2,60 | 140,00 | 1,614 | | ● 35986 |
| / 139,70 x 2,60 | 140,00 | 1,614 | | ● 35987 |
| 168,30 x 4,50 / 114,30 x 3,60 | 140,00 | 2,860 | ● 36072 | |
| 219,10 x 2,90 / 114,30 x 2,60 | 152,00 | 2,809 | | ● 35993 |
| / 139,70 x 2,60 | 152,00 | 2,990 | | ● 35994 |
| / 168,30 x 2,60 | 152,00 | 2,990 | | ● 35995 |



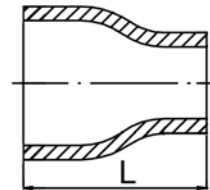
Konzentrisches Reduzierstück
geschweißte oder nahtlose Ausführung,
EN 10253-4 -w- Bauart B
Concentric reducer
welded or seamless,
EN 10253-4/B -w-

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4404 |
|-------------------------------|--------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 26,90 x 2,00 / 21,30 x 2,00 | 38,00 | 0,050 | ● 36531 |
| 33,70 x 2,00 / 21,30 x 2,00 | 51,00 | 0,080 | ● 31040 |
| / 26,90 x 2,00 | 51,00 | 0,080 | ● 36532 |
| 42,40 x 2,00 / 33,70 x 2,00 | 51,00 | 0,130 | ● 36533 |
| 48,30 x 2,00 / 33,70 x 2,00 | 64,00 | 0,150 | ● 31051 |
| / 42,40 x 2,00 | 64,00 | 0,160 | ● 36534 |
| 60,30 x 2,00 / 33,70 x 2,00 | 76,00 | 0,210 | ● 31052 |
| / 48,30 x 2,00 | 76,00 | 0,300 | ● 36535 |
| 76,10 x 2,30 / 60,30 x 2,00 | 89,00 | 0,470 | ● 36536 |
| 88,90 x 2,30 / 60,30 x 2,00 | 89,00 | 0,490 | ● 31053 |
| / 76,10 x 2,30 | 89,00 | 0,600 | ● 36537 |
| 114,30 x 2,60 / 88,90 x 2,30 | 102,00 | 0,900 | ● 36538 |
| 139,70 x 2,60 / 114,30 x 2,60 | 127,00 | 1,250 | ● 36539 |
| 168,30 x 2,60 / 114,30 x 2,60 | 140,00 | 1,700 | ● 31054 |
| / 139,70 x 2,60 | 140,00 | 1,800 | ● 36540 |
| 219,10 x 2,90 / 168,30 x 2,60 | 152,00 | 1,520 | ● 36541 |



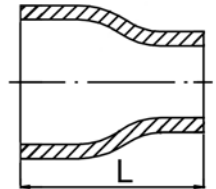
Konzentrisches Reduzierstück
 geschweißte und/oder nahtlose Ausführung,
 DIN 2606/DIN 2609 und/oder DIN EN 10253-4-B
 Concentric reducer
 welded and/or seamless,
 DIN 2606/DIN 2609 and/or DIN EN 10253-4-B

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4539 |
|------------------------------|--------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 33,70 x 2,00 / 21,30 x 2,00 | 51,00 | 0,086 | ● 36583 |
| / 26,90 x 2,00 | 51,00 | 0,080 | ● 31118 |
| 48,30 x 2,00 / 33,70 x 2,00 | 64,00 | 0,150 | ● 36584 |
| / 42,40 x 2,00 | 64,00 | 0,150 | ● 31119 |
| 60,30 x 2,00 / 33,70 x 2,00 | 76,00 | 0,210 | ● 36585 |
| / 42,40 x 2,00 | 76,00 | 0,230 | ● 31123 |
| / 48,30 x 2,00 | 76,00 | 0,230 | ● 36586 |
| 88,90 x 2,30 / 60,30 x 2,00 | 89,00 | 0,490 | ● 36587 |
| / 76,10 x 2,30 | 89,00 | 0,490 | ● 31239 |
| 114,30 x 2,60 / 76,10 x 2,30 | 102,00 | 0,690 | ● 31333 |
| / 88,90 x 2,30 | 102,00 | 0,690 | ● 36588 |



Konzentrisches Reduzierstück
geschweißte Ausführung,
EN 10253-4 -w- Bauart B
Concentric reducer
welded,
EN 10253-4/B -w-

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4307 |
|-------------------------------|--------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 26,90 x 2,00 / 21,30 x 2,00 | 38,00 | 0,057 | ● 34993 |
| 33,70 x 2,00 / 21,30 x 2,00 | 51,00 | 0,086 | ● 34994 |
| / 26,90 x 2,00 | 51,00 | 0,080 | ● 33554 |
| 42,40 x 2,00 / 21,30 x 2,00 | 51,00 | 0,117 | ● 34995 |
| / 26,90 x 2,00 | 51,00 | 0,100 | ● 33556 |
| / 33,70 x 2,00 | 51,00 | 0,100 | ● 33555 |
| 48,30 x 2,00 / 26,90 x 2,00 | 64,00 | 0,167 | ● 34996 |
| / 33,70 x 2,00 | 64,00 | 0,150 | ● 33559 |
| / 42,40 x 2,00 | 64,00 | 0,150 | ● 33558 |
| 48,30 x 2,60 / 33,70 x 2,60 | 64,00 | 0,167 | ● 34997 |
| 60,30 x 2,00 / 33,70 x 2,00 | 76,00 | 0,230 | ● 33563 |
| / 42,40 x 2,00 | 76,00 | 0,230 | ● 33562 |
| / 48,30 x 2,00 | 76,00 | 0,230 | ● 33561 |
| 76,10 x 2,30 / 42,40 x 2,00 | 89,00 | 0,390 | ● 33566 |
| / 48,30 x 2,00 | 89,00 | 0,390 | ● 33565 |
| / 60,30 x 2,00 | 89,00 | 0,390 | ● 33564 |
| 88,90 x 2,30 / 48,30 x 2,00 | 89,00 | 0,490 | ● 33569 |
| / 60,30 x 2,00 | 89,00 | 0,490 | ● 33568 |
| / 76,10 x 2,00 | 89,00 | 0,490 | ● 33567 |
| 114,30 x 2,60 / 60,30 x 2,00 | 102,00 | 0,690 | ● 33572 |
| / 76,10 x 2,30 | 102,00 | 0,690 | ● 33571 |
| / 88,90 x 2,30 | 102,00 | 0,690 | ● 33570 |
| 139,70 x 2,60 / 76,10 x 2,30 | 127,00 | 1,160 | ● 33575 |
| 168,30 x 2,60 / 114,30 x 2,60 | 140,00 | 1,800 | ● 33577 |
| / 139,70 x 2,60 | 140,00 | 1,365 | ● 33747 |



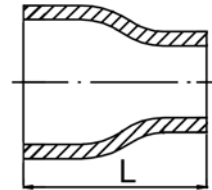
Konzentrisches Reduzierstück
geschweißte Ausführung, EN 10253-4 -w- Bauart B,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

Concentric reducer

welded, EN 10253-4/B -w-,

AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|------------------------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 26,90 x 1,60 / 21,30 x 1,60 | 38,00 | 0,050 | ● 36079 | |
| 26,90 x 2,00 / 21,30 x 2,00 | 38,00 | 0,050 | ● 33551 | ● 31037 |
| 33,70 x 2,00 / 21,30 x 1,60 | 51,00 | 0,080 | ● 36091 | ● 36092 |
| / 21,30 x 2,00 | 51,00 | 0,080 | ● 33553 | ● 31039 |
| / 26,90 x 1,60 | 51,00 | 0,080 | ● 36093 | |
| / 26,90 x 2,00 | 51,00 | 0,080 | ● 33552 | ● 31038 |
| 33,70 x 2,30 / 21,30 x 1,60 | 51,00 | 0,080 | ● 36088 | |
| / 26,90 x 2,00 | 51,00 | 0,092 | ● 36089 | |
| 33,70 x 2,60 / 26,90 x 2,30 | 51,00 | 0,100 | | ● 36090 |
| 42,40 x 2,00 / 21,30 x 2,00 | 51,00 | 0,100 | ● 33557 | ● 31041 |
| / 26,90 x 2,00 | 51,00 | 0,113 | ● 34998 | ● 31042 |
| / 33,70 x 2,00 | 51,00 | 0,100 | ● 36094 | ● 36095 |
| 42,40 x 2,60 / 26,90 x 2,30 | 51,00 | 0,100 | | ● 34999 |
| 48,30 x 2,00 / 26,90 x 1,60 | 64,00 | 0,120 | | ● 36098 |
| / 26,90 x 2,00 | 64,00 | 0,150 | ● 33560 | ● 31045 |
| / 33,70 x 2,00 | 64,00 | 0,120 | ● 36099 | ● 36100 |
| / 42,40 x 2,00 | 64,00 | 0,150 | ● 36101 | ● 36102 |
| 48,30 x 2,60 / 33,70 x 2,60 | 64,00 | 0,169 | ● 36097 | |
| 60,30 x 2,00 / 21,30 x 2,00 | 76,00 | 0,210 | | ● 36110 |
| / 26,90 x 2,00 | 76,00 | 0,200 | | ● 36111 |
| / 33,70 x 2,00 | 76,00 | 0,210 | ● 36112 | ● 36113 |
| / 42,40 x 2,00 | 76,00 | 0,230 | ● 36104 | ● 36114 |
| / 48,30 x 2,00 | 76,00 | 0,230 | ● 36115 | ● 36116 |
| 60,30 x 2,60 / 33,70 x 2,00 | 76,00 | 0,234 | ● 36106 | |
| / 42,40 x 2,00 | 76,00 | 0,270 | ● 36107 | |
| / 48,30 x 2,30 | 76,00 | 0,273 | ● 36108 | |
| 76,10 x 2,30 / 42,40 x 2,00 | 89,00 | 0,360 | ● 36117 | ● 31049 |
| / 48,30 x 2,00 | 89,00 | 0,390 | ● 36118 | ● 36119 |
| / 60,30 x 2,00 | 89,00 | 0,390 | ● 36120 | ● 36121 |
| 88,90 x 2,30 / 48,30 x 2,00 | 89,00 | 0,407 | ● 36122 | ● 36123 |
| / 60,30 x 2,00 | 89,00 | 0,434 | ● 36124 | ● 36125 |
| / 76,10 x 2,30 | 89,00 | 0,434 | ● 36126 | ● 36127 |
| 88,90 x 2,90 / 48,30 x 2,00 | 89,00 | 0,460 | ● 36128 | |
| 114,30 x 2,60 / 48,30 x 2,00 | 102,00 | 0,650 | | ● 36051 |
| / 60,30 x 2,00 | 102,00 | 0,650 | ● 36052 | ● 36053 |



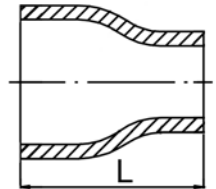
Konzentrisches Reduzierstück
geschweißte Ausführung, EN 10253-4 -w- Bauart B,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

Concentric reducer

welded, EN 10253-4/B -w-,

AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-------------------------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 114,30 x 2,60 / 76,10 x 2,30 | 102,00 | 0,690 | ● 36054 | ● 36055 |
| / 88,90 x 2,30 | 102,00 | 0,690 | ● 36056 | ● 36057 |
| 139,70 x 2,60 / 76,10 x 2,30 | 127,00 | 1,041 | | ● 36064 |
| / 88,90 x 2,30 | 127,00 | 1,220 | ● 33574 | ● 36065 |
| / 114,30 x 2,60 | 127,00 | 1,250 | ● 33573 | ● 36062 |
| 168,30 x 2,60 / 76,10 x 2,30 | 140,00 | 1,740 | | ● 34107 |
| / 88,90 x 2,30 | 140,00 | 1,579 | ● 36070 | ● 36071 |
| / 114,30 x 2,60 | 140,00 | 1,615 | ● 36066 | ● 36067 |
| / 139,70 x 2,60 | 140,00 | 1,615 | ● 36068 | ● 36069 |
| 219,10 x 2,90 / 114,30 x 2,60 | 152,00 | 2,809 | ● 36073 | ● 36074 |
| / 139,70 x 2,60 | 152,00 | 2,977 | | ● 36075 |
| / 168,30 x 2,60 | 152,00 | 2,990 | ● 36076 | ● 36077 |
| 219,10 x 3,20 / 114,30 x 2,90 | 152,00 | 3,100 | ● 36078 | |
| 273,00 x 2,90 / 168,30 x 2,60 | 178,00 | 2,940 | ● 36080 | ● 36081 |
| / 219,10 x 2,90 | 178,00 | 3,280 | ● 36082 | ● 36083 |
| 323,90 x 2,90 / 219,10 x 2,90 | 203,00 | 4,130 | ● 36084 | ● 36085 |
| / 273,00 x 2,90 | 203,00 | 4,540 | | ● 36086 |
| 323,90 x 3,20 / 168,30 x 2,60 | 203,00 | 4,150 | ● 36087 | |



Konzentrisches Reduzierstück

aus Blech gerollt, mit Längsnaht, ohne zylindrische Enden,

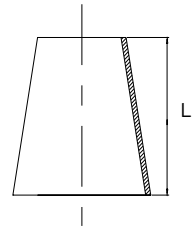
Baulänge nach DIN 2606 / DIN EN 10253 bzw. D-dx3

Concentric reducer

rolled from sheet, with longitudinal seam, without cylindrical ends,

overall length acc. to DIN 2606 / DIN EN 10253 resp. D-dx3

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-------------------------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 69,00 x 2,00 / 54,00 x 2,00 | 45,00 | 0,133 | | ● 31129 |
| 84,00 x 2,00 / 69,00 x 2,00 | 45,00 | 0,152 | | ● 31130 |
| 104,00 x 2,00 / 84,00 x 2,00 | 60,00 | 0,257 | | ● 31131 |
| 108,00 x 2,00 / 88,90 x 2,00 | 100,00 | 0,350 | | ● 31058 |
| 129,00 x 2,00 / 104,00 x 2,00 | 75,00 | 0,419 | | ● 31132 |
| 133,00 x 4,00 / 108,00 x 4,00 | 127,00 | 1,900 | | ● 32350 |
| 154,00 x 2,00 / 129,00 x 2,00 | 127,00 | 0,476 | | ● 31133 |
| 168,30 x 3,00 / 114,30 x 3,00 | 140,00 | 1,615 | | ● 31127 |
| / 139,70 x 3,00 | 140,00 | 1,800 | | ● 31061 |
| 204,00 x 2,00 / 154,00 x 2,00 | 150,00 | 1,333 | | ● 31134 |
| 219,10 x 2,90 / 168,30 x 2,90 | 152,00 | 2,951 | | ● 31063 |
| 219,10 x 3,00 / 88,90 x 3,00 | 152,00 | 2,550 | | ● 31059 |
| / 114,30 x 3,00 | 152,00 | 3,300 | ● 33581 | ● 31064 |
| / 139,70 x 3,00 | 152,00 | 3,300 | ● 33580 | ● 31065 |
| / 168,30 x 3,00 | 152,00 | 3,300 | ● 33579 | ● 31063 |
| 254,00 x 2,00 / 204,00 x 2,00 | 150,00 | 1,904 | | ● 31135 |
| 273,00 x 3,00 / 114,30 x 3,00 | 178,00 | 3,100 | | ● 31050 |
| / 139,70 x 3,00 | 178,00 | 3,427 | | ● 33473 |
| / 168,30 x 3,00 | 178,00 | 3,530 | ● 33583 | ● 31068 |
| / 219,10 x 3,00 | 178,00 | 3,530 | ● 33582 | ● 31067 |
| 323,90 x 3,00 / 139,70 x 3,00 | 203,00 | 4,760 | | ● 33474 |
| / 168,30 x 3,00 | 203,00 | 4,760 | | ● 31071 |
| / 219,10 x 3,00 | 203,00 | 4,930 | ● 33585 | ● 31069 |
| / 273,00 x 3,00 | 203,00 | 4,930 | ● 33584 | ● 31070 |
| 355,60 x 3,00 / 219,10 x 3,00 | 330,00 | 8,450 | | ● 36419 |
| / 273,00 x 3,00 | 330,00 | 7,950 | | ● 31043 |
| / 323,90 x 3,00 | 330,00 | 8,044 | | ● 31072 |
| 406,40 x 3,00 / 219,10 x 3,00 | 356,00 | 9,710 | | ● 31970 |
| / 273,00 x 3,00 | 356,00 | 9,710 | | ● 31074 |
| / 323,90 x 3,00 | 356,00 | 9,710 | | ● 31073 |
| / 355,60 x 3,00 | 356,00 | 9,729 | | ● 31075 |
| 508,00 x 4,00 / 406,40 x 4,00 | 508,00 | 24,500 | | ● 31925 |



Konzentrisches Reduzierstück

ASTM A 403,

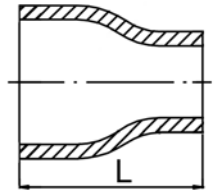
ASME B16.9

Concentric reducer

ASTM A 403,

ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|-----------------------------|----------------------------|-------|--------------|-----------------|-----------------|
| | | | | Art.-No. | Art.-No. |
| 26,67 x 2,11 / 21,33 x 2,11 | 3/4 x 1/2 - SCH10 | 38,10 | 0,043 | ● 28320 | ● 28420 |
| 26,67 x 2,87 / 17,14 x 2,31 | 3/4 x 3/8 - SCH40 | 38,10 | 0,068 | ● 36926 | ● 36976 |
| / 21,33 x 2,77 | 3/4 x 1/2 - SCH40 | 38,10 | 0,059 | ● 28370 | ● 28470 |
| 33,40 x 2,77 / 21,33 x 2,11 | 1 x 1/2 - SCH10 | 50,80 | 0,089 | ● 28321 | ● 28421 |
| / 26,67 x 2,11 | 1 x 3/4 - SCH10 | 50,80 | 0,098 | ● 28322 | ● 28422 |
| 33,40 x 3,38 / 21,33 x 2,77 | 1 x 1/2 - SCH40 | 50,80 | 0,105 | ● 28371 | ● 28471 |
| / 26,67 x 2,77 | 1 x 3/4 - SCH40 | 50,80 | 0,116 | ● 28372 | ● 28472 |
| 42,16 x 2,77 / 21,30 x 2,11 | 1 1/4 x 1/2 - SCH10 | 50,80 | 0,140 | ● 36929 | ● 36979 |
| / 26,67 x 2,11 | 1 1/4 x 3/4 - SCH10 | 50,80 | 0,138 | ● 36927 | ● 36977 |
| / 33,40 x 2,77 | 1 1/4 x 1 - SCH10 | 50,80 | 0,125 | ● 28323 | ● 28423 |
| 42,16 x 3,56 / 21,30 x 2,77 | 1 1/4 x 1/2 - SCH40 | 50,80 | 0,146 | ● 36930 | |
| / 26,67 x 2,77 | 1 1/4 x 3/4 - SCH40 | 50,80 | 0,176 | ● 36928 | ● 36978 |
| / 33,40 x 3,38 | 1 1/4 x 1 - SCH40 | 50,80 | 0,157 | ● 28373 | ● 28473 |
| 48,26 x 2,77 / 21,30 x 2,11 | 1 1/2 x 1/2 - SCH10 | 63,50 | 0,154 | ● 36933 | ● 36983 |
| / 26,67 x 2,11 | 1 1/2 x 3/4 - SCH10 | 63,50 | 0,156 | ● 36931 | ● 36981 |
| / 33,40 x 2,77 | 1 1/2 x 1 - SCH10 | 63,50 | 0,170 | ● 28324 | ● 26418 |
| / 42,16 x 2,77 | 1 1/2 x 1 1/4 - SCH10 | 63,50 | 0,195 | ● 28325 | ● 28424 |
| 48,26 x 3,68 / 21,30 x 2,77 | 1 1/2 x 1/2 - SCH40 | 63,50 | 0,204 | ● 36934 | ● 36984 |
| / 26,67 x 2,87 | 1 1/2 x 3/4 - SCH40 | 63,50 | 0,201 | ● 36932 | ● 36982 |
| / 33,40 x 3,38 | 1 1/2 x 1 - SCH40 | 63,50 | 0,219 | ● 28374 | ● 28474 |
| / 42,16 x 3,56 | 1 1/2 x 1 1/4 - SCH40 | 63,50 | 0,263 | ● 28375 | ● 28475 |
| 60,33 x 2,77 / 21,30 x 2,11 | 2 x 1/2 - SCH10 | 76,20 | 0,294 | ● 36937 | ● 36987 |
| / 26,67 x 2,11 | 2 x 3/4 - SCH10 | 76,20 | 0,214 | ● 36935 | ● 36985 |
| / 33,40 x 2,77 | 2 x 1 - SCH10 | 76,20 | 0,237 | ● 28326 | ● 26119 |
| / 42,16 x 2,77 | 2 x 1 1/4 - SCH10 | 76,20 | 0,258 | ● 28327 | ● 28425 |
| / 48,26 x 2,77 | 2 x 1 1/2 - SCH10 | 76,20 | 0,273 | ● 28328 | ● 26120 |
| 60,33 x 3,91 / 21,30 x 2,77 | 2 x 1/2 - SCH40 | 76,20 | 0,344 | ● 36938 | ● 36988 |
| / 26,67 x 2,87 | 2 x 3/4 - SCH40 | 76,20 | 0,298 | ● 36936 | ● 36986 |
| / 33,40 x 3,38 | 2 x 1 - SCH40 | 76,20 | 0,322 | ● 28376 | ● 28476 |
| / 42,16 x 3,56 | 2 x 1 1/4 - SCH40 | 76,20 | 0,352 | ● 28377 | ● 28477 |
| / 48,26 x 3,68 | 2 x 1 1/2 - SCH40 | 76,20 | 0,372 | ● 28378 | ● 28478 |
| 73,03 x 3,05 / 33,40 x 2,77 | 2 1/2 x 1 - SCH10 | 88,90 | 0,370 | ● 36939 | ● 36989 |
| / 42,16 x 2,77 | 2 1/2 x 1 1/4 - SCH10 | 88,90 | 0,394 | ● 36943 | ● 36993 |
| / 48,30 x 2,77 | 2 1/2 x 1 1/2 - SCH10 | 88,90 | 0,396 | ● 36941 | ● 36991 |
| / 60,30 x 2,77 | 2 1/2 x 2 - SCH10 | 88,90 | 0,432 | ● 28329 | ● 28426 |



Konzentrisches Reduzierstück

ASTM A 403,

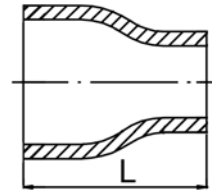
ASME B16.9

Concentric reducer

ASTM A 403,

ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|------------------------------|----------------------------|--------|--------------|-----------------|-----------------|
| | | | | Art.-No. | Art.-No. |
| 73,03 x 5,16 / 33,40 x 3,38 | 2 1/2 x 1 - SCH40 | 88,90 | 0,630 | ● 36940 | ● 36990 |
| / 42,16 x 3,56 | 2 1/2 x 1 1/4 - SCH40 | 88,90 | 0,670 | ● 36944 | ● 36994 |
| / 48,30 x 3,68 | 2 1/2 x 1 1/2 - SCH40 | 88,90 | 0,661 | ● 36942 | ● 36992 |
| / 60,30 x 3,91 | 2 1/2 x 2 - SCH40 | 88,90 | 0,724 | ● 28379 | ● 28479 |
| 88,90 x 3,05 / 33,40 x 2,77 | 3 x 1 - SCH10 | 88,90 | 0,408 | ● 28330 | ● 28427 |
| / 42,16 x 2,77 | 3 x 1 1/4 - SCH10 | 88,90 | 0,430 | ● 36945 | ● 36995 |
| / 48,26 x 2,77 | 3 x 1 1/2 - SCH10 | 88,90 | 0,444 | ● 28331 | ● 26121 |
| / 60,30 x 2,77 | 3 x 2 - SCH10 | 88,90 | 0,478 | ● 28332 | ● 28428 |
| / 73,03 x 3,05 | 3 x 2 1/2 - SCH10 | 88,90 | 0,548 | ● 28333 | ● 28429 |
| 88,90 x 5,49 / 33,40 x 3,38 | 3 x 1 - SCH40 | 88,90 | 0,716 | ● 28380 | ● 28480 |
| / 42,16 x 3,56 | 3 x 1 1/4 - SCH40 | 88,90 | 0,775 | ● 36946 | ● 36996 |
| / 48,26 x 3,68 | 3 x 1 1/2 - SCH40 | 88,90 | 0,783 | ● 28381 | ● 28481 |
| / 60,30 x 3,91 | 3 x 2 - SCH40 | 88,90 | 0,846 | ● 28382 | ● 28482 |
| / 73,03 x 5,16 | 3 x 2 1/2 - SCH40 | 88,90 | 0,983 | ● 28383 | ● 28483 |
| 114,30 x 3,05 / 48,26 x 2,77 | 4 x 1 1/2 - SCH10 | 101,60 | 0,630 | ● 36953 | ● 37003 |
| / 60,30 x 2,77 | 4 x 2 - SCH10 | 101,60 | 0,656 | ● 28344 | ● 28430 |
| / 73,03 x 3,05 | 4 x 2 1/2 - SCH10 | 101,60 | 0,706 | ● 28335 | ● 28431 |
| / 88,90 x 3,05 | 4 x 3 - SCH10 | 101,60 | 0,748 | ● 28336 | ● 28432 |
| / 101,60 x 3,05 | 4 x 3 1/2 - SCH10 | 101,60 | 1,570 | ● 36955 | ● 37005 |
| 114,30 x 6,02 / 48,26 x 3,68 | 4 x 1 1/2 - SCH40 | 101,60 | 1,241 | ● 36954 | ● 37004 |
| / 60,30 x 3,91 | 4 x 2 - SCH40 | 101,60 | 1,270 | ● 28384 | ● 28484 |
| / 73,03 x 5,16 | 4 x 2 1/2 - SCH40 | 101,60 | 1,370 | ● 28385 | ● 28485 |
| / 88,90 x 5,49 | 4 x 3 - SCH40 | 101,60 | 1,450 | ● 28386 | ● 28486 |
| / 101,60 x 5,74 | 4 x 3 1/2 - SCH40 | 101,60 | 1,595 | ● 36956 | ● 37006 |
| 141,30 x 3,40 / 60,30 x 2,77 | 5 x 2 - SCH10 | 127,00 | 1,270 | ● 36957 | ● 37007 |
| / 73,30 x 3,05 | 5 x 2 1/2 - SCH10 | 127,00 | 1,490 | ● 36959 | ● 37009 |
| / 88,90 x 3,05 | 5 x 3 - SCH10 | 127,00 | 1,200 | ● 36961 | ● 37011 |
| / 101,60 x 3,05 | 5 x 3 1/2 - SCH10 | 127,00 | 1,600 | ● 36963 | ● 37013 |
| / 114,30 x 3,05 | 5 x 4 - SCH10 | 127,00 | 1,320 | ● 36965 | ● 28433 |
| 141,30 x 6,55 / 60,30 x 3,91 | 5 x 2 - SCH40 | 127,00 | 2,440 | ● 36958 | ● 37008 |
| / 73,30 x 5,16 | 5 x 2 1/2 - SCH40 | 127,00 | 2,190 | ● 36960 | ● 37010 |
| / 88,90 x 5,49 | 5 x 3 - SCH40 | 127,00 | 2,270 | ● 36962 | ● 37012 |
| / 101,60 x 3,05 | 5 x 3 1/2 - SCH40 | 127,00 | 2,260 | ● 36964 | ● 37014 |
| / 114,30 x 6,02 | 5 x 4 - SCH40 | 127,00 | 2,500 | ● 36966 | ● 37015 |
| 168,28 x 3,40 / 60,30 x 2,77 | 6 x 2 - SCH10 | 139,70 | 1,740 | ● 36967 | ● 37016 |



Konzentrisches Reduzierstück

ASTM A 403,

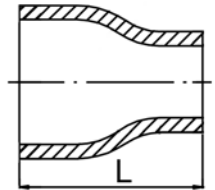
ASME B16.9

Concentric reducer

ASTM A 403,

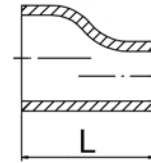
ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|-------------------------------|----------------------------|--------|--------------|-----------------|-----------------|
| | | | | Art.-No. | Art.-No. |
| 168,28 x 3,40 / 73,30 x 3,05 | 6 x 2 1/2 - SCH10 | 139,70 | 1,350 | ● 36969 | ● 37018 |
| / 88,90 x 3,05 | 6 x 3 - SCH10 | 139,70 | 1,500 | ● 28337 | ● 28434 |
| / 114,30 x 3,05 | 6 x 4 - SCH10 | 139,70 | 1,620 | ● 28338 | ● 28435 |
| / 141,40 x 3,40 | 6 x 5 - SCH10 | 139,70 | 1,750 | ● 28339 | ● 28436 |
| 168,28 x 7,11 / 60,30 x 3,91 | 6 x 2 - SCH40 | 139,70 | 3,010 | ● 36968 | ● 37017 |
| / 73,30 x 5,16 | 6 x 2 1/2 - SCH40 | 139,70 | 2,740 | ● 36970 | ● 37019 |
| / 114,30 x 6,02 | 6 x 4 - SCH40 | 139,70 | 3,300 | ● 28388 | ● 28488 |
| / 141,40 x 6,55 | 6 x 5 - SCH40 | 139,70 | 3,570 | ● 36971 | ● 28489 |
| 168,28 x 8,18 / 88,90 x 5,49 | 6 x 3 - SCH40 | 139,70 | 3,040 | ● 28387 | ● 28487 |
| 219,10 x 3,76 / 114,30 x 3,05 | 8 x 4 - SCH10 | 152,40 | 2,560 | ● 28340 | ● 28437 |
| / 141,30 x 3,40 | 8 x 5 - SCH10 | 152,40 | 2,700 | ● 36973 | ● 37020 |
| / 168,30 x 3,40 | 8 x 6 - SCH10 | 152,40 | 2,850 | ● 28341 | ● 28438 |
| 219,10 x 8,18 / 114,30 x 6,02 | 8 x 4 - SCH40 | 152,40 | 5,100 | ● 36972 | ● 28490 |
| / 141,30 x 6,55 | 8 x 5 - SCH40 | 152,40 | 5,400 | ● 36974 | ● 37021 |
| / 168,30 x 7,11 | 8 x 6 - SCH40 | 152,40 | 5,710 | ● 36975 | ● 28491 |



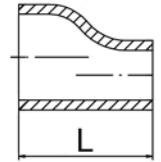
Exzentrisches Reduzierstück
nahtlose Ausführung, EN 10253-4 -s- Bauart B,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252
Eccentric reducers
seamless, EN 10253-4/B -s-,
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-------------------------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 26,90 x 2,00 / 21,30 x 2,00 | 38,00 | 0,060 | | ● 31310 |
| 33,70 x 2,00 / 21,30 x 1,60 | 51,00 | 0,080 | ● 35946 | ● 35947 |
| / 26,90 x 1,60 | 51,00 | 0,080 | ● 35948 | ● 35949 |
| 42,40 x 2,00 / 26,90 x 2,00 | 51,00 | 0,100 | ● 35951 | |
| / 33,70 x 2,00 | 51,00 | 0,100 | | ● 35950 |
| 48,30 x 2,00 / 21,30 x 1,60 | 64,00 | 0,150 | ● 35955 | ● 35952 |
| / 26,90 x 1,60 | 64,00 | 0,150 | ● 35956 | ● 35953 |
| / 33,70 x 2,00 | 64,00 | 0,150 | ● 35957 | ● 35954 |
| / 42,40 x 2,00 | 64,00 | 0,150 | ● 35958 | ● 35959 |
| 60,30 x 2,00 / 33,70 x 2,00 | 76,00 | 0,210 | ● 35962 | ● 35960 |
| / 42,40 x 2,00 | 76,00 | 0,230 | ● 35963 | ● 35961 |
| / 48,30 x 2,00 | 76,00 | 0,230 | ● 35964 | ● 35965 |
| 60,30 x 2,90 / 48,30 x 2,60 | 76,00 | 0,340 | | ● 36445 |
| 88,90 x 2,30 / 48,30 x 2,00 | 89,00 | 0,407 | ● 35966 | ● 35967 |
| / 60,30 x 2,00 | 89,00 | 0,434 | ● 35968 | ● 35969 |
| / 76,10 x 2,30 | 89,00 | 0,434 | ● 35970 | ● 35971 |
| 88,90 x 3,20 / 76,10 x 2,90 | 89,00 | 0,600 | | ● 35972 |
| 114,30 x 2,60 / 48,30 x 2,00 | 102,00 | 0,650 | ● 35940 | |
| 139,70 x 2,60 / 114,30 x 2,60 | 127,00 | 1,500 | | ● 35941 |
| 168,30 x 2,60 / 88,90 x 2,30 | 140,00 | 1,579 | ● 35944 | |
| / 114,30 x 2,60 | 140,00 | 1,615 | ● 35942 | |
| / 139,70 x 2,60 | 140,00 | 1,615 | | ● 35943 |



Exzentrisches Reduzierstück
geschweißte Ausführung, EN 10253-4 -w- Bauart B
AD 2000-W2/W10, HP 8/3, VdTÜV 1252
Eccentric reducer
welded, EN 10253-4/B -w-
AD 2000-W2/W10, HP 8/3, VdTÜV 1252

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-------------------------------|--------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 48,30 x 2,00 / 42,40 x 2,00 | 64,00 | 0,130 | | ● 31313 |
| 60,30 x 2,00 / 33,70 x 2,00 | 76,00 | 0,220 | ● 35934 | ● 35933 |
| / 42,40 x 2,00 | 76,00 | 0,200 | | ● 31316 |
| / 48,30 x 2,00 | 76,00 | 0,230 | | ● 35935 |
| 76,10 x 2,30 / 48,30 x 2,00 | 89,00 | 0,410 | | ● 31319 |
| / 60,30 x 2,00 | 89,00 | 0,390 | | ● 35936 |
| 88,90 x 2,30 / 60,30 x 2,00 | 89,00 | 5,800 | ● 35938 | ● 35937 |
| / 76,10 x 2,30 | 89,00 | 0,490 | ● 35939 | ● 31320 |
| 114,30 x 2,60 / 60,30 x 2,00 | 102,00 | 0,650 | ● 35913 | ● 35914 |
| / 76,10 x 2,30 | 102,00 | 0,690 | ● 35915 | ● 35916 |
| / 88,90 x 2,30 | 102,00 | 0,690 | ● 35917 | ● 35918 |
| 168,30 x 2,60 / 88,90 x 2,30 | 140,00 | 1,579 | | ● 35923 |
| / 114,30 x 2,60 | 140,00 | 1,615 | ● 35919 | ● 35920 |
| / 139,70 x 2,60 | 140,00 | 1,615 | ● 35921 | ● 35922 |
| 219,10 x 2,90 / 114,30 x 2,60 | 152,00 | 2,809 | ● 35925 | ● 35926 |
| / 139,70 x 2,60 | 152,00 | 2,999 | ● 35927 | ● 35928 |
| / 168,30 x 2,60 | 152,00 | 2,999 | ● 35929 | ● 35930 |
| 323,90 x 6,00 / 273,00 x 5,00 | 203,00 | 9,100 | ● 35931 | |



Exzentrisches Reduzierstück

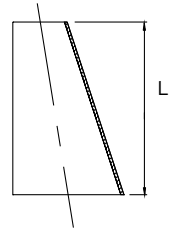
aus Blech gerollt, mit Längsnaht, ohne zylindrische Enden,
Baulänge nach DIN 2606 / DIN EN 10253

Eccentric reducer

rolled from sheet, with longitudinal seam, without cylindrical ends,
overall length acc. to DIN 2606 / DIN EN 10253

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4571 |
|-------------------------------|--------|-----------|-----------|
| 139,70 x 3,00 / 88,90 x 3,00 | 127,00 | 1,200 | ● 31297 |
| / 114,30 x 3,00 | 127,00 | 1,300 | ● 31296 |
| 168,30 x 3,00 / 88,90 x 3,00 | 140,00 | 1,600 | ● 31300 |
| / 114,30 x 3,00 | 140,00 | 1,700 | ● 31299 |
| / 139,70 x 3,00 | 140,00 | 1,800 | ● 31298 |
| 219,10 x 3,00 / 114,30 x 3,00 | 152,00 | 2,200 | ● 31303 |
| / 139,70 x 3,00 | 152,00 | 2,300 | ● 31302 |
| / 168,30 x 3,00 | 152,00 | 2,400 | ● 31301 |
| 273,00 x 3,00 / 168,30 x 3,00 | 178,00 | 3,400 | ● 31305 |
| / 219,10 x 3,00 | 178,00 | 3,500 | ● 31304 |
| 323,90 x 3,00 / 219,10 x 3,00 | 203,00 | 4,800 | ● 31307 |
| / 273,00 x 3,00 | 203,00 | 4,900 | ● 31306 |
| 355,60 x 3,00 / 273,00 x 3,00 | 330,00 | 8,000 | ● 31312 |
| / 323,90 x 3,00 | 330,00 | 8,000 | ● 31315 |
| 406,30 x 3,00 / 273,00 x 3,00 | 356,00 | 9,700 | ● 31318 |
| / 323,90 x 3,00 | 356,00 | 9,700 | ● 31321 |

Artikel-Nr.
Article-No.



Exzentrisches Reduzierstück

ASTM A 403,

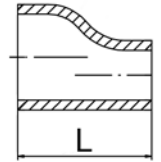
ASME B16.9

Eccentric reducers

ASTM A 403,

ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|-----------------------------|----------------------------|-------|--------------|-----------------|-----------------|
| | | | | Art.-No. | Art.-No. |
| 26,67 x 2,11 / 21,33 x 2,11 | 3/4 x 1/2 - SCH10 | 38,10 | 0,043 | ● 37023 | ● 28900 |
| 26,67 x 2,87 / 17,14 x 2,31 | 3/4 x 3/8 - SCH40 | 38,10 | 0,068 | ● 37022 | ● 37113 |
| / 21,33 x 2,77 | 3/4 x 1/2 - SCH40 | 38,10 | 0,059 | ● 37024 | ● 28930 |
| 33,40 x 2,77 / 21,33 x 2,11 | 1 x 1/2 - SCH10 | 50,80 | 0,089 | ● 37027 | ● 28901 |
| / 26,67 x 2,11 | 1 x 3/4 - SCH10 | 50,80 | 0,098 | ● 37025 | ● 28902 |
| 33,40 x 3,38 / 26,67 x 2,77 | 1 x 3/4 - SCH40 | 50,80 | 0,116 | ● 37026 | ● 28932 |
| / 21,33 x 2,77 | 1 x 1/2 - SCH40 | 50,80 | 0,105 | ● 37028 | ● 28931 |
| 42,16 x 2,77 / 21,30 x 2,11 | 1 1/4 x 1/2 - SCH10 | 50,80 | 0,140 | ● 37033 | ● 37116 |
| / 26,67 x 2,11 | 1 1/4 x 3/4 - SCH10 | 50,80 | 0,138 | ● 37031 | ● 37114 |
| / 33,40 x 2,77 | 1 1/4 x 1 - SCH10 | 50,80 | 0,125 | ● 37029 | ● 28903 |
| 42,16 x 3,56 / 21,30 x 2,77 | 1 1/4 x 1/2 - SCH40 | 50,80 | 0,146 | ● 37034 | ● 37117 |
| / 26,67 x 2,77 | 1 1/4 x 3/4 - SCH40 | 50,80 | 0,176 | ● 37032 | ● 37115 |
| / 33,40 x 3,38 | 1 1/4 x 1 - SCH40 | 50,80 | 0,157 | ● 37030 | ● 28933 |
| 48,26 x 2,77 / 21,30 x 2,11 | 1 1/2 x 1/2 - SCH10 | 63,50 | 0,154 | ● 37041 | ● 37120 |
| / 26,67 x 2,11 | 1 1/2 x 3/4 - SCH10 | 63,50 | 0,156 | ● 37039 | ● 37118 |
| / 33,40 x 2,77 | 1 1/2 x 1 - SCH10 | 63,50 | 0,170 | ● 37037 | ● 28905 |
| / 42,16 x 2,77 | 1 1/2 x 1 1/4 - SCH10 | 63,50 | 0,195 | ● 37035 | ● 28904 |
| 48,26 x 3,68 / 21,30 x 2,77 | 1 1/2 x 1/2 - SCH40 | 63,50 | 0,204 | ● 37042 | ● 37121 |
| / 26,67 x 2,87 | 1 1/2 x 3/4 - SCH40 | 63,50 | 0,201 | ● 37040 | ● 37119 |
| / 33,40 x 3,38 | 1 1/2 x 1 - SCH40 | 63,50 | 0,219 | ● 37038 | ● 28935 |
| / 42,16 x 3,56 | 1 1/2 x 1 1/4 - SCH40 | 63,50 | 0,263 | ● 37036 | ● 28934 |
| 60,33 x 2,77 / 21,30 x 2,11 | 2 x 1/2 - SCH10 | 76,20 | 0,294 | ● 37051 | ● 37124 |
| / 26,67 x 2,11 | 2 x 3/4 - SCH10 | 76,20 | 0,214 | ● 37049 | ● 37122 |
| / 33,40 x 2,77 | 2 x 1 - SCH10 | 76,20 | 0,237 | ● 37047 | ● 28906 |
| / 42,16 x 2,77 | 2 x 1 1/4 - SCH10 | 76,20 | 0,258 | ● 37045 | ● 28907 |
| / 48,26 x 2,77 | 2 x 1 1/2 - SCH10 | 76,20 | 0,273 | ● 37043 | ● 28908 |
| 60,33 x 3,91 / 21,30 x 2,77 | 2 x 1/2 - SCH40 | 76,20 | 0,344 | ● 37052 | ● 37125 |
| / 26,67 x 2,87 | 2 x 3/4 - SCH40 | 76,20 | 0,298 | ● 37050 | ● 37123 |
| / 33,40 x 3,38 | 2 x 1 - SCH40 | 76,20 | 0,322 | ● 37048 | ● 28936 |
| / 42,16 x 3,56 | 2 x 1 1/4 - SCH40 | 76,20 | 0,352 | ● 37046 | ● 28937 |
| / 48,26 x 3,68 | 2 x 1 1/2 - SCH40 | 76,20 | 0,372 | ● 37044 | ● 28938 |
| 73,03 x 3,05 / 33,40 x 2,77 | 2 1/2 x 1 - SCH10 | 88,90 | 0,370 | ● 37053 | ● 37126 |
| / 42,16 x 2,77 | 2 1/2 x 1 1/4 - SCH10 | 88,90 | 0,394 | ● 37059 | ● 37130 |
| / 48,30 x 2,77 | 2 1/2 x 1 1/2 - SCH10 | 88,90 | 0,396 | ● 37057 | ● 37128 |
| / 60,30 x 2,77 | 2 1/2 x 2 - SCH10 | 88,90 | 0,432 | ● 37055 | ● 28909 |



Exzentrisches Reduzierstück

ASTM A 403,

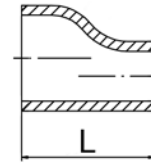
ASME B16.9

Eccentric reducers

ASTM A 403,

ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|------------------------------|----------------------------|--------|--------------|-----------------|-----------------|
| | | | | Art.-No. | Art.-No. |
| 73,03 x 5,16 / 33,40 x 3,38 | 2 1/2 x 1 - SCH40 | 88,90 | 0,630 | ● 37054 | ● 37127 |
| / 42,16 x 3,56 | 2 1/2 x 1 1/4 - SCH40 | 88,90 | 0,670 | ● 37060 | ● 37131 |
| / 48,30 x 3,68 | 2 1/2 x 1 1/2 - SCH40 | 88,90 | 0,661 | ● 37058 | ● 37129 |
| / 60,30 x 3,91 | 2 1/2 x 2 - SCH40 | 88,90 | 0,724 | ● 37056 | ● 28939 |
| 88,90 x 3,05 / 33,40 x 2,77 | 3 x 1 - SCH10 | 88,90 | 0,408 | ● 37069 | ● 28910 |
| / 42,16 x 2,77 | 3 x 1 1/4 - SCH10 | 88,90 | 0,430 | ● 37067 | ● 37132 |
| / 48,26 x 2,77 | 3 x 1 1/2 - SCH10 | 88,90 | 0,444 | ● 37065 | ● 28911 |
| / 60,30 x 2,77 | 3 x 2 - SCH10 | 88,90 | 0,478 | ● 37063 | ● 28912 |
| / 73,03 x 3,05 | 3 x 2 1/2 - SCH10 | 88,90 | 0,548 | ● 37061 | ● 28913 |
| 88,90 x 5,49 / 33,40 x 3,38 | 3 x 1 - SCH40 | 88,90 | 0,716 | ● 37070 | ● 28940 |
| / 42,16 x 3,56 | 3 x 1 1/4 - SCH40 | 88,90 | 0,775 | ● 37068 | ● 37133 |
| / 48,26 x 3,68 | 3 x 1 1/2 - SCH40 | 88,90 | 0,783 | ● 37066 | ● 28941 |
| / 60,30 x 3,91 | 3 x 2 - SCH40 | 88,90 | 0,846 | ● 37064 | ● 28942 |
| / 73,03 x 5,16 | 3 x 2 1/2 - SCH40 | 88,90 | 0,983 | ● 37062 | ● 28943 |
| 114,30 x 3,05 / 48,26 x 2,77 | 4 x 1 1/2 - SCH10 | 101,60 | 0,630 | ● 37077 | ● 37140 |
| / 60,30 x 2,77 | 4 x 2 - SCH10 | 101,60 | 0,656 | ● 37079 | ● 28914 |
| / 73,03 x 3,05 | 4 x 2 1/2 - SCH10 | 101,60 | 0,706 | ● 37081 | ● 28915 |
| / 88,90 x 3,05 | 4 x 3 - SCH10 | 101,60 | 0,748 | ● 37083 | ● 28916 |
| / 101,60 x 3,05 | 4 x 3 1/2 - SCH10 | 101,60 | 1,570 | ● 37085 | ● 37142 |
| 114,30 x 6,02 / 48,26 x 3,68 | 4 x 1 1/2 - SCH40 | 101,60 | 1,241 | ● 37078 | ● 37141 |
| / 60,30 x 3,91 | 4 x 2 - SCH40 | 101,60 | 1,270 | ● 37080 | ● 28944 |
| / 73,03 x 5,16 | 4 x 2 1/2 - SCH40 | 101,60 | 1,370 | ● 37082 | ● 28945 |
| / 88,90 x 5,49 | 4 x 3 - SCH40 | 101,60 | 1,450 | ● 37084 | ● 28946 |
| / 101,60 x 5,74 | 4 x 3 1/2 - SCH40 | 101,60 | 1,595 | ● 37086 | ● 37143 |
| 141,30 x 3,40 / 60,30 x 2,77 | 5 x 2 - SCH10 | 127,00 | 1,270 | ● 37087 | ● 37144 |
| / 73,30 x 3,05 | 5 x 2 1/2 - SCH10 | 127,00 | 1,490 | ● 37089 | ● 37146 |
| / 88,90 x 3,05 | 5 x 3 - SCH10 | 127,00 | 1,200 | ● 37091 | ● 37148 |
| / 101,60 x 3,05 | 5 x 3 1/2 - SCH10 | 127,00 | 1,600 | ● 37093 | ● 37150 |
| / 114,30 x 3,05 | 5 x 4 - SCH10 | 127,00 | 1,320 | ● 37095 | ● 28917 |
| 141,30 x 6,55 / 60,30 x 3,91 | 5 x 2 - SCH40 | 127,00 | 2,440 | ● 37088 | ● 37145 |
| / 73,30 x 5,16 | 5 x 2 1/2 - SCH40 | 127,00 | 2,190 | ● 37090 | ● 37147 |
| / 88,90 x 5,49 | 5 x 3 - SCH40 | 127,00 | 2,270 | ● 37092 | ● 37149 |
| / 101,60 x 5,74 | 5 x 3 1/2 - SCH40 | 127,00 | 2,260 | ● 37094 | ● 37151 |
| / 114,30 x 6,02 | 5 x 4 - SCH40 | 127,00 | 2,500 | ● 37096 | ● 37152 |
| 168,28 x 3,40 / 60,30 x 2,77 | 6 x 2 - SCH10 | 139,70 | 1,740 | ● 37097 | ● 37153 |



Exzentrisches Reduzierstück

ASTM A 403,

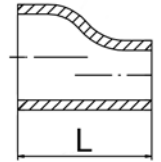
ASME B16.9

Eccentric reducers

ASTM A 403,

ASME B16.9

| Abm./Dim. | Rohrweite/ NPS/Schedule | L mm | Kg/Stk pc | 304L/ 1.4307 | 316L/ 1.4404 |
|-------------------------------|----------------------------|--------|--------------|-----------------|-----------------|
| | | | | Art.-No. | Art.-No. |
| 168,28 x 3,40 / 73,30 x 3,05 | 6 x 2 1/2 - SCH10 | 139,70 | 1,350 | ● 37099 | ● 37155 |
| / 88,90 x 3,05 | 6 x 3 - SCH10 | 139,70 | 1,500 | ● 37101 | ● 28918 |
| 168,28 x 3,40 / 114,30 x 3,05 | 6 x 4 - SCH10 | 139,70 | 1,620 | ● 37103 | ● 28919 |
| / 141,40 x 3,40 | 6 x 5 - SCH10 | 139,70 | 1,750 | ● 37105 | ● 28920 |
| 168,28 x 7,11 / 60,30 x 3,91 | 6 x 2 - SCH40 | 139,70 | 3,010 | ● 37098 | ● 37154 |
| / 73,30 x 5,16 | 6 x 2 1/2 - SCH40 | 139,70 | 2,740 | ● 37100 | ● 37156 |
| / 114,30 x 6,02 | 6 x 4 - SCH40 | 139,70 | 3,300 | ● 37104 | ● 28948 |
| / 141,40 x 6,55 | 6 x 5 - SCH40 | 139,70 | 3,570 | ● 37106 | ● 37157 |
| 168,28 x 8,18 / 88,90 x 5,49 | 6 x 3 - SCH40 | 139,70 | 3,040 | ● 37102 | ● 28947 |
| 219,10 x 3,76 / 114,30 x 3,05 | 8 x 4 - SCH10 | 152,40 | 2,560 | ● 37107 | ● 37158 |
| / 141,30 x 3,40 | 8 x 5 - SCH10 | 152,40 | 2,700 | ● 37109 | ● 37160 |
| / 168,30 x 3,40 | 8 x 6 - SCH10 | 152,40 | 2,850 | ● 37111 | ● 37162 |
| 219,10 x 8,18 / 114,30 x 6,02 | 8 x 4 - SCH40 | 152,40 | 5,100 | ● 37108 | ● 37159 |
| / 141,30 x 6,55 | 8 x 5 - SCH40 | 152,40 | 5,400 | ● 37110 | ● 37161 |
| / 168,30 x 7,11 | 8 x 6 - SCH40 | 152,40 | 5,710 | ● 37112 | ● 37163 |



Rohrkappe

DIN EN 10253-4 (DIN 2617),

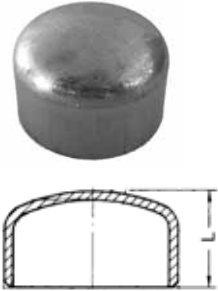
AD 2000-W2/W10, HP 7/3-HP 8/3

Tube cap

DIN EN 10253-4 (DIN 2617)

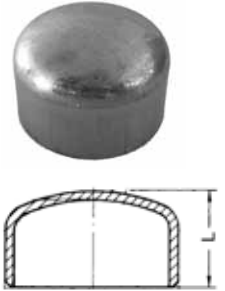
AD 2000-W2/W10, HP 7/3-HP 8/3

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4571 |
|---------------|-------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 21,30 x 1,60 | 13,00 | 0,012 | ● 36135 |
| 26,90 x 2,00 | 21,30 | 0,017 | ● 36136 |
| 33,70 x 2,00 | 23,00 | 0,031 | ● 36137 |
| 42,40 x 2,00 | 24,50 | 0,048 | ● 36138 |
| 48,30 x 2,00 | 25,50 | 0,053 | ● 36139 |
| 60,30 x 2,00 | 33,00 | 0,076 | ● 36140 |
| 76,10 x 2,30 | 36,00 | 0,151 | ● 36141 |
| 88,90 x 2,30 | 39,50 | 0,184 | ● 36142 |
| 114,30 x 2,60 | 44,30 | 0,300 | ● 36132 |
| 139,70 x 2,60 | 49,50 | 0,460 | ● 36133 |
| 168,30 x 2,60 | 55,00 | 0,710 | ● 36134 |



Rohrkappe
ASTM A 403,
ASME B16.9
Tube cap
ASTM A 403,
ASME B16.9

| Abm./Dim. | Rohrweite/NPS Schedule | L mm | Kg/Stk/pc | 304L/ 1.4307 | 316L/ 1.4404 |
|---------------|---------------------------|--------|-----------|-----------------|-----------------|
| | | | | Art.-No. | Art.-No. |
| 21,34 x 2,11 | 1/2" - SCH10 | 25,40 | 0,050 | ● 37164 | ● 37190 |
| x 2,77 | 1/2" - SCH40 | 25,40 | 0,070 | ● 37165 | ● 37191 |
| 26,67 x 2,11 | 3/4" - SCH10 | 25,40 | 0,060 | ● 37166 | ● 37192 |
| x 2,87 | 3/4" - SCH40 | 25,40 | 0,080 | ● 37167 | ● 37193 |
| 33,40 x 2,77 | 1" - SCH10 | 38,10 | 0,075 | ● 37168 | ● 37194 |
| x 3,38 | 1" - SCH40 | 38,10 | 0,090 | ● 37169 | ● 37195 |
| 42,16 x 2,77 | 1 1/4" - SCH10 | 38,10 | 0,100 | ● 37170 | ● 37196 |
| x 3,56 | 1 1/4" - SCH40 | 38,10 | 0,130 | ● 37171 | ● 37197 |
| 48,26 x 2,77 | 1 1/2" - SCH10 | 38,10 | 0,130 | ● 37172 | ● 37198 |
| x 3,68 | 1 1/2" - SCH40 | 38,10 | 0,170 | ● 37173 | ● 37199 |
| 60,33 x 2,77 | 2" - SCH10 | 38,10 | 0,190 | ● 37174 | ● 37200 |
| x 3,91 | 2" - SCH40 | 38,10 | 0,260 | ● 37175 | ● 37201 |
| 73,03 x 3,05 | 2 1/2" - SCH10 | 38,10 | 0,240 | ● 37176 | ● 37202 |
| x 5,16 | 2 1/2" - SCH40 | 38,10 | 0,410 | ● 37177 | ● 37203 |
| 88,90 x 3,05 | 3" - SCH10 | 50,80 | 0,370 | ● 37178 | ● 37204 |
| x 5,49 | 3" - SCH40 | 50,80 | 0,680 | ● 37179 | ● 37205 |
| 101,60 x 3,05 | 3 1/2" - SCH10 | 63,50 | 0,450 | | ● 37206 |
| 114,30 x 3,50 | 4" - SCH10 | 63,50 | 0,570 | ● 37182 | ● 37208 |
| x 6,02 | 4" - SCH40 | 63,50 | 1,130 | ● 37183 | ● 37209 |
| 141,30 x 3,40 | 5" - SCH10 | 76,20 | 1,100 | ● 37184 | ● 37210 |
| x 6,55 | 5" - SCH40 | 76,20 | 2,120 | ● 37185 | ● 37211 |
| 168,28 x 3,40 | 6" - SCH10 | 88,90 | 1,410 | ● 37186 | ● 37212 |
| x 7,11 | 6" - SCH40 | 88,90 | 2,950 | ● 37187 | ● 37213 |
| 219,08 x 3,76 | 8" - SCH10 | 101,60 | 2,470 | ● 37188 | ● 37214 |
| x 8,18 | 8" - SCH40 | 101,60 | 5,400 | ● 37189 | ● 37215 |



