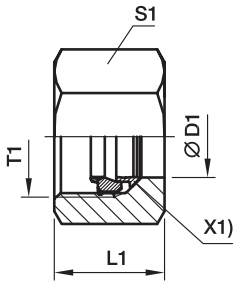
## FM EO2-Functional nut

for steel tubes



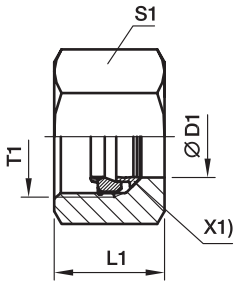

X1) Retaining ring

| Series | D1 | T1 | L1 | S1 | Order code FM…CF Steel, zinc plated Cr6 free passiv. +Sealing Sealing NBR | PN (bar) | FM…VITCF Steel, zinc plated Cr6 free passiv. +Sealing Sealing FKM | PN (bar) | FM…A3C Steel, zinc yellow plated A3C Sealing NBR | PN (bar) | FM…VITA3C Steel, zinc yellow plated A3C Sealing FKM | PN (bar) | Weight g/1 piece |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 04 | M8×1 | 11.0 | 10 | — | — | — | — | **FM04LLA3C** | 100 | — | — | 5 |
| | 06 | M10×1 | 11.5 | 12 | — | — | — | — | **FM06LLA3C** | 100 | — | — | 6 |
| L | 06 | M12×1.5 | 14.5 | 14 | **FM06LCF** | 500 | **FM06LVITCF** | 500 | **FM06LA3C** | 315 | **FM06LVITA3C** | 315 | 12 |
| | 08 | M14×1.5 | 14.5 | 17 | **FM08LCF** | 500 | **FM08LVITCF** | 500 | **FM08LA3C** | 315 | **FM08LVITA3C** | 315 | 17 |
| | 10 | M16×1.5 | 15.5 | 19 | **FM10LCF** | 500 | **FM10LVITCF** | 500 | **FM10LA3C** | 315 | **FM10LVITA3C** | 315 | 22 |
| | 12 | M18×1.5 | 15.5 | 22 | **FM12LCF** | 400 | **FM12LVITCF** | 400 | **FM12LA3C** | 315 | **FM12LVITA3C** | 315 | 30 |
| | 15 | M22×1.5 | 17.0 | 27 | **FM15LCF** | 400 | **FM15LVITCF** | 400 | **FM15LA3C** | 315 | **FM15LVITA3C** | 315 | 48 |
| | 18 | M26×1.5 | 18.0 | 32 | **FM18LCF** | 400 | **FM18LVITCF** | 400 | **FM18LA3C** | 315 | **FM18LVITA3C** | 315 | 70 |
| | 22 | M30×2 | 20.0 | 36 | **FM22LCF** | 250 | **FM22LVITCF** | 250 | **FM22LA3C** | 160 | **FM22LVITA3C** | 160 | 94 |
| | 28 | M36×2 | 21.0 | 41 | **FM28LCF** | 250 | **FM28LVITCF** | 250 | **FM28LA3C** | 160 | **FM28LVITA3C** | 160 | 106 |
| | 35 | M45×2 | 24.0 | 50 | **FM35LCF** | 250 | **FM35LVITCF** | 250 | **FM35LA3C** | 160 | **FM35LVITA3C** | 160 | 160 |
| | 42 | M52×2 | 24.0 | 60 | **FM42LCF** | 250 | **FM42LVITCF** | 250 | **FM42LA3C** | 160 | **FM42LVITA3C** | 160 | 244 |
| S | 06 | M14×1.5 | 16.5 | 17 | **FM06SCF** | 800 | **FM06SVITCF** | 800 | **FM06SA3C** | 630 | **FM06SVITA3C** | 630 | 20 |
| | 08 | M16×1.5 | 16.5 | 19 | **FM08SCF** | 800 | **FM08SVITCF** | 800 | **FM08SA3C** | 630 | **FM08SVITA3C** | 630 | 23 |
| | 10 | M18×1.5 | 17.5 | 22 | **FM10SCF** | 800 | **FM10SVITCF** | 800 | **FM10SA3C** | 630 | **FM10SVITA3C** | 630 | 37 |
| | 12 | M20×1.5 | 17.5 | 24 | **FM12SCF** | 630 | **FM12SVITCF** | 630 | **FM12SA3C** | 630 | **FM12SVITA3C** | 630 | 39 |
| | 14 | M22×1.5 | 20.5 | 27 | **FM14SCF** | 630 | **FM14SVITCF** | 630 | **FM14SA3C** | 630 | **FM14SVITA3C** | 630 | 60 |
| | 16 | M24×1.5 | 20.5 | 30 | **FM16SCF** | 630 | **FM16SVITCF** | 630 | **FM16SA3C** | 400 | **FM16SVITA3C** | 400 | 72 |
| | 20 | M30×2 | 24.0 | 36 | **FM20SCF** | 420 | **FM20SVITCF** | 420 | **FM20SA3C** | 400 | **FM20SVITA3C** | 400 | 121 |
| | 25 | M36×2 | 27.0 | 46 | **FM25SCF** | 420 | **FM25SVITCF** | 420 | **FM25SA3C** | 400 | **FM25SVITA3C** | 400 | 221 |
| | 30 | M42×2 | 29.0 | 50 | **FM30SCF** | 420 | **FM30SVITCF** | 420 | **FM30SA3C** | 400 | **FM30SVITA3C** | 400 | 248 |
| | 38 | M52×2 | 32.5 | 60 | **FM38SCF** | 420 | **FM38SVITCF** | 420 | **FM38SA3C** | 315 | **FM38SVITA3C** | 315 | 367 |

