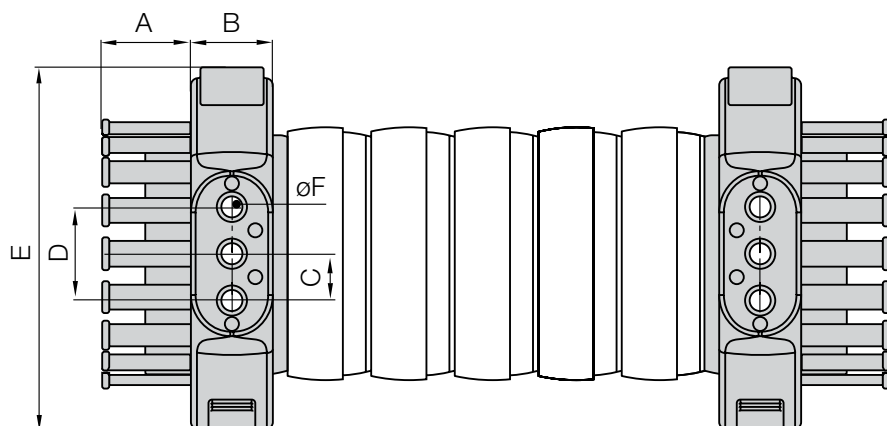


With integrated strain relief tiewrap plates
TR.40.01 / TR.100.01



- Recommended for TRC/TRE/TRCF, also compatible with TRL/TRLF
- Standard fixation onto the robot or machine, with strain relief



Standard mounting brackets - With strain relief



TR.40.01 –
TR.100.01

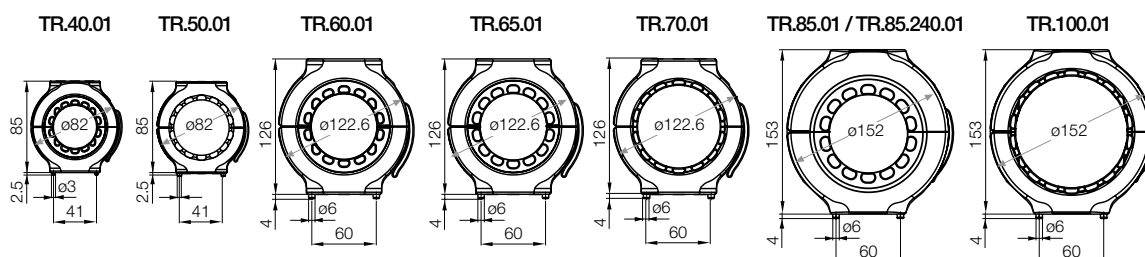
Ø Index	Part No. with strain relief	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)
30.	▶ Alternative: light mounting bracket	–	–	–	–	–	–
40.	▶ TR.40.01.M6 ^{1) 2)}	.70 (17.8)	.83 (21)	.53 (13.5)	1.06 (27)	3.33 (84.5)	.26 (6.5)
50.	▶ TR.50.01.M6 ^{1) 2)}	.83 (21)	.83 (21)	.53 (13.5)	1.06 (27)	3.33 (84.5)	.26 (6.5)
60.	▶ TR.60.01.M8 ^{1) 2)}	.98 (25)	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
65.	▶ TR.65.01.M8 ¹⁾	.98 (25)	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
65. (R 200)	▶ TR.65.200.01.M8 ^{1) 4)}	.98 (25)	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
70.	▶ TR.70.01.M8 ^{1) 2)}	.98 (25)	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
85.	▶ TR.85.01.M8 ¹⁾	1.50 (38)	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
85. (R 240)	▶ TR.85.240.01.M8 ^{1) 4)}	1.50 (38)	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
100.	▶ TR.100.01.M8 ^{1) 2)}	1.50 (38)	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
125.	▶ Alternative: standard mounting bracket without strain relief						