Klörperboden
DIN 28011

Torispherical head
DIN 28011

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4571 |
|---------------|--------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 21,30 x 2,00 | 15,00 | 0,015 | ● 31086 |
| 26,90 x 2,00 | 17,00 | 0,220 | ● 31087 |
| 33,70 x 3,00 | 20,00 | 0,470 | ● 31088 |
| 42,40 x 3,00 | 21,00 | 0,720 | ● 31089 |
| 48,30 x 3,00 | 22,00 | 0,870 | ● 31090 |
| 54,00 x 2,00 | 21,00 | 0,067 | ● 31091 |
| 60,30 x 3,00 | 25,00 | 0,130 | ● 31092 |
| 76,10 x 3,00 | 27,00 | 0,196 | ● 31093 |
| 84,00 x 2,00 | 28,00 | 0,015 | ● 31094 |
| 88,90 x 3,00 | 39,00 | 0,310 | ● 31095 |
| 104,00 x 2,00 | 36,00 | 0,024 | ● 31096 |
| 108,00 x 3,00 | 43,00 | 0,045 | ● 31097 |
| 114,30 x 3,00 | 44,00 | 0,480 | ● 31098 |
| 129,00 x 2,00 | 42,00 | 0,037 | ● 31099 |
| 139,70 x 3,00 | 49,00 | 0,670 | ● 31100 |
| 154,00 x 2,00 | 51,00 | 0,438 | ● 31101 |
| 159,00 x 3,00 | 54,00 | 0,850 | ● 31102 |
| 168,30 x 3,00 | 54,00 | 0,900 | ● 31103 |
| 204,00 x 2,00 | 61,00 | 0,880 | ● 31104 |
| 219,10 x 3,00 | 64,00 | 1,480 | ● 31106 |
| 254,00 x 2,00 | 70,00 | 1,320 | ● 31107 |
| 256,00 x 3,00 | 71,00 | 1,980 | ● 31108 |
| 273,00 x 3,00 | 74,00 | 2,180 | ● 31109 |
| 323,90 x 3,00 | 84,00 | 2,870 | ● 31111 |
| 355,60 x 3,00 | 87,00 | 3,400 | ● 31112 |
| 406,40 x 3,00 | 100,00 | 4,430 | ● 31113 |
| 508,00 x 4,00 | 120,00 | 9,400 | ● 31776 |
| 609,60 x 4,00 | 135,00 | 13,000 | ● 31926 |



Klörperboden

DIN 28011 (EN 13445), AD2000-W2/W10,

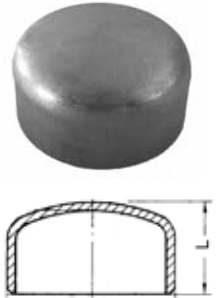
HP 7/3-HP 8/3, DIN 2609/VdTÜV 1252

Torispherical head

DIN 28011 (EN 13445), AD2000-W2/W10,

HP 7/3-HP 8/3, DIN 2609/VdTÜV 1252

| Abm./Dim. | L mm | Kg/Stk/pc | EN 1.4571 |
|---------------|-------|-----------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 21,30 x 2,00 | 13,00 | 0,015 | ● 35654 |
| 26,90 x 2,00 | 21,30 | 0,022 | ● 35658 |
| 33,70 x 3,00 | 23,00 | 0,031 | ● 35661 |
| 42,40 x 3,00 | 24,50 | 0,072 | ● 35664 |
| 48,30 x 3,00 | 25,50 | 0,087 | ● 35666 |
| 60,30 x 3,00 | 33,00 | 0,130 | ● 35669 |
| 76,10 x 3,00 | 36,00 | 0,196 | ● 35673 |
| 88,90 x 3,00 | 39,50 | 0,310 | ● 35676 |
| 114,30 x 3,00 | 44,30 | 0,480 | ● 35646 |
| 139,70 x 3,00 | 49,50 | 0,670 | ● 35649 |
| 168,30 x 3,00 | 55,00 | 0,900 | ● 35651 |
| 168,30 x 4,00 | 55,00 | 1,190 | ● 35652 |
| 219,10 x 3,00 | 64,60 | 1,480 | ● 35655 |
| 219,10 x 4,00 | 64,60 | 2,900 | ● 35657 |



Klörperboden

mit reduziertem Rohranschlussmaß, PAS 1057-11, DIN 28011 (EN 13445),

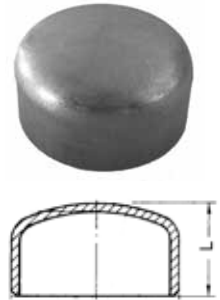
AD 2000-W2/W10, HP 7/3-HP 8/3, DIN 2609/VdTÜV 1252

Torispherical head

with reduces pipe connection dimension, PAS 1057-11, DIN 28011 (EN 13445),

AD 2000-W2/W10, HP 7/3-HP8/3, DIN 2609/VdTÜV 1252

| Abm./Dim. | L mm | s mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|---------------|-------|------|-----------|----------------------------|----------------------------|
| | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 33,70 x 3,00 | 23,00 | 2,00 | 0,310 | ● 35662 | ● 35663 |
| 42,40 x 3,00 | 24,50 | 2,60 | 0,720 | ● 35665 | |
| 48,30 x 3,00 | 25,50 | 2,60 | 0,870 | ● 35667 | ● 35668 |
| 60,30 x 3,00 | 33,00 | 2,90 | 0,130 | ● 35670 | ● 35671 |
| 60,30 x 4,00 | 33,00 | 3,60 | 0,180 | ● 761204 | ● 35672 |
| 76,10 x 5,00 | 36,00 | 5,00 | 0,330 | ● 35674 | ● 35675 |
| 88,90 x 5,00 | 39,50 | 4,00 | 0,520 | ● 35677 | ● 35678 |
| 114,30 x 4,00 | 44,30 | 4,00 | 0,640 | ● 35647 | ● 35648 |
| 139,70 x 4,00 | 49,50 | 2,60 | 0,890 | ● 35650 | ● 761220 |
| 168,30 x 4,00 | 55,00 | 4,00 | 1,190 | ● 35653 | |
| 219,10 x 3,00 | 64,60 | 2,90 | 1,480 | ● 35656 | |
| 273,00 x 4,00 | 75,00 | 3,20 | 2,460 | ● 35659 | ● 761223 |
| 323,90 x 5,00 | 89,00 | 3,60 | 3,650 | ● 35660 | ● 761224 |



Kappschellen

leichte Ausführung,

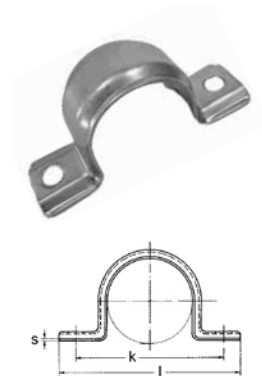
ähnlich DIN 1593 (Design Krefeld)

Pipe clips

light-weight version,

similar to DIN 1593 (Design Krefeld)

| Abm./Dim. | K mm | L mm | s mm | b mm | Kg/Stk./pc | EN 1.4301 |
|---------------|--------|--------|------|-------|------------|----------------------------|
| | | | | | | Artikel-Nr. Article-No. |
| 15,00/21,30 | 59,00 | 83,00 | 1,50 | 35,00 | 0,040 | ● 35680 |
| 20,00/26,90 | 66,00 | 89,00 | 1,50 | 35,00 | 0,040 | ● 35681 |
| 25,00/33,70 | 77,00 | 100,00 | 1,50 | 35,00 | 0,060 | ● 35682 |
| 32,00/42,40 | 77,00 | 110,00 | 1,50 | 35,00 | 0,060 | ● 35683 |
| 40,00/48,30 | 93,00 | 116,00 | 1,50 | 35,00 | 0,070 | ● 35684 |
| 50,00/60,30 | 105,00 | 129,00 | 1,50 | 35,00 | 0,090 | ● 35685 |
| 65,00/76,10 | 115,00 | 130,00 | 2,00 | 40,00 | 0,140 | ● 35686 |
| 80,00/88,90 | 137,00 | 161,00 | 2,00 | 40,00 | 0,180 | ● 35687 |
| 100,00/114,30 | 163,00 | 186,00 | 2,50 | 40,00 | 0,260 | ● 35679 |



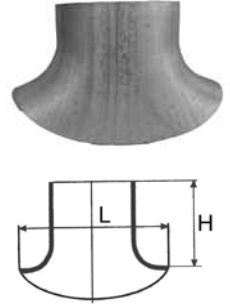
Sattelstützen

hergestellt aus geschweißtem Rohr,
ähnlich DIN z618

Saddles

produced from welded tube,
similar to DIN z618

| Abm./Dim. | L mm | H mm | Kg/Stk/pc | EN 1.4571 | Artikel-Nr. Article-No. |
|----------------------|--------|--------|-----------|-----------|----------------------------|
| 48,30 x 2,60 | 85,00 | 40,00 | 0,238 | | ● 31076 |
| 60,30 x 2,60 | 105,00 | 45,00 | 0,235 | | ● 31077 |
| 76,10 x 3,00 | 142,00 | 50,00 | 0,581 | | ● 31078 |
| 88,90 x 3,00 | 164,00 | 60,00 | 0,819 | | ● 31079 |
| 114,30 x 3,00 | 198,00 | 65,00 | 1,047 | | ● 31080 |
| 114,30 x 3,00/323,90 | 198,00 | 65,00 | 1,000 | | ● 34814 |
| 139,70 x 3,00 | 250,00 | 85,00 | 1,999 | | ● 31081 |
| 168,30 x 3,00 | 290,00 | 100,00 | 2,856 | | ● 31082 |



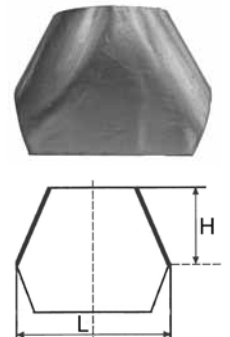
Sattelstützen

hergestellt aus Blech, mit seitlichen geraden Abgängen,
Baulänge nach DIN z618

Saddles

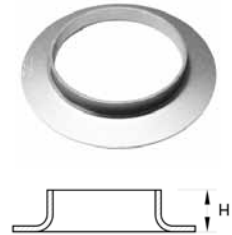
produced from sheet, with lateral straight outlets,
overall length according to DIN z618

| Abm./Dim. | L mm | H mm | Kg/Stk/pc | EN 1.4571 | Artikel-Nr. Article-No. |
|---------------|--------|--------|-----------|-----------|----------------------------|
| 219,10 x 3,00 | 375,00 | 135,00 | 4,760 | | ● 31083 |
| 273,00 x 3,00 | 446,00 | 150,00 | 7,521 | | ● 31084 |
| 323,90 x 3,00 | 526,00 | 175,00 | 10,282 | | ● 31085 |



Vorschweißbördel
 DIN 2642,
 PN10
 Welding collar
 DIN 2642,
 PN10

| Abm./Dim. | H mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-------------------|-------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 18,00 x 1,50 H8 | 8,00 | 0,029 | | ● 30976 |
| 21,30 x 2,00 H9 | 9,00 | 0,038 | | ● 30978 |
| 23,00 x 1,50 | 10,00 | 0,048 | | ● 30979 |
| 26,90 x 2,00 H12 | 12,00 | 0,067 | | ● 30981 |
| 33,70 x 2,00 H15 | 14,00 | 0,086 | | ● 30986 |
| x 3,00 H15 | 14,00 | 0,143 | | ● 30987 |
| 42,40 x 2,00 H15 | 15,00 | 0,095 | | ● 30988 |
| x 3,00 H15 | 15,00 | 0,133 | ● 30943 | ● 30989 |
| 44,50 x 2,00 H16 | 17,00 | 0,157 | | ● 30991 |
| 48,30 x 2,00 H17 | 17,00 | 0,157 | | ● 30993 |
| x 3,00 H17 | 17,00 | 0,202 | ● 30947 | ● 30994 |
| 54,00 x 2,00 H19 | 20,00 | 0,213 | | ● 30996 |
| 60,30 x 2,00 H23 | 23,00 | 0,181 | | ● 30997 |
| x 2,60 H23 | 23,00 | 0,250 | | ● 36313 |
| x 3,00 H23 | 23,00 | 0,269 | ● 30953 | ● 30998 |
| 70,00 x 2,00 H21 | 23,00 | 0,291 | | ● 31002 |
| 76,10 x 2,00 H23 | 23,00 | 0,280 | | ● 31004 |
| x 3,00 H23 | 23,00 | 0,381 | ● 30955 | ● 31005 |
| 84,00 x 2,00 H20 | 23,00 | 0,302 | ● 30956 | ● 31006 |
| 88,90 x 2,00 H23 | 23,00 | 0,291 | | ● 31007 |
| x 3,20 | 23,00 | 0,340 | ● 30958 | ● 31008 |
| 104,00 x 2,00 H24 | 27,00 | 0,340 | | ● 31010 |
| 108,00 x 3,00 H27 | 28,00 | 0,616 | | ● 31011 |
| 114,30 x 2,00 H28 | 28,00 | 0,448 | | ● 31012 |
| x 3,20 | 28,00 | 0,594 | ● 30961 | ● 31013 |
| 129,00 x 2,00 H27 | 30,00 | 0,616 | | ● 31014 |
| 139,70 x 2,00 H30 | 30,00 | 0,482 | | ● 31015 |
| x 3,20 | 30,00 | 0,762 | ● 30965 | ● 31016 |
| 154,00 x 2,00 H28 | 30,00 | 0,605 | | ● 31017 |
| 159,00 x 2,00 H30 | 30,00 | 0,520 | ● 33876 | |
| 168,30 x 2,00 H30 | 30,00 | 0,466 | | ● 31018 |
| x 3,20 | 30,00 | 0,851 | ● 30968 | ● 31019 |
| 204,00 x 2,00 H25 | 30,00 | 0,733 | ● 30969 | ● 31020 |
| 219,10 x 2,00 H30 | 30,00 | 0,773 | | ● 31022 |
| x 3,20 | 30,00 | 1,221 | ● 30971 | ● 31023 |



Vorschweißbördel

DIN 2642,

PN10

Welding collar

DIN 2642,

PN10

| Abm./Dim. | H mm | Kg/Stk/pc | EN 1.4541 | 1.4571 |
|-------------------|-------|-----------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 254,00 x 2,00 H30 | 30,00 | 1,098 | ● 30972 | ● 31024 |
| 273,00 x 3,20 | 30,00 | 1,371 | ● 30973 | ● 31025 |
| x 4,00 H30 | 30,00 | 1,613 | | ● 31026 |
| 306,00 x 3,00 H35 | 35,00 | 1,691 | | ● 31028 |
| 323,90 x 3,00 H35 | 35,00 | 1,512 | ● 30974 | ● 31029 |
| x 4,00 | 35,00 | 1,714 | | ● 31154 |
| 355,60 x 3,00 H35 | 35,00 | 1,880 | | ● 31030 |
| 406,40 x 3,00 H40 | 40,00 | 2,250 | | ● 31031 |
| x 4,00 H40 | 40,00 | 3,203 | | ● 31032 |
| 508,00 x 4,00 H45 | 45,00 | 3,522 | | ● 31034 |
| 609,60 x 4,00 H45 | 45,00 | 4,941 | | ● 31035 |



Vorschweißbördel

geglüht und gebeizt,

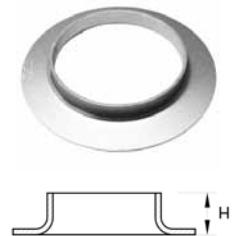
DIN 2642, DIN 2609 (EN 1092-1 Typ 37)

Welding collar

annealed and pickled,

DIN 2642, DIN 2609 (EN 1092-1 Typ 37)

| Abm./Dim. | H mm | Kg/Stk/pc | EN 1.4571 | Artikel-Nr. Article-No. |
|-------------------|-------|-----------|-----------|----------------------------|
| 17,20 x 2,00 | 9,00 | 0,022 | | ● 36294 |
| 21,30 x 2,00 | 9,00 | 0,040 | | ● 36296 |
| 26,90 x 1,60/2,00 | 12,00 | 0,050 | | ● 36300 |
| 33,70 x 2,00 | 15,00 | 0,090 | | ● 36302 |
| 42,40 x 2,00 | 15,00 | 0,110 | | ● 36304 |
| x 2,60 | 15,00 | 0,120 | | ● 36303 |
| 48,30 x 2,00 | 17,00 | 0,140 | | ● 36306 |
| x 2,60 | 17,00 | 0,160 | | ● 36305 |
| 60,30 x 2,00 | 23,00 | 0,190 | | ● 36308 |
| x 2,60 | 23,00 | 0,250 | | ● 36307 |
| 76,10 x 2,60 | 23,00 | 0,300 | | ● 36309 |
| 88,90 x 2,60 | 23,00 | 0,370 | | ● 36310 |
| x 3,20 | 23,00 | 0,420 | | ● 36311 |
| 114,30 x 2,60 | 28,00 | 0,460 | | ● 36287 |
| x 3,20 | 28,00 | 0,530 | | ● 36288 |
| 139,70 x 2,60 | 30,00 | 0,510 | | ● 36289 |
| x 3,20 | 30,00 | 0,680 | | ● 36290 |
| 168,30 x 2,60 | 30,00 | 0,580 | | ● 36291 |
| x 3,20 | 30,00 | 0,760 | | ● 36292 |
| 219,10 x 2,90 | 30,00 | 0,914 | | ● 36297 |
| x 3,20 | 30,00 | 1,090 | | ● 36298 |
| 273,00 x 3,60 | 30,00 | 1,440 | | ● 36301 |



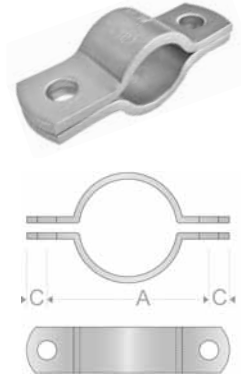
Doppelschellen

schwere Ausführung, ähnlich DIN 3567 Form A,
ohne Muttern und Schrauben

Pipe support

heavy-weight version, similar to DIN 3567 form A,
without bolts and nuts

| Abm./Dim. | A mm | C mm | BxS mm | Kg/Stk/pc | EN 1.4301 | 1.4571 |
|---------------|--------|-------|---------------|-----------|----------------------------|----------------------------|
| | | | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 15,00/21,30 | 59,00 | 15,00 | 30,00 x 5,00 | 0,200 | ● 20376 | ● 20430 |
| 20,00/26,90 | 66,00 | 15,00 | 30,00 x 5,00 | 0,220 | ● 20377 | ● 20431 |
| 25,00/33,70 | 72,00 | 15,00 | 30,00 x 5,00 | 0,250 | ● 20378 | ● 20432 |
| 32,00/42,40 | 82,00 | 15,00 | 30,00 x 5,00 | 0,270 | ● 20379 | ● 20433 |
| 40,00/48,30 | 88,00 | 15,00 | 30,00 x 5,00 | 0,300 | ● 20380 | ● 20434 |
| 50,00/60,30 | 108,00 | 18,00 | 40,00 x 6,00 | 0,570 | ● 20381 | ● 20435 |
| 65,00/76,10 | 122,00 | 18,00 | 40,00 x 6,00 | 0,680 | ● 20382 | ● 20436 |
| 80,00/88,90 | 136,00 | 18,00 | 40,00 x 6,00 | 0,750 | ● 20383 | ● 20437 |
| 100,00/104,00 | 169,00 | 24,00 | 50,00 x 8,00 | 0,160 | ● 33222 | |
| 100,00/114,30 | 178,00 | 24,00 | 50,00 x 8,00 | 1,450 | ● 20384 | ● 20438 |
| 125,00/129,00 | 192,00 | 24,00 | 50,00 x 8,00 | 1,850 | ● 33223 | |
| 125,00/139,70 | 204,00 | 24,00 | 50,00 x 8,00 | 1,850 | ● 20396 | ● 20439 |
| 150,00/154,00 | 217,00 | 24,00 | 50,00 x 8,00 | 2,100 | ● 33224 | |
| 150,00/168,30 | 232,00 | 24,00 | 50,00 x 8,00 | 2,100 | ● 20397 | ● 20440 |
| 200,00/204,00 | 268,00 | 24,00 | 50,00 x 8,00 | 2,600 | ● 33225 | |
| 200,00/219,10 | 284,00 | 24,00 | 50,00 x 8,00 | 2,600 | ● 20398 | ● 20441 |
| 250,00/254,00 | 329,00 | 30,00 | 60,00 x 8,00 | 3,700 | ● 33226 | |
| 250,00/273,00 | 348,00 | 30,00 | 60,00 x 8,00 | 3,700 | ● 20399 | ● 20442 |
| 300,00/323,90 | 398,00 | 30,00 | 60,00 x 8,00 | 4,500 | ● 20400 | ● 20443 |
| 350,00/356,00 | 432,00 | 30,00 | 60,00 x 8,00 | 5,100 | ● 32981 | |
| 400,00/406,40 | 498,00 | 36,00 | 70,00 x 10,00 | 8,400 | ● 20401 | ● 20444 |
| 500,00/508,00 | 600,00 | 36,00 | 70,00 x 10,00 | 10,200 | ● 31927 | ● 31929 |
| 600,00/610,00 | 702,00 | 36,00 | 70,00 x 10,00 | 11,500 | | ● 31930 |



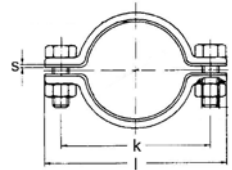
Doppelschellen

leichte Ausführung, ähnlich DIN 3567 Form A (Design Krefeld),
ohne Muttern und Schrauben

Pipe support

light-weight version, similar to DIN 3567 form A (Design Krefeld),
without bolts and nuts

| Abm./Dim. | K mm | L mm | S mm | b mm | Kg/Stk/pc | EN 1.4301 |
|---------------|--------|--------|------|-------|-----------|----------------------------|
| | | | | | | Artikel-Nr. Article-No. |
| 32,00/42,40 | 68,70 | 90,00 | 1,50 | 35,00 | 0,078 | ● 34547 |
| 40,00/48,30 | 79,00 | 98,00 | 1,50 | 35,00 | 0,090 | ● 34548 |
| 50,00/60,30 | 91,00 | 110,00 | 1,50 | 35,00 | 0,108 | ● 34549 |
| 65,00/76,10 | 118,00 | 142,00 | 2,00 | 40,00 | 0,210 | ● 34550 |
| 80,00/88,90 | 135,00 | 159,00 | 2,00 | 40,00 | 0,234 | ● 34551 |
| 100,00/114,30 | 157,00 | 184,00 | 2,50 | 40,00 | 0,352 | ● 34552 |





Index

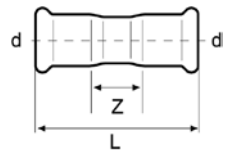
| | |
|--------------------------------------|---------------------|
| Muffen | ab Seite 107 |
| Sockets | from Page 107 |
| Bogen | ab Seite 108 |
| Elbow | from Page 108 |
| Reduziermuffe | ab Seite 111 |
| Reducing socket | from Page 111 |
| Übergangsmuffe | ab Seite 112 |
| Transition sleeve | from Page 112 |
| Bogen | ab Seite 113 |
| Adaptor | from Page 113 |
| Übergangswinkel | ab Seite 115 |
| Angle adaptor | from Page 115 |
| Deckenwinkel | ab Seite 116 |
| Ceiling angle | from Page 116 |
| T-Stück | ab Seite 117 |
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| Closing plug | from Page 121 |
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| Adaptor flange | from Page 121 |
| Ventilstecker | ab Seite 122 |
| Valve connector | from Page 122 |
| Durchgangsverschraubung | ab Seite 122 |
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| O-Ring | ab Seite 126 |
| O-ring | from Page 126 |
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| Fleat seal | from Page 128 |
| DVGW-Rohre | ab Seite 128 |
| Water tubes | from Page 128 |

Muffe - N300
Doppelmuffe

Double socket

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|--------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15,00 | 52 | 10 | 0,039 | ● 19180 |
| 18,00 | 52 | 10 | 0,044 | ● 19181 |
| 22,00 | 59 | 13 | 0,062 | ● 19182 |
| 28,00 | 61 | 13 | 0,078 | ● 19183 |
| 35,00 | 72 | 18 | 0,109 | ● 19184 |
| 42,00 | 79 | 15 | 0,147 | ● 19185 |
| 54,00 | 90 | 16 | 0,205 | ● 19186 |
| 76,10 | 142 | 32 | 0,604 | ● 19187 |
| 88,90 | 163 | 37 | 0,837 | ● 19188 |
| 108,00 | 195 | 38 | 1,193 | ● 19189 |



Muffe - N302
Schiebemuffe

Sliding sleeve

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | E mm | Kg/Stk/pc | AISI 316L |
|--------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15,00 | 71 | 24 | 0,047 | ● 19190 |
| 18,00 | 77 | 25 | 0,063 | ● 19191 |
| 22,00 | 82 | 27 | 0,085 | ● 19192 |
| 28,00 | 90 | 28 | 0,114 | ● 19193 |
| 35,00 | 99 | 31 | 0,149 | ● 19194 |
| 42,00 | 115 | 35 | 0,216 | ● 19195 |
| 54,00 | 139 | 40 | 0,316 | ● 19196 |
| 76,10 | 230 | 60 | 0,874 | ● 19197 |
| 88,90 | 258 | 70 | 1,196 | ● 19198 |
| 108,00 | 305 | 80 | 1,775 | ● 19199 |

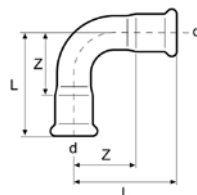


Bogen - N304
Bogen 90°, beids. Pressmuffe

Elbow 90°
MF/MF

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|--------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15,00 | 48 | 27 | 0,057 | ● 19200 |
| 18,00 | 53 | 32 | 0,077 | ● 19201 |
| 22,00 | 60 | 37 | 0,097 | ● 19202 |
| 28,00 | 71 | 47 | 0,143 | ● 19203 |
| 35,00 | 87 | 60 | 0,198 | ● 19204 |
| 42,00 | 115 | 83 | 0,314 | ● 19205 |
| 54,00 | 142 | 105 | 0,499 | ● 19206 |
| 76,10 | 150 | 95 | 0,977 | ● 19207 |
| 88,90 | 174 | 111 | 1,325 | ● 19208 |
| 108,00 | 215 | 138 | 2,091 | ● 19209 |

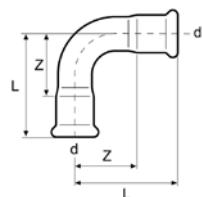


Bogen - N304
Bogen 90°, beids. Pressmuffe, R = 1,2

Elbow 90°
MF/MF, R = 1,2

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|-------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 35,00 | 75 | 48 | 0,173 | ● 36542 |
| 42,00 | 89 | 57 | 0,261 | ● 36543 |
| 54,00 | 107 | 70 | 0,391 | ● 36544 |

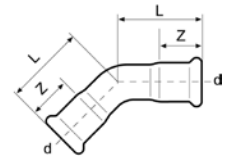


Bogen - N306
Bogen 45°, beids. Pressmuffe

Elbow 45°
MF/MF

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|--------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15,00 | 37 | 16 | 0,049 | ● 19210 |
| 18,00 | 38 | 17 | 0,059 | ● 19211 |
| 22,00 | 44 | 21 | 0,081 | ● 19212 |
| 28,00 | 51 | 27 | 0,118 | ● 19213 |
| 35,00 | 59 | 32 | 0,161 | ● 19214 |
| 42,00 | 77 | 45 | 0,254 | ● 19215 |
| 54,00 | 88 | 51 | 0,369 | ● 19216 |
| 76,10 | 98 | 43 | 0,773 | ● 19217 |
| 88,90 | 112 | 49 | 0,991 | ● 19218 |
| 108,00 | 138 | 61 | 1,600 | ● 19219 |

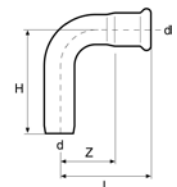


Bogen - N308
Bogen 90°, Einsteckende/Pressmuffe

Elbow 90°
MF/MF

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | H mm | Z mm | Kg/Stk/pc | AISI 316L |
|--------|------|------|-------|-----------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| 15,00 | 48 | 56 | 27,0 | 0,058 | ● 19220 |
| 18,00 | 53 | 62 | 32,0 | 0,070 | ● 19221 |
| 22,00 | 60 | 68 | 37,0 | 0,098 | ● 19222 |
| 28,00 | 71 | 80 | 47,0 | 0,147 | ● 19223 |
| 35,00 | 87 | 93 | 60,0 | 0,200 | ● 19224 |
| 42,00 | 115 | 125 | 83,0 | 0,331 | ● 19225 |
| 54,00 | 142 | 149 | 105,0 | 0,505 | ● 19226 |
| 76,10 | 150 | 165 | 95,0 | 0,982 | ● 19227 |
| 88,90 | 174 | 190 | 111,0 | 1,317 | ● 19228 |
| 108,00 | 215 | 283 | 138,0 | 2,068 | ● 19229 |



Bogen - N308

Bogen 90°, eins. Pressmuffe, R = 1,2

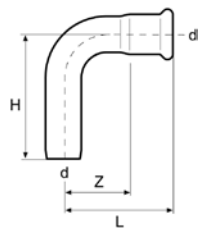
Elbow 90°

MF/NP, R = 1,2

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | H mm | Z mm | Kg/Stk/pc | AISI 316L |
|-------|------|------|------|-----------|-----------|
| 35,00 | 75 | 83 | 48,0 | 0,179 | ● 36545 |
| 42,00 | 89 | 97 | 57,0 | 0,260 | ● 36546 |
| 54,00 | 107 | 116 | 70,0 | 0,400 | ● 36547 |

Artikel-Nr.
Article-No.



Bogen - N310

Bogen 45°, Einsteckende/Pressmuffe

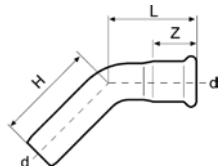
Elbow 45°

MF/MF

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | H mm | Z mm | Kg/Stk/pc | AISI 316L |
|--------|------|------|------|-----------|-----------|
| 15,00 | 37 | 48 | 16,0 | 0,053 | ● 19230 |
| 18,00 | 38 | 45 | 17,0 | 0,059 | ● 19231 |
| 22,00 | 44 | 53 | 21,0 | 0,085 | ● 19232 |
| 28,00 | 51 | 60 | 27,0 | 0,117 | ● 19233 |
| 35,00 | 59 | 66 | 32,0 | 0,160 | ● 19234 |
| 42,00 | 77 | 80 | 45,0 | 0,237 | ● 19235 |
| 54,00 | 88 | 97 | 51,0 | 0,366 | ● 19236 |
| 76,10 | 98 | 117 | 43,0 | 0,767 | ● 19237 |
| 88,90 | 112 | 131 | 49,0 | 0,998 | ● 19238 |
| 108,00 | 138 | 154 | 61,0 | 1,510 | ● 19239 |

Artikel-Nr.
Article-No.

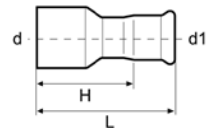


Reduziermuffe - N₃₁₂
Reduziermuffe

Reducing socket
MF/NP

VA/DVGW-zugelassen / VA/DVGW-approved

| d - d ₁ mm | L mm | H mm | Kg/Stk/pc | AISI 316L |
|-----------------------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 18-15 | 55 | 34 | 0,040 | ● 19240 |
| 22-15 | 60 | 39 | 0,045 | ● 19241 |
| 22-18 | 57 | 36 | 0,047 | ● 19242 |
| 28-15 | 72 | 51 | 0,056 | ● 19243 |
| 28-18 | 77 | 56 | 0,061 | ● 19244 |
| 28-22 | 67 | 44 | 0,065 | ● 19245 |
| 35-15 | 82 | 61 | 0,089 | ● 19246 |
| 35-18 | 87 | 66 | 0,096 | ● 19247 |
| 35-22 | 83 | 60 | 0,098 | ● 19248 |
| 35-28 | 73 | 49 | 0,112 | ● 19249 |
| 42-15 | 91 | 70 | 0,118 | ● 19250 |
| 42-18 | 96 | 75 | 0,126 | ● 19251 |
| 42-22 | 87 | 64 | 0,125 | ● 19252 |
| 42-28 | 98 | 74 | 0,140 | ● 19253 |
| 42-35 | 79 | 52 | 0,120 | ● 19254 |
| 54-15 | 110 | 89 | 0,197 | ● 19255 |
| 54-18 | 113 | 92 | 0,200 | ● 19256 |
| 54-22 | 107 | 84 | 0,191 | ● 19257 |
| 54-28 | 99 | 75 | 0,193 | ● 19258 |
| 54-35 | 128 | 101 | 0,237 | ● 19259 |
| 54-42 | 97 | 65 | 0,191 | ● 19260 |
| 76,1-54 | 140 | 103 | 0,451 | ● 31115 |
| 88,9-54 | 156 | 119 | 0,586 | ● 31196 |
| 88,9-76,1 | 156 | 101 | 0,653 | ● 31197 |
| 108-54 | 204 | 167 | 0,880 | ● 31198 |
| 108-76,1 | 196 | 141 | 0,978 | ● 31199 |
| 108-88,9 | 190 | 127 | 0,992 | ● 31200 |

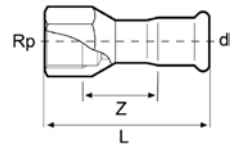


Übergangsmuffe - N314
Übergangsmuffe Innengewinde

Transition sleeve
MF/inside thread

VA/DVGW-zugelassen / VA/DVGW-approved

| d - Rp mm | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|------------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15-Rp1/2 | 53 | 20 | 0,052 | ● 19261 |
| 15-Rp3/4 | 67 | 33 | 0,081 | ● 19262 |
| 18-Rp1/2 | 51 | 18 | 0,052 | ● 19263 |
| 18-Rp3/4 | 57 | 23 | 0,077 | ● 19264 |
| 22-Rp1/2 | 52 | 17 | 0,077 | ● 19265 |
| 22-Rp3/4 | 56 | 20 | 0,075 | ● 19266 |
| 22-Rp1 | 70 | 31 | 0,105 | ● 19267 |
| 28-Rp3/4 | 73 | 36 | 0,105 | ● 19268 |
| 28-Rp1 | 62 | 22 | 0,103 | ● 19269 |
| 28-Rp1 1/4 | 80 | 39 | 0,171 | ● 19270 |
| 35-Rp1 | 81 | 38 | 0,136 | ● 19271 |
| 35-Rp1 1/4 | 72 | 28 | 0,170 | ● 19272 |
| 35-Rp1 1/2 | 83 | 39 | 0,259 | ● 19273 |
| 42-Rp1 1/4 | 94 | 45 | 0,221 | ● 19274 |
| 42-Rp1 1/2 | 74 | 25 | 0,252 | ● 19275 |
| 54-Rp1 1/2 | 106 | 52 | 0,328 | ● 19276 |
| 54-Rp2 | 84 | 25 | 0,342 | ● 19277 |

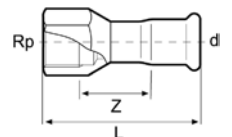


Übergangsmuffe - N314
Übergangsmuffe Innengewinde, ISO 228-1

Transition sleeve
MF/inside thread, ISO 228-1

VA/DVGW-zugelassen / VA/DVGW-approved

| d - Rp mm | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|-----------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15-Rp1/2 | 53 | 20 | 0,052 | ● 36598 |
| 18-Rp3/4 | 51 | 18 | 0,052 | ● 36599 |
| 22-Rp1/2 | 52 | 17 | 0,077 | ● 36600 |

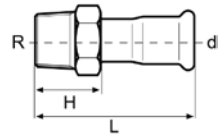


Übergangsmuffe - N₃₁₆
Übergangsmuffe Außengewinde

Transition sleeve
MF/Outside thread

VA/DVGW-zugelassen / VA/DVGW-approved

| d - R mm | L mm | H mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|-------------|------|------|-----------|-----------|----------------------------|
| 15-R1/2 | 52 | 31 | 0,052 | ● | 19278 |
| 15-R3/4 | 64 | 43 | 0,066 | ● | 19279 |
| 18-R1/2 | 52 | 31 | 0,053 | ● | 19280 |
| 18-R3/4 | 54 | 33 | 0,067 | ● | 19281 |
| 22-R1/2 | 67 | 45 | 0,073 | ● | 19283 |
| 22-R3/4 | 58 | 35 | 0,074 | ● | 19282 |
| 22-R1 | 72 | 49 | 0,116 | ● | 19284 |
| 28-R3/4 | 73 | 49 | 0,100 | ● | 19286 |
| 28-R1 | 62 | 38 | 0,115 | ● | 19285 |
| 28-R1 1/4 | 79 | 55 | 0,166 | ● | 19287 |
| 35-R1 | 82 | 55 | 0,148 | ● | 19288 |
| 35-R1 1/4 | 70 | 43 | 0,165 | ● | 19289 |
| 35-R1 1/2 | 84 | 57 | 0,198 | ● | 19290 |
| 42-R1 1/4 | 93 | 61 | 0,216 | ● | 19291 |
| 42-R1 1/2 | 75 | 43 | 0,204 | ● | 19292 |
| 54-R1 1/2 | 105 | 68 | 0,271 | ● | 19293 |
| 54-R2 | 87 | 50 | 0,368 | ● | 19294 |
| 76,1-R2 1/2 | 125 | 70 | 0,820 | ● | 31967 |
| 88,9-R3 | 138 | 75 | 1,158 | ● | 31968 |

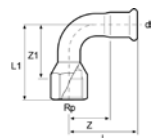


Bogen - N₃₁₈
Bogen 90° Innengewinde

Female threaded adaptor 90°
MF/inside thread

VA/DVGW-zugelassen / VA/DVGW-approved

| d-RP mm | L mm | L ₁ mm | Z mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|------------|------|-------------------|------|-----------|-----------|----------------------------|
| 15-Rp1/2 | 48 | 58 | 27 | 0,076 | ● | 19295 |
| 18-Rp1/2 | 53 | 59 | 32 | 0,084 | ● | 19296 |
| 22-RP3/4 | 60 | 68 | 37 | 0,123 | ● | 19297 |
| 28-RP1 | 71 | 81 | 47 | 0,172 | ● | 19298 |
| 35-RP1 1/4 | 87 | 95 | 60 | 0,267 | ● | 19299 |



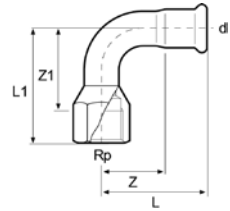
Bogen - N318
Bogen 90° Innengewinde, ISO 228-1

Female threaded adaptor 90°
MF/inside thread, ISO 228-1

VA/DVGW-zugelassen / VA/DVGW-approved

| d-RP mm | L mm | L ₁ mm | Z mm | Kg/Stk/pc | AISI 316L |
|----------|------|-------------------|------|-----------|-----------|
| 15-Rp1/2 | 48 | 58 | 27 | 0,076 | ● 36601 |
| 18-Rp1/2 | 53 | 59 | 32 | 0,084 | ● 36602 |

Artikel-Nr.
Article-No.



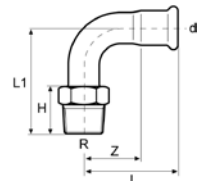
Bogen - N320
Bogen 90° Außengewinde

Male threaded adaptor 90°
MF/outside thread

VA/DVGW-zugelassen / VA/DVGW-approved

| d-R mm | L mm | H mm | Z mm | Kg/Stk/pc | AISI 316L |
|-----------|------|------|------|-----------|-----------|
| 15-R1/2 | 48 | 58 | 27 | 0,075 | ● 19300 |
| 18-R1/2 | 53 | 61 | 32 | 0,081 | ● 19301 |
| 22-R3/4 | 60 | 69 | 37 | 0,119 | ● 19302 |
| 28-R1 | 71 | 81 | 47 | 0,184 | ● 19303 |
| 35-R1/4 | 87 | 94 | 60 | 0,262 | ● 19304 |
| 42-R1 1/2 | 115 | 116 | 83 | 0,376 | ● 19305 |
| 54-R2 | 142 | 143 | 105 | 0,667 | ● 19306 |

Artikel-Nr.
Article-No.

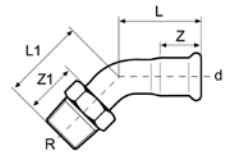


Bogen - N322
Bogen 45° Außengewinde, ISO 228-1

Male threaded adaptor 45°
MF/outside thread

VA/DVGW-zugelassen / VA/DVGW-approved

| d-R mm | L mm | H mm | Z mm | Kg/Stk/pc | AISI 316L |
|---------|------|------|------|-----------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| 15-R1/2 | 37 | 38 | 16 | 0,064 | ● 19307 |
| 18-R1/2 | 38 | 46 | 17 | 0,073 | ● 19308 |
| 22-R3/4 | 44 | 51 | 21 | 0,102 | ● 19309 |

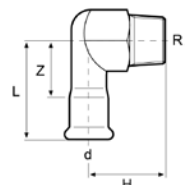


Übergangswinkel - N324
Übergangswinkel 90° Außengewinde

Male angle adaptor 90°
MF/outside thread

VA/DVGW-zugelassen / VA/DVGW-approved

| d-R mm | L mm | H mm | Z mm | Kg/Stk/pc | AISI 316L |
|-----------|------|------|------|-----------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| 15-R1/2 | 53 | 36 | 32 | 0,091 | ● 19355 |
| 15-R3/4 | 62 | 38 | 41 | 0,137 | ● 19356 |
| 18-R1/2 | 51 | 36 | 30 | 0,098 | ● 19357 |
| 18-R3/4 | 67 | 37 | 46 | 0,143 | ● 19358 |
| 22-R3/4 | 58 | 40 | 35 | 0,145 | ● 19359 |
| 28-R1 | 63 | 44 | 39 | 0,245 | ● 19360 |
| 35-R1 1/4 | 71 | 48 | 44 | 0,338 | ● 19361 |
| 42-R1 1/2 | 81 | 53 | 49 | 0,425 | ● 19362 |
| 54-R2 | 92 | 59 | 55 | 0,716 | ● 19363 |



Übergangswinkel - N326

Übergangswinkel 90° Innengewinde

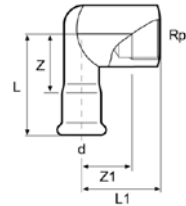
Female angle adaptor 90°

MF/inside thread

VA/DVGW-zugelassen / VA/DVGW-approved

| d-RP mm | L mm | L ₁ mm | Z mm | Z ₁ mm | Kg/Stk/pc | AISI 316L |
|------------|------|-------------------|------|-------------------|-----------|-----------|
| 15-Rp1/2 | 53 | 36 | 32 | 24 | 0,121 | ● 19364 |
| 18-Rp1/2 | 52 | 39 | 31 | 27 | 0,118 | ● 19365 |
| 22-Rp3/4 | 57 | 46 | 34 | 33 | 0,180 | ● 19366 |
| 28-Rp1 | 71 | 54 | 47 | 38 | 0,329 | ● 19367 |
| 35-Rp1 1/4 | 72 | 62 | 45 | 45 | 0,455 | ● 19368 |

Artikel-Nr.
Article-No.



Deckenwinkel - N328

Deckenwinkel 90° Innengewinde mit Flansch

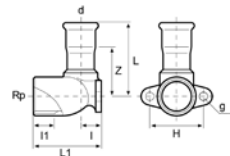
Female ceiling angle 90° with flange

MF/inside thread

VA/DVGW-zugelassen / VA/DVGW-approved

| d-G mm | L mm | L ₁ mm | Z mm | l mm | h mm | H mm | g mm | Kg/Stk/pc | AISI 316L |
|---------|------|-------------------|------|------|------|------|------|-----------|-----------|
| 15-G1/2 | 46 | 43 | 25 | 12 | 12 | 34 | 5 | 0,104 | ● 19369 |
| 18-G1/2 | 47 | 44 | 26 | 13 | 12 | 34 | 6 | 0,100 | ● 19370 |
| 22-G3/4 | 52 | 51 | 29 | 16 | 13 | 40 | 6 | 0,147 | ● 19371 |

Artikel-Nr.
Article-No.

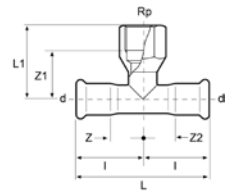


T-Stück - N326
T-Stück Innengewinde, ISO 228-1

Female adaptor T-pcs
MF/inside thread, ISO 228-1

VA/DVGW-zugelassen / VA/DVGW-approved

| d-RP mm | L mm | L ₁ mm | Z mm | Z ₁ mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|----------|------|-------------------|------|-------------------|-----------|-----------|----------------------------|
| 15-Rp1/2 | 53 | 36 | 32 | 24 | 0,099 | ● 36610 | |
| 18-Rp1/2 | 52 | 39 | 31 | 27 | 0,114 | ● 36611 | |

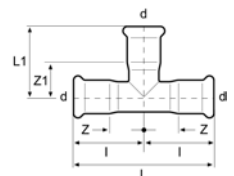


T-Stück - N332
T-Stück

T-pcs

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | L ₁ mm | Z mm | Z ₁ mm | l mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|--------|------|-------------------|------|-------------------|------|-----------|-----------|----------------------------|
| 15,00 | 74 | 35 | 16 | 14 | 37 | 0,067 | ● 19310 | |
| 18,00 | 80 | 35 | 19 | 14 | 40 | 0,084 | ● 19311 | |
| 22,00 | 82 | 40 | 18 | 17 | 41 | 0,112 | ● 19312 | |
| 28,00 | 92 | 45 | 22 | 21 | 46 | 0,149 | ● 19313 | |
| 35,00 | 102 | 55 | 24 | 28 | 51 | 0,189 | ● 19314 | |
| 42,00 | 118 | 61 | 27 | 29 | 59 | 0,275 | ● 19315 | |
| 54,00 | 142 | 72 | 34 | 35 | 71 | 0,382 | ● 19316 | |
| 76,10 | 232 | 115 | 61 | 60 | 116 | 1,192 | ● 31114 | |
| 88,90 | 262 | 127 | 68 | 64 | 131 | 1,617 | ● 31201 | |
| 108,00 | 312 | 155 | 79 | 78 | 156 | 2,450 | ● 31202 | |



● Lager / Stock

Nicht aufgeführte Abmessungen und Werkstoffe auf Anfrage
Not listed dimensions and qualities on request

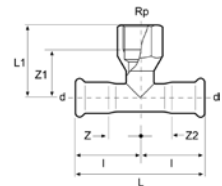
www.damstahl.com

T-Stück - N334
T-Stück Innengewinde

T-pcs
threaded branche

VA/DVGW-zugelassen / VA/DVGW-approved

| d-Rp mm | L mm | L ₁ mm | Z mm | Z ₁ mm | I mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|-----------------|------|-------------------|------|-------------------|------|-----------|-----------|----------------------------|
| 15-Rp1/2-15 | 74 | 37 | 16 | 25 | 37 | 0,083 | ● | 19338 |
| 18-Rp1/2-18 | 80 | 39 | 19 | 27 | 40 | 0,095 | ● | 19339 |
| 18-Rp3/4-18 | 80 | 43 | 19 | 30 | 40 | 0,118 | ● | 19340 |
| 22-Rp1/2-22 | 82 | 41 | 18 | 29 | 41 | 0,117 | ● | 19341 |
| 22-Rp3/4-22 | 82 | 41 | 18 | 28 | 41 | 0,131 | ● | 19342 |
| 28-Rp1/2-28 | 92 | 44 | 22 | 32 | 46 | 0,144 | ● | 19343 |
| 28-Rp3/4-28 | 92 | 45 | 22 | 32 | 46 | 0,159 | ● | 19344 |
| 28-Rp1-28 | 92 | 48 | 22 | 32 | 46 | 0,175 | ● | 19345 |
| 35-Rp1/2-35 | 102 | 48 | 24 | 36 | 51 | 0,178 | ● | 19346 |
| 35-Rp3/4-35 | 102 | 48 | 24 | 35 | 51 | 0,189 | ● | 19347 |
| 35-Rp1 1/4-35 | 102 | 57 | 24 | 40 | 51 | 0,255 | ● | 19348 |
| 42-Rp1/2-42 | 118 | 46 | 27 | 34 | 59 | 0,240 | ● | 19349 |
| 42-Rp3/4-42 | 118 | 52 | 27 | 39 | 59 | 0,254 | ● | 19350 |
| 42-Rp1 1/2-42 | 118 | 59 | 27 | 42 | 59 | 0,384 | ● | 19351 |
| 54-Rp1/2-54 | 142 | 55 | 34 | 43 | 71 | 0,362 | ● | 19352 |
| 54-Rp3/4-54 | 142 | 58 | 34 | 45 | 71 | 0,364 | ● | 19353 |
| 54-Rp2-54 | 142 | 69 | 34 | 47 | 71 | 0,523 | ● | 19354 |
| 76,1-Rp3/4-76,1 | 232 | 68 | 61 | 55 | 116 | 1,009 | ● | 31221 |
| 76,1-Rp2-76,1 | 232 | 81 | 61 | 59 | 116 | 1,194 | ● | 31222 |
| 88,9-Rp3/4-88,9 | 262 | 87 | 68 | 74 | 131 | 1,210 | ● | 31223 |
| 88,9-Rp2-88,9 | 262 | 88 | 68 | 66 | 131 | 1,450 | ● | 31224 |
| 108-Rp3/4-108 | 312 | 86 | 79 | 73 | 156 | 1,956 | ● | 31225 |
| 108-Rp2-108 | 312 | 98 | 79 | 76 | 156 | 2,118 | ● | 31226 |



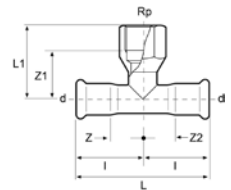
T-Stück - N334

T-Stück Innengewinde, ISO 228-1

T-pcs threaded branche
ISO 228-1

VA/DVGW-zugelassen / VA/DVGW-approved

| d-Rp mm | L mm | L ₁ mm | Z mm | Z ₁ mm | I mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|-------------|------|-------------------|------|-------------------|------|-----------|-----------|----------------------------|
| 15-Rp1/2-15 | 74 | 37 | 16 | 25 | 37 | 0,083 | ● 36603 | |
| 18-Rp1/2-18 | 80 | 39 | 19 | 27 | 40 | 0,095 | ● 36604 | |
| 22-Rp1/2-22 | 82 | 41 | 18 | 29 | 41 | 0,117 | ● 36605 | |
| 28-Rp1/2-28 | 92 | 44 | 22 | 32 | 46 | 0,144 | ● 36606 | |
| 35-Rp1/2-35 | 102 | 48 | 24 | 36 | 51 | 0,178 | ● 36607 | |
| 42-Rp1/2-42 | 118 | 59 | 27 | 42 | 59 | 0,384 | ● 36608 | |
| 54-Rp1/2-54 | 142 | 55 | 34 | 43 | 71 | 0,362 | ● 36609 | |



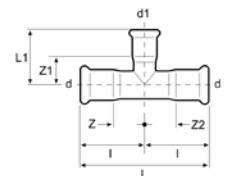
T-Stück - N336

T-Stück reduziert

T-pcs
with reduced branche

VA/DVGW-zugelassen / VA/DVGW-approved

| d-d ₁ mm | L mm | L ₁ mm | Z mm | Z ₁ mm | I mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|---------------------|------|-------------------|------|-------------------|------|-----------|-----------|----------------------------|
| 18-15-18 | 80 | 36 | 19 | 15 | 40 | 0,083 | ● 19317 | |
| 22-15-22 | 82 | 39 | 18 | 18 | 41 | 0,098 | ● 19318 | |
| 22-18-22 | 82 | 38 | 18 | 17 | 41 | 0,105 | ● 19319 | |
| 28-15-28 | 92 | 42 | 22 | 21 | 46 | 0,130 | ● 19320 | |
| 28-18-28 | 92 | 42 | 22 | 21 | 46 | 0,132 | ● 19321 | |
| 28-22-28 | 92 | 45 | 22 | 22 | 46 | 0,140 | ● 19322 | |
| 35-15-35 | 102 | 45 | 24 | 24 | 51 | 0,164 | ● 19323 | |
| 35-18-35 | 102 | 45 | 24 | 24 | 51 | 0,164 | ● 19324 | |
| 35-22-35 | 102 | 46 | 24 | 23 | 51 | 0,172 | ● 19325 | |
| 35-28-35 | 102 | 48 | 24 | 24 | 51 | 0,175 | ● 19326 | |
| 42-15-42 | 118 | 48 | 27 | 27 | 59 | 0,213 | ● 19327 | |
| 42-18-42 | 118 | 48 | 27 | 27 | 59 | 0,236 | ● 19328 | |
| 42-22-42 | 118 | 51 | 27 | 28 | 59 | 0,239 | ● 19329 | |
| 42-28-42 | 118 | 53 | 27 | 29 | 59 | 0,240 | ● 19330 | |
| 42-35-42 | 118 | 60 | 27 | 33 | 59 | 0,242 | ● 19331 | |
| 54-15-54 | 142 | 56 | 34 | 35 | 71 | 0,326 | ● 19332 | |
| 54-18-54 | 142 | 55 | 34 | 34 | 71 | 0,327 | ● 19333 | |

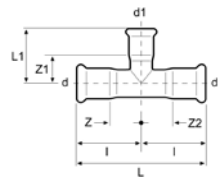


T-Stück - N336
T-Stück reduziert

T-pcs
with reduced branche

VA/DVGW-zugelassen / VA/DVGW-approved

| d-d ₁ -d mm | L mm | L ₁ mm | Z mm | Z ₁ mm | l mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|------------------------|------|-------------------|------|-------------------|------|-----------|-----------|----------------------------|
| 54-22-54 | 142 | 57 | 34 | 34 | 71 | 0,325 | ● | 19334 |
| 54-28-54 | 142 | 60 | 34 | 36 | 71 | 0,348 | ● | 19335 |
| 54-35-54 | 142 | 66 | 34 | 39 | 71 | 0,344 | ● | 19336 |
| 54-42-54 | 142 | 64 | 34 | 32 | 71 | 0,368 | ● | 19337 |
| 76,1-22-76,1 | 232 | 68 | 61 | 45 | 116 | 0,942 | ● | 31203 |
| 76,1-28-76,1 | 232 | 71 | 61 | 47 | 116 | 0,956 | ● | 31204 |
| 76,1-35-76,1 | 232 | 75 | 61 | 48 | 116 | 0,968 | ● | 31205 |
| 76,1-42-76,1 | 232 | 79 | 61 | 47 | 116 | 0,981 | ● | 31206 |
| 76,1-54-76,1 | 232 | 80 | 61 | 43 | 116 | 1,067 | ● | 31207 |
| 88,9-22-88,9 | 262 | 76 | 68 | 53 | 131 | 1,256 | ● | 31208 |
| 88,9-28-88,9 | 262 | 76 | 68 | 52 | 131 | 1,244 | ● | 31209 |
| 88,9-35-88,9 | 262 | 83 | 68 | 56 | 131 | 1,267 | ● | 31210 |
| 88,9-42-88,9 | 262 | 85 | 68 | 53 | 131 | 1,271 | ● | 31211 |
| 88,9-54-88,9 | 262 | 93 | 68 | 56 | 131 | 1,297 | ● | 31212 |
| 88,9-76,1-88,9 | 262 | 116 | 68 | 61 | 131 | 1,479 | ● | 31213 |
| 108-22-108 | 312 | 85 | 79 | 62 | 156 | 1,919 | ● | 31214 |
| 108-28-108 | 312 | 88 | 79 | 64 | 156 | 1,939 | ● | 31215 |
| 108-35-108 | 312 | 94 | 79 | 67 | 156 | 1,955 | ● | 31216 |
| 108-42-108 | 312 | 96 | 79 | 64 | 156 | 1,886 | ● | 31217 |
| 108-54-108 | 312 | 102 | 79 | 65 | 156 | 1,967 | ● | 31218 |
| 108-76,1-108 | 312 | 125 | 79 | 70 | 156 | 2,147 | ● | 31219 |
| 108-88,9-108 | 312 | 135 | 79 | 72 | 156 | 2,255 | ● | 31220 |

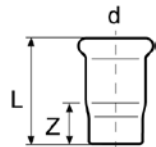


Verschlußstopfen - N338
Verschlußstopfen

Closing plug

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|--------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15,00 | 37 | 16 | 0,027 | ● 19414 |
| 18,00 | 40 | 19 | 0,033 | ● 19415 |
| 22,00 | 41 | 18 | 0,044 | ● 19416 |
| 28,00 | 46 | 22 | 0,063 | ● 19417 |
| 35,00 | 51 | 24 | 0,081 | ● 19418 |
| 42,00 | 59 | 27 | 0,119 | ● 19419 |
| 54,00 | 72 | 35 | 0,171 | ● 19420 |
| 76,10 | 95 | 40 | 0,427 | ● 31230 |
| 88,90 | 107 | 44 | 0,559 | ● 31231 |
| 108,00 | 127 | 50 | 0,821 | ● 31232 |

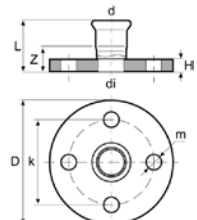


Übergangsflansch - N340
Übergangsflansch

Adaptor flange

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | D mm | d ₁ mm | L mm | H mm | m mm | k mm | Z mm | Kg/Stk/pc | AISI 316L |
|--------|------|-------------------|------|------|------|------|------|-----------|----------------------------|
| | | | | | | | | | Artikel-Nr. Article-No. |
| 15,00 | 95 | 14 | 59 | 11 | 14 | 65 | 33 | 0,582 | ● 19407 |
| 18,00 | 95 | 17 | 57 | 11 | 14 | 65 | 39 | 0,590 | ● 19408 |
| 22,00 | 105 | 21 | 59 | 12 | 14 | 75 | 39 | 0,783 | ● 19409 |
| 28,00 | 115 | 27 | 65 | 14 | 14 | 85 | 47 | 1,091 | ● 19410 |
| 35,00 | 140 | 32 | 70 | 15 | 18 | 100 | 52 | 1,717 | ● 19411 |
| 42,00 | 150 | 39 | 77 | 16 | 18 | 110 | 59 | 2,088 | ● 19412 |
| 54,00 | 165 | 51 | 86 | 18 | 18 | 125 | 75 | 2,834 | ● 19413 |
| 76,10 | 185 | 72 | 126 | 18 | 18 | 145 | 71 | 3,546 | ● 31227 |
| 88,90 | 200 | 85 | 147 | 20 | 18 | 160 | 84 | 4,344 | ● 31228 |
| 108,00 | 220 | 104 | 167 | 20 | 18 | 180 | 90 | 5,251 | ● 31229 |



● Lager / Stock

www.damstahl.com

Nicht aufgeführte Abmessungen und Werkstoffe auf Anfrage
Not listed dimensions and qualities on request

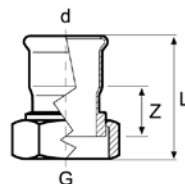
Ventilstecker - N342
Ventilstecker mit Überwurfmutter

Valve connector
with swivel nut

VA/DVGW-zugelassen / VA/DVGW-approved

| G-d | Material | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|-----------|--------------------|------|------|-----------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| G3/4-15 | Messing/Brass | 51 | 21 | 0,087 | ● 19421 |
| G3/4-18 | Messing/Brass | 52 | 22 | 0,085 | ● 19422 |
| G1-22 | Messing/Brass | 53 | 19 | 0,104 | ● 19423 |
| G1 1/4-15 | Messing/Brass | 53 | 21 | 0,175 | ● 19424 |
| G1 1/4-28 | Messing/Brass | 54 | 20 | 0,159 | ● 19425 |
| G1 1/2-35 | Messing/Brass | 64 | 26 | 0,267 | ● 19426 |
| G1 3/4-42 | Messing/Brass | 69 | 24 | 0,325 | ● 19427 |
| G2 3/8-54 | Messing/Brass | 78 | 27 | 0,476 | ● 19428 |
| G3/4-15 | Rostfrei/Stainless | 51 | 21 | 0,081 | ● 19429 |
| G1-22 | Rostfrei/Stainless | 53 | 19 | 0,097 | ● 19430 |

(ISO 228)

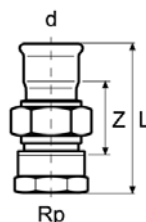


Durchgangverschraubung - N344
Durchgangverschraubung mit Innengewinde, flachdichtend

Female straight union
with swivel nut

VA/DVGW-zugelassen / VA/DVGW-approved

| d-Rp mm | L mm | Z mm | Kg/Stk/pc | AISI 316L |
|------------|------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15-Rp1/2 | 73 | 40 | 0,139 | ● 31950 |
| 15-Rp3/4 | 75 | 41 | 0,176 | ● 31951 |
| 18-Rp1/2 | 72 | 39 | 0,139 | ● 31952 |
| 18-Rp3/4 | 74 | 40 | 0,174 | ● 31953 |
| 22-Rp3/4 | 76 | 40 | 0,205 | ● 31954 |
| 22-Rp1 | 79 | 40 | 0,235 | ● 31955 |
| 28-Rp1 | 83 | 43 | 0,387 | ● 31956 |
| 35-Rp1 1/4 | 93 | 49 | 0,448 | ● 31957 |
| 42-Rp1 1/2 | 96 | 47 | 0,542 | ● 31958 |
| 54-Rp2 | 113 | 54 | 0,943 | ● 31959 |

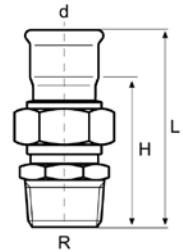


Durchgangsverschraubung - N346
Durchgangsverschraubung mit Außengewinde, flachdichtend

Male straight union
with swivel nut

VA/DVGW-zugelassen / VA/DVGW-approved

| d-R mm | L mm | H mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|-----------|------|------|-----------|-----------|----------------------------|
| 15-R1/2 | 76 | 55 | 0,141 | ● 31939 | |
| 15-R3/4 | 80 | 59 | 0,160 | ● 31940 | |
| 18-R1/2 | 76 | 55 | 0,142 | ● 31941 | |
| 18-R3/4 | 79 | 58 | 0,161 | ● 31942 | |
| 22-R1/2 | 80 | 57 | 0,232 | ● 31943 | |
| 22-R3/4 | 82 | 59 | 0,215 | ● 31944 | |
| 22-R1 | 86 | 63 | 0,249 | ● 31945 | |
| 28-R1 | 88 | 64 | 0,394 | ● 31946 | |
| 35-R1 1/4 | 100 | 73 | 0,525 | ● 31947 | |
| 42-R1 1/4 | 106 | 74 | 0,608 | ● 31948 | |
| 54-R2 | 122 | 85 | 0,978 | ● 31949 | |

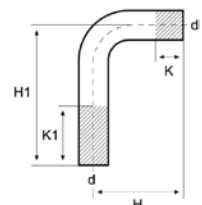


Passbogen - N350
Passbogen 90°, beids. Einsteckende

Elbow 90°
plain ends, NP/NP

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | H ₁ mm | H mm | K ₁ mm | K mm | Kg/Stk/pc | AISI 316L | Artikel-Nr. Article-No. |
|-------|-------------------|------|-------------------|------|-----------|-----------|----------------------------|
| 15,00 | 120 | 70 | 22 | 72 | 0,059 | ● 19372 | |
| 18,00 | 120 | 70 | 17 | 67 | 0,075 | ● 19373 | |
| 22,00 | 120 | 70 | 9 | 59 | 0,102 | ● 19374 | |
| 28,00 | 125 | 97 | 7 | 47 | 0,153 | ● 19375 | |
| 35,00 | 200 | 120 | 30 | 110 | 0,183 | ● 19376 | |
| 42,00 | 250 | 160 | 44 | 144 | 0,565 | ● 19377 | |
| 54,00 | 305 | 200 | 65 | 165 | 0,868 | ● 19378 | |



Passbogen - N352

Passbogen 15°, beids. Einsteckende

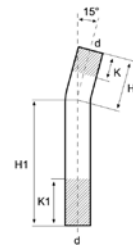
Elbow 15°

plain ends, NP/NP

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | H ₁ mm | H mm | K ₁ mm | K mm | Kg/Stk/pc | AISI 316L |
|-------|-------------------|------|-------------------|------|-----------|-----------|
| 28,00 | 136 | 45 | 7 | 47 | 0,146 | ● 19379 |
| 35,00 | 234 | 62 | 30 | 110 | 0,381 | ● 19380 |
| 42,00 | 276 | 94 | 44 | 144 | 0,558 | ● 19381 |
| 54,00 | 337 | 117 | 65 | 165 | 0,869 | ● 19382 |

Artikel-Nr.
Article-No.