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

## FM EO2-Functional nut

for stainless steel tubes



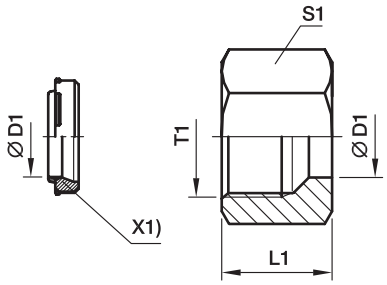

X1) Retaining ring

| Series | D1 | T1 | L1 | S1 | Order code FM…71 Stainless Steel Sealing FKM | PN (bar) | FM…NBR71 Stainless Steel Sealing NBR | PN (bar) | FM…SSA Steel, zinc plated Cr6 free passiv. +Sealing, Retaining ring: Stainless Steel Sealing NBR | PN (bar) | FM…VITSSA Steel, zinc plated Cr6 free passiv. +Sealing, Retaining ring: Stainless Steel Sealing FKM | PN (bar) | Weight g/1 piece |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 04 | M8×1 | 11.0 | 10 | — | — | — | — | **FM04LLASSA** | 100 | — | — | 5 |
| | 06 | M10×1 | 11.5 | 12 | — | — | — | — | **FM06LLSSA** | 100 | — | — | 6 |
| L | 06 | M12×1.5 | 14.5 | 14 | **FM06L71** | 315 | **FM06LNBR71** | 315 | **FM06LSSA** | 315 | **FM06LVITSSA** | 315 | 12 |
| | 08 | M14×1.5 | 14.5 | 17 | **FM08L71** | 315 | **FM08LNBR71** | 315 | **FM08LSSA** | 315 | **FM08LVITSSA** | 315 | 17 |
| | 10 | M16×1.5 | 15.5 | 19 | **FM10L71** | 315 | **FM10LNBR71** | 315 | **FM10LSSA** | 315 | **FM10LVITSSA** | 315 | 22 |
| | 12 | M18×1.5 | 15.5 | 22 | **FM12L71** | 315 | **FM12LNBR71** | 315 | **FM12LSSA** | 315 | **FM12LVITSSA** | 315 | 30 |
| | 15 | M22×1.5 | 17.0 | 27 | **FM15L71** | 315 | **FM15LNBR71** | 315 | **FM15LSSA** | 315 | **FM15LVITSSA** | 315 | 48 |
| | 18 | M26×1.5 | 18.0 | 32 | **FM18L71** | 315 | **FM18LNBR71** | 315 | **FM18LSSA** | 315 | **FM18LVITSSA** | 315 | 70 |
| | 22 | M30×2 | 20.0 | 36 | **FM22L71** | 160 | **FM22LNBR71** | 160 | **FM22LSSA** | 160 | **FM22LVITSSA** | 160 | 94 |
| | 28 | M36×2 | 21.0 | 41 | **FM28L71** | 160 | **FM28LNBR71** | 160 | **FM28LSSA** | 160 | **FM28LVITSSA** | 160 | 106 |
| | 35 | M45×2 | 24.0 | 50 | **FM35L71** | 160 | **FM35LNBR71** | 160 | **FM35LSSA** | 160 | **FM35LVITSSA** | 160 | 160 |
| | 42 | M52×2 | 24.0 | 60 | **FM42L71** | 160 | **FM42LNBR71** | 160 | **FM42LSSA** | 160 | **FM42LVITSSA** | 160 | 244 |
| S | 06 | M14×1.5 | 16.5 | 17 | **FM06S71** | 630 | **FM06SNBR71** | 630 | **FM06SSSA** | 630 | **FM06SVITSSA** | 630 | 20 |
| | 08 | M16×1.5 | 16.5 | 19 | **FM08S71** | 630 | **FM08SNBR71** | 630 | **FM08SSSA** | 630 | **FM08SVITSSA** | 630 | 23 |
| | 10 | M18×1.5 | 17.5 | 22 | **FM10S71** | 630 | **FM10SNBR71** | 630 | **FM10SSSA** | 630 | **FM10SVITSSA** | 630 | 37 |
| | 12 | M20×1.5 | 17.5 | 24 | **FM12S71** | 630 | **FM12SNBR71** | 630 | **FM12SSSA** | 630 | **FM12SVITSSA** | 630 | 39 |
| | 14 | M22×1.5 | 20.5 | 27 | **FM14S71** | 630 | **FM14SNBR71** | 630 | **FM14SSSA** | 630 | **FM14SVITSSA** | 630 | 60 |
| | 16 | M24×1.5 | 20.5 | 30 | **FM16S71** | 400 | **FM16SNBR71** | 400 | **FM16SSSA** | 400 | **FM16SVITSSA** | 400 | 72 |
| | 20 | M30×2 | 24.0 | 36 | **FM20S71** | 400 | **FM20SNBR71** | 400 | **FM20SSSA** | 400 | **FM20SVITSSA** | 400 | 121 |
| | 25 | M36×2 | 27.0 | 46 | **FM25S71** | 400 | **FM25SNBR71** | 400 | **FM25SSSA** | 400 | **FM25SVITSSA** | 400 | 221 |
| | 30 | M42×2 | 29.0 | 50 | **FM30S71** | 400 | **FM30SNBR71** | 400 | **FM30SSSA** | 400 | **FM30SVITSSA** | 400 | 248 |
| | 38 | M52×2 | 32.5 | 60 | **FM38S71** | 315 | **FM38SNBR71** | 315 | **FM38SSSA** | 315 | **FM38SVITSSA** | 315 | 367 |

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

## EO2-FORM Set

for steel tubes

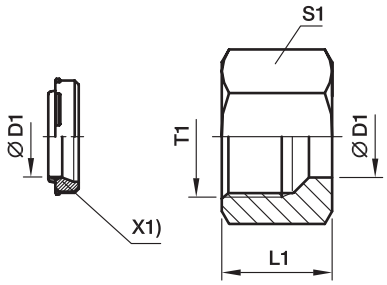



X1) Sealing (DOZ)