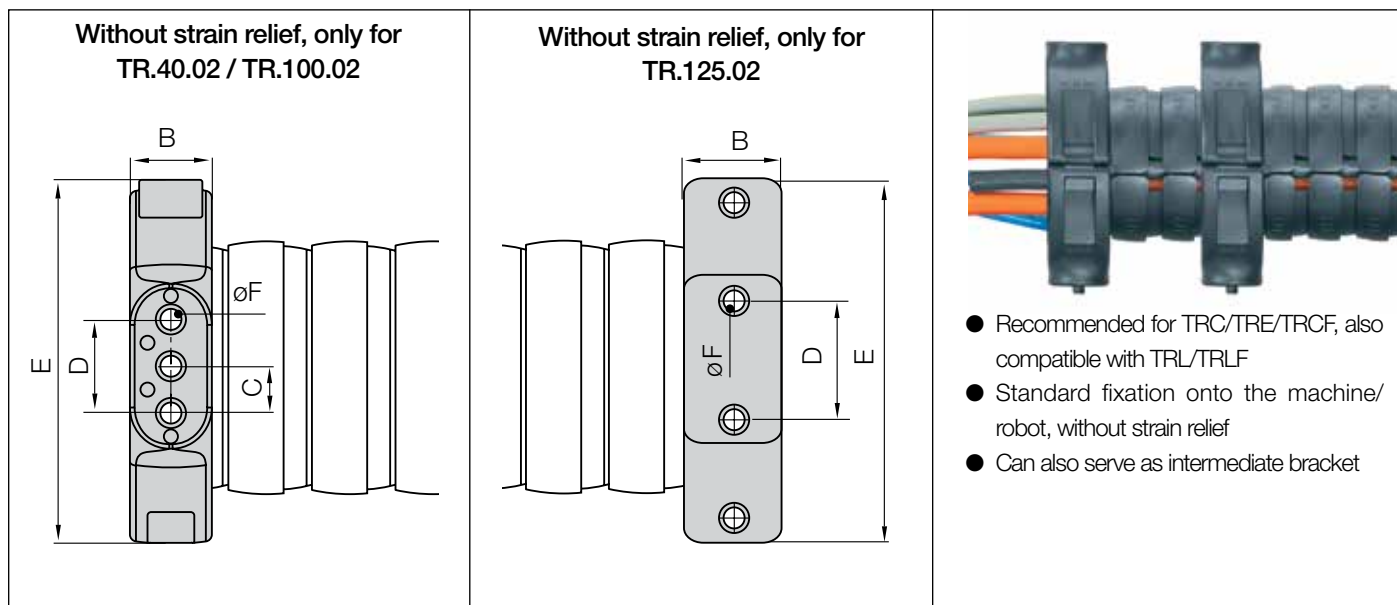
Strain relief is for use on the fixed end and/or moving end.

Standard: through holes in Ø F - 1) option: with threaded bushings, steel, M6/M8

2) ⚠ ESD version (Electro Static Discharge) available upon request. More information ▶ From page 144

4) Only for special size with larger bend radius.