Passbogen - N354

Passbogen 30°, beids. Einsteckende

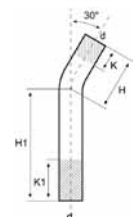
Elbow 30°

plain ends, NP/NP

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | H ₁ mm | H mm | K ₁ mm | K mm | Kg/Stk/pc | AISI 316L |
|-------|-------------------|------|-------------------|------|-----------|-----------|
| 28,00 | 130 | 54 | 7 | 47 | 0,144 | ● 19383 |
| 35,00 | 218 | 80 | 30 | 110 | 0,382 | ● 19384 |
| 42,00 | 274 | 98 | 44 | 144 | 0,560 | ● 19385 |
| 54,00 | 324 | 137 | 65 | 165 | 0,905 | ● 19386 |

Artikel-Nr.
Article-No.

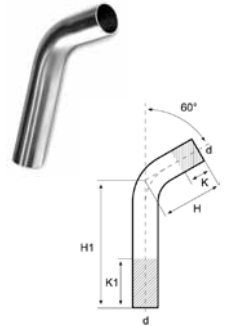


Passbogen - N358
Passbogen 60°, beids. Einsteckende

Elbow 60°
plain ends, NP/NP

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | H ₁ mm | H mm | K ₁ mm | K mm | Kg/Stk/pc | AISI 316L |
|-------|-------------------|------|-------------------|------|-----------|----------------------------|
| | | | | | | Artikel-Nr. Article-No. |
| 28,00 | 116 | 71 | 7 | 47 | 0,140 | ● 19387 |
| 35,00 | 226 | 101 | 30 | 110 | 0,383 | ● 19388 |
| 42,00 | 251 | 124 | 44 | 145 | 0,564 | ● 19389 |
| 54,00 | 308 | 162 | 65 | 165 | 0,889 | ● 19390 |

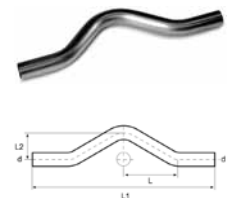


Überspringbogen - N362
Überspringbogen, lang

Pipebridge
NP/NP

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L ₁ mm | L ₂ mm | L mm | Kg/Stk/pc | AISI 316L |
|------|-------------------|-------------------|------|-----------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| 15 | 202 | 38 | 65 | 0,074 | ● 19399 |
| 18 | 236 | 43 | 68 | 0,116 | ● 19400 |
| 22 | 233 | 40 | 68 | 0,158 | ● 19401 |
| 28 | 303 | 64 | 93 | 0,258 | ● 19402 |

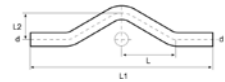


Überspringbogen - N364
Überspringbogen, kurz

Performed Pipebridge
NP/NP

VA/DVGW-zugelassen / VA/DVGW-approved

| d mm | L ₁ mm | L ₂ mm | L mm | Kg/Stk/pc | AISI 316L |
|------|-------------------|-------------------|------|-----------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| 15 | 145 | 37 | 57 | 0,054 | ● 19403 |
| 18 | 165 | 38 | 56 | 0,072 | ● 19404 |
| 22 | 181 | 40 | 60 | 0,122 | ● 19405 |
| 28 | 241 | 55 | 83 | 0,215 | ● 19406 |

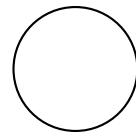


O-Ring - N366
O-Ring, EPDM, Temp. -20° bis +120°

O-Ring
EPDM, Temp. -20° until +120°

VA/DVGW-zugelassen / VA/DVGW-approved

| Rohr-Dim. mm/ Tube-Dim. mm | E mm | C mm | Gr/Stk/pc | EPDM |
|-------------------------------|-------|------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 15,00 | 15,0 | 2,6 | 0,3 | ● 19432 |
| 18,00 | 18,0 | 2,6 | 0,4 | ● 19433 |
| 22,00 | 22,0 | 3,2 | 0,7 | ● 19434 |
| 28,00 | 28,0 | 3,1 | 0,8 | ● 19435 |
| 35,00 | 35,0 | 3,1 | 1,0 | ● 19436 |
| 42,00 | 42,0 | 4,1 | 2,2 | ● 19437 |
| 54,00 | 54,0 | 4,1 | 2,8 | ● 19438 |
| 76,10 | 76,8 | 8,0 | 11,5 | ● 31233 |
| 88,90 | 89,3 | 8,2 | 17,5 | ● 31234 |
| 108,00 | 108,6 | 11,0 | 33,8 | ● 31235 |



O-Ring - N368

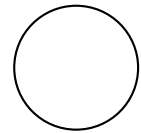
O-Ring, NITRIL/NBR, Temp. -20° bis +100°

O-Ring

NITRIL/NBR, Temp. -20° until +100°

VA/DVGW-zugelassen / VA/DVGW-approved

| Rohr-Dim. mm/ Tube-Dim. mm | E mm | C mm | Gr/Stk/pc | NITRIL/NBR | Artikel-Nr. Article-No. |
|-------------------------------|---------|---------|-----------|------------|----------------------------|
| 15,00 | 15,0 | 2,6 | 0,3 | ● 31275 | |
| 18,00 | 18,0 | 2,6 | 0,4 | ● 31276 | |
| 22,00 | 22,0 | 3,2 | 0,7 | ● 31277 | |
| 28,00 | 28,0 | 3,1 | 0,8 | ● 31278 | |
| 35,00 | 35,0 | 3,1 | 1,0 | ● 31279 | |
| 42,00 | 42,0 | 4,1 | 2,2 | ● 31280 | |
| 54,00 | 54,0 | 4,1 | 2,8 | ● 31281 | |
| 76,10 | 76,8 | 8,0 | 11,5 | ● 31282 | |
| 88,90 | 89,3 | 8,2 | 17,5 | ● 31283 | |
| 108,00 | 108,6 | 11,0 | 33,8 | ● 31284 | |



O-Ring - N370

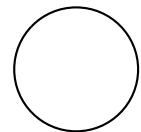
O-Ring, VITON/FKM, Temp. -20° bis +150°

O-Ring

VITON/FKM, Temp. -20° until +150°

VA/DVGW-zugelassen / VA/DVGW-approved

| Rohr-Dim. mm/ Tube-Dim. mm | E mm | C mm | Gr/Stk/pc | VITON/FKM | Artikel-Nr. Article-No. |
|-------------------------------|---------|---------|-----------|-----------|----------------------------|
| 15,00 | 15,0 | 2,6 | 0,3 | ● 31285 | |
| 18,00 | 18,0 | 2,6 | 0,4 | ● 31286 | |
| 22,00 | 22,0 | 3,2 | 0,7 | ● 31287 | |
| 28,00 | 28,0 | 3,1 | 0,8 | ● 31288 | |
| 35,00 | 35,0 | 3,1 | 1,0 | ● 31289 | |
| 42,00 | 42,0 | 4,1 | 2,2 | ● 31290 | |
| 54,00 | 54,0 | 4,1 | 2,8 | ● 31291 | |
| 76,10 | 76,8 | 8,0 | 11,5 | ● 31292 | |
| 88,90 | 89,3 | 8,2 | 17,5 | ● 31293 | |
| 108,00 | 108,6 | 11,0 | 33,8 | ● 31294 | |



Flachdichtung - N372
EPDM-Flachdichtung für Verschraubung

Fleat seal
in EPDM

VA/DVGW-zugelassen / VA/DVGW-approved

| Rohr-Dim. mm/ Tube-Dim. mm | A mm | B mm | C mm | Gr/Stk/pc | EPDM |
|-------------------------------|---------|---------|---------|-----------|----------------------------|
| | | | | | Artikel-Nr. Article-No. |
| 15,00 | 15,0 | 23,0 | 2 | 0,5 | ● 31960 |
| 18,00 | 15,0 | 23,0 | 2 | 0,5 | ● 31961 |
| 22,00 | 22,5 | 29,6 | 2 | 0,7 | ● 31962 |
| 28,00 | 27,0 | 38,6 | 2 | 1,4 | ● 31963 |
| 35,00 | 35,0 | 44,6 | 2 | 1,3 | ● 31964 |
| 42,00 | 40,0 | 50,6 | 2 | 1,7 | ● 31965 |
| 54,00 | 53,5 | 67,0 | 2 | 4,0 | ● 31966 |



DVGW-Rohre aus rostfreiem Stahl, EN 10312,
DVGW-Arbeitsblatt W541, ungeglüht

Water tubes
EN 10312

VA/DVGW-zugelassen / VA/DVGW-approved

| Rohr-Dim. mm/ Tube-Dim. mm | Länge/Length mm | Kg/m | AISI 316L |
|-------------------------------|--------------------|-------|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 15,00 x 1,00 | 6000 | 2,10 | ● 19700 |
| 18,00 x 1,00 | 6000 | 2,52 | ● 19701 |
| 22,00 x 1,20 | 6000 | 3,84 | ● 19702 |
| 28,00 x 1,20 | 6000 | 4,52 | ● 19703 |
| 35,00 x 1,50 | 6000 | 7,56 | ● 19704 |
| 42,00 x 1,50 | 6000 | 9,48 | ● 19705 |
| 54,00 x 1,50 | 6000 | 15,00 | ● 19706 |
| 76,10 x 2,00 | 6000 | 22,44 | ● 19707 |
| 88,90 x 2,00 | 6000 | 26,10 | ● 19708 |
| 108,00 x 2,00 | 6000 | 32,04 | ● 19709 |

● Lager / Stock

www.damstahl.com

Alle angegebenen Maße/Zeichnungen sind ca-Angaben und können eventuell abweichen
All dimensions/drawings are approximate and may deviate from specifications



Index

| | |
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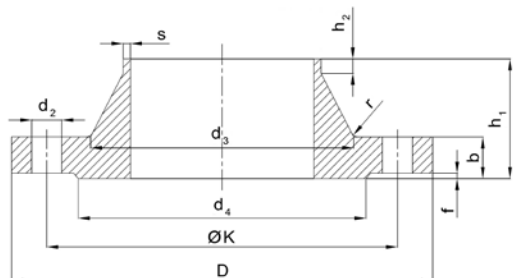
Vorschweißflansch, DIN 2633 PN 16, DIN 2635 PN 40, Form C/2559,
V-Naht, DIN EN 1092-1 Typ 11, Form B1, AD2000-W2, Wg, W10

Welding neck flange, DIN 2633 PN 16, DIN 2635 PN 40, form C/2559,
V-weld, DIN EN 1092-1 type 11, form B1, AD2000-W2, Wg, W10

| DN | Rohran- schlußmaß | PN | D | b | K | h_1 | d_3 | s | h_2 | d_4 | f | Gew. | d_2 | Löcher | kg/ Stk | EN 4404 Artikel-Nr. | 4541 Artikel-Nr. | 4571 Artikel-Nr. |
|--------|----------------------|----|-----|----|-----|-------|-------|------|-------|-------|---|------|--------|--------|-------------|------------------------|---------------------|---------------------|
| Dim. | | | | | | | | | | | | | holes | kg/pc | Article-No. | Article-No. | Article-No. | |
| thread | | | | | | | | | | | | | thread | holes | kg/pc | Article-No. | Article-No. | Article-No. |
| 15 | 21,30 | 16 | 95 | 14 | 65 | 35 | 32 | 2,00 | 6 | 45 | 2 | M12 | 14 | 4 | 0,648 | ● 36477** | ● 29503 | ● 29485 |
| 15 | 21,30 | 40 | 95 | 16 | 65 | 38 | 32 | 2,00 | 6 | 45 | 2 | M12 | 14 | 4 | 0,746 | | ● 34537* | ● 36342* |
| 20 | 26,90 | 16 | 105 | 16 | 75 | 38 | 40 | 2,30 | 6 | 58 | 2 | M12 | 14 | 4 | 0,952 | ● 36478** | ● 29504 | ● 29486 |
| 20 | 26,90 | 40 | 105 | 18 | 75 | 40 | 40 | 2,30 | 6 | 58 | 2 | M12 | 14 | 4 | 1,060 | | | ● 36343* |
| 25 | 33,70 | 16 | 115 | 16 | 85 | 38 | 45 | 2,60 | 6 | 68 | 2 | M12 | 14 | 4 | 1,140 | ● 36479** | ● 29505 | ● 29487 |
| 25 | 33,70 | 40 | 115 | 18 | 85 | 40 | 46 | 2,60 | 6 | 68 | 2 | M12 | 14 | 4 | 1,300 | | ● 34539* | ● 36344* |
| 32 | 42,40 | 16 | 140 | 16 | 100 | 40 | 56 | 2,60 | 6 | 78 | 2 | M16 | 18 | 4 | 1,690 | | ● 29506 | ● 29489 |
| 32 | 42,40 | 40 | 140 | 18 | 100 | 42 | 56 | 2,60 | 6 | 78 | 2 | M16 | 18 | 4 | 1,910 | | ● 34540* | ● 36345* |
| 40 | 48,30 | 16 | 150 | 16 | 110 | 42 | 64 | 2,60 | 7 | 88 | 3 | M16 | 18 | 4 | 1,860 | ● 36481** | ● 29507 | ● 29490 |
| 40 | 48,30 | 40 | 150 | 18 | 110 | 45 | 64 | 2,60 | 7 | 88 | 3 | M16 | 18 | 4 | 2,330 | | ● 34541* | ● 36346* |
| 50 | 60,30 | 16 | 165 | 18 | 125 | 45 | 75 | 2,90 | 8 | 102 | 3 | M16 | 18 | 4 | 2,530 | ● 36482* | ● 36325* | ● 36326* |
| 50 | 60,30 | 40 | 165 | 20 | 125 | 48 | 75 | 2,90 | 8 | 102 | 3 | M16 | 18 | 4 | 2,820 | | | ● 36347* |
| 65 | 76,10 | 16 | 185 | 18 | 145 | 45 | 90 | 2,90 | 10 | 122 | 3 | M16 | 18 | 4 | 3,060 | ● 36483* | ● 36327* | ● 36328* |
| 65 | 76,10 | 40 | 185 | 22 | 145 | 52 | 90 | 2,90 | 10 | 122 | 3 | M16 | 18 | 8 | 3,680 | | | ● 36348* |
| 80 | 88,90 | 16 | 200 | 20 | 160 | 50 | 105 | 3,20 | 10 | 138 | 3 | M16 | 18 | 8 | 3,700 | ● 36484* | ● 29510* | ● 36329* |
| 80 | 88,90 | 40 | 200 | 24 | 160 | 58 | 105 | 3,20 | 12 | 138 | 3 | M16 | 18 | 8 | 4,780 | | | ● 36349* |
| 100 | 108,00 | 16 | 220 | 20 | 180 | 52 | 125 | 3,60 | 12 | 158 | 3 | M16 | 18 | 8 | 4,620 | | ● 29511** | ● 29500 |
| 100 | 114,30 | 16 | 220 | 20 | 180 | 52 | 131 | 3,60 | 12 | 158 | 3 | M16 | 18 | 8 | 4,620 | ● 36485* | ● 36319* | ● 36320* |
| 100 | 114,30 | 40 | 235 | 24 | 190 | 65 | 134 | 3,60 | 12 | 162 | 3 | M20 | 22 | 8 | 6,520 | | | ● 36341* |

* DIN/EN

** DIN



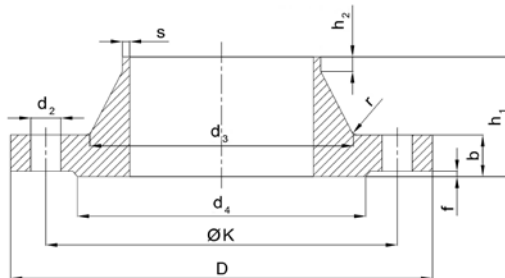
Vorschweißflansch, DIN 2633 PN 16, DIN 2635 PN 40, Form C/2559,
V-Naht, DIN EN 1092-1 Typ 11, Form B1, AD2000-W2, W9, W10

Welding neck flange, DIN 2633 PN 16, DIN 2635 PN 40, form C/2559,
V-weld, DIN EN 1092-1 type 11, form B1, AD2000-W2, W9, W10

| DN | Rohr- schlußmaß | PN | D | b | K | h_1 | d_3 | s | h_2 | d_4 | f | Gew. d_2 | Locher | kg/ Stk | EN 4404 Artikel-Nr. | 4541 Artikel-Nr. | 4571 Artikel-Nr. | |
|--------|--------------------|----|-----|----|-----|-------|-------|------|-------|-------|---|------------|--------|------------|------------------------|---------------------|---------------------|-----------|
| Dim. | | | | | | | | | | | | | holes | kg/pc | Article-No. | Article-No. | Article-No. | |
| thread | | | | | | | | | | | | | | | | | | |
| 125 | 139,70 | 16 | 250 | 22 | 210 | 55 | 156 | 4,00 | 12 | 188 | 3 | M16 | 18 | 8 | 6,300 | ● 36486* | ● 29513* | ● 36321* |
| 125 | 139,70 | 40 | 270 | 26 | 220 | 68 | 162 | 4,00 | 12 | 188 | 3 | M24 | 26 | 8 | 9,070 | | | ● 29526* |
| 150 | 159,00 | 16 | 285 | 22 | 240 | 55 | 175 | 4,50 | 12 | 212 | 3 | M20 | 22 | 8 | 7,775 | | | ● 29496** |
| 150 | 168,30 | 16 | 285 | 22 | 240 | 55 | 184 | 4,50 | 12 | 212 | 3 | M20 | 22 | 8 | 7,775 | ● 36487* | ● 29514 | ● 36322* |
| 150 | 168,30 | 40 | 300 | 28 | 250 | 75 | 192 | 4,50 | 12 | 218 | 3 | M24 | 26 | 8 | 11,800 | | | ● 29520* |
| 200 | 219,10 | 10 | 340 | 24 | 295 | 62 | 235 | 5,90 | 16 | 268 | 3 | M20 | 22 | 8 | 11,300 | ● 36488* | ● 29530** | ● 29535** |
| 200 | 219,10 | 16 | 340 | 24 | 295 | 62 | 235 | 6,30 | 16 | 268 | 3 | M20 | 22 | 12 | 11,500 | | ● 29515** | ● 36324* |
| 250 | 273,00 | 10 | 395 | 26 | 350 | 68 | 292 | 6,30 | 16 | 320 | 3 | M20 | 22 | 12 | 14,700 | | ● 29528* | ● 29534 |
| 250 | 273,00 | 16 | 405 | 26 | 355 | 70 | 292 | 6,30 | 16 | 320 | 3 | M24 | 26 | 12 | 15,600 | | ● 29516* | ● 29484* |
| 300 | 323,90 | 10 | 445 | 26 | 400 | 68 | 344 | 7,10 | 16 | 370 | 4 | M20 | 22 | 12 | 17,400 | | ● 29529 | ● 29533* |
| 300 | 323,90 | 16 | 460 | 28 | 410 | 78 | 344 | 7,10 | 16 | 378 | 4 | M24 | 26 | 12 | 22,000 | | ● 29502* | ● 29499* |
| 350 | 355,60 | 10 | 505 | 26 | 460 | 68 | 385 | 7,10 | 16 | 430 | 4 | M20 | 22 | 16 | 23,600 | | ● 29532* | ● 29537* |
| 400 | 406,40 | 10 | 565 | 26 | 515 | 72 | 440 | 7,10 | 16 | 482 | 4 | M24 | 26 | 16 | 28,600 | | ● 29531* | ● 29536* |
| 500 | 508,00 | 10 | 670 | 28 | 620 | 75 | 542 | 7,10 | 16 | 585 | 4 | M24 | 26 | 20 | 38,100 | | ● 29527* | ● 29538* |
| 600 | 610,00 | 10 | 780 | 28 | 725 | 80 | 642 | 7,10 | 18 | 685 | 5 | M27 | 30 | 20 | 44,600 | | | ● 31775** |

* DIN/EN

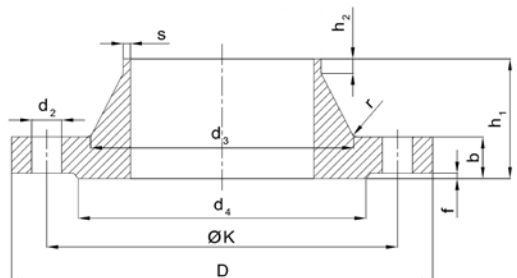
** DIN



Vorschweißflansch, DIN EN 1092-1 Typ 11, Form B₁,
S-Maß reduziert, V-Naht, AD2000-W₂, W_g, W₁₀

Welding neck flange, DIN EN 1092-1 Typ 11, Form B₁,
reduced s-dimension, V-weld, AD2000-W₂, W_g, W₁₀

| DN | Rohran- schlußmaß Dim. | PN | D | b | K | h ₁ | d ₃ | s | r | h ₂ | d ₄ | f | Gew. | d ₂ | Löcher | kg/ Stk | EN 4571 Artikel-Nr. |
|-----|------------------------------|----|-----|----|-----|----------------|----------------|------|----|----------------|----------------|---|--------|----------------|--------|---------|------------------------|
| | | | | | | | | | | | | | thread | | holes | kg/pc | Article-No. |
| 200 | 219,10 | 10 | 340 | 24 | 295 | 62 | 234 | 2,90 | 10 | 16 | 268 | 3 | M20 | 22 | 8 | 11,300 | ● 36316 |
| 250 | 273,00 | 10 | 395 | 26 | 350 | 68 | 292 | 2,90 | 12 | 16 | 320 | 3 | M20 | 22 | 12 | 14,700 | ● 36317 |
| 300 | 329,90 | 16 | 405 | 26 | 400 | 68 | 342 | 2,90 | 12 | 16 | 370 | 4 | M20 | 22 | 12 | 17,400 | ● 36318 |



Vorschweißflanschr Maschinenschweißer / I-Naht

PN 16-M, WN IGR 12-02633, Form C, AD2000-W2, W9, W10

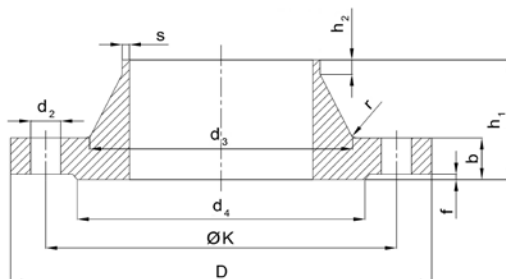
PN 40-M, WN IGR 12-02635, Form C, AD2000-W2, W9, W10

Welding neck flange for machine welding / I-weld

PN 16-M, WN IGR 12-02633, Form C, AD2000-W2, W9, W10

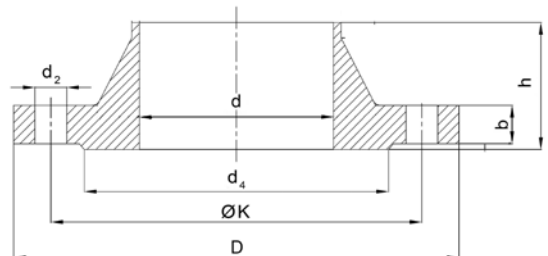
PN 40-M, WN IGR 12-02635, Form C, AD2000-W2, W9, W10

| DN | Rohr- schlußmaß | PN | D | b | K | h1 | d3 | s | r | h2 | d4 | f | Gew. | d ₂ | Löcher | kg/ Stk | EN 4571 Artikel-Nr. |
|------|--------------------|------|-----|----|-----|----|-----|------|----|----|-----|---|--------|----------------|--------|-------------|------------------------|
| Dim. | | | | | | | | | | | | | thread | holes | kg/pc | Article-No. | |
| 15 | 21,30 | 16-M | 95 | 14 | 65 | 36 | 32 | 1,60 | 4 | 6 | 45 | 2 | M12 | 14 | 4 | 0,648 | ● 36333 |
| 15 | 21,30 | 40-M | 95 | 16 | 65 | 38 | 32 | 1,60 | 4 | 6 | 45 | 2 | M12 | 14 | 4 | 0,746 | ● 36353 |
| 20 | 26,90 | 16-M | 105 | 16 | 75 | 38 | 40 | 1,60 | 4 | 6 | 58 | 2 | M12 | 14 | 4 | 0,952 | ● 36334 |
| 25 | 33,70 | 16-M | 115 | 16 | 85 | 38 | 45 | 2,00 | 4 | 6 | 68 | 2 | M12 | 14 | 4 | 1,140 | ● 36335 |
| 25 | 33,70 | 40-M | 115 | 18 | 85 | 40 | 46 | 2,00 | 4 | 6 | 68 | 2 | M12 | 14 | 4 | 1,290 | ● 36354 |
| 32 | 42,40 | 16-M | 140 | 16 | 100 | 40 | 56 | 2,00 | 6 | 6 | 78 | 2 | M16 | 18 | 4 | 1,690 | ● 36336 |
| 32 | 42,40 | 40-M | 140 | 18 | 100 | 42 | 56 | 2,00 | 6 | 6 | 78 | 2 | M16 | 18 | 4 | 1,290 | ● 36355 |
| 40 | 48,30 | 16-M | 150 | 16 | 110 | 42 | 64 | 2,00 | 6 | 7 | 88 | 3 | M16 | 18 | 4 | 1,860 | ● 36337 |
| 40 | 48,30 | 40-M | 150 | 18 | 110 | 45 | 64 | 2,00 | 6 | 7 | 88 | 3 | M16 | 18 | 4 | 2,330 | ● 36356 |
| 50 | 60,30 | 16-M | 165 | 18 | 125 | 45 | 75 | 2,00 | 6 | 8 | 102 | 3 | M16 | 18 | 4 | 2,530 | ● 36338 |
| 50 | 60,30 | 40-M | 165 | 20 | 125 | 48 | 75 | 2,00 | 6 | 8 | 102 | 3 | M16 | 18 | 4 | 2,820 | ● 36357 |
| 65 | 76,10 | 16-M | 185 | 18 | 145 | 45 | 90 | 2,30 | 6 | 10 | 122 | 3 | M16 | 18 | 4 | 3,060 | ● 36339 |
| 65 | 76,10 | 40-M | 185 | 22 | 145 | 52 | 90 | 2,30 | 6 | 10 | 122 | 3 | M16 | 18 | 8 | 3,740 | ● 36358 |
| 80 | 88,90 | 16-M | 200 | 20 | 160 | 50 | 105 | 2,30 | 8 | 10 | 138 | 3 | M16 | 18 | 8 | 3,700 | ● 36340 |
| 80 | 88,90 | 40-M | 200 | 24 | 160 | 58 | 105 | 2,30 | 8 | 12 | 138 | 3 | M16 | 18 | 8 | 4,750 | ● 36359 |
| 100 | 114,30 | 16-M | 220 | 20 | 180 | 52 | 131 | 2,60 | 8 | 12 | 158 | 3 | M16 | 18 | 8 | 4,620 | ● 36330 |
| 100 | 114,30 | 40-M | 235 | 24 | 190 | 65 | 134 | 2,60 | 8 | 12 | 162 | 3 | M20 | 22 | 8 | 6,520 | ● 36350 |
| 125 | 139,70 | 16-M | 250 | 22 | 210 | 55 | 156 | 2,60 | 8 | 12 | 188 | 3 | M16 | 18 | 8 | 6,300 | ● 36331 |
| 150 | 168,30 | 16-M | 285 | 22 | 240 | 55 | 184 | 2,60 | 10 | 12 | 212 | 3 | M20 | 22 | 8 | 7,750 | ● 36332 |
| 150 | 168,30 | 40-M | 300 | 28 | 250 | 75 | 192 | 3,60 | 10 | 12 | 218 | 3 | M24 | 26 | 8 | 11,800 | ● 36351 |



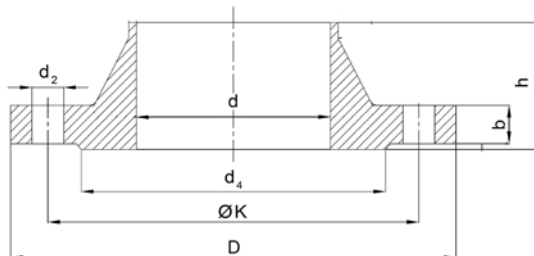
Vorschweißflansch
150lbs, gem. ASTM A 182,
ASME B16.5 WN/RF
Welding neck flange
150lbs, acc. to ASTM A 182,
ASME B16.5 WN/RF

| Abm./ Dim. | Zoll/Inch Schedule | D | d | b | K | h | d ₁ | d ₂ | Löcher | kg/ Stk | 304L/ 1.4307 | 316L/ 1.4404 | |
|---------------|-----------------------|--------|--------|-------|--------|--------|----------------|----------------|--------|------------|-----------------|-----------------|----------|
| | | | | | | | | | | holes | kg/pc | Art.-No. | Art.-No. |
| 21,34 x 2,11 | 1/2" - SCH10 | 88,90 | 15,70 | 11,20 | 60,50 | 47,80 | 35,10 | 15,70 | 4 | 0,490 | ● 37216 | ● 37229 | |
| x 2,77 | 1/2" - SCH40 | 88,90 | 15,70 | 11,20 | 60,50 | 47,80 | 35,10 | 15,70 | 4 | 0,500 | ● 37242 | ● 37255 | |
| 26,67 x 2,11 | 3/4" - SCH10 | 98,60 | 20,80 | 12,70 | 69,90 | 52,30 | 42,90 | 15,70 | 4 | 0,710 | ● 37217 | ● 37230 | |
| x 2,87 | 3/4" - SCH40 | 98,60 | 20,80 | 12,70 | 69,90 | 52,30 | 42,90 | 15,70 | 4 | 0,700 | ● 37243 | ● 37256 | |
| 33,40 x 2,77 | 1" - SCH10 | 108,00 | 26,70 | 14,20 | 79,20 | 55,60 | 50,80 | 15,70 | 4 | 1,080 | ● 37218 | ● 37231 | |
| x 3,38 | 1" - SCH40 | 108,00 | 26,70 | 14,20 | 79,20 | 55,60 | 50,80 | 15,70 | 4 | 1,100 | ● 37244 | ● 37257 | |
| 42,16 x 2,77 | 1 1/4" - SCH10 | 117,30 | 35,10 | 15,70 | 88,90 | 57,20 | 63,50 | 15,70 | 4 | 1,460 | ● 37219 | ● 37232 | |
| x 3,56 | 1 1/4" - SCH40 | 117,30 | 35,10 | 15,70 | 88,90 | 57,20 | 63,50 | 15,70 | 4 | 1,500 | ● 37245 | ● 37258 | |
| 48,26 x 2,77 | 1 1/2" - SCH10 | 127,00 | 40,90 | 17,50 | 98,60 | 62,00 | 73,20 | 15,70 | 4 | 1,740 | ● 37220 | ● 37233 | |
| x 3,68 | 1 1/2" - SCH40 | 127,00 | 40,90 | 17,50 | 98,60 | 62,00 | 73,20 | 15,70 | 4 | 1,800 | ● 37246 | ● 37259 | |
| 60,33 x 2,77 | 2" - SCH10 | 152,40 | 52,60 | 19,10 | 120,70 | 63,50 | 91,90 | 19,10 | 4 | 2,600 | ● 37221 | ● 37234 | |
| x 3,91 | 2" - SCH40 | 152,40 | 52,60 | 19,10 | 120,70 | 63,50 | 91,90 | 19,10 | 4 | 2,700 | ● 37247 | ● 37260 | |
| 72,03 x 3,05 | 2 1/2" - SCH10 | 177,80 | 62,70 | 22,40 | 139,70 | 69,90 | 104,60 | 19,10 | 4 | 4,160 | ● 37222 | ● 37235 | |
| x 5,16 | 2 1/2" - SCH40 | 177,80 | 62,70 | 22,40 | 139,70 | 69,90 | 104,60 | 19,10 | 4 | 4,400 | ● 37248 | ● 37261 | |
| 88,90 x 3,05 | 3" - SCH10 | 190,50 | 78,00 | 23,90 | 152,40 | 69,90 | 127,00 | 19,10 | 4 | 4,860 | ● 37223 | ● 37236 | |
| x 5,49 | 3" - SCH40 | 190,50 | 78,00 | 23,90 | 152,40 | 69,90 | 127,00 | 19,10 | 4 | 5,200 | ● 37249 | ● 37262 | |
| 114,30 x 3,05 | 4" - SCH10 | 228,60 | 102,40 | 23,90 | 190,50 | 76,20 | 157,20 | 19,10 | 8 | 6,910 | ● 37225 | ● 37238 | |
| x 6,02 | 4" - SCH40 | 228,60 | 102,40 | 23,90 | 190,50 | 76,20 | 157,20 | 19,10 | 8 | 7,500 | ● 37251 | ● 37264 | |
| 141,30 x 3,40 | 5" - SCH10 | 254,00 | 128,30 | 23,90 | 215,90 | 88,90 | 185,70 | 22,40 | 8 | 8,280 | ● 37226 | ● 37239 | |
| x 6,55 | 5" - SCH40 | 254,00 | 128,30 | 23,90 | 215,90 | 88,90 | 185,70 | 22,40 | 8 | 9,200 | ● 37252 | ● 37265 | |
| 168,28 x 3,40 | 6" - SCH10 | 279,40 | 154,20 | 25,40 | 241,30 | 88,90 | 215,90 | 22,40 | 8 | 9,700 | ● 37227 | ● 37240 | |
| x 7,11 | 6" - SCH40 | 279,40 | 154,20 | 25,40 | 241,30 | 88,90 | 215,90 | 22,40 | 8 | 11,000 | ● 37253 | ● 37266 | |
| 219,08 x 3,76 | 8" - SCH10 | 342,90 | 202,70 | 28,40 | 298,50 | 101,60 | 269,70 | 22,40 | 8 | 15,980 | ● 37228 | ● 37241 | |
| x 8,18 | 8" - SCH40 | 342,90 | 202,70 | 28,40 | 298,50 | 101,60 | 269,70 | 22,40 | 8 | 18,300 | ● 37254 | ● 37267 | |



Vorschweißflansch
 300lbs, gem. ASTM A 182,
 ASME B16.5 WN/RF
 Welding neck flange
 300lbs, acc. to ASTM A 182,
 ASME B16.5 WN/RF

| Abm./ Dim. | Zoll/Inch Schedule | D | d | b | K | h | d ₄ | d ₂ | Löcher | kg/ Stk | 304L/ 1.4307 | 316L/ 1.4404 |
|---------------|-----------------------|--------|--------|-------|--------|--------|----------------|----------------|--------|------------|-----------------|-----------------|
| | | | | | | | | | holes | kg/pc | Art.-No. | Art.-No. |
| 21,34 x 2,11 | 1/2" - SCH10 | 95,20 | 15,70 | 14,20 | 66,50 | 52,30 | 35,00 | 15,70 | 4 | 0,890 | ● 37268 | ● 37281 |
| x 2,77 | 1/2" - SCH40 | 95,20 | 15,70 | 14,20 | 66,50 | 52,30 | 35,00 | 15,70 | 4 | 0,900 | ● 37294 | ● 37307 |
| 26,67 x 2,11 | 3/4" - SCH10 | 117,30 | 20,80 | 15,70 | 82,50 | 57,20 | 42,90 | 19,10 | 4 | 1,480 | ● 37269 | ● 37282 |
| x 2,87 | 3/4" - SCH40 | 117,30 | 20,80 | 15,70 | 82,50 | 57,20 | 42,90 | 19,10 | 4 | 1,500 | ● 37295 | ● 37308 |
| 33,40 x 2,77 | 1" - SCH10 | 124,00 | 26,70 | 17,50 | 88,90 | 62,00 | 50,80 | 19,10 | 4 | 1,870 | ● 37270 | ● 37283 |
| x 3,38 | 1" - SCH40 | 124,00 | 26,70 | 17,50 | 88,90 | 62,00 | 50,80 | 19,10 | 4 | 1,900 | ● 37296 | ● 37309 |
| 42,16 x 2,77 | 1 1/4" - SCH10 | 133,40 | 35,10 | 19,10 | 98,60 | 65,00 | 63,50 | 19,10 | 4 | 2,550 | ● 37271 | ● 37284 |
| x 3,56 | 1 1/4" - SCH40 | 133,40 | 35,10 | 19,10 | 98,60 | 65,00 | 63,50 | 19,10 | 4 | 2,600 | ● 37297 | ● 37310 |
| 48,26 x 2,77 | 1 1/2" - SCH10 | 155,40 | 40,90 | 20,60 | 114,30 | 68,30 | 73,20 | 22,40 | 4 | 3,240 | ● 37272 | ● 37285 |
| x 3,68 | 1 1/2" - SCH40 | 155,40 | 40,90 | 20,60 | 114,30 | 68,30 | 73,20 | 22,40 | 4 | 3,300 | ● 37298 | ● 37311 |
| 60,33 x 2,77 | 2" - SCH10 | 165,10 | 52,60 | 22,40 | 127,00 | 69,90 | 91,90 | 19,10 | 8 | 3,490 | ● 37273 | ● 37286 |
| x 3,91 | 2" - SCH40 | 165,10 | 52,60 | 22,40 | 127,00 | 69,90 | 91,90 | 19,10 | 8 | 3,600 | ● 37299 | ● 37312 |
| 72,03 x 3,05 | 2 1/2" - SCH10 | 190,50 | 62,70 | 25,40 | 149,40 | 76,20 | 104,60 | 22,40 | 8 | 5,180 | ● 37274 | ● 37287 |
| x 5,16 | 2 1/2" - SCH40 | 190,50 | 62,70 | 25,40 | 149,40 | 76,20 | 104,60 | 22,40 | 8 | 5,440 | ● 37300 | ● 37313 |
| 88,90 x 3,05 | 3" - SCH10 | 209,60 | 78,00 | 28,40 | 168,10 | 79,20 | 127,00 | 22,40 | 8 | 7,010 | ● 37275 | ● 37288 |
| x 5,49 | 3" - SCH40 | 209,60 | 78,00 | 28,40 | 168,10 | 79,20 | 127,00 | 22,40 | 8 | 7,400 | ● 37301 | ● 37314 |
| 114,30 x 3,05 | 4" - SCH10 | 254,00 | 102,40 | 31,80 | 200,20 | 85,90 | 157,20 | 22,40 | 8 | 11,230 | ● 37277 | ● 37290 |
| x 6,02 | 4" - SCH40 | 254,00 | 102,40 | 31,80 | 200,20 | 85,90 | 157,20 | 22,40 | 8 | 11,900 | ● 37303 | ● 37316 |
| 141,30 x 3,40 | 5" - SCH10 | 279,40 | 128,30 | 35,10 | 235,00 | 98,60 | 185,70 | 22,40 | 8 | 14,990 | ● 37278 | ● 37291 |
| x 6,55 | 5" - SCH40 | 279,40 | 128,30 | 35,10 | 235,00 | 98,60 | 185,70 | 22,40 | 8 | 16,000 | ● 37304 | ● 37317 |
| 168,28 x 3,40 | 6" - SCH10 | 317,50 | 154,20 | 36,60 | 269,70 | 98,60 | 215,90 | 22,40 | 12 | 18,760 | ● 37279 | ● 37292 |
| x 7,11 | 6" - SCH40 | 317,50 | 154,20 | 36,60 | 269,70 | 98,60 | 215,90 | 22,40 | 12 | 20,200 | ● 37305 | ● 37318 |
| 219,08 x 3,76 | 8" - SCH10 | 381,00 | 202,70 | 41,10 | 330,20 | 111,30 | 269,70 | 25,40 | 12 | 28,770 | ● 37280 | ● 37293 |
| x 8,18 | 8" - SCH40 | 381,00 | 202,70 | 41,10 | 330,20 | 111,30 | 269,70 | 25,40 | 12 | 31,300 | ● 37306 | ● 37319 |

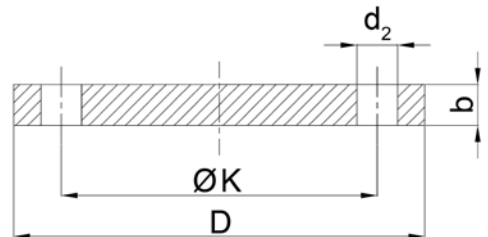


Blindflansch DIN 2527/2528/2519/2526 Form B, PN 10/16/40,
DIN EN 1092-1, Typ 5, Form A, AD2000-W2, W9, W10

Blind flange DIN 2527/2528/2519/2526 Form B, PN 10/16/40,
DIN EN 1092-1, Typ 5, Form A, AD2000-W2, W9, W10

| DN | PN | D | b | K | Gewinde thread | d ₂ | Löcher holes | kg/Stk kg/pc | EN 4541 Artikel-Nr. | EN 4571 Artikel-Nr. |
|-----|----------|------------------|----------------|------------------|-------------------|----------------|-----------------|------------------|--------------------------|--------------------------|
| 15 | 16 40 | 95,00 | 16,00 | 65,00 | M12 | 14,00 | 4,00 | 0,813 | ● 29373** ● 34519 *** | ● 29360** ● 35621*** |
| 20 | 16 40 | 105,00 | 18,00 | 75,00 | M12 | 14,00 | 4,00 | 1,140 | ● 29372** ● 35622*** | ● 29359** ● 35623*** |
| 25 | 16 40 | 115,00 | 18,00 | 85,00 | M12 | 14,00 | 4,00 | 1,380 | ● 29368** ● 34520*** | ● 29358** ● 35624*** |
| 32 | 16 40 | 140,00 | 18,00 | 100,00 | M16 | 18,00 | 4,00 | 2,030 | ● 29365** ● 34521*** | ● 29350** ● 35625*** |
| 40 | 16 40 | 150,00 | 18,00 | 110,00 | M16 | 18,00 | 4,00 | 2,350 | ● 29362** ● 34522*** | ● 29351** ● 35626*** |
| 50 | 16 40 | 165,00 | 18,00 20,00 | 125,00 | M16 | 18,00 | 4,00 | 2,880 3,200 | ● 29363* | ● 35615*** ● 35627*** |
| 65 | 16 40 | 185,00 | 18,00 22,00 | 145,00 | M16 | 18,00 | 8,00 | 3,510 4,290 | ● 29369* | ● 35616*** ● 35628*** |
| 80 | 16 40 | 200,00 | 20,00 24,00 | 160,00 | M16 | 18,00 | 8,00 | 4,610 5,540 | ● 29364* | ● 35617*** ● 35629*** |
| 100 | 16 40 | 220,00 235,00 | 20,00 24,00 | 180,00 190,00 | M16 M20 | 18,00 22,00 | 8,00 | 5,650 7,600 | ● 29370* | ● 35610*** ● 35618*** |
| 125 | 16 40 | 250,00 270,00 | 22,00 26,00 | 210,00 220,00 | M16 M24 | 18,00 26,00 | 8,00 | 8,130 10,800 | ● 29371* | ● 35611*** ● 35619** |
| 150 | 16 40 | 285,00 300,00 | 22,00 28,00 | 240,00 250,00 | M20 M24 | 22,00 26,00 | 8,00 | 10,500 14,600 | ● 29367* | ● 35612*** ● 35620*** |
| 200 | 10 16 | 340,00 | 24,00 | 295,00 | M20 | 22,00 | 8,00 12,00 | 16,500 16,200 | ● 29366* | ● 35609*** ● 35614*** |
| 250 | 10 | 395,00 | 26,00 | 350,00 | M20 | 22,00 | 12,00 | 24,100 | ● 29361* | ● 29378* |
| 300 | 10 | 445,00 | 26,00 | 400,00 | M20 | 22,00 | 12,00 | 30,800 | ● 29374* | ● 29376* |
| 400 | 10 | 565,00 | 26,00 | 515,00 | M24 | 26,00 | 16,00 | 49,400 | | ● 33874* |

* DIN/EN
** DIN
*** EN



Blindflansch

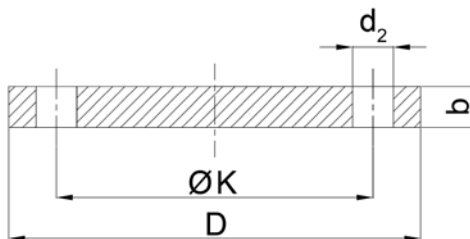
ähnlich DIN 2527/B, PN 10/16, EN 1092-1 Typ 05/A, mit reduzierter Blattstärke

Blind flange

similar to DIN 2527/B, PN 10/16, EN 1092-1 Typ 05/A, reduced thickness

| DN | PN | D | b | K | Gewinde | d ₂ | Löcher | kg/Stk | EN 4307 Artikel-Nr. | EN 4571 Artikel-Nr. |
|-----|----|--------|-------|--------|---------|----------------|--------|--------|------------------------|------------------------|
| | | | | | thread | | holes | kg/pc | | |
| 50 | 16 | 165,00 | 10,00 | 125,00 | M16 | 18,00 | 4,00 | 1,600 | ● 32154* | ● 29385* |
| 65 | 16 | 185,00 | 10,00 | 145,00 | M16 | 18,00 | 4,00 | 2,040 | ● 32155* | ● 29383* |
| 80 | 16 | 200,00 | 10,00 | 160,00 | M16 | 18,00 | 8,00 | 2,390 | ● 32156* | ● 29384 |
| 100 | 16 | 220,00 | 10,00 | 180,00 | M16 | 18,00 | 8,00 | 2,820 | ● 32157* | ● 29390 |
| 125 | 16 | 250,00 | 12,00 | 210,00 | M16 | 18,00 | 8,00 | 4,213 | ● 32158* | ● 29375* |
| 150 | 16 | 285,00 | 12,00 | 240,00 | M20 | 22,00 | 8,00 | 5,203 | ● 32190* | ● 29381* |
| 250 | 16 | 405,00 | 15,00 | 355,00 | M24 | 26,00 | 12,00 | 9,980 | | ● 32839* |
| 200 | 10 | 340,00 | 15,00 | 295,00 | M20 | 22,00 | 8,00 | 9,632 | ● 32159* | ● 29392 |
| 250 | 10 | 395,00 | 15,00 | 350,00 | M20 | 22,00 | 12,00 | 13,900 | ● 32160* | ● 29475* |
| 300 | 10 | 445,00 | 15,00 | 400,00 | M20 | 22,00 | 12,00 | 17,835 | ● 32161* | ● 29388* |
| 350 | 10 | 505,00 | 15,00 | 460,00 | M20 | 22,00 | 16,00 | 21,540 | | ● 29386* |
| 400 | 10 | 565,00 | 15,00 | 515,00 | M24 | 26,00 | 16,00 | 28,500 | ● 32163* | ● 29387* |
| 500 | 10 | 670,00 | 15,00 | 620,00 | M24 | 26,00 | 20,00 | 40,185 | | ● 29391* |

* DIN/EN



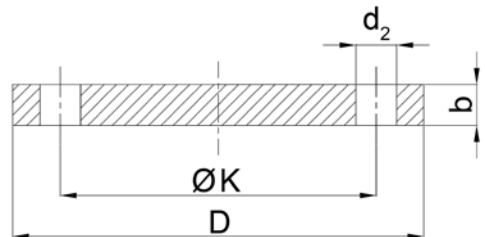
Blindflansch

150lbs, gem. ASTM A 182,
ASME B16.5 BL/RF

Blind flange

150lbs, acc. to ASTM A 182,
ASME B16.5 BL/RT

| Abm./ Dim. | Zoll/ Inch | D | b | K | d ₂ | Löcher holes | kg/Stk kg/pc | 304L/ 1.4307 Art.-No. | 316L/ 1.4404 Art.-No. |
|---------------|---------------|--------|-------|--------|----------------|-----------------|-----------------|-----------------------------|-----------------------------|
| 21,34 | 1/2" | 88,90 | 11,20 | 60,50 | 15,70 | 4 | 0,400 | ● 29130 | ● 29145 |
| 26,67 | 3/4" | 98,60 | 12,70 | 69,50 | 15,70 | 4 | 0,700 | ● 29131 | ● 29146 |
| 33,40 | 1" | 108,00 | 14,20 | 79,20 | 15,70 | 4 | 0,900 | ● 29132 | ● 29147 |
| 42,16 | 1 1/4" | 117,30 | 15,70 | 88,90 | 19,10 | 4 | 1,300 | ● 37352 | ● 37355 |
| 48,26 | 1 1/2" | 127,00 | 17,50 | 98,60 | 15,70 | 4 | 1,600 | ● 29133 | ● 29148 |
| 60,33 | 2" | 152,40 | 19,10 | 120,70 | 19,10 | 4 | 2,600 | ● 29134 | ● 29149 |
| 73,03 | 2 1/2" | 177,80 | 22,40 | 139,70 | 19,10 | 4 | 4,100 | ● 29135 | ● 29150 |
| 88,90 | 3" | 190,50 | 23,90 | 152,40 | 19,10 | 4 | 5,000 | ● 29136 | ● 29151 |
| 114,30 | 4" | 228,60 | 23,90 | 190,50 | 19,10 | 8 | 7,100 | ● 29137 | ● 29152 |
| 141,30 | 5" | 254,00 | 23,90 | 215,90 | 22,40 | 8 | 9,000 | ● 37354 | ● 37357 |
| 168,28 | 6" | 297,40 | 25,40 | 241,30 | 22,40 | 8 | 11,800 | ● 29138 | ● 29153 |
| 219,08 | 8" | 342,90 | 28,40 | 298,50 | 22,40 | 8 | 21,000 | ● 29139 | ● 29154 |