| Series | D1 | T1 | L1 | S1 | Order code FORM…CF Steel, zinc plated Cr6 free +Seal NBR | FORM…VITCF Steel, zinc plated Cr6 free +Seal FKM | FORM…A3C Steel, zinc yellow plated A3C NBR | FORM…VITA3C Steel, zinc yellow plated A3C FKM | Weight g/1 piece |
|---|---|---|---|---|---|---|---|---|---|
| L | 06 | M12×1.5 | 14.5 | 14 | **FORM06LCF** | **FORM06LVITCF** | **FORM06LA3C** | **FORM06LVITA3C** | 11 |
| | 08 | M14×1.5 | 14.5 | 17 | **FORM08LCF** | **FORM08LVITCF** | **FORM08LA3C** | **FORM08LVITA3C** | 16 |
| | 10 | M16×1.5 | 15.5 | 19 | **FORM10LCF** | **FORM10LVITCF** | **FORM10LA3C** | **FORM10LVITA3C** | 20 |
| | 12 | M18×1.5 | 15.5 | 22 | **FORM12LCF** | **FORM12LVITCF** | **FORM12LA3C** | **FORM12LVITA3C** | 27 |
| | 15 | M22×1.5 | 17.0 | 27 | **FORM15LCF** | **FORM15LVITCF** | **FORM15LA3C** | **FORM15LVITA3C** | 45 |
| | 18 | M26×1.5 | 18.0 | 32 | **FORM18LCF** | **FORM18LVITCF** | **FORM18LA3C** | **FORM18LVITA3C** | 67 |
| | 22 | M30×2 | 20.0 | 36 | **FORM22LCF** | **FORM22LVITCF** | **FORM22LA3C** | **FORM22LVITA3C** | 88 |
| | 28 | M36×2 | 21.0 | 41 | **FORM28LCF** | **FORM28LVITCF** | **FORM28LA3C** | **FORM28LVITA3C** | 99 |
| | 35 | M45×2 | 24.0 | 50 | **FORM35LCF** | **FORM35LVITCF** | **FORM35LA3C** | **FORM35LVITA3C** | 162 |
| | 42 | M52×2 | 24.0 | 60 | **FORM42LCF** | **FORM42LVITCF** | **FORM42LA3C** | **FORM42LVITA3C** | 233 |
| S | 06 | M14×1.5 | 16.5 | 17 | **FORM06SCF** | **FORM06SVITCF** | **FORM06SA3C** | **FORM06SVITA3C** | 19 |
| | 08 | M16×1.5 | 16.5 | 19 | **FORM08SCF** | **FORM08SVITCF** | **FORM08SA3C** | **FORM08SVITA3C** | 22 |
| | 10 | M18×1.5 | 17.5 | 22 | **FORM10SCF** | **FORM10SVITCF** | **FORM10SA3C** | **FORM10SVITA3C** | 34 |
| | 12 | M20×1.5 | 17.5 | 24 | **FORM12SCF** | **FORM12SVITCF** | **FORM12SA3C** | **FORM12SVITA3C** | 38 |
| | 14 | M22×1.5 | 20.5 | 27 | **FORM14SCF** | **FORM14SVITCF** | **FORM14SA3C** | **FORM14SVITA3C** | 57 |
| | 16 | M24×1.5 | 20.5 | 30 | **FORM16SCF** | **FORM16SVITCF** | **FORM16SA3C** | **FORM16SVITA3C** | 71 |
| | 20 | M30×2 | 24.0 | 36 | **FORM20SCF** | **FORM20SVITCF** | **FORM20SA3C** | **FORM20SVITA3C** | 115 |
| | 25 | M36×2 | 27.0 | 46 | **FORM25SCF** | **FORM25SVITCF** | **FORM25SA3C** | **FORM25SVITA3C** | 216 |
| | 30 | M42×2 | 29.0 | 50 | **FORM30SCF** | **FORM30SVITCF** | **FORM30SA3C** | **FORM30SVITA3C** | 242 |
| | 38 | M52×2 | 32.5 | 60 | **FORM38SCF** | **FORM38SVITCF** | **FORM38SA3C** | **FORM38SVITA3C** | 366 |

## EO2-FORM Set

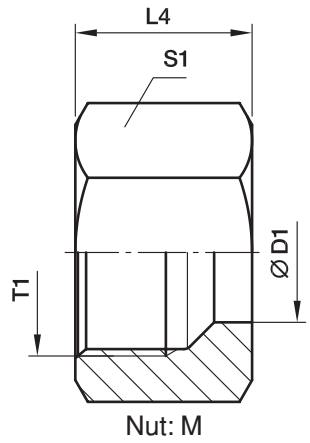
for stainless steel tubes




X1) Sealing (DOZ)