Standard mounting brackets | **Without strain relief**


Standard mounting brackets - Without strain relief


TR.40.02 –
TR.100.02

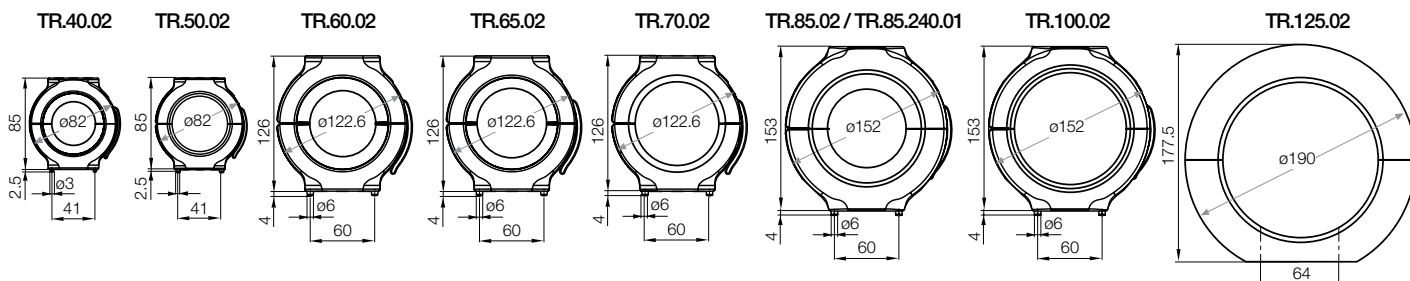

TR.125.02

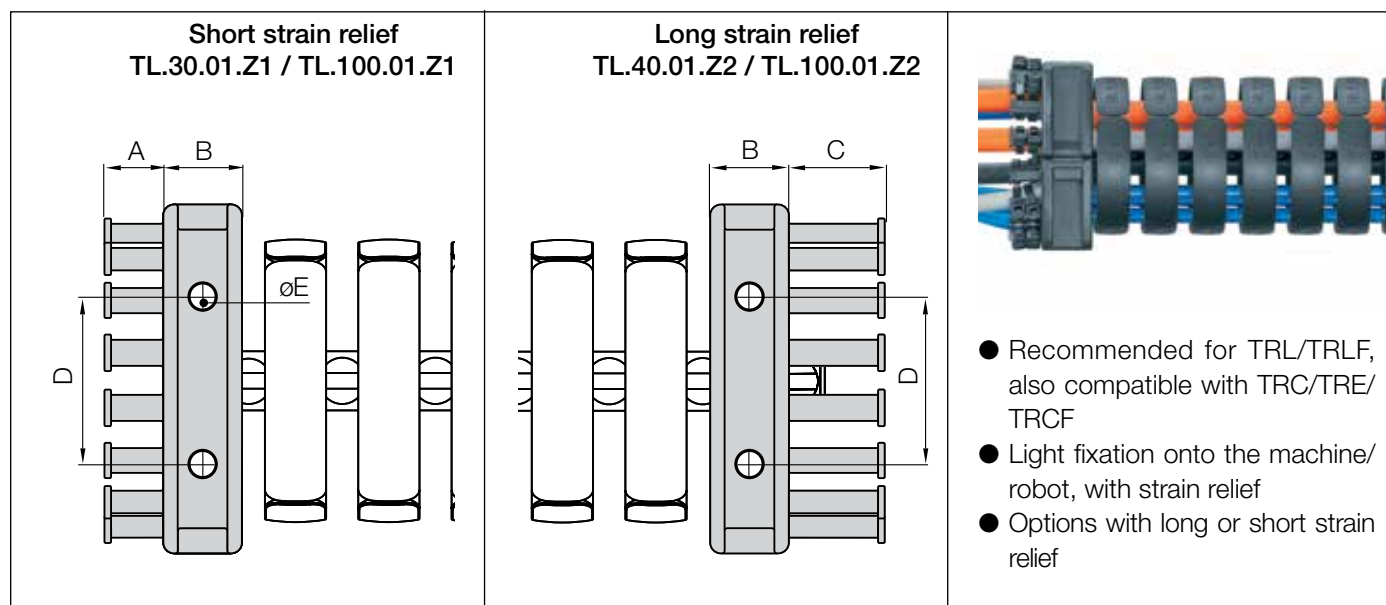
Ø Index	Part No. without strain relief or as intermediate bracket	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)
30.	► Alternative: light mounting bracket	–	–	–	–	–	–
40.	► TR.40.02.M6 ¹⁾	–	.83 (21)	.53 (13.5)	1.06 (27)	3.33 (84.5)	.26 (6.5)
50.	► TR.50.02.M6 ¹⁾	–	.83 (21)	.53 (13.5)	1.06 (27)	3.33 (84.5)	.26 (6.5)
60.	► TR.60.02.M8 ¹⁾	–	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
65.	► TR.65.02.M8 ¹⁾	–	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
65. (R 200)	► TR.65.200.02.M8 ^{1) 4)}	–	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
70.	► TR.70.02.M8 ¹⁾	–	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
85.	► TR.85.02.M8 ¹⁾	–	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
85. (R 240)	► TR.85.240.02.M8 ^{1) 4)}	–	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
100.	► TR.100.02.M8 ¹⁾	–	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
125.	► TR.125.02.M8 ¹⁾	–	1.57 (40)	–	2.52 (64)	7.48 (190)	.35 (9)

Standard: through holes in Ø F - 1) option: with threaded bushings, steel, M6/M8

2) ⚠ ESD version (Electro Static Discharge) available upon request. More information ► From page 144