Blindflansch

300lbs, gem. ASTM A 182,

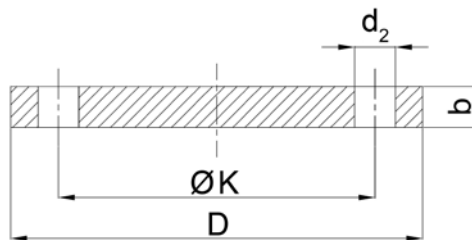
ASME B16.5 BL/RF

Blind flange

300lbs, acc. to ASTM A 182,

ASME B16.5 BL/RT

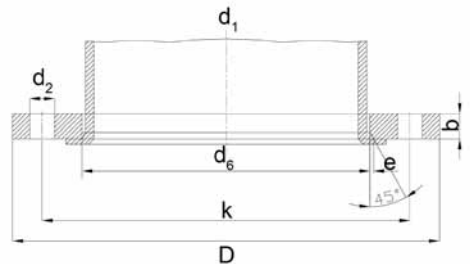
| Abm./ Dim. | Zoll/ Inch | D | b | K | d ₂ | Löcher holes | kg/Stk kg/pc | 304L/ 1.4307 Art.-No. | 316L/ 1.4404 Art.-No. |
|---------------|---------------|--------|-------|--------|----------------|-----------------|-----------------|-----------------------------|-----------------------------|
| 21,34 | 1/2" | 95,20 | 14,20 | 66,60 | 15,70 | 4 | 0,700 | ● 37358 | ● 37371 |
| 26,67 | 3/4" | 117,30 | 15,80 | 82,60 | 19,10 | 4 | 1,200 | ● 37359 | ● 37372 |
| 33,40 | 1" | 124,00 | 17,50 | 88,90 | 19,10 | 4 | 1,500 | ● 37360 | ● 37373 |
| 42,16 | 1 1/4" | 133,40 | 19,10 | 98,60 | 19,10 | 4 | 2,000 | ● 37361 | ● 37374 |
| 48,26 | 1 1/2" | 155,40 | 20,60 | 114,30 | 22,40 | 4 | 2,900 | ● 37362 | ● 37375 |
| 60,33 | 2" | 165,10 | 22,40 | 127,00 | 19,10 | 8 | 3,400 | ● 37363 | ● 37376 |
| 73,03 | 2 1/2" | 190,50 | 25,40 | 149,40 | 22,40 | 8 | 5,100 | ● 37364 | ● 37377 |
| 88,90 | 3" | 209,50 | 28,40 | 168,10 | 22,40 | 8 | 7,000 | ● 37365 | ● 37378 |
| 114,30 | 4" | 254,00 | 31,80 | 200,20 | 22,40 | 8 | 11,800 | ● 37367 | ● 37380 |
| 141,30 | 5" | 279,40 | 35,10 | 235,00 | 22,40 | 8 | 15,500 | ● 37368 | ● 37381 |
| 168,28 | 6" | 317,50 | 36,60 | 269,70 | 22,40 | 12 | 21,300 | ● 37369 | ● 37382 |
| 219,08 | 8" | 381,00 | 41,10 | 330,20 | 25,40 | 12 | 35,200 | ● 37370 | ● 37383 |



Losler Flansch
DIN 2642, PN 10

Loose flange
DIN 2642, PN 10

| DN | Rohr- schlußmaß | D | d ₆ | b | k | e | Gewinde | d ₂ | Löcher | kg/Stk | EN 4541 Artikel-Nr. | EN 4571 Artikel-Nr. |
|-----|--------------------|--------|----------------|-------|--------|------|---------|----------------|--------|--------|------------------------|------------------------|
| | d ₁ | | | | | | thread | | holes | kg/pc | Article-No. | Article-No. |
| 15 | 21,30 | 95,00 | 24,00 | 14,00 | 65,00 | 3,00 | M12 | 14,00 | 4,00 | 0,689 | ● 29436 | ● 29409 |
| 20 | 26,90 | 105,00 | 30,00 | 14,00 | 75,00 | 3,00 | M12 | 14,00 | 4,00 | 0,806 | ● 29423 | ● 29410 |
| 25 | 33,70 | 115,00 | 36,00 | 16,00 | 85,00 | 4,00 | M12 | 14,00 | 4,00 | 1,110 | ● 29426 | ● 29419 |
| 32 | 42,40 | 140,00 | 46,00 | 16,00 | 100,00 | 4,00 | M16 | 18,00 | 4,00 | 1,640 | ● 29427 | ● 29420 |
| 40 | 48,30 | 150,00 | 54,00 | 16,00 | 110,00 | 4,00 | M16 | 18,00 | 4,00 | 1,860 | ● 29429 | ● 29411 |
| 50 | 60,30 | 165,00 | 65,00 | 16,00 | 125,00 | 5,00 | M16 | 18,00 | 4,00 | 2,200 | ● 29428 | ● 29421 |
| 65 | 76,10 | 185,00 | 81,00 | 16,00 | 145,00 | 5,00 | M16 | 18,00 | 4,00 | 2,620 | ● 29430 | ● 29412 |
| 80 | 88,90 | 200,00 | 94,00 | 18,00 | 160,00 | 5,00 | M16 | 18,00 | 8,00 | 3,320 | ● 29425 | ● 29413 |
| 100 | 114,30 | 220,00 | 119,00 | 18,00 | 180,00 | 5,00 | M16 | 18,00 | 8,00 | 3,670 | ● 29424 | ● 29414 |
| 125 | 139,70 | 250,00 | 145,00 | 18,00 | 210,00 | 5,00 | M16 | 18,00 | 8,00 | 4,540 | ● 29431 | ● 29422 |
| 150 | 168,30 | 285,00 | 173,00 | 18,00 | 240,00 | 5,00 | M20 | 22,00 | 8,00 | 5,600 | ● 29435 | ● 29415 |
| 200 | 219,10 | 340,00 | 225,00 | 20,00 | 295,00 | 5,00 | M20 | 22,00 | 8,00 | 7,460 | ● 29432 | ● 29416 |
| 250 | 273,00 | 395,00 | 279,00 | 22,00 | 350,00 | 5,00 | M20 | 22,00 | 12,00 | 10,300 | ● 29433 | ● 29417 |
| 300 | 323,90 | 445,00 | 329,00 | 26,00 | 400,00 | 5,00 | M20 | 22,00 | 12,00 | 14,000 | ● 29434 | ● 29418 |
| 350 | 355,60 | 505,00 | 362,00 | 28,00 | 460,00 | 6,00 | M20 | 22,00 | 16,00 | 18,500 | ● 32340 | ● 32341 |
| 400 | 406,40 | 565,00 | 413,00 | 32,00 | 515,00 | 6,00 | M24 | 26,00 | 16,00 | 23,800 | | ● 31144 |



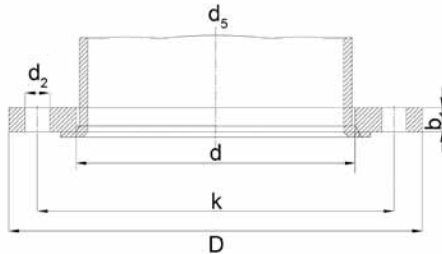
Looser Flansch

aus Blech gepresst, DIN 2642 (EN 1092-1 Typ2), PN 10

Loose flange

pressed from sheet, DIN 2642 (EN 1092-1 Typ 2), PN 10

| DN | Rohr- schlußmaß | D | d | d ₅ | k | b ₁ | Gewinde | d ₂ | Löcher | kg/Stk | EN 4301 Artikel-Nr. | EN 4404 Artikel-Nr. |
|-----|--------------------|--------|--------|----------------|--------|----------------|---------|----------------|--------|--------|------------------------|------------------------|
| | Dim. | | | | | | thread | | holes | kg/pc | Article-No. | Article-No. |
| 15 | 21,30 | 95,00 | 38,00 | 24,00 | 65,00 | 11,50 | M12 | 13,50 | 4,00 | 0,200 | ● 35693 | |
| 20 | 26,90 | 105,00 | 48,00 | 30,00 | 75,00 | 14,00 | M12 | 13,50 | 4,00 | 0,250 | ● 35695 | |
| 25 | 33,70 | 115,00 | 53,00 | 38,00 | 85,00 | 16,00 | M12 | 13,50 | 4,00 | 0,300 | ● 35696 | |
| 32 | 42,40 | 140,00 | 68,00 | 46,00 | 100,00 | 16,50 | M16 | 17,50 | 4,00 | 0,450 | ● 35697 | |
| 40 | 48,30 | 150,00 | 77,00 | 54,00 | 110,00 | 18,00 | M16 | 17,50 | 4,00 | 0,620 | ● 35698 | |
| 50 | 60,30 | 165,00 | 91,00 | 65,00 | 125,00 | 20,00 | M16 | 17,50 | 4,00 | 0,900 | ● 35699 | ● 31180 |
| 65 | 76,10 | 185,00 | 108,00 | 81,00 | 145,00 | 22,00 | M16 | 17,50 | 4,00 | 1,200 | ● 35700 | |
| 80 | 88,90 | 200,00 | 123,00 | 94,00 | 160,00 | 23,00 | M16 | 17,50 | 8,00 | 1,300 | ● 35701 | ● 35702 |
| 100 | 114,30 | 220,00 | 141,00 | 119,00 | 180,00 | 24,00 | M16 | 17,50 | 8,00 | 1,750 | ● 35688 | ● 35689 |
| 125 | 139,70 | 250,00 | 168,00 | 145,00 | 210,00 | 25,50 | M16 | 17,50 | 8,00 | 2,200 | ● 35690 | ● 31187 |
| 150 | 168,30 | 285,00 | 192,00 | 173,00 | 240,00 | 27,00 | M20 | 21,50 | 8,00 | 2,700 | ● 35691 | ● 35692 |
| 200 | 219,10 | 340,00 | 245,00 | 225,00 | 295,00 | 31,00 | M20 | 21,50 | 8,00 | 4,600 | ● 35694 | ● 31191 |
| 250 | 273,00 | 395,00 | 295,00 | 276,00 | 350,00 | 34,00 | M20 | 21,50 | 12,00 | 6,100 | ● 31173 | |
| 300 | 323,90 | 445,00 | 345,00 | 329,00 | 400,00 | 38,00 | M20 | 21,50 | 12,00 | 7,450 | ● 31175 | |



Loser Flansch aus Aluminium

PN 10, DIN 2642, blank (Typ A+C) oder beschichtet (Typ A+C)

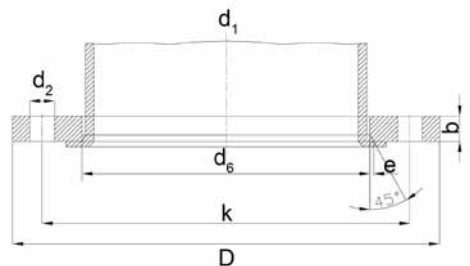
teilweise Typ Italy

Loose flange of aluminum

PN 10, DIN 2642, bright (type A+C) or coated (type A+C)

partial type Italy

| DN | Dim. in mm | blank Artikel-Nr. | beschichtet Artikel-Nr. | D | d_6 | b | k | e | Gewinde thread | d_2 | Löcher holes | kg/Stk kg/pc |
|-----|---------------|----------------------|----------------------------|--------|--------|-------|--------|------|-------------------|-------|-----------------|-----------------|
| 15 | 21,30 | ● 30870 | ● 20672 | 95,00 | 24,00 | 14,00 | 65,00 | 3,00 | M12 | 14,0 | 4 | 0,260 |
| 20 | 26,90 | ● 30871 | | 105,00 | 30,00 | 14,00 | 75,00 | 3,00 | M12 | 14,0 | 4 | 0,300 |
| 25 | 33,70 | ● 30872 | ● 20674 | 115,00 | 36,00 | 16,00 | 85,00 | 4,00 | M12 | 14,0 | 4 | 0,370 |
| 32 | 42,40 | ● 30873 | | 140,00 | 46,00 | 16,00 | 100,00 | 4,00 | M16 | 18,0 | 4 | 0,550 |
| 40 | 43,00 | ● 30854 | ● 30887 | 150,00 | 50,00 | 16,00 | 110,00 | 4,00 | M16 | 18,0 | 4 | 0,581 |
| 40 | 48,30 | ● 30874 | ● 20676 | 150,00 | 54,00 | 16,00 | 110,00 | 4,00 | M16 | 18,0 | 4 | 0,610 |
| 50 | 54,00 | ● 30855 | ● 20695 | 165,00 | 62,00 | 16,00 | 125,00 | 5,00 | M16 | 18,0 | 4 | 0,820 |
| 50 | 60,30 | ● 30875 | ● 20677 | 165,00 | 65,00 | 16,00 | 125,00 | 5,00 | M16 | 18,0 | 4 | 0,820 |
| 65 | 70,00 | ● 30856 | | 185,00 | 75,00 | 16,00 | 145,00 | 5,00 | M16 | 18,0 | 4 | 0,876 |
| 65 | 71,00 | | ● 20699 | 185,00 | 73,00 | 16,00 | 145,00 | 5,00 | M16 | 18,0 | 4 | 0,920 |
| 65 | 76,10 | ● 30876 | ● 20678 | 185,00 | 81,00 | 16,00 | 145,00 | 5,00 | M16 | 18,0 | 4 | 0,920 |
| 80 | 84,00 | ● 30857 | ● 20701 | 200,00 | 90,00 | 18,00 | 160,00 | 5,00 | M16 | 18,0 | 8 | 1,300 |
| 80 | 88,90 | ● 30877 | ● 20679 | 200,00 | 94,00 | 18,00 | 160,00 | 5,00 | M16 | 18,0 | 8 | 1,300 |
| 100 | 104,00 | ● 30858 | | 220,00 | 111,00 | 18,00 | 180,00 | 5,00 | M16 | 18,0 | 8 | 1,360 |
| 100 | 114,30 | ● 30878 | ● 20680 | 220,00 | 119,00 | 18,00 | 180,00 | 5,00 | M16 | 18,0 | 8 | 1,360 |
| 125 | 129,00 | ● 30859 | ● 20703 | 250,00 | 136,00 | 18,00 | 210,00 | 5,00 | M16 | 18,0 | 8 | 1,800 |
| 125 | 139,70 | ● 30879 | ● 20681 | 250,00 | 145,00 | 18,00 | 210,00 | 5,00 | M16 | 18,0 | 8 | 1,800 |
| 150 | 154,00 | ● 30860 | ● 20704 | 285,00 | 161,00 | 18,00 | 240,00 | 5,00 | M20 | 22,0 | 8 | 2,300 |
| 150 | 159,00 | ● 33875 | | 285,00 | 164,00 | 18,00 | 240,00 | 5,00 | M20 | 22,0 | 8 | 2,190 |



Looser Flansch aus Aluminium

PN 10, DIN 2642, blank (Typ A+C) oder beschichtet (Typ A+C)

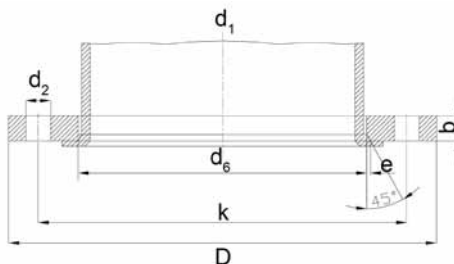
teilweise Typ Italy

Loose flange of aluminum

PN 10, DIN 2642, bright (type A+C) or coated (type A+C)

partial type Italy

| DN | Dim. in mm | blank Artikel-Nr. | beschichtet Artikel-Nr. | D | d ₆ | b | k | e | Gewinde thread | d ₂ | Löcher holes | kg/Stk kg/pc |
|-----|----------------|----------------------|----------------------------|--------|----------------|-------|--------|------|-------------------|----------------|-----------------|-----------------|
| | d ₁ | Article-No. | Article-No. | | | | | | | | | |
| 150 | 168,30 | ● 30880 | ● 20682 | 285,00 | 173,00 | 18,00 | 240,00 | 5,00 | M20 | 22,0 | 8 | 2,300 |
| 200 | 204,00 | ● 30861 | ● 20705 | 340,00 | 212,00 | 20,00 | 295,00 | 5,00 | M20 | 22,0 | 8 | 3,300 |
| 200 | 219,10 | ● 30881 | ● 20683 | 340,00 | 225,00 | 20,00 | 295,00 | 5,00 | M20 | 22,0 | 8 | 3,300 |
| 250 | 254,00 | ● 30862 | ● 20706 | 395,00 | 264,00 | 22,00 | 350,00 | 5,00 | M20 | 22,0 | 12 | 4,400 |
| 250 | 273,00 | ● 30882 | ● 20684 | 395,00 | 279,00 | 22,00 | 350,00 | 5,00 | M20 | 22,0 | 12 | 4,400 |
| 300 | 304,00 | | ● 20707 | 445,00 | 312,00 | 26,00 | 400,00 | 5,00 | M20 | 22,0 | 12 | 5,000 |
| 300 | 323,90 | ● 30883 | ● 20685 | 445,00 | 329,00 | 26,00 | 400,00 | 5,00 | M20 | 22,0 | 12 | 5,000 |
| 350 | 354,00 | ● 30864 | | 505,00 | 362,00 | 28,00 | 460,00 | 6,00 | M20 | 22,0 | 16 | 5,712 |
| 400 | 406,00 | ● 30865 | ● 20687 | 565,00 | 413,00 | 32,00 | 515,00 | 6,00 | M24 | 26,0 | 16 | 7,140 |
| 450 | 456,00 | ● 30866 | | 615,00 | 465,00 | 36,00 | 565,00 | 6,00 | M24 | 26,0 | 16 | 9,044 |



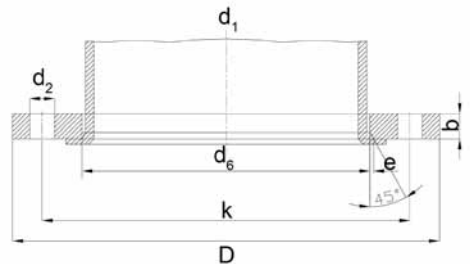
Loser Flansch

ähnlich DIN 2642, PN 10, mit reduzierter Blattstärke

Loose flange

similar to DIN 2642, PN 10, reduced thickness

| DN | Rohr- schlußmaß d_1 | D | d_6 | b | k | e | Gewinde thread | d_2 | Löcher holes | kg/Stk kg/pc | EN 4307 Artikel-Nr. Article-No. | EN 4571 Artikel-Nr. Article-No. |
|-----|-----------------------------|--------|--------|-------|--------|------|-------------------|-------|-----------------|-----------------|---------------------------------------|---------------------------------------|
| 50 | 54,00 | 165,00 | 55,00 | 10,00 | 125,00 | 5,00 | M16 | 18,00 | 4,00 | 1,380 | | ● 31992 |
| 50 | 60,30 | 165,00 | 65,00 | 10,00 | 125,00 | 5,00 | M16 | 18,00 | 4,00 | 1,380 | ● 32174 | ● 29395 |
| 65 | 76,10 | 185,00 | 81,00 | 10,00 | 145,00 | 5,00 | M16 | 18,00 | 4,00 | 1,640 | ● 32175 | ● 29396 |
| 80 | 84,00 | 200,00 | 85,20 | 10,00 | 160,00 | 5,00 | M16 | 18,00 | 8,00 | 1,850 | | ● 31993 |
| 80 | 88,90 | 200,00 | 94,00 | 10,00 | 160,00 | 5,00 | M16 | 18,00 | 8,00 | 1,850 | ● 32176 | ● 29397 |
| 100 | 104,00 | 220,00 | 105,60 | 10,00 | 180,00 | 5,00 | M16 | 18,00 | 8,00 | 3,500 | | ● 31994 |
| 100 | 114,30 | 220,00 | 119,00 | 10,00 | 180,00 | 5,00 | M16 | 18,00 | 8,00 | 2,050 | ● 32177 | ● 29400 |
| 125 | 139,70 | 250,00 | 145,00 | 12,00 | 210,00 | 5,00 | M16 | 18,00 | 8,00 | 2,783 | ● 32178 | ● 29403 |
| 150 | 154,00 | 285,00 | 156,20 | 12,00 | 240,00 | 5,00 | M20 | 22,00 | 8,00 | 3,432 | | ● 31996 |
| 150 | 168,30 | 285,00 | 173,00 | 12,00 | 240,00 | 5,00 | M20 | 22,00 | 8,00 | 3,432 | ● 32192 | ● 29398 |
| 200 | 204,00 | 340,00 | 206,80 | 15,00 | 295,00 | 5,00 | M20 | 22,00 | 8,00 | 5,595 | | ● 31997 |
| 200 | 219,10 | 340,00 | 225,00 | 15,00 | 295,00 | 5,00 | M20 | 22,00 | 8,00 | 5,222 | ● 32179 | ● 29404 |
| 250 | 254,00 | 395,00 | 260,00 | 15,00 | 350,00 | 5,00 | M20 | 22,00 | 12,00 | 7,035 | | ● 31998 |
| 250 | 273,00 | 395,00 | 279,00 | 15,00 | 350,00 | 5,00 | M20 | 22,00 | 12,00 | 7,035 | ● 32180 | ● 29402 |
| 300 | 323,90 | 445,00 | 329,00 | 15,00 | 400,00 | 5,00 | M20 | 22,00 | 12,00 | 8,100 | ● 32181 | ● 29408 |
| 350 | 355,60 | 505,00 | 362,00 | 15,00 | 460,00 | 6,00 | M20 | 22,00 | 16,00 | 9,915 | ● 32182 | ● 29407 |
| 400 | 406,40 | 565,00 | 413,00 | 15,00 | 515,00 | 6,00 | M24 | 26,00 | 16,00 | 12,600 | ● 32183 | ● 29406 |
| 500 | 508,00 | 670,00 | 517,00 | 15,00 | 620,00 | 6,00 | M24 | 26,00 | 20,00 | 14,610 | | ● 29405 |
| 600 | 610,00 | 780,00 | 618,00 | 20,00 | 725,00 | 7,00 | M27 | 30,00 | 20,00 | 25,500 | | ● 31778 |



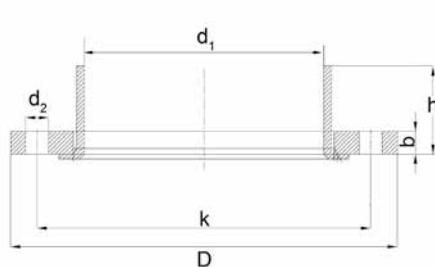
Losler Flansch

150lbs, gem. ASTM A 182,
ASME B16.5 LJ/RT

Lap-joint flange

150lbs, acc. to ASTM A 182,
ASME B16.5 LJ/RT

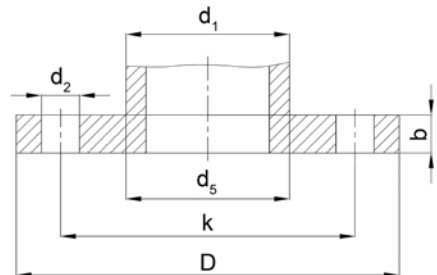
| Abm./ Dim. | Zoll/ Inch | D | d ₁ | b | h | d ₂ | k | Löcher holes | kg/Stk kg/pc | 304L/ 1.4307 | 316L/ 1.4404 |
|---------------|---------------|--------|----------------|-------|-------|----------------|--------|-----------------|-----------------|-----------------|-----------------|
| | | | | | | | | | | Art.-No. | Art.-No. |
| 21,34 | 1/2" | 88,90 | 22,90 | 11,20 | 15,70 | 15,70 | 60,50 | 4 | 0,400 | ● 37384 | ● 37397 |
| 26,67 | 3/4" | 98,60 | 28,20 | 12,70 | 15,70 | 15,70 | 69,90 | 4 | 0,700 | ● 37385 | ● 37398 |
| 33,40 | 1" | 108,00 | 35,10 | 14,20 | 17,50 | 15,70 | 79,20 | 4 | 0,800 | ● 37386 | ● 37399 |
| 42,16 | 1 1/4" | 117,30 | 43,70 | 17,50 | 20,60 | 15,70 | 88,90 | 4 | 1,100 | ● 37387 | ● 37400 |
| 48,26 | 1 1/2" | 127,00 | 50,00 | 17,50 | 22,40 | 19,10 | 98,60 | 4 | 1,400 | ● 37388 | ● 37401 |
| 60,33 | 2" | 152,40 | 62,50 | 19,10 | 25,40 | 19,10 | 120,70 | 4 | 2,200 | ● 37389 | ● 37402 |
| 73,03 | 2 1/2" | 177,80 | 75,40 | 22,40 | 28,40 | 19,10 | 139,70 | 4 | 3,600 | ● 37390 | ● 37403 |
| 88,90 | 3" | 190,50 | 91,40 | 23,90 | 30,20 | 19,10 | 152,40 | 4 | 4,100 | ● 37391 | ● 37404 |
| 114,30 | 4" | 228,60 | 116,80 | 23,90 | 33,30 | 19,10 | 190,50 | 8 | 5,600 | ● 37393 | ● 37406 |
| 141,30 | 5" | 254,00 | 144,50 | 23,90 | 36,60 | 22,40 | 215,90 | 8 | 6,300 | ● 37394 | ● 37407 |
| 168,28 | 6" | 279,40 | 171,50 | 25,40 | 39,60 | 22,40 | 241,30 | 8 | 7,500 | ● 37395 | ● 37408 |
| 219,08 | 8" | 342,90 | 222,30 | 28,40 | 44,50 | 22,40 | 298,50 | 8 | 12,600 | ● 37396 | ● 37409 |



Glatter Flansch
DIN 2576, PN 10

Plain flange
DIN 2576, PN 10

| DN | Rohr- schlußmaß d_1 | D | d_5 | b | k | Gewinde thread | d_2 | Löcher holes | kg/Stk kg/pc | EN 4541 Artikel-Nr. Article-No. | EN 4571 Artikel-Nr. Article-No. |
|-----|-----------------------------|--------|--------|-------|--------|-------------------|-------|-----------------|-----------------|---------------------------------------|---------------------------------------|
| 15 | 21,30 | 95,00 | 22,00 | 14,00 | 65,00 | M12 | 14,00 | 4,00 | 0,669 | ● 29450 | ● 29464 |
| 20 | 26,90 | 105,00 | 27,60 | 16,00 | 75,00 | M12 | 14,00 | 4,00 | 0,936 | ● 29437 | ● 29463 |
| 25 | 33,70 | 115,00 | 34,40 | 16,00 | 85,00 | M12 | 14,00 | 4,00 | 1,110 | ● 29445 | ● 29462 |
| 32 | 42,40 | 140,00 | 43,10 | 16,00 | 100,00 | M16 | 18,00 | 4,00 | 1,620 | ● 29438 | ● 29451 |
| 40 | 48,30 | 150,00 | 49,00 | 16,00 | 110,00 | M16 | 18,00 | 4,00 | 1,860 | ● 29446 | ● 29452 |
| 50 | 60,30 | 165,00 | 61,10 | 18,00 | 125,00 | M16 | 18,00 | 4,00 | 2,470 | ● 29447 | ● 29453 |
| 65 | 76,10 | 185,00 | 77,10 | 18,00 | 145,00 | M16 | 18,00 | 4,00 | 3,000 | ● 29448 | ● 29454 |
| 80 | 88,90 | 200,00 | 90,30 | 20,00 | 160,00 | M16 | 18,00 | 8,00 | 3,790 | ● 29439 | ● 29455 |
| 100 | 114,30 | 220,00 | 115,90 | 20,00 | 180,00 | M16 | 18,00 | 8,00 | 4,030 | ● 29440 | ● 29456 |
| 125 | 139,70 | 250,00 | 141,60 | 22,00 | 210,00 | M16 | 18,00 | 8,00 | 5,460 | ● 29449 | ● 29457 |
| 150 | 168,30 | 285,00 | 170,50 | 22,00 | 240,00 | M20 | 22,00 | 8,00 | 6,570 | ● 29441 | ● 29458 |
| 200 | 219,10 | 340,00 | 221,80 | 24,00 | 295,00 | M20 | 22,00 | 8,00 | 9,310 | ● 29442 | ● 29459 |
| 250 | 273,00 | 395,00 | 276,20 | 26,00 | 350,00 | M20 | 22,00 | 12,00 | 11,900 | ● 29443 | ● 29460 |
| 300 | 323,90 | 445,00 | 327,60 | 26,00 | 400,00 | M20 | 22,00 | 12,00 | 13,800 | ● 29444 | ● 29461 |
| 350 | 355,60 | 505,00 | 359,70 | 28,00 | 460,00 | M20 | 22,00 | 16,00 | 20,600 | ● 32342 | ● 32343 |
| 400 | 406,40 | 565,00 | 411,00 | 32,00 | 515,00 | M24 | 26,00 | 16,00 | 27,900 | ● 33910 | ● 33911 |



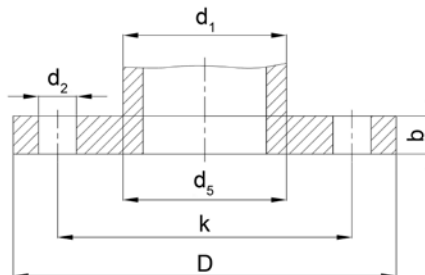
Glatter Flansch

DIN 2576, Form B, PN 10, AD 2000-W2, W9, W10

Plain flange

DIN 2576, Form B, PN 10, AD 2000-W2, W9, W10

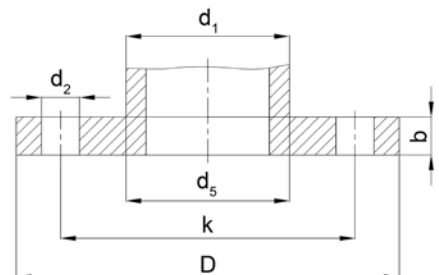
| DN | Rohr- schlußmaß d_1 | D | d_5 | b | k | Gewinde thread | d_2 | Löcher holes | kg/Stk kg/pc | EN 4541 Artikel-Nr. Article-No. |
|-----|-----------------------------|--------|--------|-------|--------|-------------------|-------|-----------------|-----------------|---------------------------------------|
| 100 | 108,00 | 220,00 | 109,60 | 20,00 | 180,00 | M16 | 18,00 | 8,00 | 4,200 | ● 35642 |
| 100 | 104 (106) | | | | | | | | 4,260 | ● 35643 |
| 125 | 133,00 | 250,00 | 134,80 | 22,00 | 210,00 | M16 | 18,00 | 8,00 | 5,710 | ● 35644 |
| 150 | 154 (156) | | | | | | | | 7,190 | ● 35645 |



Glatter Flansch
EN 1092-1, Typ 1, PN 16/PN 40

Plain flange
EN 1092-1, type 1, PN 16/PN40

| DN | Rohr- schlußmaß d_1 | PN | D | b | k | Gewinde thread | d_2 | Löcher holes | kg/Stk kg/pc | EN 4571 Artikel-Nr. Article-No. |
|-----|-----------------------------|----|--------|-------|--------|-------------------|-------|-----------------|-----------------|---------------------------------------|
| 15 | 22,00 | 40 | 95,00 | 14,00 | 65,00 | M12 | 14,00 | 4,00 | 0,670 | ● 34631 |
| 20 | 27,50 | 40 | 105,00 | 16,00 | 75,00 | M12 | 14,00 | 4,00 | 0,936 | ● 34632 |
| 25 | 34,50 | 40 | 115,00 | 16,00 | 85,00 | M12 | 14,00 | 4,00 | 1,110 | ● 34633 |
| 32 | 43,50 | 40 | 140,00 | 18,00 | 100,00 | M16 | 18,00 | 4,00 | 1,820 | ● 34634 |
| 40 | 49,50 | 40 | 150,00 | 18,00 | 110,00 | M16 | 18,00 | 4,00 | 2,080 | ● 34635 |
| 50 | 61,50 | 16 | 165,00 | 20,00 | 125,00 | M16 | 18,00 | 4,00 | 2,730 | ● 34636 |
| 65 | 77,50 | 16 | 185,00 | 20,00 | 145,00 | M16 | 18,00 | 8,00 | 3,160 | ● 34637 |
| 80 | 90,50 | 16 | 200,00 | 20,00 | 160,00 | M16 | 18,00 | 8,00 | 3,600 | ● 34638 |
| 100 | 116,00 | 16 | 220,00 | 22,00 | 180,00 | M16 | 18,00 | 8,00 | 4,390 | ● 34639 |
| 125 | 141,50 | 16 | 250,00 | 22,00 | 210,00 | M16 | 18,00 | 8,00 | 5,410 | ● 34640 |
| 150 | 170,50 | 16 | 285,00 | 24,00 | 240,00 | M20 | 22,00 | 8,00 | 7,140 | ● 34641 |
| 200 | 221,50 | 16 | 340,00 | 26,00 | 295,00 | M20 | 22,00 | 12,00 | 9,730 | ● 34642 |
| 250 | 276,50 | 16 | 405,00 | 29,00 | 355,00 | M24 | 26,00 | 12,00 | 14,200 | ● 34643 |
| 300 | 327,50 | 16 | 460,00 | 32,00 | 410,00 | M24 | 26,00 | 12,00 | 19,000 | ● 34644 |



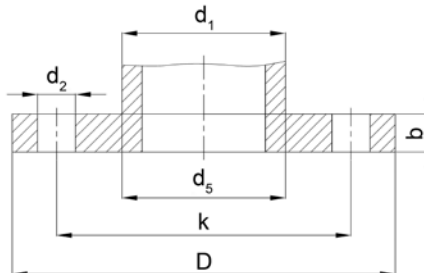
Glatter Flansch

ähnlich DIN 2576, PN 10, mit reduzierter Blattstärke

Plain flange

similar to DIN 2576, PN 10, reduced thickness

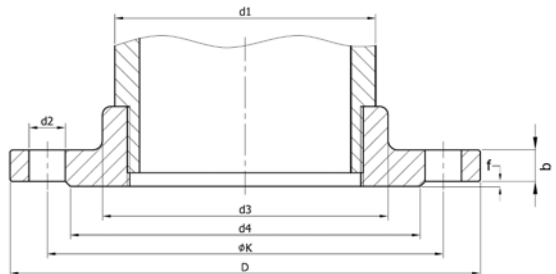
| DN | Rohr- schlußmaß | D | Innen | b | k | Gewinde | d ₂ | Löcher | kg/Stk | AISI 304L Artikel-Nr. | EN 4571 Artikel-Nr. |
|-----|--------------------|--------|--------|-------|--------|---------|----------------|--------|--------|--------------------------|------------------------|
| | Dim. | | inside | | | thread | | holes | kg/pc | Article-No. | Article-No. |
| 50 | 54,00 | 165,00 | 55,00 | 10,00 | 125,00 | M16 | 18,00 | 4,00 | 2,200 | | ● 31999 |
| 50 | 60,30 | 165,00 | 61,10 | 10,00 | 125,00 | M16 | 18,00 | 4,00 | 1,370 | ● 32164 | ● 29465 |
| 65 | 76,10 | 185,00 | 77,10 | 10,00 | 145,00 | M16 | 18,00 | 4,00 | 1,700 | ● 32165 | ● 29466 |
| 80 | 84,00 | 200,00 | 85,20 | 10,00 | 160,00 | M16 | 18,00 | 8,00 | 3,320 | | ● 32000 |
| 80 | 88,90 | 200,00 | 90,30 | 10,00 | 160,00 | M16 | 18,00 | 8,00 | 1,900 | ● 32166 | ● 29467 |
| 100 | 104,00 | 220,00 | 105,60 | 10,00 | 180,00 | M16 | 18,00 | 8,00 | 2,020 | | ● 32001 |
| 100 | 114,30 | 220,00 | 115,90 | 10,00 | 180,00 | M16 | 18,00 | 8,00 | 2,020 | ● 32167 | ● 29479 |
| 125 | 129,00 | 250,00 | 130,80 | 12,00 | 210,00 | M16 | 18,00 | 8,00 | 2,988 | | ● 32002 |
| 125 | 139,70 | 250,00 | 141,60 | 12,00 | 210,00 | M16 | 18,00 | 8,00 | 2,739 | ● 32168 | ● 29473 |
| 150 | 154,00 | 285,00 | 156,20 | 12,00 | 240,00 | M20 | 22,00 | 8,00 | 3,289 | | ● 32003 |
| 150 | 168,30 | 285,00 | 170,50 | 12,00 | 240,00 | M20 | 22,00 | 8,00 | 3,289 | ● 32191 | ● 29469 |
| 200 | 204,00 | 340,00 | 206,80 | 15,00 | 295,00 | M20 | 22,00 | 8,00 | 5,820 | | ● 32004 |
| 200 | 219,10 | 340,00 | 221,80 | 15,00 | 295,00 | M20 | 22,00 | 8,00 | 5,820 | ● 32169 | ● 29471 |
| 250 | 254,00 | 395,00 | 260,00 | 15,00 | 350,00 | M20 | 22,00 | 12,00 | 6,870 | | ● 32005 |
| 250 | 273,00 | 395,00 | 276,20 | 15,00 | 350,00 | M20 | 22,00 | 12,00 | 6,870 | ● 32170 | ● 29472 |
| 300 | 323,90 | 445,00 | 327,60 | 15,00 | 400,00 | M20 | 22,00 | 12,00 | 7,965 | ● 32171 | ● 29478 |
| 350 | 355,60 | 505,00 | 359,70 | 15,00 | 460,00 | M20 | 22,00 | 16,00 | 11,040 | ● 32172 | ● 29481 |
| 400 | 406,40 | 565,00 | 411,00 | 15,00 | 515,00 | M24 | 26,00 | 16,00 | 13,080 | ● 32173 | ● 29476 |
| 500 | 508,00 | 670,00 | 513,60 | 15,00 | 620,00 | M24 | 26,00 | 20,00 | 16,230 | | ● 29477 |
| 600 | 610,00 | 780,00 | 618,00 | 20,00 | 725,00 | M27 | 30,00 | 20,00 | 25,500 | ● 34373 | ● 31777 |



Gewindeflansch, DIN 2566C, PN 16

Threaded flange, DIN 2566C, PN 16

| DN | Rohran- schlußmaß Dim. | Whitworth Rohrgewinde thread | D | b | K | h_1 | d_3 | d_4 | f | Gewinde thread | d_2 | Löcher holes | kg/Stk kg/pc | EN 4571 Artikel-Nr. Article-No. |
|-----|------------------------------|------------------------------------|--------|-------|--------|-------|--------|--------|------|-------------------|-------|-----------------|-----------------|---------------------------------------|
| 15 | 21,30 | R 1/2 | 90,00 | 14,00 | 65,00 | 20,00 | 35,00 | 45,00 | 2,00 | M12 | 14,0 | 4,00 | 0,613 | ● 29541 |
| 20 | 26,90 | R 3/4 | 105,00 | 16,00 | 75,00 | 24,00 | 45,00 | 58,00 | 2,00 | M12 | 14,0 | 4,00 | 0,910 | ● 29546 |
| 25 | 33,70 | R 1 | 115,00 | 16,00 | 85,00 | 24,00 | 52,00 | 68,00 | 2,00 | M12 | 14,0 | 4,00 | 1,100 | ● 29545 |
| 32 | 42,40 | R 1 1/4 | 140,00 | 16,00 | 100,00 | 26,00 | 60,00 | 78,00 | 2,00 | M16 | 18,0 | 4,00 | 1,600 | ● 29544 |
| 40 | 48,30 | R 1 1/2 | 150,00 | 16,00 | 110,00 | 26,00 | 70,00 | 88,00 | 3,00 | M16 | 18,0 | 4,00 | 1,780 | ● 29540 |
| 50 | 60,30 | R 2 | 165,00 | 18,00 | 125,00 | 28,00 | 85,00 | 102,00 | 3,00 | M16 | 18,0 | 4,00 | 2,430 | ● 29543 |
| 65 | 76,10 | R 2 1/2 | 185,00 | 18,00 | 145,00 | 32,00 | 105,00 | 122,00 | 3,00 | M16 | 18,0 | 4,00 | 3,180 | ● 29539 |
| 80 | 88,90 | R 3 | 200,00 | 20,00 | 160,00 | 34,00 | 118,00 | 138,00 | 3,00 | M16 | 18,0 | 8,00 | 4,120 | ● 29542 |
| 100 | 114,30 | R 4 | 220,00 | 20,00 | 180,00 | 38,00 | 140,00 | 158,00 | 3,00 | M16 | 18,0 | 8,00 | 4,470 | ● 29547 |



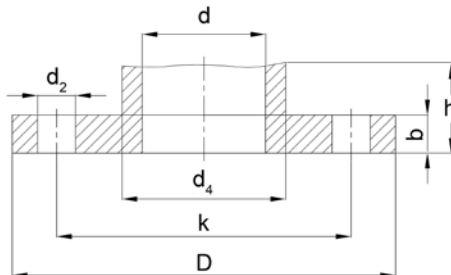
Überschiebflansch

150lbs, gem. ASTM A 182,
ASME B16.5 SO/RF

Slip-on flange

150lbs, acc. to ASTM A 182,
ASME B16.5 SO/RF

| Abm./ Dim. | Zoll/ Inch | D | d | b | h | d ₄ | d ₂ | k | Löcher holes | kg/Stk kg/pc | 304L/ 1.4307 Art.-No. | 316L/ 1.4404 Art.-No. |
|---------------|---------------|--------|--------|-------|-------|----------------|----------------|--------|-----------------|-----------------|-----------------------------|-----------------------------|
| 21,34 | 1/2" | 88,90 | 22,40 | 11,20 | 15,70 | 35,10 | 15,70 | 60,50 | 4 | 0,400 | ● 29160 | ● 29175 |
| 26,67 | 3/4" | 98,60 | 27,70 | 12,70 | 15,70 | 42,90 | 15,70 | 69,90 | 4 | 0,700 | ● 29161 | ● 29176 |
| 33,40 | 1" | 108,00 | 34,50 | 14,20 | 17,50 | 50,80 | 15,70 | 79,20 | 4 | 0,800 | ● 29162 | ● 29177 |
| 42,16 | 1 1/4" | 117,30 | 43,20 | 15,70 | 20,60 | 63,50 | 15,70 | 88,90 | 4 | 1,100 | ● 37320 | ● 37323 |
| 48,26 | 1 1/2" | 127,00 | 49,50 | 17,50 | 22,40 | 73,20 | 15,70 | 98,60 | 4 | 1,400 | ● 29163 | ● 29178 |
| 60,33 | 2" | 152,40 | 62,00 | 19,10 | 25,40 | 91,90 | 19,10 | 120,70 | 4 | 2,200 | ● 29164 | ● 29179 |
| 73,03 | 2 1/2" | 177,80 | 74,70 | 22,40 | 28,40 | 104,60 | 19,10 | 139,70 | 4 | 3,600 | ● 29165 | ● 29180 |
| 88,90 | 3" | 190,50 | 90,70 | 23,90 | 30,20 | 127,00 | 19,10 | 152,40 | 4 | 4,100 | ● 29166 | ● 29181 |
| 114,30 | 4" | 228,60 | 116,10 | 23,90 | 33,30 | 157,20 | 19,10 | 190,50 | 8 | 5,600 | ● 29167 | ● 29182 |
| 141,30 | 5" | 254,00 | 143,80 | 23,90 | 36,60 | 185,70 | 22,40 | 215,90 | 8 | 6,300 | ● 37322 | ● 37325 |
| 168,28 | 6" | 279,40 | 170,70 | 25,40 | 39,60 | 215,90 | 22,40 | 241,30 | 8 | 7,500 | ● 29168 | ● 29183 |
| 219,08 | 8" | 342,90 | 221,50 | 28,40 | 44,50 | 269,70 | 22,40 | 298,50 | 8 | 12,600 | ● 29169 | ● 29184 |



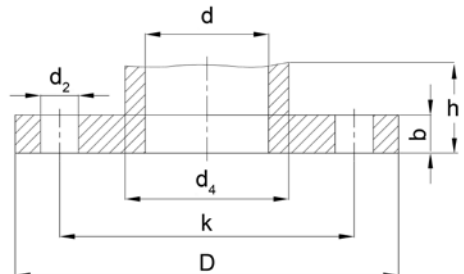
Überschiebflansch

300lbs, gem. ASTM A 182,
ASME B16.5 SO/RF

Slip-on flange

300lbs, acc. to ASTM A 182,
ASME B16.5 SO/RF

| Abm./ Dim. | Zoll/ Inch | D | d | b | h | d ₄ | d ₂ | k | Löcher holes | kg/Stk kg/pc | 304L/ 1.4307 Art.-No. | 316L/ 1.4404 Art.-No. |
|---------------|---------------|--------|--------|-------|-------|----------------|----------------|--------|-----------------|-----------------|-----------------------------|-----------------------------|
| 21,34 | 1/2" | 95,30 | 22,40 | 14,20 | 22,40 | 35,10 | 21,30 | 66,50 | 4 | 0,700 | ● 37326 | ● 37339 |
| 26,67 | 3/4" | 117,30 | 27,70 | 15,70 | 25,40 | 42,90 | 26,70 | 82,60 | 4 | 1,100 | ● 37327 | ● 37340 |
| 33,40 | 1" | 123,90 | 34,50 | 17,50 | 26,90 | 50,80 | 33,40 | 88,90 | 4 | 1,400 | ● 37328 | ● 37341 |
| 42,16 | 1 1/4" | 133,40 | 43,20 | 19,10 | 26,90 | 63,50 | 42,10 | 98,60 | 4 | 1,800 | ● 37329 | ● 37342 |
| 48,26 | 1 1/2" | 155,40 | 49,50 | 20,60 | 30,20 | 73,20 | 48,20 | 114,30 | 4 | 2,600 | ● 37330 | ● 37343 |
| 60,33 | 2" | 165,10 | 62,00 | 22,40 | 33,30 | 91,90 | 60,30 | 127,00 | 8 | 3,400 | ● 37331 | ● 37344 |
| 73,03 | 2 1/2" | 190,50 | 74,70 | 25,40 | 38,10 | 104,60 | 73,00 | 149,40 | 8 | 4,400 | ● 37332 | ● 37345 |
| 88,90 | 3" | 209,60 | 90,70 | 28,40 | 42,90 | 127,00 | 88,90 | 168,10 | 8 | 6,100 | ● 37333 | ● 37346 |
| 114,30 | 4" | 254,00 | 116,10 | 31,80 | 47,80 | 157,20 | 114,30 | 200,20 | 8 | 10,100 | ● 37335 | ● 37348 |
| 141,30 | 5" | 279,40 | 143,80 | 35,10 | 50,80 | 185,70 | 141,30 | 235,00 | 8 | 12,500 | ● 37336 | ● 37349 |
| 168,28 | 6" | 317,50 | 170,70 | 36,60 | 52,30 | 215,90 | 168,30 | 269,70 | 12 | 14,100 | ● 37337 | ● 37350 |
| 219,08 | 8" | 381,00 | 221,50 | 41,10 | 62,00 | 269,70 | 219,00 | 330,20 | 12 | 24,800 | ● 37338 | ● 37351 |





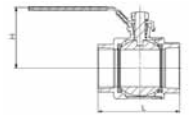
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| Non-return valve | from Page 159 |
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Kugelhahn, 2-teilig, 300CFM, Baulänge DIN 3202/4 Reihe M3,
voller Durchgang, mit Adaption, abschliessbar,
Innengewinde EN 10226-1 / ISO 7-1

Ball valve, 2 piece, 300CFM, overall length DIN 3202/4 series M3,
full bore, with adaption, lockable,
female thread EN 10226-1 / ISO 7-1

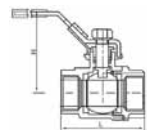
| Abm./Dim. | H mm | L mm | Kg/Stk/pc | EN 1.4401 |
|-----------|--------|--------|-----------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 59,00 | 55,00 | 0,260 | ● 35001 |
| 3/8" | 59,00 | 60,00 | 0,280 | ● 35008 |
| 1/2" | 59,00 | 75,00 | 0,300 | ● 35000 |
| 3/4" | 64,00 | 80,00 | 0,550 | ● 35007 |
| 1" | 78,00 | 90,00 | 0,840 | ● 35004 |
| 1 1/4" | 83,00 | 110,00 | 1,260 | ● 35003 |
| 1 1/2" | 102,00 | 120,00 | 2,000 | ● 35002 |
| 2" | 108,00 | 140,00 | 3,130 | ● 35006 |
| 2 1/2" | 138,00 | 185,00 | 6,000 | ● 35005 |
| 3" | 146,00 | 205,00 | 10,100 | ● 35009 |



Kugelhahn, 2-teilig, 300CFA,
voller Durchgang, mit Adaption, abschliessbar,
Innengewinde DIN EN 10226-1 / ISO 7-1

Ball valve, 2 piece, 300CFA,
full bore, with adaption, lockable,
female thread EN DIN 228 / ISO 7-1

| Abm./Dim. | H mm | L mm | Kg/Paar/pc | AISI 316 |
|-----------|--------|--------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 1/4" | 51,00 | 49,00 | 0,200 | ● 29040 |
| 3/8" | 51,00 | 49,00 | 0,200 | ● 29041 |
| 1/2" | 55,00 | 57,00 | 0,250 | ● 29042 |
| 3/4" | 59,00 | 65,00 | 0,385 | ● 29043 |
| 1" | 73,00 | 78,00 | 0,555 | ● 29044 |
| 1 1/4" | 78,00 | 90,50 | 0,960 | ● 29045 |
| 1 1/2" | 91,00 | 105,00 | 1,350 | ● 29046 |
| 2" | 99,00 | 127,00 | 2,180 | ● 29047 |
| 2 1/2" | 130,00 | 160,00 | 6,000 | ● 29228 |
| 3" | 142,00 | 180,00 | 10,100 | ● 29229 |



Kugelhahn, 1-teilig, 300E,
 reduzierter Durchgang,
 Innengewinde DIN EN 228-1 / ISO 7-1
 Ball valve, 1 piece, 300E,
 reduced bore,
 female thread DIN EN 228-1 / ISO 7-1

| Abm./Dim. | Kg/Stk/pc | EN 1.4401 |
|-----------|-----------|----------------------------|
| | | Artikel-Nr. Article-No. |
| 1 1/2" | 0,850 | ● 35010 |
| 2" | 1,350 | ● 35011 |

Schmutzfänger - 355
 Schrägsitzform,
 Innengewinde DIN EN 228-1 / ISO 7-1
 Strainer - 355
 Y-shaped,
 female thread DIN EN 228-1 / ISO 7-1

| Abm./Dim. | H mm | L mm | Kg/Paar/pc | EN 1.4401 |
|-----------|-------|-------|------------|----------------------------|
| | | | | Artikel-Nr. Article-No. |
| 3/4" | 54,00 | 80,00 | 0,300 | ● 31325 |
| 1" | 67,00 | 90,00 | 0,400 | ● 31335 |



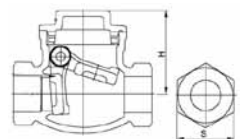
Muffenrückschlagventil - 356
Schrägsitzform,
Innengewinde DIN EN 228-1 / ISO 7-1
Non-return valve - 356
Y-shaped,
female thread DIN EN 228-1 / ISO 7-1

| Abm./Dim. | H mm | L mm | Kg/Stk/pc | EN 1.4401 | Artikel-Nr. Article-No. |
|-----------|-------|-------|-----------|-----------|----------------------------|
| 1/4" | 46,50 | 65,00 | 0,250 | | ● 35163 |
| 3/8" | 46,50 | 65,00 | 0,244 | | ● 35166 |
| 1/2" | 46,50 | 65,00 | 0,248 | | ● 35162 |
| 3/4" | 68,50 | 80,00 | 0,404 | | ● 35165 |
| 1" | 71,00 | 90,00 | 0,783 | | ● 35164 |



Muffenrückschlagklappe - 360
Innengewinde
DIN EN 228-1 / ISO 7-1
Swing check valve - 360
female thread
DIN EN 228-1 / ISO 7-1

| Abm./Dim. | H mm | S mm | Kg/Stk/pc | EN 1.4401 | Artikel-Nr. Article-No. |
|-----------|-------|-------|-----------|-----------|----------------------------|
| 1/2" | 44,00 | 65,00 | 0,297 | | ● 35167 |
| 3/4" | 52,00 | 80,00 | 0,487 | | ● 35169 |
| 1" | 62,00 | 89,00 | 0,736 | | ● 35168 |





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Teekay Axilock Rohrkupplung
Teekay Axilock pipe coupling

Funktion

Kupplung zum kraftschlüssigen zugfesten Verbinden glatter Rohre aus Metall mit ungefähr gleichen Außendurchmessern. Kompensation von Winkelabweichungen, Ovalitäten, Unterschiede im Rohrdurchmesser und Vibrationen.

Konstruktion

Verbindung und Dichtung durch tangentielle Rippen über die Breite der Dichtmanschette. Ein Stahlmantel umgibt und hält die Manschette. Durch tangenciales Anziehen von 2 Schrauben am Mantel, werden die Zähne eines Ankerings durch die letzte Dichtlippe in die Rohroberfläche gepresst und bewirken den Kraftschluß. Durch das Verquetschen der tangentialen Lippen auf der Rohroberfläche entsteht eine sichere Dichtung.

DN-Bereiche

Nennweiten von 15 mm bis 400 mm

Anker

Axilock-Kupplungen sind eine echte Alternative zu einer Flanschverbindung. Die Verlegung sollte entsprechend einer qualifiziert verlegten Flanschrohrleitung erfolgen.

Betriebsdruck

bis 16 bar

Typ I

Mantel: Edelstahl (1.4301)
Verschraubung: zugf. Stahl, verzinkt, PTFE-beschichtet
Manschette: EPDM, alternativ: NITRIL (NBR), VITON

Typ II

Mantel: Edelstahl (1.4301)
Verschraubung: Edelstahl (1.4404)
Manschette: EPDM, alternativ: NITRIL (NBR), VITON

Typ IV

Mantel: Edelstahl (1.4404)
Verschraubung: Edelstahl (1.4404)
Manschette: EPDM, alternativ: NITRIL (NBR), VITON

Typ V

Mantel: zugfester Stahl, verzinkt
Verschraubung: zugfester Stahl, verzinkt
Manschette: EPDM, alternativ: NITRIL (NBR), VITON

Typ VI

Mantel: Edelstahl (1.4462)
Verschraubung: Edelstahl (1.4462)
Manschette: EPDM, alternativ: NITRIL (NBR), VITON



Function

The Teekay Axilock range is designed to replace the need for flanging, welding, pipe grooving and pipe threading by providing a quick and easy solution to joining plain-end pipe.

Construction

Incorporating two grip rings at either end of the fitting, the Teekay Axilock offers high levels of security by ensuring the pipes cannot pull apart under pressure. Each coupling is 100% rubber-lined, ensuring high levels of corrosion resistance are maintained through the life of the coupling.

DN-range

From 15 mm to 400 mm

Anchor

Axilock couplings are a good alternative to a flange. The hauling should be effected according to a qualified laid flange pipe.

Working pressure

up to 16 bar

Typ I

| | |
|------------|--|
| Casing: | Stainless Steel (1.4301) |
| Fasteners: | Alloy Steel, PTFE-Coating |
| Gasket: | EPDM, alternative: NITRIL (NBR), VITON |

Typ II

| | |
|------------|--|
| Casing: | Stainless Steel (1.4301) |
| Fasteners: | Stainless Steel (1.4404) |
| Gasket: | EPDM, alternative: NITRIL (NBR), VITON |

Typ IV

| | |
|------------|--|
| Casing: | Stainless Steel (1.4404) |
| Fasteners: | Stainless Steel (1.4404) |
| Gasket: | EPDM, alternative: NITRIL (NBR), VITON |

Typ V

| | |
|------------|--|
| Casing: | tensile steel, galvanized |
| Fasteners: | tensile steel, galvanized |
| Gasket: | EPDM, alternative: NITRIL (NBR), VITON |

Typ VI

| | |
|------------|--|
| Casing: | Stainless Steel (1.4462) |
| Fasteners: | Stainless Steel (1.4462) |
| Gasket: | EPDM, alternative: NITRIL (NBR), VITON |



Teekay Axilock FP Rohrkupplung
Teekay Axilock FP pipe coupling

Funktion

Teekay Axilock FP (Fire Proof) steht für die ultimative, hoch sichere und feuerfeste mechanische Rohrkupplung. Mit ihrer einzigartigen inneren Feuerausfütterung und dem Doppel-Gehäuse-Design ist es offensichtlich, warum diese Kupplung der Favorit in der Marine und der maritimen Industrie ist. Axilock FP ist gemäß militärischen Normen auf Schock- und Brandfestigkeit getestet und erfüllt völlig die aktuellen IACS Anforderungen.

DN-Bereiche

Nennweiten von 32 mm bis 200 mm

Typ I

Mantel: Edelstahl (1.4301)
Verschraubung: zugf. Stahl, verzinkt, PTFE-beschichtet
Manschette: EPDM, alternativ: NITRIL (NBR)

Typ II

Mantel: Edelstahl (1.4301)
Verschraubung: Edelstahl (1.4404)
Manschette: EPDM, alternativ: NITRIL (NBR)

Typ IV

Mantel: Edelstahl (1.4404)
Verschraubung: Edelstahl (1.4404)
Manschette: EPDM, alternativ: NITRIL (NBR)

Typ V

Mantel: zugfester Stahl, verzinkt
Verschraubung: zugfester Stahl, verzinkt
Manschette: EPDM, alternativ: NITRIL (NBR)

Typ VI

Mantel: Edelstahl (1.4462)
Verschraubung: Edelstahl (1.4462)
Manschette: EPDM, alternativ: NITRIL (NBR)



Function

The Teekay Axilock FP represents the ultimate in high security fire protected mechanical pipe couplings. With its unique internal fire sleeve and double casing design it is plain to see why this coupling is the primary pipe connection of choice in the marine and naval market sectors. The Axilock FP has been tested to military standards for shock and fire resistance and is fully compliant with current IACS regulations.