| Series | D1 | T1 | L1 | S1 | Order code FORM…71 Stainless Steel Sealing FKM | FORM…NBR71 Stainless Steel Sealing NBR | FORM…CF Steel, zinc plated Cr6 free +Seal NBR | FORM…VITCF Steel, zinc Cr6 free +Seal FKM | Weight g/1 piece |
|---|---|---|---|---|---|---|---|---|---|
| L | 06 | M12×1.5 | 14.5 | 14 | **FORM06L71** | **FORM06LNBR71** | **FORM06LCF** | **FORM06LVITCF** | 11 |
| | 08 | M14×1.5 | 14.5 | 17 | **FORM08L71** | **FORM08LNBR71** | **FORM08LCF** | **FORM08LVITCF** | 16 |
| | 10 | M16×1.5 | 15.5 | 19 | **FORM10L71** | **FORM10LNBR71** | **FORM10LCF** | **FORM10LVITCF** | 21 |
| | 12 | M18×1.5 | 15.5 | 22 | **FORM12L71** | **FORM12LNBR71** | **FORM12LCF** | **FORM12LVITCF** | 27 |
| | 15 | M22×1.5 | 17.0 | 27 | **FORM15L71** | **FORM15LNBR71** | **FORM15LCF** | **FORM15LVITCF** | 46 |
| | 18 | M26×1.5 | 18.0 | 32 | **FORM18L71** | **FORM18LNBR71** | **FORM18LCF** | **FORM18LVITCF** | 68 |
| | 22 | M30×2 | 20.0 | 36 | **FORM22L71** | **FORM22LNBR71** | **FORM22LCF** | **FORM22LVITCF** | 89 |
| | 28 | M36×2 | 21.0 | 41 | **FORM28L71** | **FORM28LNBR71** | **FORM28LCF** | **FORM28LVITCF** | 101 |
| | 35 | M45×2 | 24.0 | 50 | **FORM35L71** | **FORM35LNBR71** | **FORM35LCF** | **FORM35LVITCF** | 165 |
| | 42 | M52×2 | 24.0 | 60 | **FORM42L71** | **FORM42LNBR71** | **FORM42LCF** | **FORM42LVITCF** | 237 |
| S | 06 | M14×1.5 | 16.5 | 17 | **FORM06S71** | **FORM06SNBR71** | **FORM06SCF** | **FORM06SVITCF** | 19 |
| | 08 | M16×1.5 | 16.5 | 19 | **FORM08S71** | **FORM08SNBR71** | **FORM08SCF** | **FORM08SVITCF** | 22 |
| | 10 | M18×1.5 | 17.5 | 22 | **FORM10S71** | **FORM10SNBR71** | **FORM10SCF** | **FORM10SVITCF** | 35 |
| | 12 | M20×1.5 | 17.5 | 24 | **FORM12S71** | **FORM12SNBR71** | **FORM12SCF** | **FORM12SVITCF** | 39 |
| | 14 | M22×1.5 | 20.5 | 27 | **FORM14S71** | **FORM14SNBR71** | **FORM14SCF** | **FORM14SVITCF** | 58 |
| | 16 | M24×1.5 | 20.5 | 30 | **FORM16S71** | **FORM16SNBR71** | **FORM16SCF** | **FORM16SVITCF** | 71 |
| | 20 | M30×2 | 24.0 | 36 | **FORM20S71** | **FORM20SNBR71** | **FORM20SCF** | **FORM20SVITCF** | 117 |
| | 25 | M36×2 | 27.0 | 46 | **FORM25S71** | **FORM25SNBR71** | **FORM25SCF** | **FORM25SVITCF** | 219 |
| | 30 | M42×2 | 29.0 | 50 | **FORM30S71** | **FORM30SNBR71** | **FORM30SCF** | **FORM30SVITCF** | 246 |
| | 38 | M52×2 | 32.5 | 60 | **FORM38S71** | **FORM38SNBR71** | **FORM38SCF** | **FORM38SVITCF** | 372 |