4) Only for special size with larger bend radius



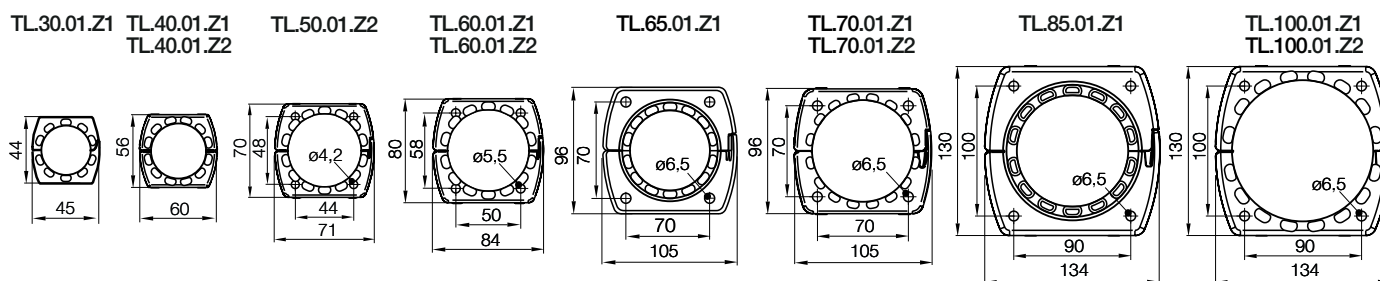


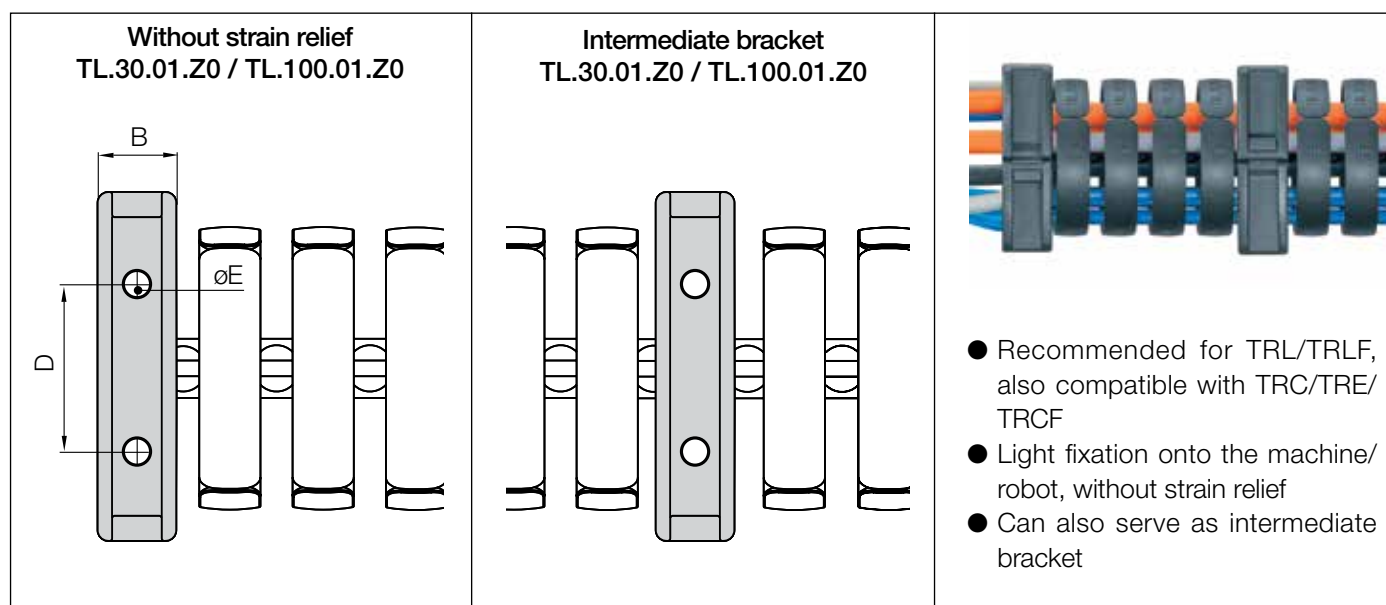
Light mounting brackets - With strain relief