DN-range

From 32 mm to 200 mm

Typ I

| | |
|------------|---------------------------------|
| Casing: | Stainless steel (1.4301) |
| Fasteners: | Alloy Steel, PTFE-Coating |
| Gasket: | EPDM, alternative: NITRIL (NBR) |

Typ II

| | |
|------------|---------------------------------|
| Casing: | Stainless steel (1.4301) |
| Fasteners: | Stainless steel (1.4404) |
| Gasket: | EPDM, alternative: NITRIL (NBR) |

Typ IV

| | |
|------------|---------------------------------|
| Casing: | Stainless steel (1.4404) |
| Fasteners: | Stainless steel (1.4404) |
| Gasket: | EPDM, alternative: NITRIL (NBR) |

Typ V

| | |
|------------|---------------------------------|
| Casing: | tensile steel, galvanized |
| Fasteners: | tensile steel, galvanized |
| Gasket: | EPDM, alternative: NITRIL (NBR) |

Typ VI

| | |
|------------|---------------------------------|
| Casing: | Stainless steel (1.4462) |
| Fasteners: | Stainless steel (1.4462) |
| Gasket: | EPDM, alternative: NITRIL (NBR) |



Teekay Axiflex Rohrkupplung Teekay Axiflex pipe coupling

Funktion

Kupplung zum raschen Verbinden glattendender Rohre jeglichen Materials mit ungefähr gleichen Außendurchmessern. Sie kompensiert Längenausdehnungen, Winkelabweichungen, Ovalitäten, Unterschiede im Rohrdurchmesser und Vibrationen.

Konstruktion

Verbindung und Dichtung durch Lippen an beiden Enden der Manschette. Ein Stahlmantel umgibt und hält die Manschette. Durch tangentiales Anziehen von 2 bis max 4 Schrauben am Mantel, wird die Kupplung befestigt.

DN-Bereiche

Nennweiten von 15 mm bis 4.000 mm

Anker

Die Kupplungen sind flexibel und deshalb nicht für die Aufnahme von Axialkräften konstruiert. Bei oberflächenverlegten Druckleitungen sind gegebenenfalls Anker oder Fixpunkte notwendig.

Betriebsdruck

bis 16 bar

Verfügbarkeit

Verfügbar in Typ I - VI mit EPDM, NBR, VITON-Dichtung



Teekay Axiflex Rohrkupplung

Teekay Axiflex pipe coupling

Function

The Teekay Axiflex is a high performance coupling that allows generous pipe misalignment and accommodates expansion and contraction. The Axiflex is a popular choice of coupling with water authorities, civil engineers and building contractors.

Construction

The stainless steel and high strength steel designs ensure significant weight savings are achieved over cast iron couplings. This results in less man power, quicker installation times onsite and massive cost savings.

DN-range

From 15 mm to 4.000 mm

Anchor

The couplings are flexible and therefore not designed to absorb axial forces.

Working pressure

up to 16 bar

Availability

Available in Typ I - VI with EPDM, NBR, VITON seal



Teekay Reparaturkupplung
Teekay Axilock repair coupling

Funktion

Aufklappbare Kupplung zum nachträglichen Anbringen an bestehende Leitungssysteme aus jeglichem Material zum Abdichten von Löchern, Radialrissen, kleineren Axialrissen oder als Ersatz undichter Verbindungen.

Konstruktion

Der Mantel aus gewalztem Stahlblech ist um ein Scharnier klappbar und wird auf der gegenüberliegenden Seite durch zwei oder mehr Schrauben verschlossen. Die Dichtung erfolgt über die beiden seitlichen Lippen der im Mantel liegenden Dichtmanschette. Die Manschette ist in axialer Richtung durch einen wellenförmigen Schnitt geteilt. In der Teilfuge ist das Material bis auf die Höhe der Lippen bzw. des Rohrdurchmessers verstärkt, so dass die Teilung zfach gegen eine Leckage gesichert ist.

DN-Bereiche

von 40 mm bis 2.000 mm

Anker

Beim Ersatz für undichte Verbindungselemente müssen gegebenenfalls Fixpunkte angebracht werden.

Typ I

Mantel: Edelstahl (1.4301)
Verschraubung: zugf. Stahl, verzinkt, PTFE-beschichtet
Manschette: EPDM, alternativ: NITRIL (NBR), VITON

Typ II

Mantel: Edelstahl (1.4301)
Verschraubung: Edelstahl (1.4404)
Manschette: EPDM, alternativ: NITRIL (NBR), VITON

Typ IV

Mantel: Edelstahl (1.4404)
Verschraubung: Edelstahl (1.4404)
Manschette: EPDM, alternativ: NITRIL (NBR), VITON

Typ V

Mantel: C-Stahl, PVC-besch. o. zugf. Stahl, verzinkt
Verschraubung: C-Stahl, PVC-besch. o. zugf. Stahl, verzinkt
Manschette: EPDM, alternativ: NITRIL (NBR), VITON

Typ VI

Mantel: Edelstahl (1.4462)
Verschraubung: Edelstahl (1.4462)
Manschette: EPDM, alternativ: NITRIL (NBR), VITON



Function

The Teekay Repair Coupling is ideal for all situations where you need to make a permanent repair under pressure. Simply open up the coupling, wrap it around the pipe and fasten - you have repaired the pipeline in minutes and avoided the need for costly downtime.

Construction

The Repair Coupling comes with no loose parts and features our standard gasket which actively seals onto the pipe. The Teekay Repair Coupling is used throughout the water, process, oil & gas and marine industries.

DN-range

From 40 mm up to 2.000 mm

Anchor

When replacing leaky fastening elements fixed-points must be attached if necessary.

Typ I

Casing: Stainless steel (1.4301)
Fasteners: Alloy Steel, PTFE-Coating
Gasket: EPDM, alternative: NITRIL (NBR), VITON

Typ II

Casing: Stainless steel (1.4301)
Fasteners: Stainless steel (1.4404)
Gasket: EPDM, alternative: NITRIL (NBR), VITON

Typ IV

Casing: Stainless steel (1.4404)
Fasteners: Stainless steel (1.4404)
Gasket: EPDM, alternative: NITRIL (NBR), VITON

Typ V

Casing: High strength steel, PVC coatings or Alloy steel, galvanized
Fasteners: High strength steel, PVC coatings or Alloy steel, galvanized
Gasket: EPDM, alternative: NITRIL (NBR), VITON

Typ VI

Casing: Stainless steel (1.4462)
Fasteners: Stainless steel (1.4462)
Gasket: EPDM, alternative: NITRIL (NBR), VITON



Teekay Stufenkupplung
Teekay stepped coupling

Funktion

Stufenkupplungen mit einer Vielzahl von asymmetrischen Dichtungsmanschetten sind vorgesehen für Verbindungen jeglicher Art von zwei glattendenden Rohren mit einem Unterschied im Außendurchmesser bis zu 25mm.

Konstruktion

Verbindung und Dichtung durch Lippen an den Seiten der Dichtmanschette. Eine Der Dichtlippen ist entsprechend der Abstufung stärker ausgebildet, mit vergrößerter Lippenstärke und konischem Verlauf nach außen. Ein Stahlmantel umgibt und hält die Manschette, Durch tangenciales Anziehen der Verschraubung wird die Kupplung befestigt.

Einsatz

Typische Anwendungen: Gebäudesanierung (wo ein neues Rohrsystem auf ein altes montiert werden muss), Reparaturen an Wasserleitungen (wo das Rohr Korrosion aufweist und durch neues Material ersetzt werden muss).

DN-Bereiche

von 40 mm bis 2.000 mm

Anker

Die Kupplungen sind flexibel und deshalb nicht für die Aufnahme von Axialkräften geeignet.

Typ I

Mantel: Edelstahl (1.4301)
Verschraubung: zugf. Stahl, verzinkt, PTFE-beschichtet
Manschette: EPDM

Typ II

Mantel: Edelstahl (1.4301)
Verschraubung: Edelstahl (1.4404), Schrauben SLV-beschichtet
Manschette: EPDM

Typ IV

Mantel: Edelstahl (1.4404)
Verschraubung: Edelstahl (1.4404), Schrauben SLV-beschichtet
Manschette: EPDM

Typ V

Mantel: C-Stahl, PVC-besch. o. zugf. Stahl, verzinkt
Verschraubung: C-Stahl, PVC-besch. o. zugf. Stahl, verzinkt
Manschette: EPDM



Function

The Teekay Stepped coupling is the “problem-solver” on anysite! With the ability to join pipes of different ODs and different materials, the Stepped coupling is a well-engineered product that has significant pressure capabilities.

Construction

Connection and seal via lips on the sides of the gasket. One of the sealing lip is, in accordance to the gradation, strongly developed, with enlarged lip thickness and tapered outward course. A steel casing surrounds and holds the gasket. The coupling is attached by tangential tightening the fasteners.

Application

Typical applications: building refurbishments (where the contractor is connecting a piped system back into the original layout), repairs to old water mains (where the pipe is so corroded it needs to be replaced with a new material in metric size).

DN-range

From 40 mm to 2.000 mm

Anchor

The couplings are flexible and therefore not designed to absorb axial forces.

Typ I

Casing: Stainless steel (1.4301)
Fasteners: Alloy Steel, PTFE-Coating
Gasket: EPDM

Typ II

Casing: Stainless steel (1.4301)
Fasteners: Stainless steel (1.4404), SLV-coated screws
Gasket: EPDM

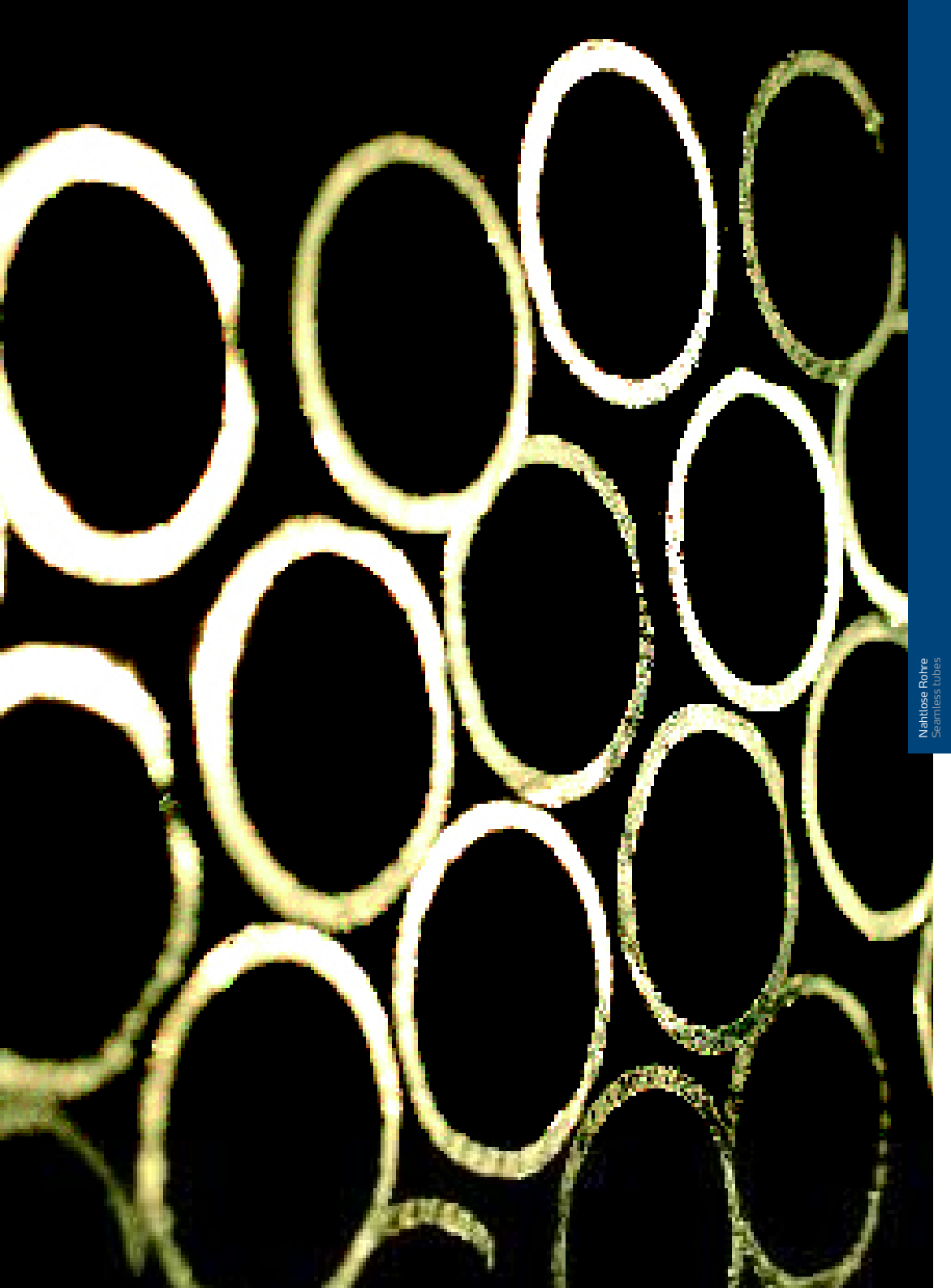
Typ IV

Casing: Stainless steel (1.4404)
Fasteners: Stainless steel (1.4404), SLV-coated screws
Gasket: EPDM

Typ V

Casing: High strength steel, PVC coatings or Alloy steel, galvanized
Fasteners: High strength steel, PVC coatings or Alloy steel, galvanized
Gasket: EPDM



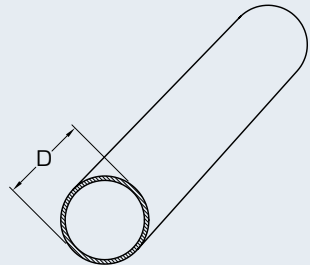


Nahtlose Rohre/Seamless tubes

Toleranz-Tabelle für Außendurchmesser nach ISO 1127

Tolerance table for outer diameter according to ISO 1127

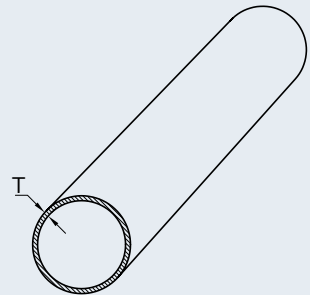
| Tolerance class | Tolerance |
|-----------------|------------------------------------|
| D ₁ | +/- 1,50 % jedoch min. +/- 0,75 mm |
| D ₂ | +/- 1,00 % jedoch min. +/- 0,50 mm |
| D ₃ | +/- 0,75 % jedoch min. +/- 0,30 mm |
| D ₄ | +/- 0,50 % jedoch min. +/- 0,10 mm |



Toleranz-Tabelle für Wandstärken nach ISO 1127

Tolerance table for wall thickness according to ISO 1127

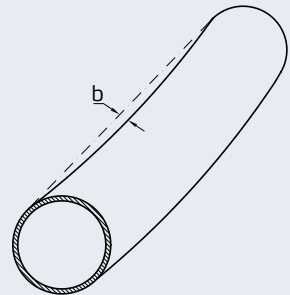
| Tolerance class | Tolerance |
|-----------------|-------------------------------------|
| T ₁ | +/- 15,00 % jedoch min. +/- 0,60 mm |
| T ₂ | +/- 12,50 % jedoch min. +/- 0,40 mm |
| T ₃ | +/- 10,00 % jedoch min. +/- 0,15 mm |
| T ₄ | +/- 7,50 % jedoch min. +/- 0,15 mm |
| T ₅ | +/- 5,00 % jedoch min. +/- 0,10 mm |



Toleranz-Tabelle für Geradheit nach ISO 1127

Tolerance table for straightness according to ISO 1127

| Tubetype | Tolerance |
|----------------------|--|
| Seamless steel tubes | L x 0,0015, jedoch max. 3 mm auf 1000 mm |



Arbeitsdruck

Working pressure

Max. erlaubter Arbeitsdruck für nahtlose Rohre bei 20°C,
berechnet nach folgender Formel:

Max. permissible working pressure for seamless tubes at 20°C,
calculated by using the following formular:

$$\frac{200 \times 12 \times g}{d} \quad (g = \text{Wandstärke/Wall thickness, } d = \text{Durchmesser/Diameter})$$

Beispiel/Example: Dim. 50 x 2 mm: $\frac{200 \times 12 \times 2}{50} = 96 \text{ kg/cm}^3$

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgegläht, EN 10216-5, teilweise ADW2

Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,
ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 3,00 x 0,50 | 0,031 | | | | | ● 37762 |
| 4,00 x 1,00 | 0,075 | | | | ● 00003 | ● 00006 |
| 5,00 x 0,50 | 0,056 | | ● 00008 | | | ● 00011 |
| x 1,00 | 0,100 | | | | ● 00009 | ● 00012 |
| 6,00 x 0,50 | 0,069 | | ● 00020 | | | |
| x 1,00 | 0,125 | | ● 00013 | ● 00016 | ● 00015 | ● 00018 |
| x 1,50 | 0,169 | | ● 00019 | | | ● 00023 |
| x 2,00 | 0,200 | | ● 00024 | | ● 00026 | ● 00029 |
| 8,00 x 0,50 | 0,094 | | ● 00031 | | | |
| x 1,00 | 0,175 | | ● 00030 | ● 00033 | ● 00032 | ● 00035 |
| x 1,50 | 0,244 | | ● 00036 | | ● 00038 | ● 00041 |
| x 2,00 | 0,300 | | ● 00042 | | ● 00044 | ● 00047 |
| x 2,50 | 0,344 | | | | | ● 36366 |
| 9,00 x 1,00 | 0,200 | | ● 00048 | | | ● 00053 |
| x 1,50 | 0,282 | | ● 00054 | | | |
| 10,00 x 0,50 | 0,119 | | | | | ● 10469 |
| x 1,00 | 0,225 | | ● 00060 | ● 00063 | ● 00062 | ● 00065 |
| x 1,50 | 0,319 | | ● 00066 | | ● 00068 | ● 00071 |
| x 2,00 | 0,401 | | ● 00072 | ● 00075 | ● 00074 | ● 00077 |
| x 2,50 | 0,470 | | ● 00078 | | | |
| x 3,00 | 0,526 | | ● 00079 | | ● 00073 | ● 00082 |
| 10,20 x 1,60 | 0,345 | | ● 00084 | | | ● 00089 |
| x 2,00 | 0,411 | | ● 00090 | | ● 00092 | |
| 11,00 x 1,00 | 0,250 | | | | | ● 00097 |
| x 1,50 | 0,357 | | | | ● 00098 | ● 00101 |
| x 2,00 | 0,451 | | | | | ● 00100 |
| 12,00 x 1,00 | 0,275 | | ● 00102 | ● 00105 | ● 00104 | ● 00107 |
| x 1,50 | 0,394 | | ● 00108 | ● 00111 | ● 00110 | ● 00113 |
| x 2,00 | 0,501 | | ● 00114 | | ● 00116 | ● 00119 |
| x 2,50 | 0,595 | | | | ● 00109 | ● 00106 |
| x 3,00 | 0,676 | | ● 30622 | | | ● 00115 |
| x 4,00 | 0,801 | | ● 00118 | | | ● 00112 |
| 13,00 x 1,00 | 0,300 | | ● 00120 | | | ● 00125 |
| x 1,50 | 0,432 | | ● 00126 | | | ● 00131 |
| 13,50 x 1,60 | 0,477 | | | | ● 00146 | |
| x 2,00 | 0,576 | | ● 00154 | | | ● 00159 |
| x 2,30 | 0,645 | | ● 00160 | | ● 00162 | ● 00165 |

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgeglüht, EN 10216-5, teilweise ADW2

Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,

ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 13,50 x 2,90 | 0,770 | | ● 00161 | | ● 00164 | ● 00169 |
| 13,72 x 1,65 | 0,498 | | | ● 00167 | | |
| 14,00 x 1,00 | 0,326 | | ● 00178 | ● 00182 | ● 00180 | ● 00183 |
| x 1,50 | 0,470 | | ● 00184 | | ● 00186 | ● 00190 |
| x 2,00 | 0,601 | | ● 00191 | | ● 00193 | ● 00196 |
| x 2,50 | 0,720 | | ● 00197 | | | ● 00202 |
| x 3,00 | 0,826 | | ● 00203 | | ● 00205 | ● 00208 |
| x 4,00 | 1,002 | | ● 00181 | | | ● 00207 |
| 15,00 x 1,00 | 0,351 | | ● 00209 | ● 00212 | ● 00211 | ● 00214 |
| x 1,50 | 0,507 | | ● 00215 | | ● 00217 | ● 00220 |
| x 2,00 | 0,651 | | ● 00221 | | ● 00223 | ● 00226 |
| x 2,50 | 0,783 | | ● 00999 | | | ● 00219 |
| x 3,00 | 0,901 | | | | ● 00216 | |
| x 4,00 | 1,102 | | ● 00222 | | ● 00213 | ● 00225 |
| x 5,00 | 1,252 | | ● 00210 | | | |
| 16,00 x 1,00 | 0,376 | | ● 00227 | | ● 00229 | ● 01468 |
| x 1,25 | 0,462 | | ● 00228 | | | |
| x 1,50 | 0,545 | | ● 00233 | | ● 00235 | ● 00238 |
| x 2,00 | 0,701 | | ● 00239 | ● 00242 | ● 00241 | ● 00244 |
| x 2,50 | 0,845 | | ● 00245 | | ● 00246 | ● 00249 |
| x 3,00 | 0,977 | | | | ● 00252 | ● 00256 |
| x 4,00 | 1,202 | | | | ● 00261 | ● 34229 |
| 17,00 x 1,50 | 0,582 | | | | | ● 00274 |
| x 3,00 | 1,052 | | ● 00281 | | ● 00283 | |
| 17,20 x 2,00 | 0,761 | | ● 00312 | | ● 00314 | ● 00317 |
| x 2,30 | 0,858 | | ● 00318 | | ● 00320 | ● 00323 |
| x 2,60 | 0,951 | | | | | ● 00319 |
| x 3,20 | 1,122 | | | | | ● 00302 |
| x 3,60 | 1,226 | | | | | ● 00285 |
| 18,00 x 1,00 | 0,426 | | ● 00324 | | ● 00326 | ● 00329 |
| x 1,50 | 0,620 | | ● 00330 | | ● 00332 | ● 00335 |
| x 2,00 | 0,801 | | ● 00336 | ● 00339 | ● 00338 | ● 00341 |
| x 2,50 | 0,970 | | ● 00342 | | ● 00344 | ● 00347 |
| x 3,00 | 1,127 | | | | ● 00343 | ● 29765 |
| x 3,50 | 1,271 | | ● 00337 | | ● 00334 | ● 00346 |
| x 4,00 | 1,402 | | | | | ● 29766 |
| x 5,00 | 1,628 | | ● 00331 | | | ● 00340 |

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgegläht, EN 10216-5, teilweise ADW2

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Tol.: EN/ISO 1127 bzw. EN 10305-1,
ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 20,00 x 1,00 | 0,476 | | ● 00366 | | | ● 00371 |
| x 1,50 | 0,695 | | ● 00372 | | ● 00374 | ● 00377 |
| x 2,00 | 0,901 | | ● 00378 | ● 00381 | ● 00380 | ● 00383 |
| x 2,50 | 1,096 | | ● 00384 | | ● 00386 | ● 29839 |
| x 3,00 | 1,277 | | ● 00390 | | ● 00392 | ● 00395 |
| x 3,50 | 1,446 | | | | ● 00400 | |
| x 4,00 | 1,603 | | | | ● 00398 | ● 00401 |
| x 5,00 | 1,878 | | | | ● 29807 | |
| x 6,00 | 2,103 | | ● 00385 | | | ● 00391 |
| x 7,00 | 2,279 | | ● 00397 | | | |
| 21,30 x 2,00 | 0,967 | | ● 00408 | ● 00411 | ● 00410 | ● 00413 |
| x 2,60 | 1,217 | | ● 00414 | | ● 00416 | ● 00419 |
| x 2,77 | 1,285 | | ● 00444 | | | |
| x 2,90 | 1,336 | | ● 00420 | | ● 00422 | ● 00425 |
| x 3,20 | 1,450 | | ● 00426 | | ● 00428 | ● 00431 |
| x 4,00 | 1,733 | | | | | ● 00455 |
| x 5,00 | 2,041 | | ● 00458 | | | ● 00461 |
| 21,34 x 2,11 | 1,016 | | ● 00438 | | | ● 29758 |
| x 2,77 | 1,288 | | | | | ● 00447 |
| x 3,73 | 1,645 | | | | ● 29808 | ● 29752 |
| x 4,78 | 1,977 | | | | | ● 00462 |
| 22,00 x 1,00 | 0,526 | | ● 00463 | | ● 00465 | ● 00468 |
| x 1,50 | 0,770 | | ● 00469 | | ● 00471 | ● 00474 |
| x 2,00 | 1,002 | | ● 00475 | | ● 00477 | ● 00480 |
| x 2,50 | 1,221 | | ● 00476 | | ● 00470 | ● 00485 |
| x 3,00 | 1,427 | | | | ● 00483 | ● 00486 |
| x 4,00 | 1,803 | | ● 00487 | | | ● 00492 |
| x 5,00 | 2,128 | | ● 00488 | | | ● 38003 |
| x 6,00 | 2,404 | | ● 00491 | | | ● 00482 |
| 23,00 x 4,00 | 1,903 | | | | | ● 00503 |
| 24,00 x 1,00 | 0,576 | | ● 00505 | | | |
| x 2,00 | 1,102 | | ● 00511 | | ● 00513 | ● 00516 |
| x 3,00 | 1,578 | | | | | ● 00515 |
| x 3,50 | 1,797 | | | | | ● 00522 |
| x 4,00 | 2,003 | | ● 00523 | | ● 00525 | ● 00528 |
| 25,00 x 1,00 | 0,601 | | ● 00529 | | ● 00531 | ● 00534 |
| x 1,50 | 0,883 | | ● 00535 | | ● 00537 | ● 00540 |

Nahtlose Rohre

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Tol.: EN/ISO 1127 bzw. EN 10305-1,

ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 25,00 x 2,00 | 1,152 | | ● 00541 | | ● 00543 | ● 00546 |
| x 2,50 | 1,409 | | ● 00547 | | ● 00549 | ● 00552 |
| x 3,00 | 1,653 | | ● 00553 | | ● 00555 | ● 00558 |
| x 3,50 | 1,884 | | | | ● 00567 | ● 00570 |
| x 4,00 | 2,103 | | ● 00571 | | ● 00573 | ● 00576 |
| x 5,00 | 2,504 | | ● 29794 | | | ● 00572 |
| x 6,00 | 2,855 | | ● 00554 | | ● 38006 | ● 00566 |
| 26,67 x 2,11 | 1,299 | | ● 00584 | ● 00587 | | |
| x 2,87 | 1,710 | | | | ● 29809 | ● 29789 |
| x 3,91 | 2,228 | | | | ● 29810 | ● 29753 |
| x 5,54 | 2,930 | | | | | ● 32591 |
| 26,90 x 1,60 | 1,014 | | ● 00607 | | ● 00609 | ● 00612 |
| x 2,00 | 1,247 | | ● 00613 | ● 00616 | ● 00615 | ● 29754 |
| x 2,30 | 1,417 | | | | | ● 00624 |
| x 2,60 | 1,582 | | ● 00625 | | ● 00627 | ● 00630 |
| x 2,90 | 1,743 | | | | | ● 36370 |
| x 3,20 | 1,899 | | ● 00631 | | ● 00633 | ● 00636 |
| x 4,00 | 2,294 | | ● 00638 | | | ● 00641 |
| x 5,00 | 2,742 | | | | | ● 00604 |
| 27,00 x 3,50 | 2,060 | | ● 00649 | | | ● 00654 |
| x 5,00 | 2,754 | | ● 38001 | | | |
| 28,00 x 1,00 | 0,676 | | ● 00662 | | ● 00664 | ● 00667 |
| x 1,50 | 0,995 | | ● 00668 | | | ● 00674 |
| x 2,00 | 1,302 | | ● 00675 | ● 00678 | ● 00677 | ● 00680 |
| x 2,50 | 1,596 | | ● 00681 | | ● 00683 | ● 00686 |
| x 3,00 | 1,878 | | ● 00687 | | ● 00689 | ● 00692 |
| x 3,50 | 2,147 | | | | ● 00688 | ● 00691 |
| x 4,00 | 2,404 | | ● 00695 | | ● 00682 | ● 00694 |
| x 5,00 | 2,880 | | ● 00693 | | | ● 00698 |
| x 6,00 | 3,305 | | ● 00697 | | | |
| 30,00 x 1,00 | 0,726 | | ● 00705 | | | |
| x 1,50 | 1,070 | | ● 00711 | | ● 00713 | ● 00716 |
| x 2,00 | 1,402 | | ● 00717 | | ● 00719 | ● 00722 |
| x 2,60 | 1,784 | | ● 00723 | | | ● 00728 |
| x 3,00 | 2,028 | | ● 00729 | | ● 00731 | ● 00734 |
| x 3,50 | 2,323 | | ● 00735 | | | ● 00740 |
| x 4,00 | 2,604 | | | ● 37557 | ● 29811 | ● 29755 |

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgegläht, EN 10216-5, teilweise ADW2

Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,
ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 30,00 x 5,00 | 3,130 | | ● 00741 | | ● 00743 | ● 00746 |
| x 6,00 | 3,606 | | ● 00742 | | | ● 38002 |
| 32,00 x 1,50 | 1,146 | | ● 00765 | | | |
| x 2,00 | 1,502 | | ● 00771 | | ● 00773 | ● 00776 |
| x 2,50 | 1,847 | | | | ● 00779 | ● 00782 |
| x 3,00 | 2,178 | | ● 00783 | | | ● 00788 |
| x 3,50 | 2,498 | | ● 00784 | | | |
| x 4,00 | 2,804 | | ● 34989 | | ● 00778 | ● 00787 |
| 33,00 x 1,50 | 1,183 | | ● 00789 | | | ● 00794 |
| x 4,00 | 2,905 | | ● 00801 | | | |
| 33,40 x 2,77 | 2,125 | | | ● 00811 | | |
| x 3,38 | 2,541 | | ● 00814 | | ● 29812 | |
| x 4,55 | 3,287 | | ● 00819 | | ● 00802 | ● 29757 |
| x 6,35 | 4,301 | | ● 00825 | | | |
| 33,70 x 1,60 | 1,286 | | ● 00831 | | | |
| x 2,00 | 1,588 | | ● 00837 | ● 00840 | ● 00839 | ● 00842 |
| x 2,60 | 2,025 | | ● 00843 | | ● 00845 | ● 00848 |
| x 2,90 | 2,237 | | ● 00849 | | ● 00851 | ● 00854 |
| x 3,20 | 2,444 | | ● 00855 | | ● 00857 | ● 00860 |
| x 3,60 | 2,710 | | ● 00861 | | ● 00863 | ● 00866 |
| x 4,05 | 3,007 | | ● 00867 | | ● 00869 | ● 00872 |
| x 4,50 | 3,287 | | | | ● 00821 | |
| x 5,00 | 3,593 | | | | ● 00803 | ● 00871 |
| 34,00 x 2,00 | 1,603 | | ● 00885 | | | ● 00890 |
| x 5,50 | 3,925 | | ● 00903 | | | |
| 35,00 x 1,50 | 1,250 | | ● 00915 | | | |
| x 2,00 | 1,653 | | ● 00921 | | ● 00923 | ● 00926 |
| x 2,50 | 2,035 | | ● 00927 | | ● 00929 | ● 00932 |
| x 2,60 | 2,110 | | | | | ● 36372 |
| x 3,00 | 2,040 | | ● 00928 | | | ● 00931 |
| x 4,00 | 3,105 | | ● 29795 | | | ● 00914 |
| x 5,00 | 3,756 | | | | ● 00935 | ● 00938 |
| 36,00 x 1,50 | 1,296 | | | | | ● 00943 |
| x 2,00 | 1,703 | | ● 00939 | | | ● 00944 |
| 38,00 x 1,50 | 1,371 | | ● 00951 | | ● 00953 | ● 00956 |
| x 2,00 | 1,803 | | ● 00957 | | ● 00959 | ● 00962 |
| x 2,60 | 2,305 | | ● 00963 | | ● 00965 | ● 00968 |

Nahtlose Rohre

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Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,

ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 38,00 x 3,00 | 2,629 | | ● 00969 | | ● 00971 | ● 00974 |
| x 3,60 | 3,101 | | ● 00975 | | | ● 00980 |
| x 4,00 | 3,405 | | ● 00981 | | ● 00983 | ● 00986 |
| x 5,00 | 4,132 | | | | ● 00989 | ● 00992 |
| x 6,00 | 4,808 | | | | ● 00982 | ● 00988 |
| 40,00 x 1,00 | 0,977 | | ● 01606 | | | |
| x 1,50 | 1,446 | | ● 01612 | | ● 01614 | ● 01617 |
| x 2,00 | 1,903 | | ● 01618 | | | ● 01623 |
| x 3,00 | 2,779 | | ● 01630 | | | ● 01635 |
| x 5,00 | 4,382 | | ● 01636 | | ● 01638 | ● 01641 |
| 42,00 x 2,00 | 2,003 | | ● 34673 | | | ● 01659 |
| x 3,00 | 2,930 | | ● 01660 | | | ● 01665 |
| 42,16 x 2,77 | 2,735 | | ● 01684 | | | |
| x 3,56 | 3,444 | | ● 01691 | | | ● 29786 |
| x 4,85 | 4,531 | | ● 01697 | ● 01700 | ● 29829 | ● 01699 |
| x 6,35 | 5,700 | | ● 01702 | ● 01706 | ● 01704 | |
| 42,40 x 1,60 | 1,635 | | ● 01708 | | | |
| x 2,00 | 2,023 | | ● 01714 | ● 01717 | ● 01716 | ● 01719 |
| x 2,60 | 2,591 | | ● 01720 | | ● 01722 | ● 01725 |
| x 3,20 | 3,141 | | ● 01726 | | ● 01728 | ● 01731 |
| x 3,60 | 3,498 | | ● 01727 | | | ● 36373 |
| x 4,05 | 3,889 | | ● 01732 | | ● 01734 | ● 01737 |
| x 5,00 | 4,683 | | ● 01733 | | | |
| 44,50 x 2,00 | 2,128 | | ● 01762 | | | ● 01767 |
| x 2,60 | 2,728 | | ● 01774 | | ● 01776 | |
| x 2,90 | 3,021 | | ● 01780 | | ● 01782 | |
| x 4,00 | 4,056 | | | | ● 01794 | |
| x 5,00 | 4,945 | | ● 01799 | | | |
| x 5,50 | 5,371 | | ● 01798 | | | |
| 45,00 x 3,00 | 3,155 | | ● 01811 | | | |
| x 3,50 | 3,637 | | ● 01816 | | | ● 01821 |
| x 5,00 | 5,008 | | ● 01827 | | | ● 01832 |
| 48,26 x 3,68 | 4,112 | | ● 01858 | | ● 29813 | |
| x 5,08 | 5,493 | | ● 01864 | ● 01867 | ● 29814 | ● 29769 |
| x 7,14 | 7,359 | | ● 01870 | ● 01873 | | ● 01872 |
| 48,30 x 2,00 | 2,319 | | ● 01875 | ● 01878 | ● 01877 | ● 01880 |
| x 2,60 | 2,975 | | ● 01881 | | ● 01883 | ● 01886 |

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgegläht, EN 10216-5, teilweise ADW2

Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,
ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 48,30 x 2,90 | 3,290 | | | | ● 01889 | |
| x 3,20 | 3,614 | | ● 01893 | | ● 01895 | ● 01898 |
| x 3,60 | 4,029 | | | | ● 01840 | ● 01894 |
| x 4,05 | 4,487 | | ● 01899 | | ● 01901 | ● 01904 |
| x 5,00 | 5,421 | | | | | ● 01866 |
| x 6,30 | 6,626 | | ● 01834 | | | |
| x 8,00 | 8,073 | | ● 01869 | | | ● 01882 |
| 50,00 x 1,50 | 1,822 | | ● 01911 | | | |
| x 2,00 | 2,404 | | ● 01917 | | ● 01919 | |
| x 2,50 | 2,974 | | ● 01923 | | | |
| x 3,00 | 3,531 | | ● 01929 | | | |
| x 5,00 | 5,634 | | ● 01935 | | | ● 01940 |
| x 6,00 | 6,611 | | ● 01941 | | | |
| 51,00 x 2,00 | 2,454 | | ● 01965 | | | |
| x 2,60 | 3,151 | | ● 01971 | | | ● 01976 |
| x 4,00 | 4,708 | | ● 01983 | | ● 01985 | ● 01988 |
| 52,00 x 2,00 | 2,504 | | ● 02001 | | | |
| 53,00 x 3,00 | 3,756 | | ● 02020 | | | |
| x 4,00 | 4,908 | | ● 02026 | | ● 02028 | |
| 54,00 x 2,00 | 2,604 | | ● 02044 | | ● 02046 | ● 02049 |
| x 3,00 | 3,831 | | ● 02050 | | | |
| x 4,00 | 5,008 | | ● 02051 | | | |
| 55,00 x 2,00 | 2,654 | | ● 02056 | | | |
| x 2,90 | 3,783 | | ● 02057 | | | |
| x 4,00 | 5,108 | | ● 02063 | | | |
| x 5,00 | 6,260 | | ● 02068 | | | |
| 57,00 x 2,00 | 2,754 | | | | | ● 02079 |
| x 2,60 | 3,542 | | | | ● 02088 | ● 02091 |
| x 2,90 | 3,929 | | ● 02092 | | ● 02094 | ● 02097 |
| x 3,50 | 4,689 | | ● 02098 | | | |
| x 4,00 | 5,308 | | ● 02104 | | ● 02106 | ● 02109 |
| x 4,50 | 5,916 | | | | ● 02112 | ● 02115 |
| x 5,00 | 6,510 | | | | ● 02118 | ● 02121 |
| x 6,50 | 8,220 | | ● 02122 | | | |
| 60,00 x 5,00 | 6,886 | | ● 02134 | | ● 02136 | ● 02139 |
| 60,30 x 2,00 | 2,920 | | ● 02140 | ● 02143 | ● 02142 | ● 02145 |
| x 2,60 | 3,757 | | ● 02152 | | | ● 02157 |

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgeglüht, EN 10216-5, teilweise ADW2

Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,

ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|--------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 60,30 x 2,77 | 3,990 | | | | | ● 29771 |
| x 2,90 | 4,168 | | ● 02158 | | ● 02160 | ● 02163 |
| x 3,20 | 4,575 | | | | ● 02166 | ● 02169 |
| x 3,60 | 5,111 | | ● 02170 | | ● 02172 | ● 02175 |
| x 3,91 | 5,521 | | ● 02195 | | ● 29815 | ● 29772 |
| x 4,00 | 5,630 | | | | | ● 36374 |
| x 4,50 | 6,288 | | ● 02176 | | ● 02178 | ● 02181 |
| x 5,54 | 7,596 | | ● 29835 | | ● 29816 | ● 29773 |
| x 6,30 | 8,519 | | ● 02135 | | ● 02177 | ● 02141 |
| x 7,10 | 9,458 | | ● 38008 | | | |
| x 8,00 | 10,480 | | ● 02206 | | ● 02138 | ● 34672 |
| x 10,00 | 12,595 | | | | | ● 02147 |
| 60,33 x 5,54 | 7,596 | | | ● 02204 | | |
| x 8,74 | 11,284 | | ● 02207 | | ● 02208 | ● 02209 |
| 63,50 x 2,50 | 3,618 | | | | ● 02237 | |
| x 2,60 | 3,965 | | ● 02236 | | | ● 02241 |
| 64,00 x 2,00 | 3,105 | | ● 02248 | | | ● 02253 |
| 65,00 x 2,50 | 3,913 | | ● 02254 | | | |
| x 3,50 | 5,390 | | ● 02266 | | ● 02268 | ● 02271 |
| 70,00 x 2,00 | 3,405 | | ● 02278 | | | ● 02283 |
| x 2,90 | 4,873 | | ● 02290 | | ● 02292 | ● 02295 |
| x 4,00 | 6,611 | | ● 02296 | | ● 02298 | |
| x 5,00 | 8,138 | | | | ● 02310 | ● 02313 |
| x 7,00 | 11,045 | | ● 02320 | | | |
| 73,03 x 3,05 | 5,342 | | | ● 02336 | | |
| x 5,16 | 8,769 | | ● 02338 | | ● 29799 | |
| x 7,01 | 11,583 | | ● 02345 | | | |
| 76,00 x 5,00 | 8,889 | | | | ● 02376 | |
| 76,10 x 2,00 | 3,711 | | ● 02398 | ● 02401 | ● 02400 | ● 02403 |
| x 2,30 | 4,250 | | | | | ● 36376 |
| x 2,60 | 4,785 | | ● 02404 | | ● 02406 | ● 02409 |
| x 2,90 | 5,315 | | ● 02410 | | ● 29817 | ● 02415 |
| x 3,20 | 5,840 | | ● 02416 | | | ● 02421 |
| x 3,60 | 6,535 | | ● 02422 | | ● 02424 | ● 02427 |
| x 4,00 | 7,222 | | ● 02428 | | ● 02430 | ● 02433 |
| x 4,50 | 8,068 | | ● 02434 | | | ● 02439 |
| x 5,00 | 8,902 | | | | | ● 29783 |

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgegläht, EN 10216-5, teilweise ADW2

Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,
ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|---------------|--------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 76,10 x 6,30 | 11,011 | | | | ● 02448 | ● 02451 |
| x 7,10 | 12,267 | | ● 02450 | | ● 02387 | ● 02389 |
| x 8,00 | 13,642 | | ● 02386 | | ● 02393 | ● 02390 |
| x 10,00 | 16,551 | | | | ● 02447 | |
| x 12,50 | 19,907 | | ● 02441 | | ● 02381 | ● 02391 |
| 80,00 x 2,00 | 3,906 | | | | | ● 02457 |
| x 2,50 | 4,852 | | ● 02458 | | | |
| x 4,00 | 7,612 | | ● 02464 | | | ● 02469 |
| x 5,00 | 9,390 | | ● 02470 | | | |
| 82,50 x 3,60 | 7,112 | | ● 02476 | | | ● 02481 |
| 85,00 x 2,50 | 5,165 | | ● 02506 | | ● 02508 | |
| 88,90 x 2,00 | 4,352 | | ● 02536 | ● 02539 | | ● 02541 |
| x 2,30 | 4,987 | | | | ● 02555 | |
| x 2,50 | 5,409 | | | | | ● 02553 |
| x 2,60 | 5,618 | | ● 02549 | | | |
| x 2,90 | 6,245 | | | | ● 02556 | ● 02559 |
| x 3,05 | 6,557 | | | | | ● 29774 |
| x 3,20 | 6,867 | | ● 02566 | | ● 02568 | ● 02571 |
| x 3,60 | 7,689 | | ● 02572 | | ● 02574 | ● 02577 |
| x 4,05 | 8,605 | | ● 02578 | | ● 02580 | ● 02583 |
| x 4,50 | 9,510 | | ● 02584 | | ● 02586 | ● 02589 |
| x 5,00 | 11,130 | | | | ● 36363 | ● 02585 |
| x 5,49 | 11,466 | | ● 02591 | | ● 29819 | ● 29775 |
| x 6,30 | 13,030 | | ● 02596 | | ● 02598 | |
| x 7,62 | 15,509 | | ● 38004 | | ● 29820 | ● 29776 |
| x 11,13 | 21,674 | | ● 02608 | | | |
| x 14,20 | 26,561 | | ● 38007 | | ● 02610 | ● 02611 |
| 90,00 x 5,00 | 10,642 | | ● 02620 | | ● 02622 | |
| 97,00 x 4,00 | 9,315 | | ● 02644 | | | |
| 101,60 x 3,05 | 7,526 | | | | ● 29821 | |
| x 3,60 | 8,834 | | ● 02680 | | ● 02682 | |
| x 4,05 | 9,893 | | ● 02685 | | ● 02687 | |
| x 5,74 | 13,778 | | ● 29796 | ● 02695 | ● 02693 | ● 29778 |
| x 8,08 | 18,921 | | ● 02698 | | | |
| 102,00 x 3,00 | 7,437 | | | | ● 02705 | |
| 102,00 x 6,50 | 15,544 | | ● 02715 | | | |
| 105,00 x 2,50 | 6,417 | | | | ● 02729 | |

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgegläht, EN 10216-5, teilweise ADW2

Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,

ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|---------------|--------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 108,00 x 3,00 | 7,888 | | ● 02745 | | | ● 02750 |
| x 3,60 | 9,411 | | ● 02757 | | | |
| x 4,00 | 10,417 | | ● 02763 | | | ● 02768 |
| x 5,00 | 12,896 | | | | ● 02777 | |
| x 6,30 | 16,043 | | ● 02781 | | ● 02782 | |
| x 8,00 | 20,032 | | | | ● 02783 | |
| 114,30 x 2,60 | 7,272 | | | | ● 02819 | ● 02822 |
| x 3,05 | 8,496 | | ● 02830 | ● 02833 | | |
| x 3,60 | 9,979 | | ● 02841 | | ● 02843 | ● 02846 |
| x 4,00 | 11,048 | | ● 02836 | | ● 02842 | ● 02854 |
| x 4,50 | 12,372 | | ● 02847 | | ● 02849 | ● 02852 |
| x 5,00 | 13,684 | | | | ● 02855 | ● 02848 |
| x 5,40 | 14,725 | | | | | ● 02858 |
| x 6,02 | 16,322 | | ● 02860 | ● 02863 | ● 29823 | ● 29780 |
| x 6,30 | 17,037 | | ● 02859 | | ● 36364 | ● 02862 |
| x 7,10 | 19,058 | | | | ● 36365 | |
| x 8,56 | 22,665 | | ● 02866 | | ● 29824 | ● 29781 |
| x 13,49 | 34,053 | | | | | ● 02874 |
| x 20,00 | 47,225 | | | | | ● 02818 |
| 121,00 x 4,00 | 11,719 | | ● 02877 | | ● 02879 | |
| 127,00 x 4,00 | 12,320 | | ● 02883 | | ● 02885 | ● 02888 |
| 133,00 x 4,00 | 12,921 | | | | ● 02891 | ● 02894 |
| x 6,30 | 19,987 | | ● 02890 | | | |
| 139,70 x 4,00 | 13,592 | | | | ● 02903 | ● 02906 |
| x 6,30 | 21,044 | | ● 02901 | | ● 02905 | ● 02902 |
| x 7,10 | 23,574 | | ● 38005 | | ● 02904 | |
| 141,30 x 6,55 | 22,101 | | | | ● 29833 | |
| x 9,53 | 31,444 | | | ● 02923 | | |
| 159,00 x 4,50 | 17,409 | | | | ● 02927 | ● 02930 |
| x 6,30 | 24,089 | | | | ● 02926 | |
| 168,28 x 7,11 | 28,697 | | ● 02938 | | | |
| x 10,97 | 43,217 | | ● 02944 | ● 02947 | ● 02945 | ● 02946 |
| 168,30 x 3,40 | 14,039 | | | ● 02935 | | |
| x 4,50 | 18,457 | | ● 02949 | | ● 02951 | ● 02954 |
| x 5,00 | 20,440 | | ● 02955 | | ● 02957 | ● 02960 |
| x 7,11 | 28,697 | | | | ● 29804 | ● 29784 |
| 219,08 x 3,76 | 20,273 | | ● 02961 | | | |

Nahtlose Rohre

Rostfrei und säurebeständig, kalt- oder warmgefertigt, gegläht und gebeizt bzw. blankgeglüht, EN 10216-5, teilweise ADW2

Seamless tubes, cold or hot finished, annealed and pickled resp. bright annealed, EN 10216-5, partly ADW2

Tol.: EN/ISO 1127 bzw. EN 10305-1,
ASTMA 312, ANSI B 36.19

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|---------------|--------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 219,08 x 8,18 | 43,202 | | ● 02962 | ● 02966 | ● 02963 | |
| x 12,70 | 65,637 | | ● 02969 | | ● 02970 | |
| 219,10 x 3,76 | 20,274 | | | | ● 02978 | |
| x 6,30 | 33,570 | | ● 02974 | | ● 29805 | ● 29762 |
| x 8,18 | 43,202 | | | | ● 29806 | ● 29764 |
| x 10,00 | 52,359 | | | | ● 02975 | |
| x 12,70 | 65,637 | | | | ● 29826 | ● 29763 |

Nahtlose Hydraulikrohre

geglüht und gebeizt oder blankgeglüht

Seamless hydraulic tubes, annealed and pickled or bright annealed

Tol.: EN/ISO 1127 tol. D4/T3 o.
EN10305-1 EN 10216,5

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 15,00 x 1,50 | 0,507 | | | ● 19159 | | |
| 16,00 x 3,50 | 1,096 | | ● 00257 | | ● 00259 | ● 00262 |
| x 5,00 | 1,377 | | ● 00254 | | | ● 00258 |
| 22,00 x 1,50 | 0,770 | | ● 19117 | | | |
| x 2,00 | 1,002 | | | | ● 36361 | ● 29840 |
| 25,00 x 2,00 | 1,152 | | | | ● 11413 | ● 29841 |
| x 2,50 | 1,409 | | ● 19120 | | | |
| x 3,00 | 1,653 | | ● 19128 | | | |
| 28,00 x 1,50 | 0,995 | | | | ● 00670 | ● 00672 |
| x 2,00 | 1,302 | | | | ● 00676 | ● 00685 |
| x 3,00 | 1,878 | | | | ● 00663 | |
| 30,00 x 1,50 | 1,070 | | | | | ● 00715 |
| x 3,00 | 2,028 | | | | | ● 00733 |
| x 4,00 | 2,604 | | | | | ● 29844 |
| x 5,00 | 3,130 | | | | | ● 00745 |
| 38,00 x 3,00 | 2,629 | | ● 19125 | | | ● 00973 |
| x 4,00 | 3,405 | | | | | ● 29845 |
| x 5,00 | 4,132 | | | | | ● 00991 |
| 42,00 x 3,00 | 2,930 | | ● 19127 | | | ● 01664 |



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Geschweißte Rohre - Blankgeglüht oder gegläht und gebeizt,
DIN 17457 PK1/PK2, EN 10217-7 TC1/TC2

Tol.: EN/ISO 1127 D3/T3 bzw./resp. D4/T3
L.: ca. 6.000 mm
Cert.: EN 10217-7

Welded tubes - Bright annealed or annealed and pickled,
DIN 17457 PK1/PK2, EN 10217-7 TC1/TC2

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 6,00 x 1,00 | 0,125 | | ● 03004 | | ● 30160 |
| 8,00 x 1,00 | 0,175 | | ● 03012 | | ● 30161 |
| 10,00 x 0,50 | 0,119 | | ● 03020 | | |
| x 1,00 | 0,225 | | ● 03024 | | ● 30162 |
| x 1,50 | 0,319 | | ● 03028 | | ● 03030 |
| 12,00 x 1,00 | 0,275 | | ● 03044 | | ● 30163 |
| x 1,50 | 0,394 | | ● 03048 | | ● 30164 |
| x 2,00 | 0,501 | | | | ● 03051 |
| 13,00 x 1,50 | 0,432 | | ● 11017 | | |
| 14,00 x 1,00 | 0,326 | | ● 29912 | | ● 30165 |
| x 1,50 | 0,470 | | ● 03072 | | ● 03078 |
| 15,00 x 1,00 | 0,351 | | ● 29915 | | ● 30166 |
| x 1,50 | 0,507 | | ● 29916 | | ● 30167 |
| 16,00 x 1,00 | 0,376 | | ● 29917 | | ● 30168 |
| x 1,50 | 0,545 | | ● 29918 | | ● 30169 |
| x 2,00 | 0,701 | | ● 29919 | | ● 30170 |
| 17,20 x 2,00 | 0,761 | | ● 29920 | | ● 30171 |
| x 2,30 | 0,858 | | ● 03128 | | ● 03130 |
| 18,00 x 0,50 | 0,219 | | ● 03135 | | |
| x 1,00 | 0,426 | | ● 29922 | | ● 03134 |
| x 1,50 | 0,620 | | ● 29923 | | ● 30235 |
| x 2,00 | 0,800 | | ● 03140 | | ● 03142 |
| 20,00 x 1,00 | 0,476 | | ● 29924 | | ● 03158 |
| x 1,50 | 0,695 | | ● 29925 | | ● 03166 |
| x 2,00 | 0,901 | | ● 29926 | | ● 30172 |
| 21,30 x 1,60 | 0,789 | | ● 03180 | | ● 30199 |
| x 2,00 | 0,976 | | ● 03172 | ● 30174 | ● 30200 |
| x 2,60 | 1,217 | | ● 29927 | ● 36388 | ● 03178 |
| 22,00 x 1,00 | 0,526 | | ● 03188 | | |
| x 2,00 | 1,002 | | ● 03200 | | |
| 23,00 x 1,50 | 0,808 | | ● 03208 | | |
| 25,00 x 1,00 | 0,601 | | ● 03216 | | ● 30203 |
| x 1,50 | 0,883 | | ● 03224 | | |
| x 2,00 | 1,152 | | ● 03228 | | ● 30236 |
| x 2,50 | 1,409 | | ● 03232 | | |
| 26,90 x 1,60 | 1,020 | | | ● 11069 | ● 03242 |
| x 2,00 | 1,247 | | ● 03244 | ● 30177 | ● 30205 |

Geschweißte Rohre - Blankgeglüht oder gegläht und gebeizt,
DIN 17457 PK1/PK2, EN 10217-7 TC1/TC2

Tol.: EN/ISO 1127 D3/T3 bzw./resp. D4/T3
L.: ca. 6.000 mm
Cert.: EN 10217-7

Welded tubes - Bright annealed or annealed and pickled,
DIN 17457 PK1/PK2, EN 10217-7 TC1/TC2

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 26,90 x 2,60 | 1,610 | | ● 03248 | ● 30178 | ● 30206 |
| x 3,00 | 1,795 | | ● 03251 | | |
| 28,00 x 1,00 | 0,676 | | ● 03252 | | |
| x 1,50 | 0,995 | | ● 03260 | | ● 03262 |
| x 2,00 | 1,302 | | ● 03267 | | |
| 30,00 x 1,00 | 0,726 | | ● 03268 | | ● 03270 |
| x 1,50 | 1,071 | | ● 03272 | | |
| x 2,50 | 1,722 | | ● 03280 | | ● 03282 |
| 32,00 x 1,50 | 1,146 | | ● 03292 | | ● 03294 |
| x 2,00 | 1,502 | | ● 03296 | | |
| 33,70 x 2,00 | 1,558 | | ● 03308 | ● 30179 | ● 30237 |
| x 2,60 | 2,030 | | ● 03312 | ● 30180 | ● 30238 |
| x 3,20 | 2,444 | | ● 03320 | ● 30181 | ● 03322 |
| 35,00 x 1,50 | 1,258 | | ● 03336 | | ● 30210 |
| x 2,00 | 1,653 | | ● 03340 | | ● 03342 |
| x 2,50 | 2,035 | | ● 03344 | | |
| 38,00 x 1,50 | 1,375 | | | ● 03363 | |
| x 2,00 | 1,820 | | ● 03364 | | ● 03366 |
| x 2,50 | 2,222 | | ● 03368 | | |
| x 2,60 | 2,305 | | ● 03371 | | |
| x 3,00 | 2,629 | | ● 03581 | | |
| 40,00 x 2,00 | 1,903 | | ● 03388 | | ● 03390 |
| x 4,00 | 3,606 | | ● 03387 | | ● 03391 |
| 42,40 x 1,60 | 1,635 | | ● 03400 | | |
| x 2,00 | 2,023 | | ● 03404 | ● 30182 | ● 30239 |
| x 2,60 | 2,591 | | ● 03412 | ● 30260 | ● 30212 |
| x 3,20 | 3,141 | | ● 03416 | ● 36389 | ● 03418 |
| x 4,00 | 3,846 | | ● 03415 | | ● 03419 |
| 48,30 x 1,60 | 1,871 | | ● 15250 | ● 03440 | ● 03443 |
| x 2,00 | 2,319 | | ● 03452 | ● 30183 | ● 30240 |
| x 2,60 | 2,975 | | ● 03456 | ● 30262 | ● 30241 |
| x 3,20 | 3,614 | | ● 03464 | ● 36390 | ● 03466 |
| x 3,60 | 4,029 | | ● 03448 | | |
| 50,00 x 2,00 | 2,404 | | ● 03472 | | |
| 51,00 x 2,00 | 2,454 | | ● 03491 | | ● 03493 |
| x 2,60 | 3,151 | | ● 03494 | ● 03490 | ● 03486 |
| 52,00 x 1,50 | 1,897 | | ● 03499 | | |