# M Nut · EO 24° Cone end




| Series | D1 | T1 | L4 | S1 | Weight g/1 piece | Order code* | PN (bar)[1] CF | A3C | 71 | MS |
|---|---|---|---|---|---|---|---|---|---|---|
| LL[2]) | 04 | M8×1 | 11.0 | 10 | 4 | **M04LL** | 100 | 100 | 100 | 63 |
| | 06 | M10×1 | 11.5 | 12 | 6 | **M06LL** | 100 | 100 | 100 | 63 |
| | 08 | M12×1 | 12.0 | 14 | 7 | **M08LL** | 100 | 100 | 100 | 63 |
| | 10 | M14×1 | 12.5 | 17 | 11 | **M10LL** | 100 | 100 | 100 | 63 |
| | 12 | M16×1 | 13.0 | 19 | 13 | **M12LL** | 100 | 100 | 100 | 63 |
| L[3]) | 06 | M12×1.5 | 14.5 | 14 | 10 | **M06L** | 500 | 315 | 315 | 200 |
| | 08 | M14×1.5 | 14.5 | 17 | 15 | **M08L** | 500 | 315 | 315 | 200 |
| | 10 | M16×1.5 | 15.5 | 19 | 18 | **M10L** | 500 | 315 | 315 | 200 |
| | 12 | M18×1.5 | 15.5 | 22 | 25 | **M12L** | 400 | 315 | 315 | 200 |
| | 15 | M22×1.5 | 17.0 | 27 | 42 | **M15L** | 400 | 315 | 315 | 200 |
| | 18 | M26×1.5 | 18.0 | 32 | 62 | **M18L** | 400 | 315 | 315 | 200 |
| | 22 | M30×2 | 20.0 | 36 | 82 | **M22L** | 250 | 160 | 160 | 100 |
| | 28 | M36×2 | 21.0 | 41 | 89 | **M28L** | 250 | 160 | 160 | 100 |
| | 35 | M45×2 | 24.0 | 50 | 137 | **M35L** | 250 | 160 | 160 | 100 |
| | 42 | M52×2 | 24.0 | 60 | 216 | **M42L** | 250 | 160 | 160 | 100 |
| S[4]) | 06 | M14×1.5 | 16.5 | 17 | 17 | **M06S** | 800 | 630 | 630 | 400 |
| | 08 | M16×1.5 | 16.5 | 19 | 20 | **M08S** | 800 | 630 | 630 | 400 |
| | 10 | M18×1.5 | 17.5 | 22 | 31 | **M10S** | 800 | 630 | 630 | 400 |
| | 12 | M20×1.5 | 17.5 | 24 | 34 | **M12S** | 630 | 630 | 630 | 400 |
| | 14 | M22×1.5 | 20.5 | 27 | 53 | **M14S** | 630 | 630 | 630 | 400 |
| | 16 | M24×1.5 | 20.5 | 30 | 66 | **M16S** | 630 | 400 | 400 | 250 |
| | 20 | M30×2 | 24.0 | 36 | 102 | **M20S** | 420 | 400 | 400 | 250 |
| | 25 | M36×2 | 27.0 | 46 | 202 | **M25S** | 420 | 400 | 400 | 250 |
| | 30 | M42×2 | 29.0 | 50 | 219 | **M30S** | 420 | 400 | 400 | 250 |
| | 38 | M52×2 | 32.5 | 60 | 339 | **M38S** | 420 | 315 | 315 | 200 |

[1]) Pressure shown = item deliverable

[2]) LL = very light series; [3]) L = light series; [4]) S = heavy series

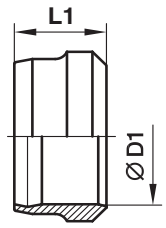
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

*Please add the **suffixes** below according to the material/ surface required.

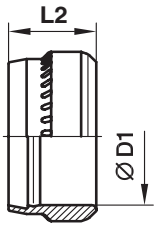
| Order code suffixes | | |
|---|---|---|
| Material | Suffix surface and material | Example |
| Steel, zinc plated, chrome[6]-free | CFX | M16SCFX |
| Steel, zinc yellow plated | A3CX | M16SA3CX |
| Stainless Steel | EODURX | M16SEODURX |
| Brass | MSX | M16SMSX |