TL.30.01.Z1 to
TL.100.01.Z1TL.40.01.Z2 to
TL.100.01.Z2

Ø Index	Part No. with short strain relief	Part No. with long strain relief	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)
30.	▶ TL.30.01.Z1	–	.49 (12.5)	.51 (13)	–	.94 (24)	.18 (4.5)
40.	▶ TL.40.01.Z1 ¹⁾	TL.40.01.Z2	.49 (12.5)	.55 (14)	.79 (20)	1.42 (36)	.23 (5.8)
50.	▶	TL.50.01.Z2	–	.65 (16.5)	.93 (23.5)	1.42 (36)	.23 (5.8)
60.	▶ TL.60.01.Z1 ¹⁾	TL.60.01.Z2	.67 (17)	.79 (20)	1.06 (27)	1.89 (48)	.23 (5.8)
65.	▶ TL.65.01.Z1 ¹⁾	–	.53 (13.5)	1.06 (27)	–	2.52 (64)	.26 (6.5)
65. (R 200)	▶ Alternative: standard mounting bracket	–	–	–	–	–	–
70.	▶ TL.70.01.Z1 ¹⁾	TL.70.01.Z2	.69 (17.5)	1.06 (27)	1.08 (27.5)	2.52 (64)	.26 (6.5)
85.	▶ TL.85.01.Z1	–	1.04 (26.5)	1.18 (30)	–	2.52 (64)	.26 (6.5)
85. (R 240)	▶ Alternative: standard mounting bracket	–	–	–	–	–	–
100.	▶ TL.100.01.Z ¹⁾	TL.100.01.Z2	.88 (22.5)	1.18 (30)	1.67 (42.5)	2.52 (64)	.26 (6.5)
125.	▶ Alternative: standard mounting bracket	–	–	–	–	–	–