Geschweißte Rohre - Blankgeglüht oder gegläht und gebeizt,
DIN 17457 PK1/PK2, EN 10217-7 TC1/TC2

Tol.: EN/ISO 1127 D3/T3 bzw./resp. D4/T3
L.: ca. 6.000 mm
Cert.: EN 10217-7

Welded tubes - Bright annealed or annealed and pickled,
DIN 17457 PK1/PK2, EN 10217-7 TC1/TC2

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4541 | 1.4571 |
|---------------|--------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 60,30 x 2,00 | 2,920 | | ● 03530 | ● 30186 | ● 30242 |
| x 2,60 | 3,757 | | | ● 30187 | ● 30219 |
| x 3,60 | 5,110 | | | ● 36391 | ● 03548 |
| x 5,00 | 6,924 | | | | ● 03545 |
| 63,50 x 2,60 | 3,965 | | ● 03562 | | |
| 70,00 x 1,50 | 2,573 | | ● 03566 | | |
| 76,10 x 2,30 | 4,250 | | | ● 36392 | ● 30243 |
| x 2,60 | 4,785 | | | | ● 03596 |
| x 3,20 | 5,841 | | ● 03602 | | |
| x 3,60 | 6,540 | | | ● 36393 | ● 03608 |
| 84,00 x 2,00 | 4,107 | | ● 03617 | | |
| 88,90 x 2,00 | 4,352 | | | | ● 03627 |
| x 2,30 | 4,990 | | | ● 36394 | ● 30228 |
| x 2,60 | 5,619 | | ● 03633 | ● 30265 | ● 30244 |
| x 4,00 | 8,504 | | | ● 30196 | ● 30233 |
| 101,60 x 2,00 | 4,988 | | ● 03653 | | |
| x 4,00 | 9,776 | | ● 03664 | | ● 03660 |
| 108,00 x 4,00 | 10,417 | | ● 03802 | | |
| 114,30 x 2,60 | 7,272 | | | ● 30267 | ● 30232 |
| x 3,00 | 8,361 | | ● 03670 | | |
| x 3,60 | 9,979 | | ● 03671 | | |
| x 4,00 | 11,050 | | | ● 36395 | ● 36386 |

Geschweißte Rohre
 Ungeglüht, gebürstet oder gebeizt, EN 10217-7

Tol.: EN/ISO 1127 D2/T3 bzw./resp. D3/T3
 L.: ca. 6.000 mm
 Cert.: EN 10204/3.1

Welded tubes
 Not annealed, brushed or pickled, EN 10217-7

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 8,00 x 1,00 | 0,175 | | ● 33463 | ● 03011 | | ● 30317 |
| 10,00 x 1,00 | 0,225 | | | | | ● 30318 |
| x 1,50 | 0,319 | | ● 03032 | | | |
| 12,00 x 1,00 | 0,275 | | ● 03043 | ● 03047 | | ● 30320 |
| x 1,50 | 0,394 | | ● 34414 | | | ● 03059 |
| 18,00 x 1,00 | 0,426 | | | | | ● 30323 |
| x 1,50 | 0,620 | | ● 32139 | ● 34420 | | ● 03087 |
| x 2,00 | 0,801 | | ● 03127 | | | |
| 17,20 x 1,60 | 0,625 | | ● 03123 | | | |
| x 2,00 | 0,761 | | ● 32138 | | | |
| x 2,30 | 0,858 | | ● 11079 | | | ● 37628 |
| 20,00 x 1,00 | 0,476 | | ● 03159 | | | ● 30324 |
| x 1,50 | 0,695 | | ● 03167 | ● 03163 | | ● 34665 |
| x 2,00 | 0,901 | | ● 34119 | | | ● 30325 |
| x 2,50 | 1,096 | | | | | ● 03235 |
| 21,30 x 1,60 | 0,789 | | ● 30378 | | | ● 30327 |
| x 2,00 | 0,967 | | ● 11080 | ● 32148 | ● 30288 | ● 30328 |
| x 2,60 | 1,217 | | ● 11081 | | ● 30287 | ● 30326 |
| 22,00 x 1,00 | 0,526 | | ● 34416 | | | ● 03191 |
| x 1,50 | 0,770 | | ● 30379 | | | ● 03199 |
| x 2,00 | 1,002 | | ● 30380 | | | |
| 25,00 x 1,00 | 0,601 | | ● 30381 | | | ● 34523 |
| x 1,50 | 0,883 | | ● 30382 | | | ● 03227 |
| x 2,00 | 1,152 | | ● 30383 | | | ● 30330 |
| x 2,50 | 1,409 | | ● 32460 | | | |
| 26,90 x 1,60 | 1,014 | | ● 30384 | ● 03243 | | ● 30332 |
| x 2,00 | 1,247 | | ● 11082 | ● 32149 | ● 30291 | ● 30333 |
| x 2,60 | 1,582 | | ● 11100 | | ● 30290 | ● 30331 |
| x 3,20 | 1,899 | | ● 03247 | | | ● 03239 |
| 28,00 x 1,50 | 0,995 | | ● 11116 | | | ● 30334 |
| x 2,00 | 1,302 | | ● 30385 | | | |
| 30,00 x 1,50 | 1,070 | | ● 30386 | | | ● 03271 |
| x 2,00 | 1,402 | | ● 11117 | | | ● 03278 |
| x 2,50 | 1,722 | | ● 30387 | | | |
| x 3,00 | 2,028 | | | | | ● 03319 |
| 32,00 x 1,50 | 1,146 | | | | | ● 03291 |
| x 2,00 | 1,502 | | ● 30388 | | | |

Geschweißte Rohre
Ungeglüht, gebürstet oder gebeizt, EN 10217-7

Tol.: EN/ISO 1127 D₂/T₃ bzw./resp. D₃/T₃
L.: ca. 6.000 mm
Cert.: EN 10204/3.1

Welded tubes
Not annealed, brushed or pickled, EN 10217-7

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 32,00 x 2,50 | 1,847 | | ● 03288 | | | |
| x 3,00 | 2,179 | | ● 03299 | | | |
| 33,70 x 1,60 | 1,286 | | ● 30389 | | | |
| x 2,00 | 1,558 | | ● 11083 | ● 32150 | ● 30295 | ● 30337 |
| x 2,60 | 2,025 | | ● 30390 | ● 36438 | ● 30294 | ● 30336 |
| x 3,20 | 2,444 | | ● 11101 | | ● 30292 | ● 30335 |
| 38,00 x 1,50 | 1,371 | | ● 11118 | | | |
| x 2,00 | 1,803 | | ● 30391 | | | ● 30338 |
| x 3,00 | 2,629 | | ● 03367 | | ● 03359 | ● 03375 |
| 40,00 x 1,00 | 0,977 | | ● 32455 | | | |
| x 1,50 | 1,446 | | ● 03423 | | | |
| x 2,00 | 1,903 | | ● 30392 | | | ● 30339 |
| x 3,00 | 2,779 | | | | | ● 03383 |
| x 4,00 | 3,606 | | | | | ● 03380 |
| 41,00 x 1,50 | 1,484 | | | ● 03399 | | |
| 42,40 x 1,60 | 1,635 | | ● 30393 | | | |
| x 2,00 | 2,023 | | ● 11001 | ● 32151 | ● 30296 | ● 30341 |
| x 2,60 | 2,591 | | ● 30394 | ● 36439 | ● 30297 | ● 30342 |
| x 3,20 | 3,141 | | ● 11102 | | ● 30298 | ● 30340 |
| x 3,60 | 3,498 | | ● 38009 | | | |
| 44,50 x 1,50 | 1,615 | | ● 30395 | | | |
| x 2,00 | 2,128 | | ● 30396 | | | ● 03427 |
| x 2,60 | 2,728 | | ● 03411 | | | ● 03431 |
| x 3,00 | 3,118 | | ● 03435 | | | |
| 48,30 x 1,60 | 1,871 | | ● 30397 | | | ● 03442 |
| x 2,00 | 2,319 | | ● 11084 | ● 32152 | ● 30299 | ● 30344 |
| x 2,60 | 2,975 | | ● 30398 | ● 36440 | ● 30300 | ● 30343 |
| x 3,20 | 3,614 | | ● 11103 | | | ● 30345 |
| x 3,60 | 4,029 | | ● 38010 | | | ● 38015 |
| x 4,00 | 4,437 | | ● 32458 | | | ● 03451 |
| 50,00 x 1,00 | 1,227 | | ● 30399 | | | |
| x 1,50 | 1,822 | | ● 30400 | | | |
| x 2,00 | 2,404 | | ● 30401 | | | ● 03475 |
| x 4,00 | 4,607 | | ● 38011 | | | |
| x 5,00 | 5,634 | | ● 07524 | | | |
| 51,00 x 2,60 | 3,151 | | ● 03482 | | | ● 03479 |
| 52,00 x 1,50 | 1,897 | | ● 38012 | ● 03502 | | ● 03665 |

Geschweißte Rohre
 Ungeglüht, gebürstet oder gebeizt, EN 10217-7

Tol.: EN/ISO 1127 D2/T3 bzw./resp. D3/T3
 L.: ca. 6.000 mm
 Cert.: EN 10204/3.1

Welded tubes
 Not annealed, brushed or pickled, EN 10217-7

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4404 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 52,00 x 2,00 | 2,504 | | ● 30402 | | | |
| 53,00 x 1,50 | 1,934 | | | ● 03509 | | |
| 54,00 x 2,00 | 2,604 | | ● 11119 | | | ● 30346 |
| 57,00 x 1,50 | 2,085 | | ● 03517 | | | |
| x 2,00 | 2,754 | | ● 03673 | | | |
| x 3,00 | 4,056 | | ● 03677 | | | ● 03680 |
| 60,30 x 1,60 | 2,352 | | ● 30403 | | | ● 03684 |
| x 2,00 | 3,920 | | ● 11085 | ● 03687 | ● 30303 | ● 30349 |
| x 2,60 | 3,757 | | ● 30404 | ● 36441 | ● 30301 | ● 30350 |
| x 3,00 | 4,304 | | ● 03693 | | ● 30304 | ● 30347 |
| x 3,20 | 4,575 | | ● 03701 | | | |
| x 3,60 | 5,111 | | ● 11086 | ● 03691 | ● 30302 | ● 30348 |
| x 5,00 | 6,924 | | ● 38013 | | | |
| 63,50 x 1,60 | 2,480 | | ● 03561 | | | |
| x 2,00 | 3,080 | | ● 30405 | | | |
| x 3,00 | 4,545 | | ● 03558 | | | |
| 70,00 x 2,00 | 3,405 | | ● 30407 | | | ● 30352 |
| x 3,00 | 5,033 | | ● 03601 | | | |
| x 4,00 | 6,611 | | ● 03569 | | | |
| 76,00 x 3,20 | 5,841 | | | | | ● 03736 |
| 76,10 x 1,60 | 2,985 | | ● 30409 | | | |
| x 2,00 | 3,711 | | ● 03717 | ● 03719 | ● 30306 | ● 30353 |
| x 2,60 | 4,785 | | ● 30410 | ● 36442 | ● 30307 | ● 30354 |
| x 3,00 | 5,491 | | ● 03725 | ● 03727 | | ● 30355 |
| x 3,20 | 5,841 | | ● 03733 | | | |
| x 3,60 | 6,535 | | ● 30411 | | | ● 03730 |
| x 4,00 | 7,222 | | ● 03609 | | | |
| 80,00 x 2,00 | 3,906 | | ● 31273 | | | ● 03740 |
| x 3,00 | 5,784 | | ● 03753 | | | |
| x 5,00 | 9,390 | | ● 03738 | | | |
| 84,00 x 2,00 | 4,107 | | ● 16007 | | | ● 30356 |
| 85,00 x 2,00 | 4,157 | | ● 03749 | ● 03751 | | ● 03752 |
| 88,90 x 2,00 | 4,352 | | ● 16009 | ● 16213 | ● 30312 | ● 30359 |
| x 2,60 | 5,618 | | ● 03765 | ● 03767 | ● 30311 | ● 30360 |
| x 3,00 | 6,453 | | ● 03769 | ● 03771 | ● 30310 | ● 30357 |
| x 3,20 | 6,867 | | ● 03777 | | ● 03778 | ● 30358 |
| x 4,00 | 8,504 | | ● 03781 | ● 03783 | | ● 37656 |

● Lager / Stock

www.damstahl.com

Alle angegebenen Maße/Zeichnungen sind ca-Angaben und können eventuell abweichen
 All dimensions/drawings are approximate and may deviate from specifications

Geschweißte Rohre
Ungeglüht, gebürstet oder gebeizt, EN 10217-7

Tol.: EN/ISO 1127 D₂/T₃ bzw./resp. D₃/T₃
L.: ca. 6.000 mm
Cert.: EN 10204/3.1

Welded tubes

Not annealed, brushed or pickled, EN 10217-7

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4404 | 1.4541 | 1.4571 |
|---------------|--------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 88,90 x 5,00 | 10,504 | | ● 03648 | | | |
| 101,60 x 2,00 | 4,988 | | ● 30414 | | | |
| x 2,50 | 6,024 | | ● 03657 | | | |
| x 3,00 | 7,407 | | ● 30413 | | | |
| x 4,00 | 9,776 | | ● 03786 | | | |
| x 5,00 | 12,094 | | ● 03805 | | | |
| 103,00 x 1,50 | 3,812 | | ● 16061 | | | |
| 104,00 x 2,00 | 5,108 | | ● 16011 | ● 16012 | | ● 30362 |
| 108,00 x 2,00 | 5,308 | | ● 03801 | | | |
| x 3,00 | 7,888 | | ● 03809 | | | ● 03812 |
| x 4,00 | 10,417 | | | | | ● 30363 |
| 114,30 x 2,00 | 5,624 | | ● 16015 | ● 16215 | ● 30315 | ● 30365 |
| x 2,60 | 7,272 | | ● 30415 | ● 36443 | ● 30316 | ● 30367 |
| x 3,00 | 8,361 | | ● 16064 | ● 16242 | | ● 30364 |
| x 3,60 | 9,979 | | | | | ● 30366 |
| x 5,00 | 13,684 | | ● 16081 | | | |
| 129,00 x 2,00 | 6,360 | | ● 16017 | | ● 03794 | ● 30368 |
| x 3,00 | 9,465 | | ● 16013 | | | |
| 133,00 x 4,00 | 12,921 | | ● 03873 | | | |
| 139,70 x 2,00 | 6,896 | | ● 16019 | | ● 03878 | ● 03880 |
| x 2,60 | 8,926 | | | ● 03883 | ● 30372 | ● 03884 |
| x 3,00 | 10,269 | | ● 03889 | ● 03887 | ● 03890 | ● 03892 |
| x 4,00 | 13,592 | | ● 03897 | ● 03899 | ● 03898 | ● 03900 |
| x 5,00 | 16,864 | | ● 38014 | | | ● 03888 |
| 154,00 x 2,00 | 7,612 | | ● 16021 | | ● 03906 | ● 03908 |
| x 3,00 | 11,343 | | ● 16232 | | | |
| 156,00 x 3,00 | 11,493 | | ● 16006 | | | ● 03916 |
| 159,00 x 2,00 | 7,863 | | ● 03921 | | ● 03922 | ● 03924 |
| x 3,00 | 11,719 | | ● 03929 | | | |
| 168,30 x 2,00 | 8,328 | | ● 16026 | ● 16219 | ● 03942 | ● 03944 |
| x 2,60 | 10,788 | | ● 03945 | ● 03947 | ● 03946 | ● 03948 |
| x 3,00 | 12,417 | | ● 16060 | ● 03951 | ● 03954 | ● 03956 |
| x 3,60 | 14,847 | | ● 03949 | | | |
| x 4,00 | 16,456 | | ● 03961 | ● 03963 | ● 03962 | ● 03964 |
| x 5,00 | 20,450 | | ● 03965 | | ● 03966 | ● 03968 |
| 204,00 x 2,00 | 10,116 | | ● 30416 | | | ● 03976 |
| 206,00 x 3,00 | 15,249 | | ● 16244 | | | ● 03984 |

Geschweißte Rohre
 Ungeglüht, gebürstet oder gebeizt, EN 10217-7

Tol.: EN/ISO 1127 D2/T3 bzw./resp. D3/T3
 L.: ca. 6.000 mm
 Cert.: EN 10204/3.1

Welded tubes
 Not annealed, brushed or pickled, EN 10217-7

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4404 | 1.4541 | 1.4571 |
|---------------|--------|----|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 219,10 x 2,00 | 10,872 | | ● 16220 | | ● 03994 | ● 03996 |
| x 2,60 | 14,095 | | ● 03997 | | ● 30373 | ● 30369 |
| x 3,00 | 16,233 | | ● 30417 | ● 04007 | ● 04006 | ● 04008 |
| x 4,00 | 21,544 | | ● 04013 | ● 04015 | ● 04014 | ● 04016 |
| x 5,00 | 26,810 | | | | | ● 04020 |
| x 6,30 | 33,570 | | | | | ● 04024 |
| 254,00 x 2,00 | 12,620 | | ● 30418 | | | ● 04032 |
| 256,00 x 3,00 | 19,005 | | | | ● 16247 | ● 04040 |
| 273,00 x 2,60 | 17,604 | | | | ● 04146 | ● 04148 |
| x 3,00 | 20,282 | | ● 30419 | | ● 04154 | ● 04156 |
| x 4,00 | 26,943 | | ● 04161 | | ● 36397 | ● 04164 |
| x 5,00 | 33,560 | | | | ● 04166 | ● 04168 |
| 304,00 x 2,00 | 15,124 | | ● 16086 | | | |
| 306,00 x 3,00 | 22,761 | | ● 16248 | | | ● 04188 |
| 323,90 x 3,00 | 24,106 | | ● 30420 | | ● 04198 | ● 04200 |
| x 4,00 | 32,041 | | ● 04209 | | ● 04210 | ● 04212 |
| x 5,00 | 39,930 | | | | ● 33916 | ● 33917 |
| 355,60 x 3,00 | 26,487 | | ● 30421 | | | ● 04232 |
| x 4,00 | 35,216 | | ● 04213 | | | ● 04228 |
| x 5,00 | 43,895 | | | | | ● 04224 |
| 406,40 x 3,00 | 30,303 | | ● 32549 | ● 16256 | ● 36399 | ● 30371 |
| x 4,00 | 40,304 | | | | | ● 30370 |
| x 5,00 | 50,260 | | | | ● 33918 | |
| x 6,00 | 60,156 | | | | | ● 04240 |
| 457,00 x 3,00 | 34,105 | | | | | ● 32765 |
| 506,00 x 3,00 | 37,936 | | ● 16103 | | | |
| 508,00 x 4,00 | 50,481 | | | | | ● 30376 |
| x 6,30 | 79,144 | | | | | ● 04256 |
| 609,60 x 4,00 | 60,657 | | | | | ● 30377 |
| 812,80 x 4,00 | 81,009 | | | | | ● 04284 |

Geschweißte Dekorationsrohre
Ungeglüht, aussen geschliffen Korn 240

L.: ca. 6.000 mm

Welded decoration tubes
Not annealed, outside polished gritt 240

| Dim. in mm | Kg/m | EN | 1.4301 |
|--------------|-------|----|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 12,00 x 1,50 | 0,394 | | ● 29900 |
| 16,00 x 1,50 | 0,545 | | ● 29911 |
| 20,00 x 1,50 | 0,695 | | ● 29902 |
| x 2,00 | 0,901 | | ● 29910 |
| 21,30 x 2,00 | 0,967 | | ● 29896 |
| 25,00 x 2,00 | 1,152 | | ● 29895 |
| 26,90 x 2,00 | 1,247 | | ● 29897 |
| 30,00 x 2,00 | 1,402 | | ● 29903 |
| 33,70 x 2,00 | 1,588 | | ● 29892 |
| 40,00 x 2,00 | 1,903 | | ● 29899 |
| 42,40 x 2,00 | 2,023 | | ● 29901 |
| x 2,50 | 2,498 | | ● 29906 |
| 48,30 x 2,00 | 2,319 | | ● 29893 |
| 60,30 x 2,00 | 2,920 | | ● 29905 |
| 76,10 x 2,00 | 3,711 | | ● 29894 |
| 88,90 x 2,00 | 4,352 | | ● 31676 |

Geschweißte Rohre - Auf Abmessung gezogen, ungeglüht
EN 10217-7

Tol.: EN ISO 1127
L.: ca. 6 m
Cert.: Vormaterial/raw material WAZ 3.1

Welded tubes - Drawn to dimension, not annealed
EN 10217-7

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 5,00 x 1,00 | 0,100 | | ● 38018 | | ● 38056 |
| 7,00 x 1,00 | 0,151 | | | | ● 38057 |
| x 1,50 | 0,207 | | ● 38020 | | ● 38058 |
| 8,00 x 0,50 | 0,094 | | ● 38021 | | |
| 9,00 x 1,00 | 0,200 | | | | ● 38059 |
| x 1,50 | 0,282 | | ● 38022 | | ● 38060 |
| 11,00 x 1,00 | 0,250 | | ● 38023 | | ● 38061 |
| x 1,50 | 0,357 | | | | ● 38062 |
| x 2,00 | 0,451 | | ● 38024 | | ● 38063 |
| 13,00 x 1,50 | 0,432 | | | | ● 38064 |
| x 2,00 | 0,551 | | | | ● 38065 |
| 13,50 x 2,00 | 0,576 | | ● 38025 | | ● 38066 |
| 16,00 x 2,50 | 0,845 | | | | ● 38067 |
| 17,00 x 1,00 | 0,401 | | ● 38026 | | |
| x 2,00 | 0,751 | | | ● 38048 | |
| 18,00 x 2,00 | 0,801 | | | ● 38049 | |
| x 2,50 | 0,970 | | ● 38027 | | |
| 20,00 x 2,00 | 0,901 | | | ● 38050 | |
| x 3,00 | 1,277 | | | | ● 38068 |
| 22,00 x 2,50 | 1,221 | | ● 38028 | | ● 38069 |
| x 3,00 | 1,427 | | | | ● 38070 |
| 23,00 x 1,50 | 0,808 | | | | ● 38071 |
| 24,00 x 2,00 | 1,102 | | ● 38029 | | ● 38072 |
| x 3,00 | 1,578 | | ● 38030 | | ● 38073 |
| 28,00 x 2,50 | 1,596 | | ● 38031 | | ● 38074 |
| x 3,00 | 1,878 | | ● 38032 | | ● 38075 |
| 34,00 x 1,50 | 1,221 | | | | ● 38076 |
| x 2,00 | 1,603 | | ● 38033 | | ● 38077 |
| x 3,00 | 2,329 | | ● 38034 | | |
| 35,00 x 4,00 | 3,105 | | | | ● 38078 |
| 36,00 x 2,00 | 1,703 | | ● 38035 | | ● 38079 |
| x 3,00 | 2,479 | | ● 38036 | | ● 38080 |
| x 4,00 | 3,205 | | ● 38037 | | ● 38081 |
| 38,00 x 4,00 | 3,405 | | | | ● 38082 |
| 55,00 x 2,00 | 2,654 | | ● 38038 | | ● 38083 |
| x 2,50 | 3,287 | | ● 38039 | | ● 38084 |
| x 5,00 | 6,260 | | ● 38041 | | |

Geschweißte Rohre - Auf Abmessung gezogen, ungeglüht
EN 10217-7

Tol.: EN ISO 1127
L.: ca. 6 m
Cert.: Vormaterial/raw material WAZ 3.1

Welded tubes - Drawn to dimension, not annealed
EN 10217-7

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4541 | 1.4571 |
|--------------|-------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 57,00 x 2,00 | 2,754 | | | ● 38051 | |
| x 4,00 | 5,309 | | | ● 38053 | ● 38085 |
| 58,00 x 5,00 | 6,636 | | ● 38040 | | |
| 63,50 x 2,00 | 3,080 | | | | ● 38086 |
| 64,00 x 2,00 | 3,105 | | ● 38042 | | ● 38087 |
| 65,00 x 2,00 | 3,155 | | ● 38043 | | |
| x 3,00 | 4,657 | | ● 38044 | | ● 38088 |
| 69,00 x 2,00 | 3,356 | | ● 38045 | | |
| 75,00 x 2,50 | 4,539 | | ● 38016 | | |
| 82,50 x 3,20 | 6,354 | | | ● 38054 | |
| 85,00 x 2,50 | 5,165 | | | | ● 38090 |
| x 3,20 | 6,555 | | | ● 38055 | |
| 93,00 x 2,00 | 4,557 | | ● 38046 | | |
| 95,00 x 2,00 | 4,657 | | | | ● 38091 |
| x 4,00 | 9,115 | | ● 38047 | | |

Geschweißte Profilrohre
 Quadratrohre - gebürstet, geschliffen Korn 240

L.: ca. 6.000 mm

Welded box sections
 Square - brushed, polished gritt 240

| Dim. in mm | Kg/m | EN | 1.4301 gebürstet | 1.4301 geschliffen | 1.4571/ gebür- 1.4404 stet |
|------------------|--------|----|------------------|--------------------|-------------------------------|
| | | | Article-No. | Article-No. | Article-No. |
| 10 x 10 x 1,00 | 0,300 | | ● 07001 | | |
| 15 x 15 x 1,00 | 0,450 | | ● 07004 | | |
| x 1,50 | 0,660 | | ● 07010 | ● 07009 | |
| 20 x 20 x 1,00 | 0,600 | | ● 07022 | | |
| x 1,50 | 0,901 | | ● 07028 | ● 07027 | |
| x 2,00 | 1,150 | | ● 07031 | ● 07030 | ● 07032 |
| 25 x 25 x 1,50 | 1,140 | | ● 07046 | ● 07045 | |
| x 2,00 | 1,490 | | ● 07049 | ● 07048 | ● 07050 |
| 30 x 30 x 1,20 | 1,100 | | | ● 07054 | |
| x 1,50 | 1,370 | | ● 07058 | ● 07057 | |
| x 2,00 | 1,840 | | ● 07061 | ● 07060 | ● 07062 |
| x 3,00 | 2,720 | | ● 07067 | | ● 07068 |
| 35 x 35 x 2,00 | 2,150 | | ● 07085 | ● 07084 | ● 07086 |
| 40 x 40 x 1,20 | 1,490 | | | ● 07093 | |
| x 1,50 | 1,850 | | ● 07097 | ● 07096 | |
| x 2,00 | 2,454 | | ● 07100 | ● 07099 | ● 07101 |
| x 3,00 | 3,750 | | ● 07106 | ● 07105 | ● 07107 |
| x 4,00 | 4,808 | | ● 07530 | | |
| 50 x 50 x 1,50 | 2,320 | | ● 07124 | | |
| x 2,00 | 3,080 | | ● 07127 | ● 07126 | ● 07128 |
| x 3,00 | 4,650 | | ● 07133 | ● 07132 | ● 07134 |
| x 4,00 | 5,960 | | ● 11072 | | ● 11065 |
| x 5,00 | 7,410 | | ● 32443 | | |
| 60 x 60 x 2,00 | 3,710 | | ● 07139 | ● 07138 | ● 07140 |
| x 3,00 | 5,490 | | ● 07145 | ● 07144 | ● 07146 |
| x 4,00 | 7,220 | | ● 07148 | | ● 07149 |
| x 5,00 | 8,900 | | ● 07151 | | |
| 70 x 70 x 3,00 | 6,530 | | ● 26811 | | |
| 80 x 80 x 2,00 | 4,980 | | ● 07157 | ● 07156 | ● 07158 |
| x 3,00 | 7,530 | | ● 07163 | ● 07162 | ● 07164 |
| x 4,00 | 9,810 | | ● 07166 | | ● 07167 |
| x 5,00 | 12,390 | | ● 07169 | | ● 07170 |
| 100 x 100 x 2,00 | 6,400 | | ● 07172 | ● 07171 | ● 07173 |
| x 3,00 | 9,530 | | ● 07178 | ● 07177 | ● 07179 |
| x 4,00 | 12,400 | | ● 07181 | | ● 07182 |
| x 5,00 | 15,380 | | ● 07184 | | |
| 120 x 120 x 4,00 | 15,030 | | ● 07196 | | ● 07197 |

Geschweißte Profilrohre
Quadratrohre - gebürstet, geschliffen Korn 240

L.: ca. 6.000 mm

Welded box sections
Square - brushed, polished gritt 240

| Dim. in mm | Kg/m | EN | 1.4301 gebürstet | 1.4301 geschliffen | 1.4571/ gebürstet 1.4404 |
|------------------|--------|----|------------------|--------------------|-----------------------------|
| | | | Article-No. | Article-No. | Article-No. |
| 150 x 150 x 3,00 | 14,129 | | ● 07202 | | |
| x 4,00 | 18,755 | | ● 07205 | | |
| x 5,00 | 23,318 | | ● 07208 | | |

Geschweißte Profilrohre
Rechteckrohre - gebürstet, geschliffen Korn 240

L.: ca. 6.000 mm

Welded box sections
Rectangular - brushed, polished gritt 240

| Dim. in mm | Kg/m | EN | 1.4301 gebürstet | 1.4301 geschliffen | 1.4571/ gebürstet 1.4404 |
|----------------|-------|----|------------------|--------------------|-----------------------------|
| | | | Article-No. | Article-No. | Article-No. |
| 20 x 10 x 1,20 | 0,530 | | ● 07235 | | |
| x 1,50 | 0,660 | | ● 07238 | | |
| 20 x 15 x 1,50 | 0,800 | | ● 07244 | | |
| 25 x 15 x 1,50 | 0,880 | | ● 07250 | | |
| 30 x 10 x 1,50 | 0,880 | | ● 07256 | | |
| 30 x 15 x 1,50 | 0,990 | | ● 07265 | | |
| 30 x 20 x 1,50 | 1,140 | | ● 07274 | ● 07273 | |
| x 2,00 | 1,490 | | ● 07277 | | |
| 40 x 20 x 1,50 | 1,370 | | ● 07295 | ● 07294 | |
| x 2,00 | 1,840 | | ● 07298 | ● 07297 | ● 07299 |
| 40 x 30 x 2,00 | 2,150 | | ● 07304 | | |
| 50 x 20 x 1,50 | 1,620 | | ● 07310 | | |
| x 2,00 | 2,150 | | ● 07526 | | ● 34099 |
| 50 x 25 x 1,50 | 1,750 | | ● 07316 | | |
| x 2,00 | 2,310 | | ● 07319 | | ● 07320 |
| 50 x 30 x 2,00 | 2,450 | | ● 07328 | ● 07327 | ● 11066 |
| x 3,00 | 3,750 | | ● 07331 | | |

● Lager / Stock

www.damstahl.com

Nicht aufgeführte Abmessungen und Werkstoffe auf Anfrage
Not listed dimensions and qualities on request

Geschweißte Profilrohre
Rechteckrohre - gebürstet, geschliffen Korn 240

L.: ca. 6.000 mm

Welded box sections
Rectangular - brushed, polished gritt 240

| Dim. in mm | Kg/m | EN | 1.4301 gebürstet | 1.4301 geschliffen | 1.4571/ gebür- 1.4404 stet |
|------------------|--------|----|------------------|--------------------|-------------------------------|
| | | | Article-No. | Article-No. | Article-No. |
| 60 x 20 x 2,00 | 2,450 | | ● 07343 | | |
| 60 x 30 x 2,00 | 2,800 | | ● 07352 | ● 07351 | |
| 60 x 40 x 2,00 | 3,080 | | ● 07361 | ● 07360 | ● 07362 |
| x 3,00 | 4,650 | | ● 07367 | | |
| x 4,00 | 5,960 | | ● 07370 | | |
| 70 x 40 x 2,00 | 3,481 | | ● 36631 | | |
| x 3,00 | 5,146 | | ● 36630 | | |
| 80 x 40 x 2,00 | 3,710 | | ● 07376 | ● 07375 | |
| x 3,00 | 5,490 | | ● 07382 | | ● 07383 |
| x 4,00 | 7,255 | | ● 07385 | | ● 07386 |
| 80 x 60 x 2,00 | 4,380 | | ● 07391 | | |
| x 3,00 | 6,530 | | ● 07394 | | |
| x 4,00 | 8,720 | | ● 07532 | | |
| 100 x 40 x 2,00 | 4,380 | | ● 07397 | | |
| x 3,00 | 6,530 | | ● 07403 | | |
| 100 x 50 x 2,00 | 4,680 | | ● 07406 | | |
| x 3,00 | 6,950 | | ● 07409 | ● 07408 | ● 07410 |
| x 4,00 | 9,115 | | ● 07412 | | |
| 100 x 60 x 2,00 | 5,004 | | | ● 07417 | |
| x 3,00 | 7,430 | | ● 07424 | | |
| 100 x 60 x 4,00 | 9,807 | | ● 07427 | | |
| 120 x 60 x 2,00 | 5,620 | | ● 07445 | | |
| x 3,00 | 8,380 | | ● 07448 | | |
| x 4,00 | 11,050 | | ● 07451 | | |
| x 5,00 | 14,030 | | ● 07454 | | |
| 120 x 80 x 3,00 | 9,530 | | ● 07460 | | |
| x 4,00 | 12,400 | | ● 07463 | | |
| 140 x 80 x 5,00 | 17,280 | | ● 07472 | | |
| 150 x 50 x 3,00 | 9,530 | | ● 07478 | | |
| 150 x 100 x 3,00 | 11,664 | | ● 07487 | | |
| x 4,00 | 15,424 | | ● 07490 | | |
| x 5,00 | 18,800 | | ● 07493 | | |
| 160 x 80 x 5,00 | 18,660 | | ● 07505 | | |

Geschweißte Rohre - Blankgeglüht/geglüht und gebeizt,
ASTM A 312

Tol.: ASTM A 999
L.: ca. 6.000 mm

Welded tubes - Bright annealed/annealed and pickled,
ASTM A 312

| Abm./Dim. | Zoll/Inch - Schedule | Kg/m | 304L/1.4307 | 316L/1.4404 |
|---------------|----------------------|--------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 21,34 x 2,11 | 1/2" - SCH10 | 1,016 | ● 16501 | ● 16551 |
| 21,34 x 2,77 | 1/2" - SCH40 | 1,288 | ● 16502 | ● 16552 |
| 26,67 x 2,11 | 3/4" - SCH10 | 1,298 | ● 16504 | ● 16554 |
| 26,67 x 2,87 | 3/4" - SCH40 | 1,710 | ● 16505 | ● 16555 |
| 33,40 x 2,77 | 1" - SCH10 | 2,125 | ● 16507 | ● 16557 |
| 33,40 x 3,38 | 1" - SCH40 | 2,541 | ● 16508 | ● 16558 |
| 42,16 x 2,77 | 1 1/4" - SCH10 | 2,732 | ● 16510 | ● 16560 |
| 42,16 x 3,56 | 1 1/4" - SCH40 | 3,441 | ● 16532 | ● 16561 |
| 48,26 x 2,77 | 1 1/2" - SCH10 | 3,155 | ● 16512 | ● 16563 |
| 48,26 x 3,68 | 1 1/2" - SCH40 | 4,108 | ● 16513 | ● 16564 |
| 60,33 x 2,77 | 2" - SCH10 | 3,992 | ● 16515 | ● 16566 |
| 60,33 x 3,91 | 2" - SCH40 | 5,524 | ● 16516 | ● 16567 |
| 73,05 x 3,05 | 2 1/2" - SCH10 | 5,346 | ● 16517 | ● 16568 |
| 73,05 x 5,16 | 2 1/2" - SCH40 | 8,769 | ● 16533 | ● 16585 |
| 88,90 x 3,05 | 3" - SCH10 | 6,557 | ● 16519 | ● 16570 |
| 88,90 x 5,49 | 3" - SCH40 | 11,466 | ● 16520 | ● 16571 |
| 114,30 x 3,05 | 4" - SCH10 | 8,496 | ● 16522 | ● 16573 |
| 114,30 x 6,02 | 4" - SCH40 | 16,322 | ● 16523 | ● 16574 |
| 141,30 x 3,40 | 5" - SCH10 | 11,740 | ● 16587 | ● 32529 |
| 141,30 x 6,55 | 5" - SCH40 | 22,101 | ● 32530 | ● 16590 |
| 168,28 x 3,40 | 6" - SCH10 | 14,037 | ● 16525 | ● 16576 |
| 168,28 x 7,11 | 6" - SCH40 | 28,694 | ● 16526 | ● 16577 |
| 219,08 x 3,76 | 8" - SCH10 | 20,272 | ● 16528 | ● 16579 |
| 219,08 x 8,18 | 8" - SCH40 | 43,198 | ● 16529 | ● 16580 |



Hohlstahl/Hollow bars

Rostfrei und säurebeständig, gegläht und gebeizt, EN 10216-5

Annealed and pickled, EN 10216-5

Toleranzen: ISO 2938-1974

Tolerances: ISO 2938-1974

**Werksabnahme-
zeugnis:**

Factory acceptance

certificate: EN 10204/3.1

Hohlstahl
Rostfrei und säurebeständig, EN 10216-5 TC1,
geglüht und gebeizt

Tol.: ISO 2938-1974
Cert.: EN 10204/3.1

Hollow bars

Stainless and acid-proof, EN 10216-5 TC1, annealed and pickled

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4571 |
|---------------|--------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 32,00 x 16,00 | 5,100 | | ● 01000 | ● 01002 | ● 01003 |
| x 20,00 | 4,100 | | ● 01005 | ● 01007 | ● 01008 |
| 36,00 x 16,00 | 6,700 | | ● 01010 | ● 01012 | ● 01013 |
| x 20,00 | 5,800 | | ● 01015 | | ● 01018 |
| x 25,00 | 4,500 | | ● 01020 | | ● 01023 |
| 40,00 x 20,00 | 7,700 | | ● 01025 | ● 01027 | ● 01028 |
| x 25,00 | 6,400 | | ● 01030 | | ● 01033 |
| x 28,00 | 5,400 | | ● 01035 | ● 01037 | ● 01038 |
| 45,00 x 20,00 | 10,400 | | ● 01040 | ● 01042 | ● 01043 |
| x 25,00 | 8,800 | | ● 01044 | | |
| x 28,00 | 8,100 | | ● 01045 | | ● 01048 |
| x 32,00 | 6,700 | | ● 01050 | ● 01052 | ● 01053 |
| 50,00 x 25,00 | 12,100 | | ● 01055 | ● 01057 | ● 01058 |
| x 32,00 | 9,700 | | ● 01060 | ● 01062 | ● 01063 |
| x 36,00 | 8,100 | | ● 01065 | | ● 01068 |
| 56,00 x 28,00 | 15,100 | | ● 01070 | ● 01072 | ● 01073 |
| x 36,00 | 12,100 | | ● 01075 | ● 01077 | ● 01078 |
| x 40,00 | 10,300 | | ● 01080 | ● 01082 | ● 01083 |
| 63,00 x 32,00 | 19,000 | | ● 01085 | ● 01087 | ● 01088 |
| x 36,00 | 17,300 | | ● 01090 | ● 01092 | ● 01093 |
| x 40,00 | 15,500 | | ● 01095 | ● 01097 | ● 01098 |
| x 45,00 | 12,000 | | ● 01100 | ● 01102 | ● 01103 |
| x 50,00 | 10,100 | | ● 01105 | ● 01107 | ● 01108 |
| 71,00 x 36,00 | 24,100 | | ● 01110 | ● 01112 | ● 01113 |
| x 40,00 | 22,300 | | ● 01115 | ● 01117 | ● 01118 |
| x 45,00 | 19,800 | | ● 01120 | ● 01122 | ● 01123 |
| x 56,00 | 13,100 | | ● 01125 | ● 01127 | ● 01128 |
| 75,00 x 40,00 | 26,000 | | ● 01130 | ● 01132 | ● 01133 |
| 76,00 x 58,00 | 15,000 | | ● 34620 | | ● 34622 |
| 80,00 x 40,00 | 31,000 | | ● 01135 | ● 01137 | ● 01138 |
| x 45,00 | 28,500 | | ● 01140 | | |
| x 50,00 | 25,600 | | ● 01145 | ● 01147 | ● 01148 |
| x 63,00 | 16,900 | | ● 01150 | ● 01152 | ● 01153 |
| 85,00 x 45,00 | 33,700 | | ● 01155 | ● 01157 | ● 01158 |
| x 55,00 | 26,300 | | | ● 33468 | |
| x 67,00 | 18,600 | | ● 36420 | | |
| 90,00 x 50,00 | 36,400 | | ● 01160 | ● 01162 | ● 01163 |

Hohlstahl
Rostfrei und säurebeständig, EN 10216-5 TC1,
geglüht und gebeizt

Hollow bars

Stainless and acid-proof, EN 10216-5 TC1, annealed and pickled

Tol.: ISO 2938-1974
Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4571 |
|----------------|---------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 90,00 x 56,00 | 32,600 | | ● 01165 | ● 01167 | ● 01168 |
| x 63,00 | 27,700 | | ● 01170 | ● 01172 | ● 01173 |
| x 71,00 | 21,300 | | ● 01175 | ● 01177 | ● 01178 |
| 95,00 x 50,00 | 42,200 | | ● 01180 | ● 01182 | ● 01183 |
| 100,00 x 56,00 | 44,600 | | ● 01185 | ● 01187 | ● 01188 |
| x 63,00 | 39,700 | | ● 01190 | ● 01192 | ● 01193 |
| x 71,00 | 33,300 | | ● 01195 | ● 01197 | ● 01198 |
| x 80,00 | 25,200 | | ● 01200 | ● 01202 | ● 01203 |
| 106,00 x 56,00 | 52,400 | | ● 01205 | | ● 01208 |
| x 63,00 | 47,500 | | ● 01210 | | ● 01213 |
| x 71,00 | 41,000 | | ● 01215 | ● 01217 | ● 01218 |
| x 80,00 | 32,900 | | ● 01220 | ● 01222 | ● 01223 |
| 112,00 x 63,00 | 55,600 | | ● 01225 | ● 01227 | ● 01228 |
| x 71,00 | 49,200 | | ● 01230 | ● 01232 | ● 01233 |
| x 80,00 | 41,100 | | ● 01235 | ● 01237 | ● 01238 |
| x 90,00 | 30,800 | | ● 01240 | ● 01242 | ● 01243 |
| 118,00 x 63,00 | 64,200 | | ● 01245 | ● 01247 | ● 01248 |
| x 71,00 | 57,800 | | ● 01250 | ● 01252 | ● 01253 |
| x 80,00 | 49,700 | | ● 01255 | ● 01257 | ● 01258 |
| x 90,00 | 39,500 | | ● 01260 | ● 01262 | ● 01263 |
| 125,00 x 71,00 | 68,400 | | ● 01265 | ● 01267 | ● 01268 |
| x 80,00 | 60,300 | | ● 01270 | ● 01272 | ● 01273 |
| x 90,00 | 50,100 | | ● 01275 | ● 01277 | ● 01278 |
| x 100,00 | 38,800 | | ● 01280 | ● 01282 | ● 01283 |
| 132,00 x 71,00 | 79,600 | | ● 01285 | ● 01287 | ● 01288 |
| x 80,00 | 71,500 | | ● 01290 | | ● 01293 |
| x 90,00 | 61,300 | | ● 01295 | | ● 01298 |
| x 106,00 | 42,500 | | ● 01300 | ● 01302 | ● 01303 |
| 140,00 x 80,00 | 85,000 | | ● 01305 | | ● 01308 |
| x 90,00 | 74,800 | | ● 01310 | | ● 01313 |
| x 100,00 | 63,500 | | ● 01315 | ● 01317 | ● 01318 |
| x 112,00 | 48,100 | | ● 01320 | ● 01322 | ● 01323 |
| 150,00 x 80,00 | 104,000 | | ● 01325 | ● 01327 | ● 01328 |
| x 95,00 | 88,200 | | ● 01330 | ● 01332 | ● 01333 |
| x 106,00 | 75,000 | | ● 01335 | ● 01337 | ● 01338 |
| x 112,00 | 62,560 | | ● 01339 | | |
| x 125,00 | 48,900 | | ● 01340 | ● 01342 | ● 01474 |

Hohlstahl
Rostfrei und säurebeständig, EN 10216-5 TC1,
geglüht und gebeizt

Tol.: ISO 2938-1974
Cert.: EN 10204/3.1

Hollow bars
Stainless and acid-proof, EN 10216-5 TC1, annealed and pickled

| Dim. in mm | Kg/m | EN | 1.4301 | 1.4404 | 1.4571 |
|-----------------|---------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 160,00 x 112,00 | 86,400 | | ● 01345 | ● 01347 | ● 01348 |
| x 122,00 | 72,600 | | ● 01350 | ● 01352 | ● 01353 |
| x 132,00 | 57,500 | | ● 01355 | ● 01357 | ● 01358 |
| 170,00 x 106,00 | 110,930 | | ● 01472 | | ● 01364 |
| x 118,00 | 99,000 | | ● 01360 | ● 01362 | ● 01363 |
| x 130,00 | 81,100 | | ● 01365 | ● 01367 | ● 01368 |
| x 140,00 | 64,900 | | ● 01370 | ● 01372 | ● 01373 |
| 180,00 x 125,00 | 110,700 | | ● 01375 | ● 01377 | ● 01378 |
| x 140,00 | 86,700 | | ● 01380 | | |
| x 150,00 | 69,100 | | ● 01385 | ● 01387 | ● 01388 |
| 190,00 x 106,00 | 155,650 | | ● 19006 | | |
| x 123,00 | 129,300 | | ● 33689 | | ● 34899 |
| x 132,00 | 122,900 | | ● 01390 | ● 01392 | ● 01393 |
| x 150,00 | 92,100 | | ● 01395 | | ● 01398 |
| x 160,00 | 73,300 | | ● 01400 | ● 01402 | ● 01403 |
| 200,00 x 140,00 | 137,900 | | ● 01405 | ● 01407 | ● 01408 |
| x 150,00 | 109,960 | | ● 01414 | | |
| x 160,00 | 97,400 | | ● 01410 | ● 01412 | ● 01413 |
| 212,00 x 130,00 | 189,700 | | ● 01415 | ● 01417 | ● 01418 |
| x 150,00 | 151,730 | | ● 01473 | ● 01419 | ● 37619 |
| x 170,00 | 108,600 | | ● 01420 | ● 01422 | ● 01423 |
| 224,00 x 140,00 | 206,700 | | ● 01425 | ● 01427 | ● 01428 |
| x 180,00 | 120,200 | | ● 01430 | ● 01432 | ● 01433 |
| 236,00 x 150,00 | 224,400 | | ● 01435 | | ● 01438 |
| x 190,00 | 132,500 | | ● 01440 | ● 01442 | ● 01443 |
| 240,00 x 170,00 | 205,200 | | ● 01445 | | ● 01448 |
| 250,00 x 200,00 | 152,200 | | ● 01450 | ● 01452 | ● 01453 |



Stabstahl/Bars

| | |
|---|---------------|
| Rundstahl warmgewalzt bzw. geschmiedet, gebeizt, geschält bzw. überdreht - MARTENSITE..... | ab Seite 213 |
| Round bars hot-rolled resp. forged, pickled, peeled resp. overtorqued - MARTENSITIC..... | from Page 213 |
| Rundstahl warmgewalzt bzw. geschmiedet, gebeizt, geschält bzw. überdreht - AUSTENITE UND DUPLEX..... | ab Seite 215 |
| Round bars hot-rolled resp. forged, pickled, peeled resp. overtorqued - AUSTENITIC AND DUPLEX..... | from Page 215 |
| Vierkantstahl gewalzt, abgeschreckt und gebeizt..... | ab Seite 217 |
| Square bars rolled, quenched and pickled..... | from Page 217 |
| Flachstahl warmgewalzt, gegläht und gebeizt bzw. von Warmband geschnitten..... | ab Seite 218 |
| Flat bars hot-rolled, annealed and pickled resp. cut from hot strip..... | from Page 218 |

Blankstahl/Bright bars

| | |
|---|---------------|
| Rundstahl geschliffen K240..... | ab Seite 223 |
| Round bars grounded K240..... | from Page 223 |
| Rundstahl gezogen/poliert oder geschliffen - 6m-Längen..... | ab Seite 223 |
| Round bars drawn/polished or grounded - 6m-length..... | from Page 223 |
| Rundstahl gezogen/poliert oder geschliffen - 3-3,2m-Längen..... | ab Seite 224 |
| Round bars drawn/polished or grounded - 3-3,2m-length..... | from Page 224 |
| Vierkantstahl blankgezogen..... | ab Seite 226 |
| Square bars bright drawn..... | from Page 226 |
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Profilstahl/Profiles

| | |
|----------------------------------|---------------|
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| Angles equal and unequal..... | from Page 230 |
| U-Profil..... | ab Seite 231 |
| U-Profiles..... | from Page 231 |

Rundstahl
warmgewalzt bzw. geschmiedet
gebeizt, geschält oder überdreht
Round bars
Hot rolled, forged, pickled, peeled or turned

Tol.: DIN 1013/EN 10060
Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | MARTENSITE / MARTENSITIC | | | | | | |
|---------------|---------|--------------------------|----------|----------|----------|----------|----------|----------|
| | | 1.4021 | 1.4034 | 1.4057 | 1.4104 | 1.4112 | 1.4122 | 1.4542 |
| | | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. |
| 20,00 | 2,470 | | | | | ● 37618 | | |
| 25,00 | 3,853 | ● 34079 | ● 34647 | ● 31850 | | ● 34374 | ● 34077 | |
| 30,00 | 5,550 | ● 31884 | ● 34648 | ● 31851 | ● 38106 | ● 34375 | ● 33885 | ● 37740 |
| 35,00 | 7,593 | ● 31886 | ● 34649 | ● 31852 | | ● 34376 | ● 34533 | |
| 38,00 | 8,905 | | | ● 34083 | | ● 34377 | | |
| 40,00 | 9,865 | ● 31889 | ● 34650 | ● 31853 | ● 38107 | ● 34378 | ● 33886 | ● 38146 |
| 42,00 | 10,881 | | | ● 34084 | | | | |
| 45,00 | 12,500 | ● 31890 | ● 34651 | ● 31854 | | ● 34380 | ● 34078 | |
| 50,00 | 15,410 | ● 31891 | ● 34652 | ● 31855 | ● 38108 | ● 34381 | ● 33887 | ● 38147 |
| 55,00 | 18,700 | ● 31892 | ● 34653 | ● 31856 | | ● 34382 | ● 34534 | |
| 60,00 | 22,200 | ● 31893 | ● 34654 | ● 31857 | ● 38109 | ● 34383 | ● 33888 | ● 38148 |
| 65,00 | 26,050 | ● 31894 | ● 34655 | ● 31858 | | ● 34384 | | |
| 70,00 | 30,210 | ● 31895 | ● 34656 | ● 31859 | ● 38110 | ● 34385 | ● 33889 | ● 37741 |
| 75,00 | 34,700 | ● 31896 | ● 34657 | ● 31860 | | ● 34386 | ● 34535 | |
| 80,00 | 39,740 | ● 31897 | ● 34658 | ● 31861 | ● 38111 | ● 34387 | ● 33890 | ● 38149 |
| 85,00 | 44,560 | ● 31898 | | ● 34085 | | ● 34388 | ● 36797 | |
| 90,00 | 49,940 | ● 31899 | ● 34645 | ● 31862 | ● 38112 | ● 34389 | ● 33891 | ● 38150 |
| 95,00 | 55,640 | ● 31900 | | ● 34086 | | ● 34390 | | |
| 100,00 | 61,650 | ● 31901 | ● 34659 | ● 31863 | ● 38113 | ● 34391 | ● 33892 | ● 38151 |
| 105,00 | 67,970 | ● 31902 | | ● 34087 | | ● 34392 | | |
| 110,00 | 74,600 | ● 31903 | ● 34660 | ● 31865 | ● 38114 | ● 34393 | ● 33893 | ● 37742 |
| 115,00 | 81,540 | ● 31904 | | ● 34088 | | | | |
| 120,00 | 88,780 | ● 31905 | ● 34661 | ● 31867 | ● 38115 | ● 34395 | ● 33894 | |
| 125,00 | 96,330 | ● 31906 | | ● 34089 | | | | |
| 130,00 | 104,200 | ● 31907 | ● 34662 | ● 31869 | ● 38116 | ● 34397 | ● 33895 | ● 37743 |
| 135,00 | 112,360 | ● 34047 | | | | | | |
| 140,00 | 120,800 | ● 31908 | ● 34663 | ● 31870 | ● 38117 | ● 34398 | ● 33896 | ● 37744 |
| 145,00 | 129,630 | | | ● 37553 | | | | |
| 150,00 | 138,700 | ● 31909 | ● 34664 | ● 31871 | ● 38118 | ● 34399 | ● 33897 | |
| 155,00 | 148,100 | ● 31910 | | | | | | |
| 160,00 | 157,800 | ● 31911 | | ● 31872 | ● 38119 | ● 34400 | ● 33898 | |
| 165,00 | 168,000 | ● 34048 | | | | | | |
| 170,00 | 178,200 | ● 31912 | | ● 31873 | ● 38120 | ● 34401 | ● 34051 | |
| 180,00 | 200,000 | ● 31913 | | ● 31874 | ● 38121 | ● 34402 | ● 33899 | |
| 190,00 | 222,570 | ● 34049 | | ● 31875 | ● 38122 | ● 34403 | ● 36798 | |
| 200,00 | 246,600 | ● 31914 | | ● 31876 | ● 38123 | ● 34404 | ● 33900 | |
| 210,00 | 271,400 | ● 31915 | | ● 32106 | | | | |

Rundstahl
 warmgewalzt bzw. geschmiedet
 gebeizt, geschält oder überdreht

Tol.: DIN 1013/EN 10060
 Cert.: EN 10204/3.1

Round bars

Hot rolled, forged, pickled, peeled or turned

| Dim. in mm | Kg/m | MARTENSITE / MARTENSITIC | | | | | | |
|---------------|---------|--------------------------|----------|----------|----------|----------|----------|----------|
| | | 1.4021 | 1.4034 | 1.4057 | 1.4104 | 1.4112 | 1.4122 | 1.4542 |
| | | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. |
| 220,00 | 298,400 | ● 31916 | | ● 32107 | | | | |
| 230,00 | 326,100 | ● 33241 | | ● 32108 | | | | |
| 240,00 | 355,100 | ● 31917 | | ● 32109 | | | | |
| 250,00 | 385,300 | ● 31918 | | ● 32110 | | | | |
| 260,00 | 416,800 | ● 31919 | | ● 33263 | | | | |
| 270,00 | 452,000 | ● 34080 | | ● 34090 | | | | |
| 280,00 | 483,400 | ● 33243 | | ● 33264 | | | | |
| 290,00 | 518,500 | | | ● 34091 | | | | |
| 300,00 | 554,900 | ● 33262 | | ● 32111 | | | | |
| 320,00 | 634,880 | ● 33881 | | ● 34092 | | | | |
| 330,00 | 671,000 | ● 34081 | | | | | | |
| 340,00 | 712,100 | ● 34082 | | | | | | |
| 350,00 | 755,300 | ● 33882 | | ● 34093 | | | | |
| 360,00 | 799,000 | | | ● 34977 | | | | |
| 380,00 | 890,000 | ● 33883 | | | | | | |
| 400,00 | 986,500 | ● 33884 | | | | | | |