## PSR Progressive stop ring · DPR Progressive ring · D Cutting ring

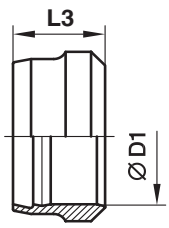
for EO 24° cone end




Cutting ring: D




Progressive stop ring: PSR



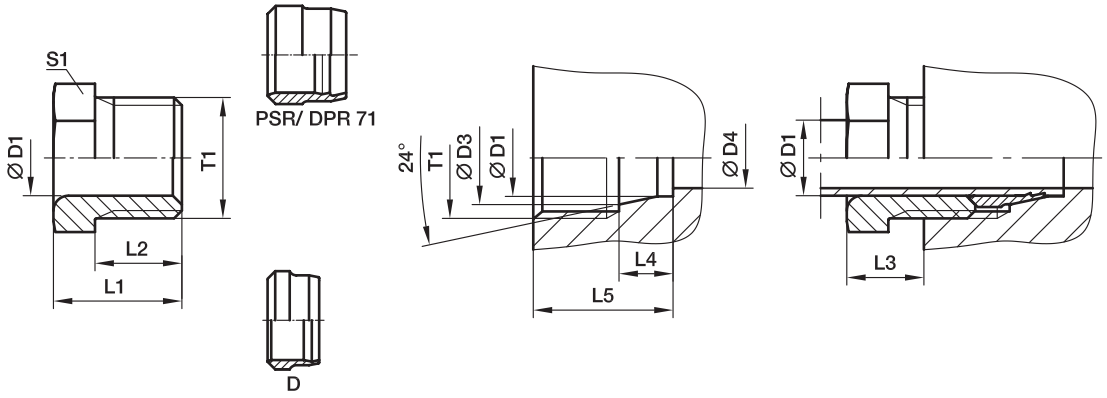

Progressive ring: DPR

| | | Cutting ring **D** | | | | | | | Progressive stop ring **PSR** | | | Progressive ring **DPR** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Order code* Steel, zinc plated Cr6 free | | Stainless Steel | | Brass | | | Order code Steel, zinc plated Cr6 free | | | Order code Stainless Steel | | |
| Series | D1 | L1 | | PN (bar) | | PN (bar) | | PN (bar) | L2 | | PN (bar) | L3 | | PN (bar) | Weight g/1 pc. |
| LL | 04 | 6.0 | **D04LLX** | 100 | **D04LL71X** | 100 | **D04LLMSX** | 63 | — | — | — | — | — | — | 0.3 |
| | 06 | 7.0 | **D06LLX** | 100 | **D06LL71X** | 100 | **D06LLMSX** | 63 | — | — | — | — | — | — | 0.8 |
| | 08 | 7.0 | **D08LLX** | 100 | **D08LL71X** | 100 | **D08LLMSX** | 63 | — | — | — | — | — | — | 1.0 |
| | 10 | 7.0 | **D10LLX** | 100 | **D10LL71X** | 100 | **D10LLMSX** | 63 | — | — | — | — | — | — | 1.3 |
| | 12 | 7.5 | **D12LLX** | 100 | **D12LL71X** | 100 | **D12LLMSX** | 63 | — | — | — | — | — | — | 1.6 |
| L | 06 | 9.5 | — | — | — | — | **D06LMSX** | 200 | 9.5 | **PSR06LX** | 500 | 9.0 | **DPR06L71X** | 315 | 1.7 |
| | 08 | 9.0 | — | — | — | — | **D08LMSX** | 200 | 9.5 | **PSR08LX** | 500 | 9.0 | **DPR08L71X** | 315 | 2.2 |
| | 10 | 10.0 | — | — | — | — | **D10LMSX** | 200 | 10.0 | **PSR10LX** | 500 | 9.5 | **DPR10L71X** | 315 | 3.1 |
| | 12 | 10.0 | — | — | — | — | **D12LMSX** | 200 | 10.0 | **PSR12LX** | 400 | 9.8 | **DPR12L71X** | 315 | 3.5 |
| | 15 | 10.0 | — | — | — | — | **D15LMSX** | 200 | 10.0 | **PSR15LX** | 400 | 9.5 | **DPR15L71X** | 315 | 4.5 |