1) For moving end (ball) suitable only for series TRL/TRLF

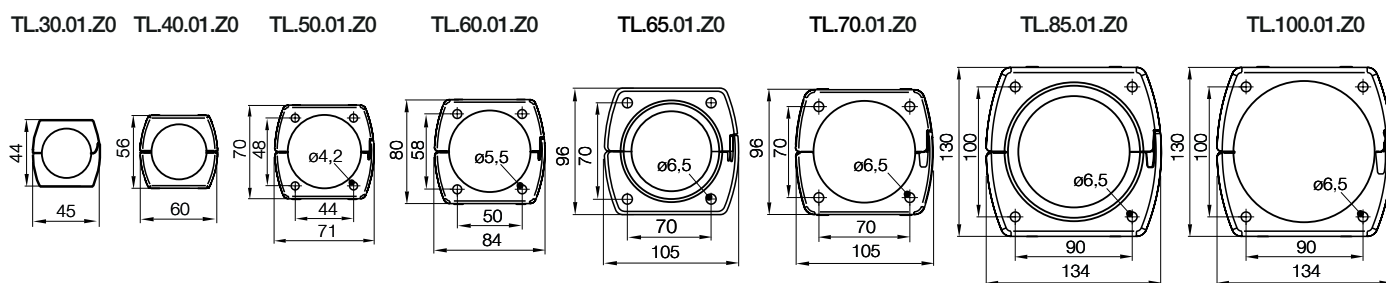


Light mounting brackets | **Without strain relief**

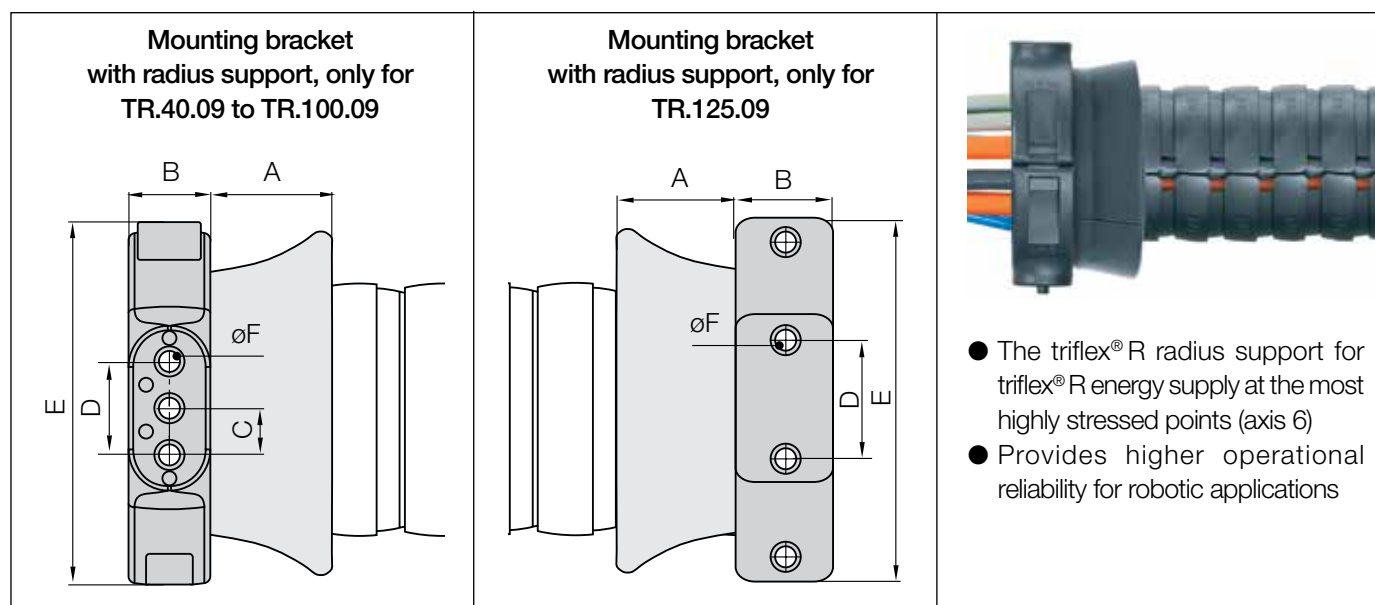
Light mounting brackets - Without strain relief

TL.30.01.Z0 to
TL.100.01.Z0

Index	Part No. without strain relief or as intermediate bracket	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)
30.	▶ TL.30.01.Z0	–	.51 (13)	–	.94 (24)	.18 (4.5)
40.	▶ TL.40.01.Z0	–	.55 (14)	–	1.42 (36)	.23 (5.8)
50.	▶ TL.50.01.Z0	–	.65 (16.5)	–	1.42 (36)	.23 (5.8)
60.	▶ TL.60.01.Z0	–	.79 (20)	–	1.89 (48)	.23 (5.8)
65.	▶ TL.65.01.Z0	–	1.06 (27)	–	2.52 (64)	.26 (6.5)
65.	▶ Alternative: standard mounting bracket	–	–	–	–	–
70.	▶ TL.70.01.Z0	–	1.06 (27)	–	2.52 (64)	.26 (6.5)
85.	▶ TL.85.01.Z0	–	1.18 (30)	–	2.52 (64)	.26 (6.5)
85. (R 240)	▶ Alternative: standard mounting bracket	–	–	–	–	–
100.	▶ TL.100.01.Z0	–	1.18 (30)	–	2.52 (64)	.26 (6.5)
125.	▶ Alternative: standard mounting bracket	–	–	–	–	–