Rundstahl
warmgewalzt bzw. geschmiedet
gebeizt, geschält oder überdreht

Tol.: DIN 1013/EN 10060
Cert.: EN 10204/3.1

Round bars
Hot rolled, forged, pickled, peeled or turned

| Dim. in mm | Kg/m | AUSTENITE / AUSTENITIC / DUPLEX | | | | | | | |
|---------------|---------|---------------------------------|----------|----------|----------|----------|----------|----------|----------|
| | | 1.4301 | 1.4305 | 1.4404 | 1.4435 | 1.4539 | 1.4541 | 1.4571 | 1.4462 |
| | | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. |
| 20,00 | 2,470 | ● 29235 | | ● 34517 | | ● 38135 | | ● 29308 | ● 33227 |
| 22,00 | 2,984 | | | ● 34604 | | | | | |
| 24,00 | 3,550 | ● 37520 | | ● 29278 | | | | | |
| 25,00 | 3,853 | ● 29236 | | ● 34518 | | | | ● 29309 | ● 33228 |
| 27,00 | 4,500 | ● 36422 | | | | | | | |
| 28,00 | 4,830 | ● 36423 | | ● 34605 | | | | | |
| 30,00 | 5,550 | ● 29237 | ● 34610 | ● 29259 | ● 550240 | ● 38136 | ● 33519 | ● 29310 | ● 31353 |
| 32,00 | 6,400 | ● 36424 | | | | | | | |
| 34,00 | 7,130 | | | | | | | ● 34362 | |
| 35,00 | 7,593 | ● 11124 | | ● 29260 | ● 551239 | | ● 37729 | ● 29311 | ● 31354 |
| 38,00 | 8,905 | ● 34609 | | ● 34606 | | | | ● 34361 | |
| 40,00 | 9,865 | ● 11125 | ● 29284 | ● 29261 | ● 550241 | ● 38137 | ● 33520 | ● 29312 | ● 31355 |
| 45,00 | 12,500 | ● 29238 | ● 29285 | ● 29262 | ● 550242 | | | ● 29313 | ● 31356 |
| 50,00 | 15,410 | ● 11126 | ● 29286 | ● 29263 | ● 550243 | ● 38138 | ● 33521 | ● 29314 | ● 31357 |
| 55,00 | 18,700 | ● 29239 | ● 29287 | ● 29264 | ● 550244 | | | ● 29315 | ● 31358 |
| 57,15 | 20,127 | | | ● 34607 | | | | | |
| 60,00 | 22,200 | ● 11127 | ● 29288 | ● 29265 | ● 550245 | ● 38139 | ● 33522 | ● 29316 | ● 31359 |
| 65,00 | 26,050 | ● 29240 | ● 29289 | ● 29266 | ● 551240 | | | ● 29317 | ● 31360 |
| 70,00 | 30,210 | ● 11128 | ● 29290 | ● 29267 | ● 550246 | ● 38140 | ● 33523 | ● 29318 | ● 31361 |
| 75,00 | 34,700 | ● 06934 | ● 29291 | ● 29268 | ● 550247 | | ● 37730 | ● 29319 | ● 31362 |
| 80,00 | 39,740 | ● 11130 | ● 29292 | ● 29257 | ● 550248 | ● 37732 | ● 33524 | ● 29320 | ● 31363 |
| 85,00 | 44,560 | ● 11131 | ● 29293 | ● 29258 | | ● 37733 | | ● 29321 | ● 32515 |
| 90,00 | 49,940 | ● 29241 | ● 29294 | ● 29269 | ● 550249 | ● 38141 | ● 33525 | ● 29322 | ● 31364 |
| 95,00 | 55,640 | ● 11132 | ● 29295 | ● 29283 | ● 551241 | | | ● 29323 | ● 32445 |
| 100,00 | 61,650 | ● 11133 | ● 29296 | ● 29270 | ● 550250 | ● 37734 | ● 33526 | ● 29324 | ● 31365 |
| 105,00 | 67,970 | ● 11134 | ● 29297 | ● 29277 | ● 551242 | | | ● 29325 | ● 36711 |
| 110,00 | 74,600 | ● 29242 | ● 29298 | ● 29271 | ● 550238 | ● 37735 | ● 37745 | ● 29326 | ● 31366 |
| 115,00 | 81,540 | ● 29243 | ● 29347 | ● 29282 | ● 551064 | | | ● 29327 | ● 34410 |
| 120,00 | 88,780 | ● 17069 | ● 29299 | ● 29272 | ● 551065 | ● 38142 | ● 33527 | ● 29328 | ● 31367 |
| 125,00 | 96,330 | ● 11135 | ● 29346 | ● 29255 | ● 550234 | | | ● 29329 | ● 37507 |
| 130,00 | 104,200 | ● 17070 | ● 29300 | ● 29273 | | | ● 33822 | ● 29330 | ● 31368 |
| 135,00 | 112,360 | ● 29244 | ● 29344 | ● 34608 | | | | ● 34842 | ● 34586 |
| 140,00 | 120,800 | ● 11136 | ● 29301 | ● 29279 | ● 550251 | ● 37736 | ● 33528 | ● 29331 | ● 31369 |
| 145,00 | 129,630 | ● 29245 | ● 29345 | ● 29256 | | | | ● 29231 | ● 37508 |
| 150,00 | 138,700 | ● 17071 | ● 29302 | ● 29280 | ● 550252 | ● 37737 | ● 33529 | ● 29332 | ● 31370 |
| 155,00 | 148,100 | ● 34364 | | ● 32346 | | | | ● 32347 | |
| 160,00 | 157,800 | ● 29246 | ● 29303 | ● 29281 | ● 550253 | ● 37738 | ● 33530 | ● 99100 | ● 31371 |

Rundstahl
 warmgewalzt bzw. geschmiedet
 gebeizt, geschält oder überdreht

Tol.: DIN 1013/EN 10060
 Cert.: EN 10204/3.1

Round bars
 Hot rolled, forged, pickled, peeled or turned

| Dim. in mm | Kg/m | AUSTENITE / AUSTENITIC / DUPLEX | | | | | | | |
|---------------|----------|---------------------------------|----------|----------|----------|----------|----------|----------|----------|
| | | 1.4301 | 1.4305 | 1.4404 | 1.4435 | 1.4539 | 1.4541 | 1.4571 | 1.4462 |
| | | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. |
| 165,00 | 168,000 | ● 34365 | ● 37655 | ● 32348 | | | | ● 32349 | |
| 170,00 | 178,200 | ● 29247 | ● 29304 | ● 29275 | ● 551243 | ● 38143 | ● 33550 | ● 29333 | ● 31779 |
| 175,00 | 189,000 | ● 37706 | ● 06080 | ● 34543 | | | | | |
| 180,00 | 200,000 | ● 17074 | ● 29305 | ● 29274 | ● 551066 | ● 37739 | ● 33531 | ● 29334 | ● 31372 |
| 185,00 | 211,000 | ● 34366 | | | | | | | |
| 190,00 | 222,570 | ● 18000 | ● 29349 | ● 31255 | ● 551067 | ● 38144 | | ● 29335 | ● 34411 |
| 200,00 | 246,600 | ● 18001 | ● 29306 | ● 29276 | ● 551244 | ● 38145 | ● 33532 | ● 29336 | ● 31373 |
| 210,00 | 271,400 | ● 29248 | ● 29348 | ● 31256 | | | | ● 29337 | ● 34408 |
| 220,00 | 298,400 | ● 29249 | ● 31969 | ● 31257 | ● 551245 | | ● 33533 | ● 29338 | ● 31801 |
| 225,00 | 312,000 | ● 06094 | | ● 06095 | | | | | ● 34585 |
| 230,00 | 326,100 | ● 06096 | ● 31261 | ● 31258 | | | | ● 29339 | ● 34409 |
| 240,00 | 355,100 | ● 29250 | ● 37503 | ● 31259 | ● 551068 | | | ● 29340 | ● 33229 |
| 250,00 | 385,300 | ● 29251 | ● 29307 | ● 31260 | ● 551247 | | ● 33534 | ● 29341 | ● 31374 |
| 260,00 | 416,800 | ● 29252 | ● 32103 | ● 33539 | ● 551248 | | ● 33535 | ● 29342 | ● 33230 |
| 270,00 | 452,000 | ● 06947 | ● 37504 | ● 31248 | ● 551249 | | | ● 29234 | ● 37509 |
| 280,00 | 483,400 | ● 29253 | ● 32104 | ● 31350 | | | ● 33536 | ● 29343 | ● 33231 |
| 285,00 | 501,000 | | | ● 37749 | | | | | |
| 290,00 | 518,500 | ● 34056 | ● 37505 | ● 34769 | | | | ● 34057 | ● 37510 |
| 300,00 | 554,900 | ● 06104 | ● 32105 | ● 06105 | | | ● 33537 | ● 29232 | ● 31375 |
| 310,00 | 592,000 | ● 31846 | ● 38101 | ● 31837 | | | | ● 31842 | ● 34764 |
| 320,00 | 634,880 | ● 31252 | ● 38102 | ● 31838 | | | | ● 31249 | ● 33232 |
| 325,00 | 651,200 | ● 31349 | | ● 31351 | | | | | |
| 330,00 | 671,000 | ● 31847 | ● 34405 | ● 31839 | | | | ● 31843 | |
| 340,00 | 712,100 | ● 31253 | ● 37506 | ● 31840 | | | | ● 31250 | |
| 350,00 | 755,300 | ● 29254 | ● 34406 | ● 31352 | | | ● 33538 | ● 29233 | ● 32364 |
| 360,00 | 799,000 | ● 32433 | | ● 32434 | | | | ● 32435 | |
| 375,00 | 866,570 | | | ● 34587 | | | | | |
| 380,00 | 890,000 | ● 31848 | ● 34407 | ● 32153 | | | | ● 31844 | ● 33233 |
| 400,00 | 986,500 | ● 31254 | | ● 31841 | | | | ● 31251 | ● 32365 |
| 425,00 | 1114,000 | ● 32310 | ● 38103 | ● 32321 | | | | ● 32316 | ● 34030 |
| 450,00 | 1249,000 | ● 32311 | ● 38104 | ● 32322 | | | | ● 32317 | ● 34031 |
| 475,00 | 1391,000 | ● 32312 | | ● 32323 | | | | ● 32318 | ● 34032 |
| 500,00 | 1541,000 | ● 32314 | ● 38105 | ● 32324 | | | | ● 32319 | ● 34033 |
| 525,00 | 1699,000 | ● 32315 | | ● 32325 | | | | ● 32320 | |

Vierkantstahl
Gewalzt, abgeschreckt und gebeizt

Tol.: DIN 1014/ EN 10059
Length: 4 - 6 m
Cert.: EN 10204/3.1

Square bars
Rolled, quenched and pickled

| Dim. in mm | Kg/m | EN 1.4307 | 1.4571 |
|------------|---------|----------------------------|----------------------------|
| | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 20,00 | 3,140 | ● 06713 | ● 30658 |
| 25,00 | 4,910 | ● 06717 | ● 30659 |
| 30,00 | 7,070 | ● 06719 | ● 30660 |
| 35,00 | 9,620 | ● 06723 | |
| 40,00 | 12,600 | ● 06725 | ● 30661 |
| 45,00 | 15,900 | ● 36446 | |
| 50,00 | 19,600 | ● 06727 | ● 30662 |
| 60,00 | 28,280 | ● 06729 | ● 30663 |
| 70,00 | 39,200 | ● 06820 | |
| 80,00 | 50,240 | ● 06965 | |
| 90,00 | 63,590 | ● 36447 | |
| 100,00 | 78,740 | ● 30657 | |
| 120,00 | 113,040 | ● 33757 | |

Flachstahl
Warmgewalzt, gegläht und gebeizt

Tol.: EN 10058
Length: 4 - 6 m
Cert.: EN 10204/3.1

Flat bars
Hot rolled, annealed and pickled

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4404 | 1.4571 |
|--------------|--------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 20,00 x 6,00 | 0,960 | | ● 06453 | | |
| x 8,00 | 1,290 | | ● 06475 | | |
| x 10,00 | 1,610 | | ● 06499 | | ● 36589 |
| x 12,00 | 1,930 | | ● 06535 | | |
| x 15,00 | 2,360 | | ● 06805 | | ● 37657 |
| 25,00 x 8,00 | 1,610 | | ● 06477 | | |
| x 10,00 | 2,020 | | ● 06501 | | ● 29670 |
| x 12,00 | 2,420 | | ● 06537 | | ● 29712 |
| x 15,00 | 3,000 | | ● 06561 | | |
| x 20,00 | 3,930 | | ● 06617 | | |
| 30,00 x 4,00 | 0,970 | | ● 06421 | | |
| x 5,00 | 1,210 | | ● 06435 | | ● 29713 |
| x 6,00 | 1,450 | | ● 06457 | | |
| x 8,00 | 1,930 | | ● 06479 | | |
| x 10,00 | 2,420 | | ● 06503 | | ● 29672 |
| x 12,00 | 2,900 | | ● 06539 | | |
| x 15,00 | 3,560 | | ● 06563 | | ● 29673 |
| x 20,00 | 4,840 | | ● 06619 | | ● 29674 |
| x 25,00 | 5,860 | | ● 06635 | | |
| 35,00 x 8,00 | 2,260 | | ● 06481 | | |
| x 10,00 | 2,820 | | ● 06505 | | |
| x 12,00 | 3,390 | | ● 06541 | | |
| x 15,00 | 4,150 | | ● 06565 | | |
| x 20,00 | 5,600 | | ● 36548 | | |
| 40,00 x 5,00 | 1,610 | | ● 06439 | | |
| x 6,00 | 1,930 | | ● 06461 | | |
| x 8,00 | 2,580 | | ● 06483 | ● 06484 | ● 29675 |
| x 10,00 | 3,220 | | ● 06507 | ● 06508 | ● 29676 |
| x 12,00 | 3,870 | | ● 06543 | ● 06544 | ● 29677 |
| x 15,00 | 4,470 | | ● 06567 | ● 06568 | ● 29678 |
| x 20,00 | 6,450 | | ● 06621 | ● 06622 | ● 29679 |
| x 25,00 | 7,850 | | ● 06637 | | |
| x 30,00 | 9,420 | | ● 29657 | ● 38092 | ● 29680 |
| 45,00 x 5,00 | 1,810 | | ● 06441 | | |
| x 15,00 | 5,300 | | ● 06569 | | |
| x 20,00 | 7,070 | | ● 33805 | | |
| x 30,00 | 11,000 | | ● 37550 | | |
| 50,00 x 5,00 | 2,020 | | ● 06443 | | |

● Lager / Stock

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Alle angegebenen Maße/Zeichnungen sind ca-Angaben und können eventuell abweichen
All dimensions/drawings are approximate and may deviate from specifications

Flachstahl
Warmgewalzt, gegläht und gebeizt

Tot.: EN 10058
Length: 4 - 6 m
Cert.: EN 10204/3.1

Flat bars
Hot rolled, annealed and pickled

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4404 | 1.4571 |
|--------------|--------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 50,00 x 6,00 | 2,420 | | ● 06463 | | |
| x 8,00 | 3,220 | | ● 06487 | ● 06488 | ● 29681 |
| x 10,00 | 4,030 | | ● 06511 | ● 06512 | ● 29682 |
| x 12,00 | 4,840 | | ● 06545 | ● 06546 | ● 29683 |
| x 15,00 | 5,930 | | ● 06571 | ● 06572 | ● 29684 |
| x 20,00 | 8,060 | | ● 06623 | ● 06624 | ● 29685 |
| x 25,00 | 10,100 | | ● 06639 | | ● 29686 |
| x 30,00 | 11,780 | | ● 29658 | ● 06803 | ● 29687 |
| x 40,00 | 16,000 | | ● 06659 | | ● 37511 |
| 60,00 x 5,00 | 2,420 | | ● 06445 | | |
| x 6,00 | 2,900 | | ● 06465 | | |
| x 8,00 | 3,870 | | ● 06489 | ● 06490 | ● 29688 |
| x 10,00 | 4,840 | | ● 06513 | ● 06514 | ● 29689 |
| x 12,00 | 5,800 | | ● 06547 | ● 06548 | ● 29690 |
| x 15,00 | 7,110 | | ● 06573 | ● 06574 | ● 29691 |
| x 20,00 | 9,670 | | ● 06625 | ● 06626 | ● 29692 |
| x 25,00 | 12,100 | | ● 06641 | | |
| x 30,00 | 14,100 | | ● 06647 | ● 06648 | ● 29694 |
| x 40,00 | 18,840 | | ● 06958 | ● 06804 | ● 37512 |
| x 50,00 | 24,000 | | ● 36549 | | |
| 70,00 x 8,00 | 4,510 | | ● 06491 | | |
| x 10,00 | 5,640 | | ● 06517 | | ● 29695 |
| x 12,00 | 6,770 | | ● 06549 | | |
| x 15,00 | 8,240 | | ● 06577 | | ● 29696 |
| x 20,00 | 11,300 | | ● 06627 | | ● 29697 |
| x 25,00 | 14,000 | | ● 36550 | | |
| x 30,00 | 16,800 | | ● 36551 | | ● 37513 |
| x 35,00 | 19,600 | | ● 37515 | | |
| x 40,00 | 22,400 | | ● 36552 | | |
| x 50,00 | 28,000 | | ● 38096 | | |
| 80,00 x 8,00 | 5,160 | | ● 06493 | ● 06494 | |
| x 10,00 | 6,450 | | ● 06519 | ● 06520 | ● 29699 |
| x 12,00 | 7,740 | | ● 06553 | ● 06554 | ● 29700 |
| x 15,00 | 9,400 | | ● 06581 | ● 06582 | ● 29701 |
| x 20,00 | 12,900 | | ● 06631 | ● 06632 | ● 29702 |
| x 25,00 | 16,100 | | ● 06643 | | |
| x 30,00 | 18,800 | | ● 06649 | ● 06650 | ● 29704 |
| x 35,00 | 21,980 | | ● 33813 | | |

● Lager / Stock

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Nicht aufgeführte Abmessungen und Werkstoffe auf Anfrage
Not listed dimensions and qualities on request

Flachstahl
Warmgewalzt, geblüht und gebeizt

Tol.: EN 10058
Length: 4 - 6 m
Cert.: EN 10204/3.1

Flat bars
Hot rolled, annealed and pickled

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4404 | 1.4571 |
|----------------|--------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 80,00 x 40,00 | 25,120 | | ● 15144 | ● 06959 | ● 37514 |
| x 50,00 | 32,000 | | ● 36553 | | |
| x 60,00 | 38,400 | | ● 37516 | | |
| 90,00 x 8,00 | 5,750 | | ● 37615 | | |
| x 10,00 | 7,250 | | ● 06521 | | |
| x 15,00 | 10,800 | | ● 36554 | | |
| x 20,00 | 14,130 | | ● 33760 | | |
| x 30,00 | 21,200 | | ● 36632 | | |
| x 40,00 | 28,800 | | ● 37517 | | |
| 100,00 x 8,00 | 6,450 | | ● 06495 | ● 06496 | ● 29705 |
| x 10,00 | 8,060 | | ● 06523 | ● 06524 | ● 29706 |
| x 12,00 | 9,670 | | ● 06555 | ● 06556 | ● 29707 |
| x 15,00 | 11,800 | | ● 06583 | ● 06584 | ● 29708 |
| x 20,00 | 16,100 | | ● 06633 | ● 06634 | ● 29709 |
| x 25,00 | 20,200 | | ● 06645 | | |
| x 30,00 | 23,600 | | ● 06651 | ● 06652 | ● 32370 |
| x 40,00 | 31,400 | | ● 32368 | ● 37663 | |
| x 50,00 | 40,000 | | ● 37518 | | |
| x 60,00 | 48,000 | | ● 37519 | | |
| x 70,00 | 56,000 | | ● 37658 | | |
| 110,00 x 15,00 | 13,200 | | ● 36555 | | |
| 120,00 x 10,00 | 9,420 | | ● 06525 | ● 06526 | |
| x 12,00 | 11,300 | | ● 06807 | ● 37664 | ● 29710 |
| x 15,00 | 14,400 | | ● 06585 | ● 06586 | ● 29711 |
| x 20,00 | 18,840 | | ● 06966 | ● 37665 | |
| x 25,00 | 23,550 | | ● 29663 | | |
| x 30,00 | 28,260 | | ● 29664 | ● 37666 | |
| x 40,00 | 38,400 | | ● 36556 | ● 37667 | |
| x 50,00 | 48,000 | | ● 38095 | | |
| 130,00 x 20,00 | 20,800 | | ● 38094 | | |
| 140,00 x 15,00 | 16,800 | | ● 36557 | | |
| 150,00 x 10,00 | 11,780 | | ● 06533 | ● 06534 | |
| x 12,00 | 14,130 | | ● 06559 | ● 06560 | |
| x 15,00 | 18,000 | | ● 06587 | ● 06588 | |
| x 20,00 | 23,550 | | ● 29665 | ● 37668 | |
| x 25,00 | 29,440 | | ● 29666 | | |
| x 30,00 | 35,330 | | ● 29667 | ● 37669 | |
| x 40,00 | 48,000 | | | ● 37670 | |

● Lager / Stock

www.damstahl.com

Alle angegebenen Maße/Zeichnungen sind ca-Angaben und können eventuell abweichen
All dimensions/drawings are approximate and may deviate from specifications

Flachstahl
Von Warmband geschnitten

Tol.: ähnlich/similar to DIN 1017 / EN10058
Length: 4 m
Cert.: EN 10204/3.1

Flat Bars
Slitted

| Dim. in mm | Kg/m | EN 1.4307 | 1.4571 |
|--------------|-------|----------------------------|----------------------------|
| | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 10,00 x 3,00 | 0,236 | ● 31155 | |
| 15,00 x 3,00 | 0,360 | ● 29548 | |
| x 4,00 | 0,480 | ● 29549 | |
| x 5,00 | 0,600 | ● 29550 | |
| x 6,00 | 0,750 | ● 29551 | |
| 20,00 x 3,00 | 0,480 | ● 29552 | |
| x 4,00 | 0,650 | ● 29553 | |
| x 5,00 | 0,810 | ● 29554 | ● 29617 |
| x 6,00 | 0,960 | ● 29555 | |
| x 8,00 | 1,290 | ● 29605 | |
| 25,00 x 3,00 | 0,600 | ● 29556 | ● 29618 |
| x 4,00 | 0,810 | ● 29557 | ● 29645 |
| x 5,00 | 1,010 | ● 29558 | ● 29619 |
| x 6,00 | 1,210 | ● 29559 | ● 29620 |
| x 8,00 | 1,610 | ● 29602 | |
| x 10,00 | 2,020 | ● 29615 | |
| 30,00 x 3,00 | 0,730 | ● 29560 | ● 29621 |
| x 4,00 | 0,970 | ● 29561 | ● 29622 |
| x 5,00 | 1,210 | ● 29562 | ● 29623 |
| x 6,00 | 1,450 | ● 29563 | ● 29624 |
| x 8,00 | 1,880 | ● 29599 | ● 29655 |
| x 10,00 | 2,420 | ● 29606 | ● 34071 |
| 35,00 x 5,00 | 1,410 | ● 29564 | |
| x 6,00 | 1,690 | ● 29565 | |
| 40,00 x 3,00 | 0,970 | ● 29566 | ● 29625 |
| x 4,00 | 1,290 | ● 29567 | ● 29626 |
| x 5,00 | 1,610 | ● 29568 | ● 29627 |
| x 6,00 | 1,930 | ● 29569 | ● 29628 |
| x 8,00 | 2,580 | ● 29570 | ● 29653 |
| x 10,00 | 3,220 | ● 29571 | ● 29654 |
| x 12,00 | 3,870 | ● 29609 | |
| 50,00 x 3,00 | 1,180 | ● 29573 | |
| x 4,00 | 1,610 | ● 29574 | ● 29629 |
| x 5,00 | 2,020 | ● 29575 | ● 29630 |
| x 6,00 | 2,420 | ● 29576 | ● 29631 |
| x 8,00 | 3,220 | ● 29577 | ● 29649 |
| x 10,00 | 4,030 | ● 29578 | ● 29643 |

Flachstahl
Von Warmband geschnitten

Tol.: ähnlich/similar to DIN 1017 / EN10058
Length: 4 m
Cert.: EN 10204/3.1

Flat Bars
Slitted

| Dim. in mm | Kg/m | EN 1.4307 | 1.4571 |
|----------------|--------|----------------------------|----------------------------|
| | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 50,00 x 12,00 | 4,840 | ● 29610 | |
| 60,00 x 4,00 | 1,880 | ● 29579 | ● 29652 |
| x 5,00 | 2,420 | ● 29580 | ● 29632 |
| x 6,00 | 2,900 | ● 29581 | ● 29633 |
| x 8,00 | 3,870 | ● 29582 | ● 29646 |
| x 10,00 | 4,840 | ● 29583 | ● 29651 |
| x 12,00 | 5,800 | ● 29611 | |
| 70,00 x 5,00 | 2,750 | ● 29584 | |
| x 8,00 | 4,510 | ● 29585 | |
| x 10,00 | 5,640 | ● 29586 | ● 29647 |
| 80,00 x 5,00 | 3,140 | ● 29587 | ● 29635 |
| x 6,00 | 3,870 | ● 29588 | ● 29636 |
| x 8,00 | 5,160 | ● 29589 | ● 29640 |
| x 10,00 | 6,450 | ● 29590 | ● 29650 |
| x 12,00 | 7,740 | ● 29612 | |
| 90,00 x 10,00 | 7,250 | ● 29598 | |
| 100,00 x 5,00 | 3,930 | ● 29591 | ● 30624 |
| x 6,00 | 4,840 | ● 29592 | ● 29638 |
| x 8,00 | 6,450 | ● 29593 | ● 29644 |
| x 10,00 | 8,060 | ● 29594 | ● 29642 |
| x 12,00 | 9,670 | ● 29613 | |
| 120,00 x 5,00 | 4,710 | ● 29603 | |
| x 6,00 | 5,650 | ● 29595 | |
| x 8,00 | 7,540 | ● 29596 | ● 29639 |
| x 10,00 | 9,420 | ● 29616 | |
| 130,00 x 10,00 | 10,400 | ● 34768 | |
| 150,00 x 6,00 | 7,070 | ● 29604 | |
| x 8,00 | 9,420 | ● 29597 | |
| x 10,00 | 11,780 | ● 29600 | |
| 160,00 x 10,00 | 12,560 | ● 29608 | |
| 200,00 x 6,00 | 12,563 | ● 31697 | |
| x 8,00 | 9,420 | ● 30625 | |
| x 10,00 | 15,700 | ● 29607 | |

Rundstahl
Geschliffen K240

Length: 6 m

Round bars
Grounded K240

| Dim. in mm | Kg/m | EN | 1.4301 |
|------------|-------|----|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 8,00 | 0,395 | | ● 31138 |
| 10,00 | 0,617 | | ● 31139 |
| 12,00 | 0,888 | | ● 31140 |
| 14,00 | 1,208 | | ● 36466 |

Rundstahl
Gezogen/poliert oder geschliffen

Tol.: EN 10278, ISO hg
Length: 6 m
Cert.: EN 10204/3.1

Round bars
Drawn/polished or grounded

| Dim. in mm | Kg/m | EN | 1.4301 |
|------------|--------|----|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 8,00 | 0,395 | | ● 30542 |
| 10,00 | 0,617 | | ● 30543 |
| 12,00 | 0,888 | | ● 30544 |
| 14,00 | 1,208 | | ● 30545 |
| 15,00 | 1,387 | | ● 30546 |
| 16,00 | 1,578 | | ● 34849 |
| 18,00 | 1,998 | | ● 30547 |
| 20,00 | 2,466 | | ● 30548 |
| 30,00 | 5,560 | | ● 37659 |
| 40,00 | 9,860 | | ● 37660 |
| 50,00 | 15,410 | | ● 37661 |
| 60,00 | 22,200 | | ● 37662 |

Rundstahl
Gezogen/poliert oder geschliffen

Tol.: DIN 671, ISO hg/
EN 10278/ ISO 286-2

Round bars
Drawn/polished or grounded

Length: 3-3,2
Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | 1.4021 | 1.4057 | 1.4104 | 1.4301 | 1.4305 | 1.4404 | 1.4462 | 1.4539 | 1.4571 |
|------------|-------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 3,00 | 0,060 | | | | ● 18100 | ● 06254 | | | | |
| 4,00 | 0,100 | | | | ● 18101 | ● 06257 | ● 18151 | | | ● 30577 |
| 5,00 | 0,154 | | | | ● 30555 | ● 06260 | ● 32352 | | | ● 30578 |
| 6,00 | 0,222 | | | ● 31831 | ● 30556 ● 33481* | ● 06266 ● 33500* | ● 30571 | | | ● 30579 |
| 7,00 | 0,302 | | | | ● 30557 | ● 06272 | | | | |
| 8,00 | 0,390 | ● 34501 | ● 34059 | ● 31832 | ● 30558 ● 33482* | ● 06278 ● 33501* | ● 30572 ● 33632* | ● 36457* | | ● 30580 ● 33644* |
| 9,00 | 0,499 | | | | ● 30559 | ● 06280* | | | | |
| 10,00 | 0,617 | ● 31877 | ● 32261 | ● 30550 | ● 30560 ● 33483* | ● 06287 ● 33502* | ● 30573 ● 33633* | ● 36458* | ● 37731 | ● 30581 ● 33645* |
| 11,00 | 0,740 | | | | | ● 06290 | | | | |
| 12,00 | 0,890 | ● 32247 | ● 32262 | ● 31833 | ● 30561 ● 33484* | ● 06293 ● 33503* | ● 30574 ● 33634* | ● 36459* | | ● 30582 ● 33646* |
| 13,00 | 1,042 | ● 34058 | | ● 30551 | ● 30562 | ● 34464* | | | | |
| 14,00 | 1,208 | ● 32248 | ● 32263 | ● 34061 | ● 30563 ● 33485* | ● 06302 ● 33504* | ● 34095 | | | ● 30583 ● 34625* |
| 15,00 | 1,387 | ● 32249 | ● 32264 | ● 31835 | ● 30564 ● 33486* | ● 06305 ● 33505* | ● 30575 ● 33635* | ● 36460* | | ● 30584 ● 33647* |
| 16,00 | 1,578 | ● 31878 | ● 32265 | ● 34062 | ● 30565 ● 33487* | ● 06311 ● 33506* | ● 33826 ● 33872* | ● 37654* | | ● 30585 |
| 17,00 | 1,782 | | | | ● 30566 | ● 06314 | | | | |
| 18,00 | 1,998 | ● 31879 | ● 32266 | ● 30553 | ● 30567 ● 33488* | ● 06317 ● 33507* | ● 34096 ● 34621* | | | ● 30586 ● 33877* |
| 19,00 | 2,226 | | | | ● 30568 | ● 06320 | | | | |
| 20,00 | 2,466 | ● 32250 | ● 32267 | ● 30554 | ● 30569 ● 33489* | ● 06326 ● 33508* | ● 30576 ● 33636* | ● 36461* | | ● 30587 ● 33648* |
| 22,00 | 2,984 | ● 31880 | ● 32268 | ● 31836 | ● 30570 ● 33490* | ● 06332 ● 33509* | ● 34097 | ● 36462* | | ● 30588 ● 34626* |
| 24,00 | 3,551 | ● 34502 | | ● 36614 | ● 30500 ● 34629* | ● 06336 | ● 33828 ● 33777* | | | ● 33830 |
| 25,00 | 3,853 | ● 31882 | ● 32269 | ● 33334 | ● 30501 ● 33491* | ● 22076 ● 33510* | ● 30521 ● 33637* | ● 36463* | | ● 30525 ● 33649* |
| 26,00 | 4,168 | ● 32251 | ● 32270 | ● 34063 | ● 30502 | ● 30627 | ● 36620 | | | ● 30526 ● 34623* |
| 28,00 | 4,834 | ● 31883 | ● 32271 | ● 34064 | ● 30503 ● 33492* | ● 30628 ● 33511* | ● 36621 | | | ● 30527 ● 33878* |

● Lager / Stock

www.damstahl.com

Alle angegebenen Maße/Zeichnungen sind ca-Angaben und können eventuell abweichen
All dimensions/drawings are approximate and may deviate from specifications

Rundstahl
Gezogen/poliert oder geschliffen

Tol.: DIN 671, ISO hg/
EN 10278/ ISO 286-2
Length: 3-3,2
Cert.: EN 10204/3.1

Round bars
Drawn/polished or grounded

| Dim. in mm | Kg/m | 1.4021 | 1.4057 | 1.4104 | 1.4301 | 1.4305 | 1.4404 | 1.4462 | 1.4539 | 1.4571 |
|------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 30,00 | 5,549 | ● 32252 | ● 32272 | ● 33335 | ● 30504 ● 33493* | ● 06344 ● 33512* | ● 30522 ● 33638* | ● 36464* | | ● 30528 ● 33650* |
| 32,00 | 6,313 | ● 32253 | ● 32273 | ● 30496 | ● 30505 ● 36434* | ● 06346 ● 37690* | ● 34098 ● 34809* | | | ● 30529 ● 34765* |
| 34,00 | 7,130 | | | | ● 34763 | ● 30629 | | | | |
| 35,00 | 7,553 | ● 32254 | ● 32274 | ● 33336 | ● 30506 ● 33494* | ● 06348 ● 33513* | ● 30523 ● 33639* | | | ● 30530 ● 33651* |
| 36,00 | 7,990 | ● 32255 | ● 32275 | ● 30497 | ● 30507 | ● 30630 | ● 36622 | | | ● 30531 |
| 38,00 | 8,903 | ● 32256 | ● 32276 | | ● 30508 | ● 11037 ● 34973* | | | | ● 30532 |
| 40,00 | 9,865 | ● 32257 | ● 32277 | ● 30498 | ● 30509 ● 33495* | ● 06350 ● 33514* | ● 32353 ● 33640* | | | ● 30533 ● 33652* |
| 42,00 | 10,880 | ● 32258 | ● 32278 | | ● 30510 | ● 30631 | ● 34367 | | | ● 36437* |
| 45,00 | 12,490 | ● 32259 | ● 32279 | ● 33613 | ● 30511 ● 33496* | ● 06352 ● 33515* | ● 32354 ● 33641* | | | ● 30534 ● 33653* |
| 46,00 | 13,280 | | | | | ● 38093 | | | | |
| 48,00 | 14,200 | | | | ● 36435* | ● 34761 | | | | ● 34766* |
| 50,00 | 15,410 | ● 32260 | ● 32280 | ● 33614 | ● 30512 ● 33497* | ● 06354 ● 33516* | ● 32355 ● 33642* | | | ● 30535 ● 33654* |
| 52,00 | 16,670 | | | | | ● 34762 | | | | |
| 55,00 | 18,657 | | | ● 33615 | ● 30513 | ● 06356 ● 36436* | ● 33905 | | | ● 30536 ● 34624* |
| 60,00 | 22,222 | ● 33220 | ● 33221 | ● 33616 | ● 30514 ● 33498* | ● 06358 ● 33517* | ● 33479 ● 33643* | | | ● 30537 ● 33655* |
| 65,00 | 26,110 | | | ● 34850 | ● 30515 | ● 30632 | ● 33906 | | | ● 30538 |
| 70,00 | 30,211 | | | ● 30499 | ● 30516 | ● 06360 | ● 33907 | | | ● 30539 |
| 75,00 | 34,722 | | | ● 36421 | ● 30517 | ● 30633 | ● 36613 | | | ● 36616 |
| 80,00 | 39,526 | | | ● 33617 | ● 30518 ● 33499* | ● 30634 ● 33518* | ● 33480 | | | ● 30540 |
| 85,00 | 44,560 | | | ● 37561 | | ● 32536 | | | | |
| 90,00 | 50,000 | | | ● 34991 | ● 30519 | ● 30635 | ● 33908 | | | ● 36615 |
| 100,00 | 61,650 | | | ● 34992 | ● 30520 | ● 30636 | ● 33909 | | | ● 30541 |

* europäisches Material/european material

● Lager / Stock

www.damstahl.com

Nicht aufgeführte Abmessungen und Werkstoffe auf Anfrage
Not listed dimensions and qualities on request

Vierkantstahl
Blankgezogen

Square bars
Bright drawn

Tol.: DIN 178/ISO h 11/EN 10278/
ISO 286-2

Length: 3-3,2m

Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4307B | 1.4305B | 1.4571B |
|------------|--------|----|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 6,00 | 0,283 | | ● 30664 | | |
| 8,00 | 0,500 | | ● 06703 | | |
| 10,00 | 0,790 | | ● 06705 | ● 32240 | |
| 12,00 | 1,130 | | ● 06707 | ● 32241 | |
| 14,00 | 1,539 | | ● 30665 | | |
| 15,00 | 1,766 | | ● 30666 | ● 32242 | ● 36451 |
| 16,00 | 2,010 | | ● 30667 | | |
| 20,00 | 3,141 | | ● 30669 | ● 30674 | ● 36452 |
| 25,00 | 4,907 | | ● 30670 | ● 32243 | ● 33863 |
| 30,00 | 7,067 | | ● 30671 | ● 30675 | ● 33864 |
| 35,00 | 9,620 | | ● 36448 | ● 36449 | ● 33865 |
| 40,00 | 12,563 | | ● 30672 | ● 32244 | ● 36453 |
| 45,00 | 15,900 | | ● 33751 | ● 36450 | |
| 50,00 | 19,646 | | ● 30673 | ● 32245 | |
| 60,00 | 28,280 | | ● 33618 | ● 32246 | |

Sechskantstahl
Blankgezogen

Tol.: DIN 176/ISO h 11/EN 10278/
ISO 286-2

Hexagon bars
Bright drawn

Length: 3-3,2m
Cert.: EN 10204/3.1

| Dim. in mm | Kg/m | EN | 1.4104B | 1.4307B | 1.4305B | 1.4404B | 1.4571B |
|------------|--------|----|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 10,00 | 0,680 | | ● 38124 | ● 30637 | ● 06364 | ● 36454 | ● 36455 |
| 13,00 | 1,140 | | | ● 32514 | ● 06367 | | ● 33626 |
| 14,00 | 1,330 | | ● 38125 | ● 33749 | ● 06368 | ● 36468 | ● 66627 |
| 17,00 | 1,965 | | ● 38126 | ● 30638 | ● 06370 | ● 36469 | ● 30647 |
| 19,00 | 2,455 | | ● 38127 | ● 30639 | ● 06371 | ● 36470 | ● 30648 |
| 22,00 | 3,291 | | ● 38128 | ● 30640 | ● 06373 | ● 36559 | ● 30649 |
| 24,00 | 3,917 | | ● 38129 | ● 30641 | ● 06374 | ● 36471 | ● 30650 |
| 27,00 | 4,958 | | ● 38130 | ● 30642 | ● 06375 | ● 36472 | ● 30651 |
| 30,00 | 6,120 | | ● 38131 | ● 30643 | ● 06376 | ● 36473 | ● 30652 |
| 32,00 | 6,964 | | ● 38132 | ● 30644 | ● 06377 | ● 36474 | ● 30653 |
| 34,00 | 8,280 | | | | | | ● 34512 |
| 36,00 | 8,818 | | ● 38133 | ● 30645 | ● 06378 | ● 36475 | ● 30654 |
| 41,00 | 11,442 | | ● 38134 | ● 30646 | ● 06379 | ● 36476 | ● 30655 |
| 46,00 | 14,390 | | | ● 33619 | ● 33624 | | ● 33628 |
| 50,00 | 17,000 | | | ● 33620 | ● 06992 | | ● 33629 |
| 55,00 | 20,570 | | | ● 33621 | ● 33625 | | ● 33630 |
| 60,00 | 24,480 | | | ● 33622 | ● 36456 | | ● 33631 |
| 65,00 | 28,730 | | | | | | ● 36799 |

Flachstahl
Blankgezogen

Tol.: EN 10278
Length: 3 - 4 m
Cert.: EN 10204/3.1

Flat bars, bright,
cold drawn

| Dim. in mm | Kg/m | EN | 1.4301B |
|--------------|-------|----|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 10,00 x 3,00 | 0,236 | | ● 30422 |
| x 4,00 | 0,314 | | ● 30423 |
| x 5,00 | 0,393 | | ● 30424 |
| 12,00 x 4,00 | 0,377 | | ● 30427 |
| x 5,00 | 0,471 | | ● 30428 |
| x 6,00 | 0,565 | | ● 30425 |
| 15,00 x 5,00 | 0,589 | | ● 30429 |
| x 8,00 | 0,943 | | ● 30431 |
| x 10,00 | 1,260 | | ● 30432 |
| 20,00 x 3,00 | 0,471 | | ● 30433 |
| x 4,00 | 0,628 | | ● 30434 |
| x 5,00 | 0,786 | | ● 30435 |
| x 6,00 | 0,943 | | ● 30436 |
| x 8,00 | 1,261 | | ● 30437 |
| x 10,00 | 1,572 | | ● 30438 |
| x 12,00 | 1,883 | | ● 30439 |
| x 15,00 | 2,364 | | ● 30440 |
| 25,00 x 4,00 | 0,786 | | ● 30441 |
| x 5,00 | 0,981 | | ● 30442 |
| x 6,00 | 1,181 | | ● 30443 |
| x 8,00 | 1,572 | | ● 30444 |
| x 10,00 | 1,961 | | ● 30445 |
| x 12,00 | 2,364 | | ● 30446 |
| x 15,00 | 2,941 | | ● 30447 |
| x 20,00 | 3,929 | | ● 30448 |
| 30,00 x 4,00 | 0,941 | | ● 30449 |
| x 5,00 | 1,181 | | ● 30450 |
| x 6,00 | 1,410 | | ● 30451 |
| x 8,00 | 1,880 | | ● 30452 |
| x 10,00 | 2,360 | | ● 30453 |
| x 12,00 | 2,830 | | ● 30454 |
| x 15,00 | 3,530 | | ● 30455 |
| x 20,00 | 4,710 | | ● 30456 |
| 35,00 x 8,00 | 2,200 | | ● 30457 |
| x 20,00 | 5,501 | | ● 30458 |
| 40,00 x 4,00 | 1,260 | | ● 30459 |
| x 5,00 | 1,570 | | ● 30460 |
| x 6,00 | 1,880 | | ● 30461 |

● Lager / Stock

www.damstahl.com

Alle angegebenen Maße/Zeichnungen sind ca-Angaben und können eventuell abweichen
All dimensions/drawings are approximate and may deviate from specifications

Flachstahl
Blankgezogen

Tot.: EN 10278
Length: 3 - 4 m
Cert.: EN 10204/3.1

Flat bars, bright,
cold drawn

| Dim. in mm | Kg/m | EN | 1.4301B |
|----------------|--------|----|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 40,00 x 8,00 | 2,510 | | ● 30462 |
| x 10,00 | 3,140 | | ● 30463 |
| x 12,00 | 3,774 | | ● 30464 |
| x 15,00 | 4,717 | | ● 30465 |
| x 20,00 | 6,289 | | ● 30466 |
| x 25,00 | 7,874 | | ● 30467 |
| x 30,00 | 9,600 | | ● 38097 |
| 50,00 x 5,00 | 1,961 | | ● 30468 |
| x 6,00 | 2,358 | | ● 30469 |
| x 8,00 | 3,140 | | ● 30470 |
| x 10,00 | 3,937 | | ● 30471 |
| x 12,00 | 4,717 | | ● 30472 |
| x 15,00 | 5,882 | | ● 30473 |
| x 20,00 | 7,874 | | ● 30474 |
| x 25,00 | 10,000 | | ● 34358 |
| x 30,00 | 12,000 | | ● 34359 |
| 60,00 x 5,00 | 2,360 | | ● 30476 |
| x 6,00 | 2,830 | | ● 30477 |
| x 8,00 | 3,770 | | ● 30478 |
| x 10,00 | 4,710 | | ● 30479 |
| x 12,00 | 5,650 | | ● 30480 |
| x 15,00 | 7,070 | | ● 30481 |
| x 20,00 | 9,420 | | ● 30482 |
| x 30,00 | 14,130 | | ● 30475 |
| 70,00 x 15,00 | 8,400 | | ● 34412 |
| 80,00 x 5,00 | 3,140 | | ● 30483 |
| x 8,00 | 5,020 | | ● 30484 |
| x 10,00 | 6,280 | | ● 30485 |
| x 12,00 | 7,541 | | ● 30489 |
| x 15,00 | 9,420 | | ● 30486 |
| x 20,00 | 12,560 | | ● 30487 |
| x 30,00 | 18,840 | | ● 30488 |
| 100,00 x 10,00 | 7,850 | | ● 30491 |
| x 12,00 | 9,420 | | ● 30492 |
| x 15,00 | 11,770 | | ● 30493 |
| x 20,00 | 15,720 | | ● 30494 |
| x 25,00 | 20,000 | | ● 38098 |
| x 30,00 | 24,000 | | ● 38099 |

● Lager / Stock

www.damstahl.com

Nicht aufgeführte Abmessungen und Werkstoffe auf Anfrage
Not listed dimensions and qualities on request

Winkelstahl
Gewalzt, gegläht und gebeizt - gleichschenkelig

Tol.: DIN 1028/ EN 10056-2
Length: 6 m
Cert.: EN 10204/3.1

Angle bars
Rolled, annealed, pickled - equal

| Dim. in mm | Kg/m | EN | 1.4307 | 1.4571 |
|-------------------|--------|----|----------------------------|----------------------------|
| | | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 20 x 20 x 3,00 | 0,910 | | ● 06733 | ● 29214 |
| 20 x 20 x 4,00 | 1,140 | | ● 29226 | |
| 25 x 25 x 3,00 | 1,150 | | ● 06736 | ● 29215 |
| 25 x 25 x 4,00 | 1,480 | | ● 06739 | |
| 30 x 30 x 3,00 | 1,390 | | ● 06742 | ● 29216 |
| 30 x 30 x 4,00 | 1,800 | | ● 06745 | ● 29217 |
| 35 x 35 x 4,00 | 2,100 | | ● 11137 | ● 29218 |
| 40 x 40 x 4,00 | 2,450 | | ● 06748 | ● 29219 |
| 40 x 40 x 5,00 | 3,030 | | ● 06751 | ● 29220 |
| 50 x 50 x 5,00 | 3,870 | | ● 06754 | ● 29221 |
| 50 x 50 x 6,00 | 4,550 | | ● 06757 | |
| 60 x 60 x 6,00 | 5,530 | | ● 06760 | ● 29222 |
| 70 x 70 x 7,00 | 7,540 | | ● 06763 | |
| 80 x 80 x 8,00 | 9,800 | | ● 06766 | ● 29224 |
| 100 x 100 x 10,00 | 15,300 | | ● 06772 | ● 29225 |

Ungleichschenkelig

Unequal

| Dim. in mm | Kg/m | EN | 1.4307 | |
|-----------------|-------|----|----------------------------|--|
| | | | Artikel-Nr. Article-No. | |
| 30 x 20 x 3,00 | 1,150 | | ● 29202 | |
| 30 x 20 x 4,00 | 1,500 | | ● 29203 | |
| 40 x 20 x 4,00 | 1,800 | | ● 29204 | |
| 45 x 30 x 5,00 | 2,750 | | ● 29205 | |
| 50 x 30 x 5,00 | 3,020 | | ● 29206 | |
| 60 x 30 x 5,00 | 3,410 | | ● 29207 | |
| 60 x 40 x 5,00 | 3,750 | | ● 29208 | |
| 60 x 40 x 6,00 | 4,450 | | ● 29209 | |
| 80 x 40 x 6,00 | 5,500 | | ● 29210 | |
| 80 x 40 x 8,00 | 7,140 | | ● 29211 | |
| 100 x 50 x 6,00 | 6,900 | | ● 29212 | |
| 100 x 50 x 8,00 | 9,080 | | ● 29213 | |

U-Profil
Lasergeschweißt oder gewalzt, gebeizt

Tot.: EN 10279
Length: 6-6,2
Cert.: EN 10204/3.1

U-profile
Laser-welded or rolled, pickled

| Dim. in mm | Kg/m | EN | 1.4301 |
|------------------------|--------|----|----------------------------|
| | | | Artikel-Nr. Article-No. |
| 30 x 15 x 4,00 x 4,50 | 1,740 | | ● 30618 |
| 40 x 20 x 4,00 x 4,50 | 2,300 | | ● 30619 |
| 50 x 25 x 5,00 x 6,00 | 3,860 | | ● 30620 |
| 50 x 38 x 5,00 x 7,00 | 5,600 | | ● 32366 |
| 60 x 30 x 6,00 x 6,00 | 5,100 | | ● 30621 |
| 65 x 42 x 5,50 x 7,50 | 7,100 | | ● 32367 |
| 80 x 45 x 6,00 x 8,00 | 8,650 | | ● 31732 |
| 100 x 50 x 6,00 x 8,50 | 10,600 | | ● 31733 |
| 120 x 55 x 7,00 x 9,00 | 13,400 | | ● 31734 |



Bleche/Sheets

Kaltgewalzte Bleche

Cold rolled sheets

Toleranzen: EN 10259

Tolerances: EN 10259

Werksabnahme- zeugnis:

Factory acceptance

certificate: EN 10204/3.1

Kaltgewalzte Bleche, rostfrei und säurebeständig,
geglüht und gebeizt, Oberfläche zB

EN ISO 9445
EN 10088-27/EN 10028-7

Cold rolled sheets

Annealed and pickled, surface zB

| Dim. in mm | Kg/Par/pc | EN 1.4301/1.4307 | |
|--------------------|-----------|----------------------------|----------------------------|
| | | 1.4571 | |
| | | Artikel-Nr. Article-No. | Artikel-Nr. Article-No. |
| 0,80 x 1000 x 2000 | 12,800 | ● 05012 | |
| 1,00 x 1000 x 2000 | 16,000 | ● 05022 | ● 05262 |
| x 1250 x 2500 | 25,000 | ● 05026 | |
| x 1500 x 3000 | 36,000 | ● 05030 | |
| 1,50 x 1000 x 2000 | 24,000 | ● 05038 | ● 05263 |
| x 1250 x 2500 | 37,500 | ● 05042 | ● 05257 |
| x 1500 x 3000 | 54,000 | ● 05046 | ● 05264 |
| 2,00 x 1000 x 2000 | 32,000 | ● 05048 | ● 05265 |
| x 1250 x 2500 | 50,000 | ● 05052 | ● 05258 |
| x 1500 x 3000 | 72,000 | ● 05056 | ● 05266 |
| 3,00 x 1000 x 2000 | 48,000 | ● 05064 | ● 05269 |
| x 1250 x 2500 | 75,000 | ● 05068 | ● 05260 |
| x 1500 x 3000 | 108,000 | ● 05072 | ● 05270 |
| 4,00 x 1000 x 2000 | 64,000 | ● 05074 | ● 05271 |
| x 1250 x 2500 | 100,000 | ● 05076 | ● 36426 |
| x 1500 x 3000 | 144,000 | ● 05078 | ● 36427 |
| 5,00 x 1000 x 2000 | 80,000 | ● 05080 | ● 36428 |
| x 1250 x 2500 | 125,000 | ● 05082 | ● 36429 |
| x 1500 x 3000 | 180,000 | ● 05084 | ● 36430 |
| 6,00 x 1000 x 2000 | 96,000 | ● 05086 | ● 36431 |
| x 1250 x 2500 | 150,000 | ● 05088 | ● 36432 |
| x 1500 x 3000 | 216,000 | ● 05090 | ● 36433 |



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1: Was ist nichtrostender Stahl?

Nichtrostender Stahl bildet eine Gruppe von Materialien, die alle als Hauptbestandteil Eisen (daher die Bezeichnung "Stahl") und mindestens 10-12 % Chrom (Cr) enthalten. Die untere Grenze ist aber nicht besonders genau. Gemäß der europäischen Norm EN 10020 liegt die Grenze bei mindestens 10,5 %. Andere, normalerweise ältere Quellen, führen einen Mindestgehalt von 12 % an, wobei meist für Kohlenstoff eine obere Grenze von 1,2 % gilt.

Der Begriff "nichtrostender Stahl" ist somit mit dem Chrom- und teilweise mit dem Kohlenstoffgehalt verknüpft. Es bestehen aber keine Anforderungen an die Legierung bezüglich weiterer Bestandteile wie Nickel, Molybdän, Schwefel oder andere Zuschlagstoffe in mehr oder weniger großen Mengen.

Bereits Ende der 1890er Jahre entwickelte der Deutsche Hans Goldschmitt einen Prozess zur Erzeugung von kohlenstofffreiem Chrom (Cr) und in den Jahren 1904 bis 1911 gelang es mehreren Forschern, insbesondere aber dem Franzosen Leon Guillet, chromhaltige Stahlliegierungen herzustellen, die heute als "nichtrostender Stahl" klassifiziert würden.

Chrom (Cr) ist, wie erwähnt, das Hauptlegierungselement für nichtrostenden Stahl. Nicht zuletzt sorgt Chrom für die Bildung des schützenden Passivfilms. Aber darüber hinaus kann Stahl eine ganze Reihe mehr oder weniger wichtige Legierungselemente enthalten, die alle zu den mechanischen und/oder korrosionstechnischen Eigenschaften des Stahls in die eine oder andere Richtung beitragen.

1: What is Stainless Steel?

Stainless Steel is a large group of materials, all of which share a main element, iron (hence the name 'steel'), and contain a minimum of 10-12 % chromium (Cr). The precise lower limits does, however, vary. According to the European Standard EN 10020, the lower limit is 10.5% , while other, typically older sources insist upon a 12% minimum limit. In addition, a maximum carbon limit of 1.2% is frequently implied.

The term 'stainless steel' is thus linked to the metal's chromium content and, in part, to its carbon content; there are no requirements, on the other hand, concerning an alloy's nickel, molybdenum, sulphur or other similar elements.

Already by the close of 1890s, Hans Goldschmidt of Germany had developed a process for producing carbon-free chromium (Cr), and in the years 1904-1911 several researchers, particularly Frenchman Leon Guillet, managed to develop steel alloys containing chromium, which in our way would be classified as stainless steel.

As discussed earlier, chromium (Cr) is the main alloying element in stainless steel. More than any other element, chromium is responsible for the formation of the protective film, although stainless steel may contain a wide array of more or less useful alloying elements, all of which push the steel's mechanical quality and/or corrosion resistance in one direction or the other.

2: Nichtrostende Standardlegierungen

Martensitischer nichtrostender Stahl

EN 1.4021 / AISI 420

Martensitischer Chromstahl mit 12-14 % Chrom. Der Stahl ist für spanende Bearbeitung geeignet und die Korrosionsbeständigkeit ist besser als 4104, aber schlechter als die andere Martensite die normalerweise über mehr als 13 % Cr verfügen. Die mechanischen Eigenschaften des Stahls sind aber gut. Am ehesten als Stabstahl verfügbar.

EN 1.4034

Weist eine hohe Härteannahme auf, die mit einer guten Korrosionsbeständigkeit in gering aggressiven Medien einhergeht. Hauptanwendung findet diese Sorte bei Schneidwerkzeugen in der Lebensmittelindustrie, chirurgischer Industrie, Wälzlagerindustrie und im Maschinenbau.

EN 1.4057 / AISI 431

Härtbarer 15 % Chromstahl, der im Vergleich zu anderen martensitischen Stählen eine ziemlich gute Korrosionsbeständigkeit aufweist. Wird weitestgehend für die Produktion von Messern und Achsen verwendet. Am ehesten als Stabstahl verfügbar.

EN 1.4104 / AISI 430F

Martensitischer Automatenstahl mit bis zu 0,35 % S und sogar einer kleinen Menge Mo. Durch den hohen Gehalt an S ist diese Sorte sehr nützlich für die Zerspanungstechnik. Manchmal auch als magnetische Automatenstahlsorte genutzt.

EN 1.4112 / AISI 440B

Härtbarer Martensitischer Stahl mit einem Chromgehalt von 17-19 %. Wird häufig für die Produktion von Messern und Schneidwaren verwendet. Er weist wie 4122 eine gute Korrosionsbeständigkeit in normalen Medien auf, während er für Einsätze in aggressiven Medien nicht geeignet ist. 4112 sollte nicht geschweißt werden und eine Bearbeitung mit Temperaturen über 300°C sollte ebenfalls vermieden werden.

EN 1.4122

Martensitischer Chrom Stahl mit 15,5-17,5 % Cr und 0,8-1,3 % Mo. 4122 weist sehr gute mechanische Eigenschaften auf und wegen des hohen Gehalts von Cr und dem Zusatz von Mo, ist die Korrosionsbeständigkeit von 4122 in Medien mit geringer Aggressivität gut. Die Spanbarkeit und Schweißneigung von 4122 ist nicht besonders gut und Vorsicht ist geboten.

Austenitischer nichtrostender Stahl

EN 1.4301 / AISI 304

Die klassische 18/8 Edelstahlsorte und immer noch der am wichtigsten rostfreie Konstruktionswerkstoff für viele verschiedene Verwendungen wie Küchenspülen, Gabeln und Löffeln bis zu Molkerei- und Metzgereiausrüstung. Formbar, schweißbar und weist eine gute Korrosionsbeständigkeit in normalen

2: Nichtrostende Standardlegierungen

Medien auf. Allerdings ist der Widerstand in chloridhaltigen Umgebungen (insbesondere bei erhöhten Temperaturen) häufig unzureichend. Aufgrund der Chloride sollte 4301 nicht für den Außenbereich verwendet werden. Es ist besser für den Innenbereich geeignet. Bei Temperaturen über 60°C (und manchmal sogar darunter) ist SRK ein erhebliches Risiko. Oft können eventuelle Korrosionsprobleme durch den Einsatz der säurebeständigen Sorte 4404 vermieden werden.

EN 1.4305 / AISI 303

Die schwefellegierte Sorte 4301 verfügt durch die Bildung von Mangansulfiden über hervorragende Eigenschaften für das Scheiden, Fräsen usw.. Ist nur als Stabstahl und Draht verfügbar und weder zum Schweißen noch Beizen geeignet. Hat schlechtere Korrosionseigenschaften als der normale 4301 Stahl. Daher sollte 4305 mit Vorsicht verwendet werden.