| | 18 | 10.0 | — | — | — | — | **D18LMSX** | 200 | 10.0 | **PSR18LX** | 400 | 9.5 | **DPR18L71X** | 315 | 5.5 |
| | 22 | 10.5 | — | — | — | — | **D22LMSX** | 100 | 10.5 | **PSR22LX** | 250 | 10.5 | **DPR22L71X** | 160 | 7.3 |
| | 28 | 10.5 | — | — | — | — | **D28LMSX** | 100 | 10.5 | **PSR28LX** | 250 | 11.0 | **DPR28L71X** | 160 | 9.4 |
| | 35 | 13.0 | — | — | — | — | **D35LMSX** | 100 | 13.0 | **PSR35LX** | 250 | 13.5 | **DPR35L71X** | 160 | 20.0 |
| | 42 | 13.5 | — | — | — | — | **D42LMSX** | 100 | 13.0 | **PSR42LX** | 250 | 13.5 | **DPR42L71X** | 160 | 23.0 |
| S | 06 | 9.5 | — | — | — | — | **D06SMSX** | 400 | 9.5 | **PSR06SX** | 800 | 9.0 | **DPR06S71X** | 630 | 1.7 |
| | 08 | 9.0 | — | — | — | — | **D08SMSX** | 400 | 9.5 | **PSR08SX** | 800 | 9.0 | **DPR08S71X** | 630 | 3.2 |
| | 10 | 10.0 | — | — | — | — | **D10SMSX** | 400 | 10.0 | **PSR10SX** | 800 | 9.5 | **DPR10S71X** | 630 | 3.1 |
| | 12 | 10.0 | — | — | — | — | **D12SMSX** | 400 | 10.0 | **PSR12SX** | 630 | 9.8 | **DPR12S71X** | 630 | 3.5 |
| | 14 | 10.0 | — | — | — | — | **D14SMSX** | 400 | 10.0 | **PSR14SX** | 630 | 9.5 | **DPR14S71X** | 630 | 3.9 |
| | 16 | 10.5 | — | — | — | — | **D16SMSX** | 250 | 10.0 | **PSR16SX** | 630 | 9.5 | **DPR16S71X** | 400 | 5.6 |
| | 20 | 12.5 | — | — | — | — | **D20SMSX** | 250 | 13.0 | **PSR20SX** | 420 | 12.5 | **DPR20S71X** | 400 | 11.4 |
| | 25 | 12.5 | — | — | — | — | **D25SMSX** | 250 | 13.0 | **PSR25SX** | 420 | 12.5 | **DPR25S71X** | 400 | 13.3 |
| | 30 | 13.0 | — | — | — | — | **D30SMSX** | 250 | 13.0 | **PSR30SX** | 420 | 12.5 | **DPR30S71X** | 400 | 19.3 |
| | 38 | 13.5 | — | — | — | — | **D38SMSX** | 200 | 13.0 | **PSR38SX** | 420 | 13.0 | **DPR38S71X** | 315 | 22.5 |