Mounting brackets | With radius support



Mounting brackets | With radius support | For TRC·TRE·TRCF·TRL·TRLF

TR.40.09 -
TR.100.09

TR.125.09

$\emptyset$ Index	Part No. with radius support	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)
30.	► –	–	–	–	–	–	–
40.	► TR.40.09.M6 ¹⁾	1.10 (28)	.83 (21)	.53 (13.5)	1.06 (27)	3.33 (84.5)	.26 (6.5)
50.	► TR.50.09.M6 ¹⁾	1.50 (38)	.83 (21)	.53 (13.5)	1.06 (27)	3.33 (84.5)	.26 (6.5)
60.	► TR.60.09.M8 ¹⁾	1.50 (38)	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
65.	► TR.65.09.M8 ¹⁾	1.77 (45)	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
65. (R 200)	► –	–	–	–	–	–	–
70.	► TR.70.09.M8 ¹⁾	1.69 (43)	1.26 (32)	.79 (20)	1.57 (40)	4.96 (126)	.35 (9)
85.	► TR.85.09.M8 ¹⁾	1.93 (49)	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
85. (R 240)	► TR.85.240.09	3.82 (97)	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
100.	► TR.100.09.M8 ¹⁾	2.64 (67)	1.38 (35)	.79 (20)	1.57 (40)	6.10 (155)	.35 (9)
125.	► TR.125.09.M8 ¹⁾	2.83 (72)	1.57 (40)	–	2.52 (64)	7.48 (190)	.35 (9)

Standard: through holes in $\emptyset F$ -

1) option: with threaded bushings, steel, M6/M8

Gliding feed-throughs

Gliding feed-through, only for TL.30.05	Gliding feed-through, only for TR.40.05 + TR.60.85.05	Gliding feed-through, only for TR.50.05 + TR.100.05 - TR.125.05

● The gliding feed-through enables easy guidance of the e-chain® and can also be used as an additional guide
 ● Gliding feed-through with swivel bearing ► [Page 1016](#)

Gliding feed-through | For TRC·TRE·TRCF

ø	Part No.	A	B	C	D	E	F	G
Index	Gliding feed-through	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
30.	► TL.30.05	2.20 (56)	2.36 (60)	1.42 (36)	1.10 (28)	.55 (14)	1.42 (36)	.23 (5.8)
40.	► TR.40.05.M6 ¹⁾	3.35 (85)	3.33 (84.5)	1.81 (46)	1.26 (32)	.83 (21)	1.06 (27)	.26 (6.5)
50.	► TR.50.05.M6 ¹⁾	3.78 (96)	4.02 (102)	2.28 (58)	2.64 (67)	.83 (21)	1.06 (27)	.26 (6.5)
60.	► TR.60.05.M8 ¹⁾	4.96 (126)	4.96 (126)	2.76 (70)	1.97 (50)	1.26 (32)	1.57 (40)	.35 (9)
65.	► TR.65.05.M8 ¹⁾	4.96 (126)	4.96 (126)	2.95 (75)	2.95 (75)	1.26 (32)	1.57 (40)	.35 (9)
65. (R 200)	► TR.65.05.M8 ¹⁾	4.96 (126)	4.96 (126)	2.95 (75)	2.95 (75)	1.26 (32)	1.57 (40)	.35 (9)
70.	► TR.70.05.M8 ¹⁾	6.02 (153)	6.10 (155)	3.39 (86)	2.76 (70)	1.38 (35)	1.57 (40)	.35 (9)
85.	► TR.85.05.M8 ¹⁾	6.02 (153)	6.10 (155)	3.94 (100)	3.31 (84)	1.38 (35)	1.57 (40)	.35 (9)
85. (R 240)	► TR.85.05.M8 ¹⁾	6.02 (153)	6.10 (155)	3.94 (100)	3.31 (84)	1.38 (35)	1.57 (40)	.35 (9)
100.	► TR.100.05.M8 ^{1) *}	6.40 (162.5)	6.67 (169.5)	4.53 (115)	3.35 (85)	1.10 (28)	1.57 (40)	.33 (8.5)
125.	► TR.125.05.M8 ¹⁾	7.05 (179)	7.48 (190)	5.59 (142)	3.31 (84)	1.57 (40)	2.52 (64)	.35 (9)

*TR.100.05 with 3 holes
 Standard: through holes in Ø G
 1) option: with insert nuts, steel, M6/M8