EN 1.4307 / AISI 304L

Austenitischer Chrom-Nickel-Stahl mit niedrigem Kohlenstoffgehalt. Wegen des niedrigen Kohlenstoffgehaltes ist 4307 besser für das Schweißen von insbesondere dicken Konstruktionen geeignet als 4301. Aufgrund des niedrigeren Gehaltes von Nickel, ist 4307 sowohl günstiger als auch "weniger austenitisch" als 4306 (10-12 %). Der Stahl kann durch Spuren von Ferrit oder Verformungsmartensit ein wenig magnetisch sein, insbesondere nach der Bearbeitung.

EN 1.4401 / AISI 316

Mechanisch ähnlich wie der "kleine Bruder" 4301; jedoch aufgrund des Mo-Gehaltes (2,0-2,5%) ist die Korrosionsbeständigkeit in fast jeder einzelnen Umgebung deutlich besser. Aufgrund der häufig schlechten Leistung von 4301 sollte 4401 als Standardmaterial 4301 ersetzen. Allerdings ist 4401 wegen der hohen und volatilen Preise von Molybdän und insbesondere Nickel oft teuer.

EN 1.4404 / AISI 316L

Austenitischer Chrom-Nickel-Molybdän-Stahl mit niedrigem Kohlenstoffgehalt. Wird häufig in der Pharmaindustrie verwendet. 4404 ist deutlich das am meisten verwendete Konstruktionsmaterial für „kritische“ Anwendungen wo 4301 oder 4306/7 wegen ihrer Korrosionsanfälligkeit nicht einsetzbar sind. 4404 ist deswegen Damstahls am meisten verkaufte, säurebeständige Legierung und in vielen Abmessungen verfügbar – einschließlich einer großen Auswahl an Fittings.

EN 1.4432 / AISI 316L

Entwickelt von der finnischen Zellstoff- und Papierindustrie, erinnert dieser 2,5%Mo-Stahl stark an die Sorte 4435. Allerdings ist der Cr-Gehalt und damit auch der Ni-Anteil geringfügig niedriger. Mit 2,5% Mo verfügt 4432 über bessere Korrosionseigenschaften als die "normale" Stahlegierung 4404, ohne viel teurer zu werden. Der Nachteil ist eine schlechtere Verfügbareit.

EN 1.4435 / AISI 316L

Eine hochlegierte Ausgabe von 4404. Wegen des hohen Gehaltes von Mo verfügt 4435 über eine gute Korrosionsbeständigkeit, jedoch ist der größte Nachteil der hohen Legierung höhere Kosten durch Nickel und Mo. 4435 ist deswegen die teuerste, aber auch korrosionsbeständigste Standard-Legierung. Zumal ist diese Stahlsorte aus wirtschaftlichen Gründen oft schwierig zu bekommen.

2: Nichtrostende Standardlegierungen

EN 1.4541 / AISI 321

Mit Titan stabilisiert. Ti bindet Kohlenstoff, daher ist der Stahl besser als 4301 für das Schweißen geeignet. Dies gilt insbesondere für dickwandige Konstruktionen. In Bezug auf Korrosion und Schweißbarkeit ist er 4307 ähnlich und wird traditionell weit verbreitet, insbesondere in Deutschland, eingesetzt. Theoretisch ist 4541 etwas stärker (mechanisch) als 4301, kann aber gelbe Schweißnähte erzeugen, wenn stickstoffhaltiges Spülgas verwendet wird. Hinzu kommt, dass er schwieriger zu polieren ist.

EN 1.4571 / AISI 316Ti

Die titanstabilisierte Legierung, und damit das säurebeständige Äquivalent zu 4541, ist die am häufigsten verwendete Edelstahlsorte in der deutschen Industrie. Anwendung findet titanstabilisierter Stahl statt niedriggekohltem 4404, am meisten aus Traditionsgründen. Wie bei 4541/4307 kann man in den meisten Fällen problemfrei 4404 mit 4571 (und umgekehrt) tauschen. Die marginalen Unterschiede zwischen 4571 und 4404 sind die gleichen wie zwischen 4541 und 4307.

Duplex Stahl

EN 1.4462 / "2205"

Mit 22 % Cr, 5 % Ni und 3 % Mo ist 4462 der am häufigsten verwendete Duplex Stahl. Eine hohe mechanische Festigkeit mit hervorragender Korrosionsbeständigkeit macht 4462 zu einem sehr nützlichen Konstruktionsstahl. Im Vergleich zu anderen „normalen“, säurebeständigen Stahllegierungen, ist 4462 in fast allen Medien beständig, insbesondere gegenüber SRK. Begrenzte Verfügbarkeit und hohe Herstellungskosten, einschließlich Kaltverformung und Schweißen, sind die wichtigsten Nachteile dieser Legierung.

2: Common Stainless Steel Alloys

Martensitic Stainless Steel

EN 1.4021 / AISI 420

Martensitic stainless steel with 12-14% chromium. This steel is suitable for machining and the corrosion resistance is better than 4104 but worse than the other martensites which usually has more than 13% Cr.

EN 1.4034

Has a high hardness assumption, which is accompanied by good corrosion resistance in low aggressive media. This steel finds its main application in cutting tools in the food industry, surgical industry, bearing industry and mechanical engineering industry.

EN 1.4057 / AISI 431

Hardenable 15-17% Cr steel, possessing, relative to the other martensitic steel types, a fairly good corrosion resistance. Widely used for making knives and, due to its high strength, axels. Most easily available as rods.

EN 1.4104 / (AISI 430F)

Martensitic fine machining steel type containing up to 0,35% S and even a small amount of Mo. Due to its high content of S, this steel type is very useful for machining. Sometimes used if one wants a magnetic fine machine steel grade.

EN 1.4112 / AISI 440B

Hardenable martensitic steel with 17-19% chromium. Is often used for the production of knives and cutlery. It has the same good corrosion resistance in normal media as 4122, whereas it is not suitable for use in aggressive media. 4112 should not be welded and handling with temperatures above 300° C should also be avoided.

EN 1.4122

Martensitic steel with 15,5-17,5% Cr and 0,8-1,3% Mo. 4122 has very good mechanical properties and because of the high content of Cr and the addition of Mo, the corrosion resistance of 4122 is well in media with low aggressiveness.

Austenitic Stainless Steel

EN 1.4301 / AISI 304

The classical, stainless steel (18/8) quality and still the most important steel for manufacturing anything from kitchen sinks, forks and spoons and dairy and butchery equipment. Ductile, weldable and fairly corrosion resistant in most normal media. However, the resistance in chloride containing environments (in particular at elevated temperatures) is frequently inadequate. Due to chlorides, 4301 should not be used for outdoors purposes. It is better suited for indoors use. At temperatures above 60° C (and sometimes even below), SCC is a significant risk (Chapter 4). Upgrading to the even more corrosion resistant 4404

2: Common Stainless Steel Alloys

("acid resistant") will solve most corrosion problems; otherwise, even higher alloyed steel types must be considered.

EN 1.4305 / AISI 303

Sulphur alloyed 4301 possessing excellent properties for cutting, milling and so due to the formation of MnS. Only available as rod or wire, and is not good for neither welding nor pickling.

EN 1.4307 / AISI 304L

The standard low-carbon 4301. Identical to 4306; however, with less nickel (8-10,5 % Ni). 4307 is identical with 4301 with the sole exception that the upper limit of carbon is only 0,03% instead of 0,07 %, which is preferable when welding, in particular when welding thick goods. Due to the lower Ni, 4307 is cheaper and "less austenitic" than 4306 (10-12%), and traces of ferrite or deformation martensite may cause some magnetism, in particular after machining.

EN 1.4401 / AISI 316

Mechanically much like the "kid brother" 4301; however, due to its Mo content (2,0-2,5%), its corrosion resistance is significantly better in almost every single environment. Due to the frequently poor performance of 4301, the 4401 ought to replace 4301 as standard material. However, because of the high and volatile prices of molybdenum and in particular nickel, the 4401 class is often expensive.

EN 1.4404 / AISI 316L

The low-carbon edition of 4401, and the standard material for most of the pharmaceutical industry worldwide. 4404 is the most common stainless steel for "critical" parts where the common 4301 or 4306/7 just are not good enough. 4404 is Damstahl's best sold acid resistant steel type and available in almost any shape and condition including a large array of fittings.

EN 1.4432 / AISI 316L

Developed by the Finnish pulp and paper industry, this 2,5% Mo steel resembles the 4435 a lot. However, the Cr content is marginally lower, and so is Ni. Due to the 2,5% Mo, 4432 is slightly more corrosion resistant than the normal 4404 without adding too much to the price. The downside is lower availability.

EN 1.4435 / AISI 316L

The low-carbon edition of 4436 and thereby a high-alloy 4404. Like 4432 and 4436, the extra 0,5 % Mo gives a higher corrosion resistance; however, the main drawback is the high alloy costs due to Mo and Ni. Consequently, 4435 is the most expensive and the most corrosion resistant standard alloy and, for economical reasons, the steel is frequently hard to get.

EN 1.4541 / AISI 321

Titanium stabilized 4301. Ti binds the carbon, and the steel is therefore less prone than 4301 towards sensitization and intergranular corrosion. This makes 4541 better than 4301 for welding, in particular in the case of thick specimens. With regard to corrosion and weldability, 4541 corresponds closely to 4307 and is traditionally used widely, in particular in Germany. Theoretically, 4541 is slightly stronger (mechanically) than 4301, but may produce yellow welds when nitrogen containing purge gas is used (i.e. former

2: Common Stainless Steel Alloys

gas) and is harder to polish properly. EN 1.4550 (AISI 347) is the niobium alloyed 18/8 possessing almost the same properties as the 4541.

EN 1.4571 / AISI 316Ti

Titanium stabilized 4301 and thus the acid resistant equivalent to 4541 and the most widely used stainless steel type in the German industry. As above, the use of titanium alloyed austenites is mostly based on conservatism, and like 4307 vs. 4541, there are rarely any problems by changing from 4404 to 4571 – and vice versa. The marginal differences in between 4571 and 4404 are the same as between 4541 and 4307.

Duplex Steel

EN 1.4462 / "2205"

At 22% Cr, 5% Ni and 3% Mo, the 4462 is the most widely used duplex stainless steel. A high mechanical strength combined with excellent corrosion resistance makes the 4462 very useful as construction steel. Superior to the "acid resistant" 4401 group with respect to any type of corrosion in almost any environment, in particular SCC. The main drawbacks are the limited availability and the increased manufacturing expenses, including cold deformation and welding.

3: Legierungstabelle

| EN | SORTE | C % | Cr % | Ni % | Mo % | Si % | Mn % | S % | P % | Sonstiges | AISI | SS | |
|--------|---------------------------|-----------|-----------|-----------|-----------|-----------|--------|--------|-----------|-----------------------------------|-----------------------------------|---------|------|
| 1.4003 | Ferrit | ≤ 0,03 | 10,5-12,5 | 0,30-1,00 | - | 1,00 | 1,50 | 0,015 | 0,040 | N ≤ 0,030 | 410S | - | |
| 1.4509 | | ≤ 0,030 | 17,5-18,5 | - | - | 1,00 | 1,00 | 0,015 | 0,040 | Ti 0,10-0,60; Nb 3xC+0,30-1,00 | 441 UNS 43932 | - | |
| 1.4510 | | ≤ 0,05 | 16,0-18,0 | - | - | 1,00 | 1,00 | 1,00 | 0,015 | 0,040 | Ti 4x(C+N)+0,15-0,80 | 430Ti | - |
| 1.4512 | | ≤ 0,03 | 10,5-12,5 | - | - | 1,00 | 1,00 | 1,00 | 0,015 | 0,040 | Ti 6x(C+N)-0,65 | 409 | - |
| 1.4521 | | ≤ 0,025 | 17,0-20,0 | - | - | 1,80-2,50 | 1,00 | 1,00 | 0,015 | 0,040 | N ≤ 0,030; Ti 4(C+N)+0,15-0,80 | 444 | 2326 |
| 1.4021 | Martensit | 0,16-0,25 | 12,0-14,0 | - | - | 1,00 | 1,50 | 0,030 | 0,040 | - | 420 | 2303 | |
| 1.4034 | | 0,43-0,50 | 12,5-14,5 | - | - | 1,00 | 1,00 | 0,030 | 0,040 | - | - | - | |
| 1.4057 | | 0,12-0,22 | 15,0-17,0 | 1,50-2,50 | - | - | 1,00 | 1,50 | 0,015 | 0,040 | - | 431 | 2321 |
| 1.4104 | | 0,10-0,17 | 15,5-17,5 | - | 0,20-0,60 | - | 1,00 | 1,50 | 0,15-0,35 | 0,040 | - | (430F) | 2383 |
| 1.4112 | | 0,85-0,95 | 17,0-19,0 | - | 0,90-1,30 | - | 1,00 | 1,00 | 0,015 | 0,040 | Cu ≤ 0,07-0,12; V 0,07-1,20 | 440 B | - |
| 1.4122 | Austenit | 0,33-0,45 | 15,5-17,5 | max. 1,00 | 0,80-1,30 | 1,00 | 1,50 | 0,015 | 0,040 | - | - | - | |
| 1.4301 | | ≤ 0,07 | 17,5-19,5 | 8,00-10,5 | - | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 304 | 2333 |
| 1.4305 | | ≤ 0,10 | 17,0-19,0 | 8,00-10,0 | - | 1,00 | 2,00 | 2,00 | 0,15-0,35 | 0,045 | Cu ≤ 1,00; N ≤ 0,11 | 303 | 2346 |
| 1.4306 | | ≤ 0,030 | 18,0-20,0 | 10,0-12,0 | - | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 304L | 2352 |
| 1.4307 | | ≤ 0,030 | 17,5-19,5 | 8,00-10,5 | - | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 304L | - |
| 1.4541 | Austenit (säurebeständig) | ≤ 0,08 | 17,0-19,0 | 9,00-12,0 | - | 1,00 | 2,00 | 0,015 | 0,045 | Ti (5xC)-0,70 | 321 | 2337 | |
| 1.4401 | | ≤ 0,07 | 16,5-18,5 | 10,0-13,0 | 2,00-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316 | 2347 |
| 1.4404 | | ≤ 0,030 | 16,5-18,5 | 10,0-13,0 | 2,00-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316L | 2348 |
| 1.4432 | | ≤ 0,030 | 16,5-18,5 | 10,5-13,0 | 2,50-3,00 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316L | 2353 |
| 1.4435 | | ≤ 0,030 | 17,0-19,0 | 12,5-15,0 | 2,50-3,00 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316L | 2353 |
| 1.4436 | Duplex | ≤ 0,07 | 16,5-18,5 | 10,5-13,0 | 2,50-3,00 | 1,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316 | 2343 | |
| 1.4539 | | ≤ 0,020 | 19,0-21,0 | 24,0-26,0 | 4,00-5,00 | 0,70 | 2,00 | 2,00 | 0,015 | 0,030 | N ≤ 0,15; Cu 1,20-2,00 | "904L" | 2562 |
| 1.4571 | | ≤ 0,08 | 16,5-18,5 | 10,5-13,5 | 2,00-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | Ti (5xC)-0,70 | "316Ti" | 2350 |
| 1.4828 | | ≤ 0,20 | 19,0-21,0 | 11,0-13,0 | - | 1,50-2,50 | ≤ 2,00 | ≤ 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 309 | - |
| 1.4841 | | ≤ 0,20 | 24,0-26,0 | 19,0-22,0 | - | 1,50-2,50 | ≤ 2,00 | ≤ 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 314 | - |
| 1.4845 | ≤ 0,10 | 24,0-26,0 | 19,0-22,0 | - | ≤ 1,50 | ≤ 2,00 | ≤ 2,00 | 0,015 | 0,045 | N ≤ 0,11 | - | - | |
| 1.4460 | ≤ 0,05 | 25,0-28,0 | 4,50-6,50 | 1,30-2,00 | 1,00 | 2,00 | 2,00 | 0,015 | 0,035 | N 0,05-0,20 | 329 | 2324 | |
| 1.4462 | ≤ 0,030 | 21,0-23,0 | 4,50-6,50 | 2,50-3,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,035 | N 0,10-0,22 | - | 2377 | |

3: Legierungstabelle

| EN | HB 30 Härte (HBW) | R _{p0.2} (≥ N/mm ²) | R _{p1.0} (≥ N/mm ²) | R _m Zugfestig- keit (≥ N/mm ²) | A ₅ Bruch- dehnung (L ₀ = 5 d ₀) (≥ %) | Z Areal- red. (≥ %) | Av Schlag- zähigkeit (≥ J) | Dichte (kg/dm ³) | Wärme kap. (J/kg·K) | Wärme- leitfähig- keit. (W/K·m) | Wärmeaus- dehnung 20-100° C (10 ⁻⁶ /° C) | Elektrischer Wieder- stand (Ω·mm ² /m) | E-Modul (kN/mm ²) |
|--------|-------------------------|---|---|--|--|------------------------------|-------------------------------------|---------------------------------|---------------------------|--|--|--|----------------------------------|
| 1.4003 | ≤ 200 | 260 | - | 450-600 | 20 | - | - | 7,7 | 0,43 | 25 | 10,4 | 0,60 | 220 |
| 1.4509 | ≤ 200 | 200 | - | 420-620 | 18 | - | - | 7,7 | 0,46 | 25 | 10,0 | 0,60 | 220 |
| 1.4510 | ≤ 185 | 270 | - | 450-600 | 20 | 60 | - | 7,7 | 0,46 | 25 | 10,0 | 0,60 | 220 |
| 1.4512 | ≤ 180 | 220 | - | 390-560 | 20 | - | 70 | 7,7 | 0,46 | 25 | 10,5 | 0,60 | 220 |
| 1.4521 | ≤ 200 | 320 | - | 450-650 | 20 | - | - | 7,7 | 0,43 | 23 | 10,4 | 0,80 | 220 |
| 1.4021 | ≤ 230 | 500 | - | 700-850 | 12 | 50 | 20 | 7,7 | 0,46 | 30 | 10,5 | 0,60 | 215 |
| 1.4034 | ≤ 245 | 650 | - | 850-1000 | 10 | - | 12 | 7,7 | 0,46 | 30 | 10,5 | 0,55 | 215 |
| 1.4057 | ≤ 295 | 600 | - | 800-950 | 14 / 12 | 45 | 25 / 20 | 7,7 | 0,46 | 25 | 10,0 | 0,70 | 215 |
| 1.4104 | ≤ 220 | 300 | - | 500 | 12/10 | 50 | 0 | 7,7 | 0,46 | 25 | 10,0 | 0,70 | 215 |
| 1.4112 | ≤ 265 | 500 | - | 650-850 | 12/10 | 50 | - | 7,7 | 0,43 | 15 | 10,3 | 0,80 | 215 |
| 1.4122 | ≤ 280 | 550 | - | 750-950 | 12 | 40 | 20 / 14 | 7,7 | 0,43 | 29 | 10,4 | 0,65 | 215 |
| 1.4301 | ≤ 215 | 190 | 225 | 500-700 | 45 / 35 | 60 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,73 | 200 |
| 1.4305 | ≤ 230 | 190 | 225 | 500-750 | 35 | 60 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,73 | 200 |
| 1.4306 | ≤ 215 | 180 | 215 | 460-680 | 45 / 35 | 60 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,73 | 200 |
| 1.4307 | ≤ 215 | 175 | 210 | 500-700 | 45 / 35 | 60 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,73 | 200 |
| 1.4541 | ≤ 215 | 190 | 225 | 500-700 | 40 / 30 | 50 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,73 | 200 |
| 1.4401 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 60 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,75 | 200 |
| 1.4404 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 60 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,75 | 200 |
| 1.4432 | ≤ 215 | 220 | 260 | 550-700 | 40 | - | - | 8,0 | 0,50 | 15 | 16,0 | 0,75 | 200 |
| 1.4435 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 60 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,75 | 200 |
| 1.4436 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 60 | 100 / 60 | 7,9 | 0,50 | 15 | 16,0 | 0,75 | 200 |
| 1.4539 | ≤ 230 | 230 | 260 | 530-730 | 40 / 30 | - | 100 / 60 | 8,0 | 0,45 | 12 | 15,8 | 1,00 | 195 |
| 1.4571 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 50 | 100 / 60 | 7,9 | 0,50 | 15 | 16,5 | 0,75 | 200 |
| 1.4828 | ≤ 223 | 230 | 60 | 550-750 | 30 | - | - | 7,9 | 0,50 | 15 | 16,5 | 0,85 | 196 |
| 1.4841 | ≤ 223 | 230 | 60 | 550-750 | 30 | - | - | 7,9 | 0,50 | 15 | 15,5 | 0,90 | 196 |
| 1.4845 | ≤ 192 | 210 | 60 | 500-700 | 35 | - | - | 7,9 | 0,50 | 15 | 15,5 | 0,85 | 200 |
| 1.4460 | ≤ 260 | 450 | - | 620-880 | 20 | - | 85 | 7,8 | 0,50 | 15 | 13,0 | 0,80 | 200 |
| 1.4462 | ≤ 270 | 450 | - | 650-880 | 25 | - | 100 | 7,8 | 0,50 | 15 | 13,0 | 0,80 | 200 |

3: The most frequently used grades and their chemical composition

| EN | STRUCTURE | C % | Cr % | Ni % | Mo % | Si % | Mn % | S % | P % | Other remarks | AISI | SS | |
|--------|--------------------------|-----------|-----------|-----------|-----------|------|------|-------|-----------|-----------------------------------|-----------------------------------|---------|------|
| 1.4003 | Ferrite | ≤ 0,03 | 10,5-12,5 | 0,30-1,00 | - | 1,00 | 1,50 | 0,015 | 0,040 | N ≤ 0,030 | 410S | - | |
| 1.4509 | | ≤ 0,030 | 17,5-18,5 | - | - | 1,00 | 1,00 | 0,015 | 0,040 | Ti 0,10-0,60; Nb 3xC+0,30-1,00 | 441 UNS 43932 | - | |
| 1.4510 | | ≤ 0,05 | 16,0-18,0 | - | - | 1,00 | 1,00 | 1,00 | 0,015 | 0,040 | 430Ti | - | |
| 1.4512 | | ≤ 0,03 | 10,5-12,5 | - | - | 1,00 | 1,00 | 1,00 | 0,015 | 0,040 | Ti 6x(C+N)-0,65 | 409 | - |
| 1.4521 | | ≤ 0,025 | 17,0-20,0 | - | 1,80-2,50 | 1,00 | 1,00 | 1,00 | 0,015 | 0,040 | N ≤ 0,030; Ti 4(C+N)+0,15-0,80 | 444 | 2326 |
| 1.4021 | Martensit | 0,16-0,25 | 12,0-14,0 | - | - | 1,00 | 1,50 | 0,030 | 0,040 | Ti 4(C+N)+0,15-0,80 | 420 | 2303 | |
| 1.4034 | | 0,43-0,50 | 12,5-14,5 | - | - | 1,00 | 1,00 | 0,030 | 0,040 | - | - | - | |
| 1.4057 | | 0,12-0,22 | 15,0-17,0 | 1,50-2,50 | - | 1,00 | 1,00 | 1,50 | 0,015 | 0,040 | 431 (430F) | 2321 | |
| 1.4104 | | 0,10-0,17 | 15,5-17,5 | - | 0,20-0,60 | 1,00 | 1,00 | 1,50 | 0,15-0,35 | 0,040 | - | 2383 | |
| 1.4112 | | 0,85-0,95 | 17,0-19,0 | - | 0,90-1,30 | 1,00 | 1,00 | 1,00 | 0,015 | 0,040 | Cu ≤ 0,07-0,12; V 0,07-1,20 | 440 B | - |
| 1.4122 | Austenit | 0,33-0,45 | 15,5-17,5 | max. 1,00 | 0,80-1,30 | 1,00 | 1,50 | 0,015 | 0,040 | - | - | - | |
| 1.4301 | | ≤ 0,07 | 17,5-19,5 | 8,00-10,5 | - | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 304 | 2333 |
| 1.4305 | | ≤ 0,10 | 17,0-19,0 | 8,00-10,0 | - | 1,00 | 2,00 | 2,00 | 0,15-0,35 | 0,045 | Cu ≤ 1,00; N ≤ 0,11 | 303 | 2346 |
| 1.4306 | | ≤ 0,030 | 18,0-20,0 | 10,0-12,0 | - | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 304L | 2352 |
| 1.4307 | | ≤ 0,030 | 17,5-19,5 | 8,00-10,5 | - | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 304L | - |
| 1.4541 | Austenit (acid-proof) | ≤ 0,08 | 17,0-19,0 | 9,00-12,0 | - | 1,00 | 2,00 | 0,015 | 0,045 | Ti 5xC-0,70 | 321 | 2337 | |
| 1.4401 | | ≤ 0,07 | 16,5-18,5 | 10,0-13,0 | 2,00-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316 | 2347 |
| 1.4404 | | ≤ 0,030 | 16,5-18,5 | 10,0-13,0 | 2,00-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316L | 2348 |
| 1.4432 | | ≤ 0,030 | 16,5-18,5 | 10,5-13,0 | 2,50-3,00 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316L | 2353 |
| 1.4435 | | ≤ 0,030 | 17,0-19,0 | 12,5-15,0 | 2,50-3,00 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316L | 2353 |
| 1.4436 | Duplex | ≤ 0,07 | 16,5-18,5 | 10,5-13,0 | 2,50-3,00 | 1,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 316 | 2343 | |
| 1.4539 | | ≤ 0,020 | 19,0-21,0 | 24,0-26,0 | 4,00-5,00 | 0,70 | 2,00 | 2,00 | 0,015 | 0,030 | N ≤ 0,15; Cu 1,20-2,00 | "904L" | 2562 |
| 1.4571 | | ≤ 0,08 | 16,5-18,5 | 10,5-13,5 | 2,00-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | Ti 5xC-0,70 | "316Ti" | 2350 |
| 1.4828 | | ≤ 0,20 | 19,0-21,0 | 11,0-13,0 | 1,50-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 309 | - |
| 1.4841 | | ≤ 0,20 | 24,0-26,0 | 19,0-22,0 | 1,50-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | 314 | - |
| 1.4845 | ≤ 0,10 | 24,0-26,0 | 19,0-22,0 | 1,50-2,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,045 | N ≤ 0,11 | - | - | |
| 1.4460 | ≤ 0,05 | 25,0-28,0 | 4,50-6,50 | 1,30-2,00 | 1,00 | 2,00 | 2,00 | 0,015 | 0,035 | N 0,05-0,20 | 329 | 2324 | |
| 1.4462 | ≤ 0,030 | 21,0-23,0 | 4,50-6,50 | 2,50-3,50 | 1,00 | 2,00 | 2,00 | 0,015 | 0,035 | N 0,10-0,22 | - | 2377 | |

3: The most frequently used grades and their chemical composition

| EN | HB 30 Hardness (HBW) | R _{0,2} N/mm ² (≥ N/mm ²) | R _m N/mm ² (≥ N/mm ²) | A5 Elonga- tion (L ₀ = 5 do) (≥ %) | Z Area Reduc- tion (≥ %) | AV Impact value (≥ J) | Density (kg/dm ³) | Heat capacity (J/g·K) | Heat conduc- tion (W/K·m) | Terminal expansion coefficient 20-100° C (10 ⁻⁶ /°C) | Electric resistance (Ω·mm ² /m) | Elasticity modulus (kN/mm ²) |
|--------|----------------------------|---|---|---|--------------------------------------|-----------------------------|----------------------------------|-----------------------------|------------------------------------|---|--|--|
| 1.4003 | ≤ 200 | 260 | - | 450-600 | 20 | - | 7.7 | 0.43 | 25 | 10.4 | 0.60 | 220 |
| 1.4509 | ≤ 200 | 200 | - | 420-620 | 18 | - | 7.7 | 0.46 | 25 | 10.0 | 0.60 | 220 |
| 1.4510 | ≤ 185 | 270 | - | 450-600 | 20 | 60 | 7.7 | 0.46 | 25 | 10.0 | 0.60 | 220 |
| 1.4512 | ≤ 180 | 220 | - | 390-560 | 20 | - | 7.7 | 0.46 | 25 | 10.5 | 0.60 | 220 |
| 1.4521 | ≤ 200 | 320 | - | 450-650 | 20 | - | 7.7 | 0.43 | 23 | 10.4 | 0.80 | 220 |
| 1.4021 | ≤ 230 | 500 | - | 700-850 | 12 | 50 | 7.7 | 0.46 | 30 | 10.5 | 0.60 | 215 |
| 1.4034 | ≤ 245 | 650 | - | 850-1000 | 10 | - | 7.7 | 0.46 | 30 | 10.5 | 0.55 | 215 |
| 1.4057 | ≤ 295 | 600 | - | 800-950 | 14 / 12 | 45 | 7.7 | 0.46 | 25 | 10.0 | 0.70 | 215 |
| 1.4104 | ≤ 220 | 300 | - | 500 | 12/10 | 50 | 7.7 | 0.46 | 25 | 10.0 | 0.70 | 215 |
| 1.4112 | ≤ 265 | 500 | - | 650-850 | 12/10 | 50 | 7.7 | 0.43 | 15 | 10.3 | 0.80 | 215 |
| 1.4122 | ≤ 280 | 550 | - | 750-950 | 12 | 40 | 7.7 | 0.43 | 29 | 10.4 | 0.65 | 215 |
| 1.4301 | ≤ 215 | 190 | 225 | 500-700 | 45 / 35 | 60 | 100 / 60 | 0.50 | 15 | 16.0 | 0.73 | 200 |
| 1.4305 | ≤ 230 | 190 | 225 | 500-750 | 35 | 60 | 100 / 60 | 0.50 | 15 | 16.0 | 0.73 | 200 |
| 1.4306 | ≤ 215 | 180 | 215 | 460-680 | 45 / 35 | 60 | 100 / 60 | 0.50 | 15 | 16.0 | 0.73 | 200 |
| 1.4307 | ≤ 215 | 175 | 210 | 500-700 | 45 / 35 | 60 | 100 / 60 | 0.50 | 15 | 16.0 | 0.73 | 200 |
| 1.4541 | ≤ 215 | 190 | 225 | 500-700 | 40 / 30 | 50 | 100 / 60 | 0.50 | 15 | 16.0 | 0.73 | 200 |
| 1.4401 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 60 | 100 / 60 | 0.50 | 15 | 16.0 | 0.75 | 200 |
| 1.4404 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 60 | 100 / 60 | 0.50 | 15 | 16.0 | 0.75 | 200 |
| 1.4432 | | 220 | 260 | 550-700 | 40 | | 8.0 | 0.50 | 15 | 16.0 | 0.75 | 200 |
| 1.4435 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 60 | 100 / 60 | 0.50 | 15 | 16.0 | 0.75 | 200 |
| 1.4436 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 60 | 100 / 60 | 0.50 | 15 | 16.0 | 0.75 | 200 |
| 1.4539 | ≤ 230 | 230 | 260 | 530-730 | 40 / 30 | - | 100 / 60 | 0.45 | 12 | 15.8 | 1.00 | 195 |
| 1.4571 | ≤ 215 | 200 | 235 | 500-700 | 40 / 30 | 50 | 100 / 60 | 0.50 | 15 | 16.5 | 0.75 | 200 |
| 1.4828 | ≤ 223 | 230 | 60 | 550-750 | 30 | | 7.9 | 0.50 | 15 | 16.5 | 0.85 | 196 |
| 1.4841 | ≤ 223 | 230 | 60 | 550-750 | 30 | | 7.9 | 0.50 | 15 | 15.5 | 0.90 | 196 |
| 1.4845 | ≤ 192 | 210 | 60 | 500-700 | 35 | | 7.9 | 0.50 | 15 | 15.5 | 0.85 | 200 |
| 1.4460 | ≤ 260 | 450 | - | 620-880 | 20 | - | 7.8 | 0.50 | 15 | 13.0 | 0.80 | 200 |
| 1.4462 | ≤ 270 | 450 | - | 650-880 | 25 | - | 7.8 | 0.50 | 15 | 13.0 | 0.80 | 200 |

4: Normenübersicht

Die Lieferbedingungen für die verschiedenen Gruppen sind in zahlreichen Normen fixiert. Die deutschen Versionen sind beim Beuth-Verlag erhältlich. Nachstehend sind die wichtigsten Normen aufgelistet.

Bleche

| | |
|-----------------|--|
| DIN EN 10088-1 | Flacherzeugnisse aus Druckbehälterstählen |
| DIN EN 10029 | Warmgewalztes Stahlblech von 3 mm Dicke - Grenzabmaße und Formtoleranzen Teil 7: Nichtrostende Stähle |
| DIN EN 10051+A1 | Kontinuierlich warmgewalztes Band und Blech abgelängt aus Warmbreitband aus unlegierten und legierten Stählen - Grenzabmaße und Formtoleranzen |
| DIN EN 10088-2 | Technische Lieferbedingungen für Blech und Band aus korrosionsbeständigen Stählen für allgemeine Verwendung |
| DIN EN ISO 9445 | Kontinuierlich kaltgewalzter nichtrostender Stahl - Grenzabmaße und Formtoleranzen |
| DIN EN 59220 | Flacherzeugnisse aus Stahl - Warmgewalztes Blech mit Mustern Maße, Gewichte, Grenzabmaße, Formtoleranzen und Grenzabweichungen der Masse |

Rohre

| | |
|-----------------|---|
| DIN EN ISO 1127 | Nichtrostende Stahlrohre - Maße, Grenzabmaße und längenbezogene Masse |
| DIN EN 10216-5 | Nahtlose Stahlrohre für Druckbeanspruchungen - Technische Lieferbedingungen Teil 5: Rohre aus nichtrostenden Stählen |
| DIN EN 100294-1 | Stahlrohre für die spanende Bearbeitung - Technische Lieferbedingungen Teil 1: Unlegierte und legierte Stähle |
| DIN EN 10088-3 | Technische Lieferbedingungen für Halbzeug, Stäbe, Walzdraht, gezogenen Draht, Profile und Blankstahlerzeugnisse aus korrosionsbeständigen Stählen für allgemeine Verwendung |
| DIN EN 10088-4 | Technische Lieferbedingungen für Blech und Band aus korrosionsbeständigen Stählen für das Bauwesen |
| DIN EN 10217-7 | Geschweißte Stahlrohre für Druckbeanspruchungen - Technische Lieferbedingungen - Teil 7: Rohre aus nichtrostenden Stählen |
| DIN EN 10305-1 | Präzisionsstahlrohre - Technische Lieferbedingungen Teil 1: Nahtlose kaltgezogene Rohre |

4: Normenübersicht

| | |
|--|---|
| DIN EN 10305-2 | Präzisionsstahlrohre - Technische Lieferbedingungen Teil 2: Geschweißte kaltgezogene Rohre |
| DIN EN 10312/A1 | Geschweißte Rohre aus nichtrostendem Stahl für den Transport von Wasser und anderen wässrigen Flüssigkeiten - Technische Lieferbedingungen |
| Rohre und Armaturen für Lebensmittelanwendungen | |
| ISO 2037 | Rohre aus nichtrostenden Stählen für die Lebensmittelindustrie. Angaben über Maße, Toleranzen, Oberflächenrauheit, Sorten und Hygieneanforderungen an geschweißte und nahtlose Rohre in verschiedenen Längen |
| ISO 2851 | Bögen und T-Stücke aus nichtrostendem Stahl für die Lebensmittelindustrie. Angaben über Maße, Toleranzen, Oberflächenrauheit, Sorten und Hygieneanforderungen. Zur Verwendung für Rohre aus nichtrostenden Stählen im Sinne von ISO 2037 |
| ISO 2853 | Rohrverschraubungen aus nichtrostendem Stahl für die Lebensmittelindustrie. Angaben über Maße, Toleranzen, Oberflächenrauheit, Sorten und Hygieneanforderungen von Verschraubungen. Zur Verwendung für Rohre aus nichtrostenden Stählen im Sinne von ISO 2037 |
| DIN 11850 | Rohre aus nichtrostendem Stahl für Lebensmittel und Chemie Maße, Werkstoffe |
| DIN 11864-2 | Armaturen aus nichtrostendem Stahl für Aseptik, Chemie und Pharmazie Teil 2: Aseptik-Flanschverbindung, Normalausführung |
| DIN 11865 | Formstücke aus nichtrostendem Stahl für Aseptik, Chemie und Pharmazie T-Stücke, Bogen, Reduzierstücke zum Anschweißen. |
| DIN 11866 | Rohre aus nichtrostendem Stahl für Aseptik, Chemie und Pharmazie Maße, Werkstoffe |
| Vollmaterial | |
| DIN EN 10056-2 | Baustahl - Gleichschenklige und ungleichschenklige Winkel aus Stahl; Teil 2: Grenzabmaße und Formtoleranzen |
| DIN EN 10058 | Warmgewalzte Flachstäbe aus Stahl für allgemeine Verwendung Maße, Formtoleranzen und Grenzabmaße |
| DIN EN 10059 | Warmgewalzte Vierkantstäbe aus Stahl für allgemeine Verwendung Maße, Formtoleranzen und Grenzabmaße |

4: Normenübersicht

| | |
|------------------------|---|
| DIN EN 10088-5 | Technische Lieferbedingungen für Stäbe, Walzdraht, gezogene Draht, Profile und Blankstahlerzeugnisse aus korrosionsbeständigen Stählen für das Bauwesen |
| DIN 59220 | Blankstahlerzeugnisse - Maße und Grenzabmaße von Blankstahlerzeugnissen. |
| Gewindefittings | |
| DIN EN 10241 | Stahlfittings mit Gewinde |
| ISO 4144 | Rohrleitungen - Rostfreie Formstücke aus Stahl mit Gewinde nach ISO 7-1 |
| Schweißfittings | |
| DIN EN 10253-3 | Formstücke zum Einschweißen - Teil 3: Nichtrostende austenitische und austenitisch-ferritische (Duplex-)Stähle ohne besondere Prüfanforderungen |
| DIN EN 10253-4 | Formstücke zum Einschweißen - Teil 4: Nichtrostende austenitische und austenitisch-ferritische (Duplex-)Stähle mit besonderen Prüfanforderungen |
| DIN 28011 | Gewölbte Böden - Klöpperform |
| DIN 3567 | Rohrschellen für NW 20-500 |
| Gewinde | |
| DIN EN 10226-1 | Rohrgewinde für im Gewinde dichtende Verbindungen Teil 1: Kegelige Außengewinde und zylindrische Innengewinde |
| DIN ISO 228-1 | Rohrgewinde für nicht im Gewinde dichtende Verbindungen Teil 1: Maße, Toleranzen und Bezeichnungen |
| ISO 7-1 | Rohrgewinde für im Gewinde dichtende Verbindungen Teil 1: Maße, Toleranzen und Bezeichnungen |
| Flansche | |
| DIN EN 1092-1 | Flansche und ihre Verbindungen - Runde Flansche für Rohre, Armaturen , Formstück und Zubehörteile, nach PN bezeichnet - Teil 1: Stahlflansche |
| Allgemein | |
| DIN EN 10088-1 | Verzeichnis der nichtrostenden Stähle |

4: Normenübersicht

ASTM/ASME

| | |
|-------------|--|
| ASTM A 182 | Standard-Spezifikation für geschmiedete oder gewalzte Legierung und Edelstahl-Rohr-Flansche, geschmiedete Fittings und Ventile und Teile für Hochtemperaturbetrieb |
| ASTM A 312 | Standard-Spezifikation für nahtlos, geschweißt und stark kaltverformte austenitische Edelstahl-Rohre |
| ASTM A 403 | Standard-Spezifikation für austenitische Edelstahl Rohrleitungs-Fittings |
| ASME B 16.5 | Rohrflansche und Flanschfittings: NPS 1/2 bis 24 Metrisch/Inch Standard |
| ASME B 16.9 | Fabrikmäßig hergestellte stumpfgeschweißte Fittings aus Schmiedestahl |

4: Overview of standards

The terms of delivery for the various groups are fixed in many standards. The German versions are available from the Beuth-Verlag. The most important standards are given below:

Sheets

| | |
|-----------------|--|
| DIN EN 10088-1 | Flat products of steels for pressure purposes |
| DIN EN 10029 | Hot-rolled steel plates 3 mm thick or above - Tolerances on dimensions and shape |
| DIN EN 10051+A1 | Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape |
| DIN EN 10088-2 | Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes |
| DIN EN ISO 9445 | Continuously cold-rolled stainless steel - Tolerances on dimensions and form |
| DIN EN 59220 | Flat products of steel - Hot rolled patterned plate - Dimensions, mass, tolerances on dimensions, shape and mass |

Tubes

| | |
|-----------------|--|
| DIN EN ISO 1127 | Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length |
| DIN EN 10216-5 | Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 5: Stainless steel tubes |
| DIN EN 10294-1 | Hollow bars for machining - Technical delivery conditions - Part 1: Non alloy and alloy steels |
| DIN EN 10088-3 | Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes |
| DIN EN 10088-4 | Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for construction purposes |
| DIN EN 10217-7 | Welded steel tubes for pressure purposes - Technical delivery conditions - Part 7: Stainless steel tubes |
| DIN EN 10305-1 | Steel tubes for precision applications - Technical delivery conditions - Part 1: Seamless cold drawn tubes |

4: Overview of standards

DIN EN 10305-2 Steel tubes for precision applications - Technical delivery conditions - Part 2: Welded cold drawn tubes

DIN EN 10312/A1 Welded stainless steel tubes for the conveyance of water and other aqueous liquids - Technical delivery conditions

Tubes and fittings for food applications

ISO 2037 Stainless steel tubes for the food industry

ISO 2851 Stainless steel bends and tees for the food industry

ISO 2853 Stainless steel threaded couplings for the food industry

DIN 11850 Stainless steel tubes for the food and chemical industries - Dimensions, materials

DIN 11864-2 Stainless steel fittings for the aseptic, chemical and pharmaceutical industries - Part 2: Aseptic flanged pipe connection, standard type

DIN 11865 Stainless steels fittings for aseptic, chemical and pharmaceutical industry - Tees, elbows and reducers for welding on

DIN 11866 Stainless steel tubes for aseptic, chemical and pharmaceutical industries - Dimensions, materials

Bars

DIN EN 10056-2 Structural steel equal and unequal leg angles; part 2: tolerances on shape and dimensions

DIN EN 10058 Hot rolled flat steel bars for general purposes - Dimensions and tolerances on shape and dimensions

DIN EN 10059 Hot rolled square steel bars for general purposes - Dimensions and tolerances on shape and dimensions

DIN EN 10088-5 Technical delivery conditions for bars, rods, wire, sections and bright products of corrosion resisting steels for construction purposes

DIN 59220 Flat products of steel - Hot rolled patterned plate - Dimensions, mass, tolerances on dimensions, shape and mass

4: Overview of standards

Threaded Fittings

| | |
|--------------|---|
| DIN EN 10241 | Steel threaded pipe |
| ISO 4144 | Pipework - Stainless steel fittings threaded in accordance with ISO 7-1 |

Welding Fittings

| | |
|----------------|--|
| DIN EN 10253-3 | Butt-welding pipe fittings - Part 3: Wrought austenitic and austenitic-ferritic (duplex) stainless steels without specific inspection requirements |
| DIN EN 10253-4 | Butt-welding pipe fittings - Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements |
| DIN 28011 | Torispherical heads |
| DIN 3567 | Pipe Brackets for NW 20 to 500 |

Threads

| | |
|----------------|--|
| DIN EN 10226-1 | Pipe threads where pressure tight joints are made on the threads Part 1: Taper external threads and parallel internal threads |
| DIN ISO 228-1 | Pipe threads where pressure-tight joints are not made on the threads Part 1: Dimensions, tolerances and designation |
| ISO 7-1 | Pipe threads where pressure-tight joints are made on the threads Part 1: Dimensions, tolerances and designation |

Flanges

| | |
|---------------|--|
| DIN EN 1092-1 | Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges |
|---------------|--|

General

| | |
|----------------|--------------------------|
| DIN EN 10088-1 | List of stainless steels |
|----------------|--------------------------|

4: Overview of standards

ASTM/ASME

| | |
|-------------|--|
| ASTM A 182 | Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service |
| ASTM A 312 | Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes |
| ASTM A 403 | Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings |
| ASME B 16.5 | Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric/Inch Standard |
| ASME B 16.9 | Factory Made Wrought Buttwelding Fittings |

5: Wanddickentabelle - DN 6 - 80 / Wall Thickness DIN, ISO, EN, ASME

Die EN 10253-4 enthält sechs Wanddickenreihen, die im Prinzip die Wanddicken der DIN-Reihen 1-5 beinhalten. Farblich hinterlegt sind die identischen DIN-EN Wandstärken, die übereinstimmend übernommen worden sind. DIN Wandstärken 1-5 finden sich fast vollständig in den EN 10253-4 Reihen wieder. The EN 10253-4 contains six wall thickness rows, which, in principle, contain the wall thicknesses of the DIN rows 1-5. Highlighted in colors are the same DIN EN walls, which were adopted unanimously. DIN wall thicknesses 1-5 are found almost entirely in the EN 10253-4 rows.

| Nenn- weiten/ Sizes | DIN | 6 | 8 | 10 | 15 | 20 | 25 | 32 | 40 | 50 | | 65 | 80 | |
|--|---------------|------|------|------|------|------|------|-------|--------|--------|------|--------|------|-------|
| | Zoll/ Inch | | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | | 3" |
| Aussendurchmesser/ Outside diameter | DIN | | | 14,0 | 20,0 | 25,0 | 30,0 | 38,0 | 44,5 | 57,0 | | 76,1 | 88,9 | |
| | ISO | 10,2 | 13,5 | 17,2 | 21,3 | 26,9 | 33,7 | 42,4 | 48,3 | 60,3 | | 76,1 | 88,9 | 101,6 |
| | EN | | | | 21,3 | 26,9 | 33,7 | 42,4 | 48,3 | 60,3 | | 76,1 | 88,9 | 101,6 |
| | ASME | 10,3 | 13,7 | 17,1 | 21,3 | 26,7 | 33,4 | 42,2 | 48,3 | 60,3 | 70,3 | | 88,9 | 101,6 |
| DIN/ISO Wanddickenreihen/ Wall thickness rows DIN/ISO | 1 | | | | 1,6 | 1,6 | 2,0 | 2,0 | 2,0 | 2,0 | | 2,3 | 2,3 | |
| | 2 | | | | | | | | | | | | | |
| | 3 | 1,6 | 1,8 | 1,8 | 2,0 | 2,3 | 2,6 | 2,6 | 2,6 | 2,9 | | 2,9 | 3,2 | (3,6) |
| | 4 | | | | 3,2 | 3,2 | 3,2 | 3,6 | 4,0 | 4,5 | | 5,0 | 5,6 | |
| | 5 | | | | 4,0 | 4,0 | 4,0 | 4,0 | 5,0 | 5,6 | | 7,1 | 8,0 | |
| Wanddicken nach EN 10253-4/ Wall thickness according to EN 10253-4 | 1 | | | | 1,6 | 1,6 | 1,6 | 1,6 | 1,6 | 1,6 | | 1,6 | 2,0 | |
| | 2 | | | | | | 2,0 | 2,0 | 2,0 | 2,0 | | 2,3 | 2,3 | |
| | 3 | | | | | | | | | 2,3 | | 2,6 | 2,9 | |
| | 4 | | | | 2,0 | 2,0 | 2,3 | 2,6 | 2,6 | 2,9 | | 2,9 | 3,2 | |
| | 5 | | | | 3,2 | 3,2 | 3,2 | 3,6 | 3,6 | 4,0 | | 5,0 | 5,6 | |
| | 6 | | | | 4,0 | 4,0 | 4,5 | 5,0 | 5,0 | 5,6 | | 7,1 | 8,0 | |
| Wanddicken / Schedule nach ASME B36.10 / ASME B36.19 Wall thickness / Schedule according to ASME B36.10 / ASME B36.19 | 5s | | | | 1,65 | 1,65 | 1,65 | 1,85 | 1,85 | 1,85 | | | 2,11 | 2,11 |
| | 5 | | | | 1,65 | 1,65 | 1,65 | 1,65 | 1,65 | 1,65 | | | 2,11 | 2,11 |
| | 10s | | | | 2,11 | 2,11 | 2,77 | 2,77 | 2,77 | 2,77 | | | 3,05 | 3,05 |
| | 10 | | | | 2,11 | 2,11 | 2,77 | 2,77 | 2,77 | 2,77 | | | 3,05 | 3,05 |
| | 20 | | | | | | | | | | | | | |
| | 30 | | | | 2,41 | 2,41 | 2,90 | 2,97 | 3,18 | 3,18 | | | 4,78 | 4,78 |
| | STD/ 40s | 1,73 | 2,24 | 2,31 | 2,77 | 2,87 | 3,38 | 3,55 | 3,68 | 3,91 | | | 5,49 | 5,74 |
| | 40 | | | | 2,77 | 2,87 | 3,36 | 3,56 | 3,68 | 3,91 | | | 5,49 | 5,74 |
| | 60 | | | | | | | | | | | | | |
| | XS/ 80s | 2,41 | 3,02 | 3,20 | 3,73 | 3,91 | 4,55 | 4,85 | 5,08 | 5,54 | | | 7,62 | 8,08 |
| | 80 | | | | 3,73 | 3,91 | 4,55 | 4,85 | 5,08 | 5,54 | | | 7,62 | 8,08 |
| | 100 | | | | | | | | | | | | | |
| | 120 | | | | | | | | | | | | | |
| | 140 | | | | | | | | | | | | | |
| 160 | | | | 4,78 | 5,56 | 6,35 | 6,35 | 7,14 | 8,74 | | | 11,13 | | |
| XXS | | | | 7,47 | 7,82 | 9,09 | 9,70 | 10,15 | 11,07 | | | 15,24 | | |

5: Wanddickentabelle - DN 100 - 800 / Wall Thickness DIN, ISO, EN, ASME

Die EN 10253-4 enthält sechs Wanddickenreihen, die im Prinzip die Wanddicken der DIN-Reihen 1-5 beinhalten. Farblich hinterlegt sind die identischen DIN-EN Wandstärken, die übereinstimmend übernommen worden sind. DIN Wandstärken 1-5 finden sich fast vollständig in den EN 10253-4 Reihen wieder. The EN 10253-4 contains six wall thickness rows, which, in principle, contain the wall thicknesses of the DIN rows 1-5. Highlighted in colors are the same DIN EN walls, which were adopted unanimously. DIN wall thicknesses 1-5 are found almost entirely in the EN 10253-4 rows.

| Nenn- weite(r)/ Sizes | DN | 100 | 125 | | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 |
|--|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Zoll/ Inch | 4" | | 5" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" | 28" | 32" |
| Aussendurchmesser/ Outside diameter | DIN | 108,0 | 133,0 | | 159,0 | 216,0 | 267,0 | 318,0 | 368,0 | 419,0 | 470,0 | 521,0 | 622,0 | 720,0 | 820,0 |
| | ISO | 114,3 | 139,7 | | 168,3 | 219,1 | 273,0 | 323,9 | 355,6 | 406,4 | 457,0 | 508,0 | 610,0 | 711,0 | 813,0 |
| | EN | 114,3 | 139,7 | | 168,3 | 219,1 | 273,0 | 323,9 | 355,6 | 406,4 | 457,0 | 508,0 | 610,0 | 711,0 | 813,0 |
| | ASME | 114,3 | | 141,3 | 168,3 | 219,1 | 273,0 | 323,8 | 355,6 | 406,4 | 457,0 | 508,0 | 610,0 | 711,0 | 813,0 |
| DIN/ISO Wanddickenreihen/ Wall thickness rows DIN/ISO | 1 | 2,6 | 2,6 | | 2,6 | 2,9 | 2,9 | 2,9 | 3,2 | 3,2 | 4,0 | 4,0 | 5,0 | 5,0 | 5,6 |
| | 2 | | | | 4,0 | 4,5 | 5,0 | 5,6 | 5,6 | 6,3 | 6,3 | 6,3 | 6,3 | 7,1 | 8,0 |
| | 3 | 3,6 | 4,0 | | 4,5 | 6,3 | 6,3 | 7,1 | 8,0 | 8,8 | 10,0 | 11,0 | 12,5 | 12,5 | 12,5 |
| | 4 | 6,3 | 6,3 | | 7,1 | 8,0 | 8,8 | 10,0 | 11,0 | 12,5 | 14,2 | 16,0 | 17,5 | | |
| | 5 | 8,8 | 10,0 | | 11,0 | 12,5 | 14,2 | 16,0 | 17,5 | 20,0 | 22,2 | 25,0 | 30,0 | | |
| Wanddicken nach EN 10253-4/ Wall thickness according to EN 10253-4 | 1 | 2,0 | 2,0 | | 2,0 | 2,0 | 2,0 | 2,0 | 2,6 | 2,6 | 2,6 | 3,2 | 3,2 | 3,2 | 4,0 |
| | 2 | 2,6 | 2,6 | | 2,6 | 2,6 | 3,6 | 4,0 | 4,0 | 4,0 | 4,0 | 5,0 | 5,6 | 5,6 | 5,6 |
| | 3 | 2,9 | 3,2 | | 3,2 | 3,6 | 4,0 | 4,5 | 5,0 | 5,0 | 5,0 | 5,6 | 6,3 | 7,1 | 8,0 |
| | 4 | 3,6 | 4,0 | | 4,5 | 6,3 | 6,3 | 7,1 | 8,0 | 8,8 | 10,0 | 11,0 | 12,5 | 12,5 | 12,5 |
| | 5 | 6,3 | 6,3 | | 7,1 | 8,0 | 10,0 | 11,0 | 12,5 | | | | | | |
| | 6 | 8,8 | 10,0 | | 11,0 | 12,5 | | | | | | | | | |
| Wanddicken / Schedule nach ASME B36.10 / ASME B36.19 Wall thickness / Schedule according to ASME B36.10 / ASME B36.19 | 5S | 2,11 | | 2,77 | 2,77 | 2,77 | 3,40 | 3,96 | 3,96 | 4,19 | 4,19 | 4,78 | 5,54 | | |
| | 5 | 2,11 | | 2,77 | 2,77 | 2,77 | 3,40 | 4,19 | | | | | | | |
| | 10S | 3,05 | | 3,40 | 3,40 | 3,78 | 4,19 | 4,57 | 4,78 | 4,78 | 4,78 | 5,54 | 6,35 | | |
| | 10 | 3,05 | | 3,40 | 3,40 | 3,78 | 4,19 | 4,57 | 6,35 | 6,35 | 6,35 | 6,35 | 6,35 | 7,92 | 7,92 |
| | 20 | | | | | 6,35 | 6,35 | 6,35 | 7,92 | 7,92 | 7,92 | 9,53 | 9,53 | 12,70 | 12,70 |
| | 30 | 4,78 | | | | 7,04 | 7,80 | 8,38 | 9,53 | 9,53 | 11,13 | 12,70 | 14,27 | 15,88 | 15,88 |
| | STD/ 40S | 6,02 | | 6,55 | 7,11 | 8,18 | 9,27 | 9,53 | 9,53 | 9,53 | 9,53 | 9,53 | 9,53 | 9,53 | 9,53 |
| | 40 | 6,02 | | 6,55 | 7,11 | 8,18 | 9,27 | 10,31 | 11,13 | 12,70 | 14,27 | 15,09 | 17,48 | | 17,48 |
| | 60 | | | | | | 10,31 | 12,70 | 14,27 | 15,09 | 16,66 | 19,05 | 20,62 | 24,61 | |
| | XS/ 80S | 8,56 | | 9,53 | 10,97 | 12,70 | 12,70 | 12,70 | 12,70 | 12,70 | 12,70 | 12,70 | 12,70 | 12,70 | 12,70 |
| | 80 | 8,56 | | 9,53 | 10,97 | 12,70 | 15,09 | 17,48 | 19,05 | 21,44 | 23,83 | 26,19 | 30,95 | | |
| | 100 | | | | | 15,09 | 18,26 | 21,44 | 23,83 | 26,19 | 29,36 | 32,54 | 38,89 | | |
| | 120 | 11,13 | | 12,70 | 14,27 | 18,26 | 21,44 | 25,40 | 27,79 | 30,96 | 34,93 | 36,41 | 46,02 | | |
| | 140 | | | | | 20,62 | 25,40 | 28,58 | 31,75 | 36,53 | 39,67 | 44,45 | 52,37 | | |
| | 160 | 13,49 | | 15,88 | 18,26 | 23,01 | 26,58 | 33,32 | 35,71 | 40,49 | 45,24 | 50,01 | 59,54 | | |
| XXS | 17,12 | | 19,05 | 21,95 | 22,29 | 25,40 | 25,40 | | | | | | | | |