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

## S Sleeve screw

for threaded ports according to DIN 3854




| Series | D1 | T1 | D3 | D4 | L1 | L2 | L3 | L4 | L5 | S1 | Weight g/1 piece | Order code* | PN (bar)[1] CF | A3C | 71 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LL[2]) | 04 | M8×1 | 5.0 | 3.0 | 12 | 8.0 | 6 | 4.0 | 12.5 | 8 | 3 | **S04LL** | 100 | 100 | 100 |
| | 06 | M10×1 | 7.5 | 4.5 | 13 | 9.0 | 7 | 5.5 | 14.5 | 10 | 4 | **S06LL** | 100 | 100 | 100 |
| | 08 | M12×1 | 9.5 | 6.0 | 14 | 9.5 | 7 | 5.5 | 14.5 | 12 | 6 | **S08LL** | 100 | 100 | 100 |
| L[3]) | 06 | M12×1.5 | 8.1 | 4.0 | 16 | 11.5 | 10 | 7.0 | 18.5 | 12 | 9 | **S06L** | 315 | 315 | 315 |
| | 08 | M14×1.5 | 10.1 | 6.0 | 16 | 11.5 | 10 | 7.0 | 18.5 | 14 | 11 | **S08L** | 315 | 315 | 315 |
| | 10 | M16×1.5 | 12.3 | 8.0 | 17 | 11.5 | 10 | 7.0 | 18.5 | 17 | 15 | **S10L** | 315 | 315 | 315 |
| | 12 | M18×1.5 | 14.3 | 10.0 | 18 | 12.0 | 10 | 7.0 | 19.0 | 19 | 19 | **S12L** | 315 | 315 | 315 |

[1]) Pressure shown = item deliverable

[2]) LL = very light series; [3]) L = light series

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

*Please add the **suffixes** below according to the material/ surface required.

| Order code suffixes | | |
|---|---|---|
| Material | Suffix surface and material | Example |
| Steel, zinc plated, chrome[6]-free | CFX | S10LCFX |
| Steel, zinc yellow plated | A3CX | S10LA3CX |
| Stainless Steel | 71X | S10L71X |