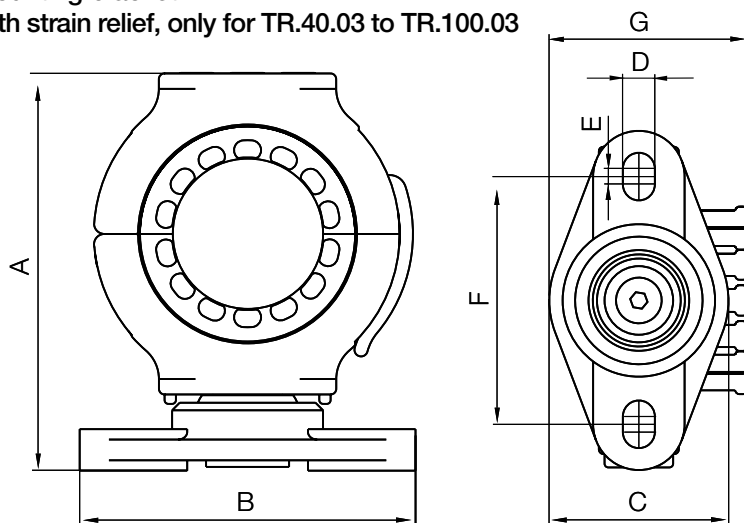

TL.30.05

**TR.40.05 +
TR.60-85.05**

**TR.50.05 +
TR.100.05 -
TR.125.05**

Swivel bearing mounting brackets | **With strain relief**

Mounting bracket
with strain relief, only for TR.40.03 to TR.100.03



- Standard mounting bracket with strain relief and maintenance-free igubal® spherical bearing
- Pivoting mounting for extreme rotating and reverse bending movements
- For TRC·TRE·TRCF·TRL·TRLF

Swivel bearing mounting brackets - With strain relief - For TRC·TRE·TRCF·TRL·TRLF



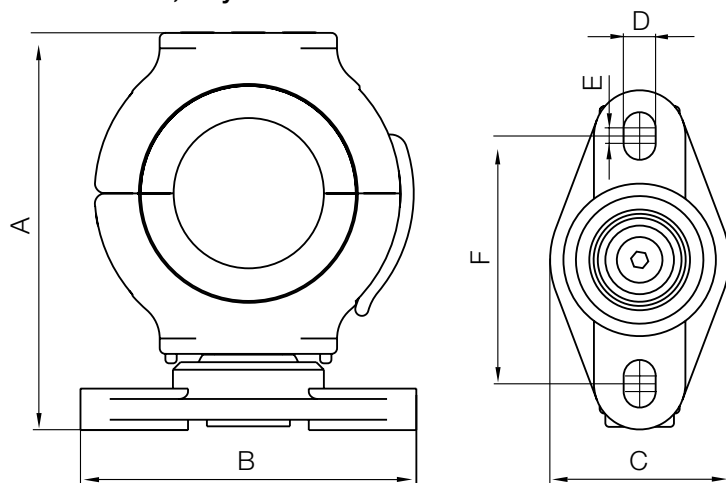
**TR.40.03 /
TR.100.03**

ø Index	Part No. with strain relief	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	G in. (mm)
30.	▶	–	–	–	–	–	–	–
40.	▶ TR.40.03	4.13 (105)	3.50 (89)	1.85 (47)	.33 (8.4)	.16 (4.1)	2.56 (65)	2.04 (51.8)
50.	▶ TR.50.03	4.13 (105)	3.50 (89)	1.85 (47)	.33 (8.4)	.16 (4.1)	2.56 (65)	2.17 (55)
60.	▶ TR.60.03	5.98 (152)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	2.89 (73.5)
65.	▶ TR.65.03	5.98 (152)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	2.89 (73.5)
65. (R 200)	▶ TR.65.200.03 ⁴⁾	5.98 (152)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	2.89 (73.5)
70.	▶ TR.70.03	5.98 (152)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	2.89 (73.5)
85.	▶ TR.85.03	7.05 (179)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	3.46 (88)
85. (R 240)	▶ TR.85.240.03 ⁴⁾	7.05 (179)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	3.46 (88)
100.	▶ TR.100.03	7.05 (179)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	3.46 (88)
125.	▶	–	–	–	–	–	–	–

4) Only for special size with larger bend radius

Swivel bearing mounting brackets | **Without strain relief**

Mounting bracket
without strain relief, only for TR.40.04 to TR.100.04



- Standard mounting bracket without strain relief and maintenance-free igubal® spherical bearing
- Pivoting mounting for extreme rotating and reverse bending movements
- For TRC·TRE·TRCF·TRL·TRLF

Swivel bearing mounting brackets - Without strain relief - For TRC·TRE·TRCF·TRL·TRLF

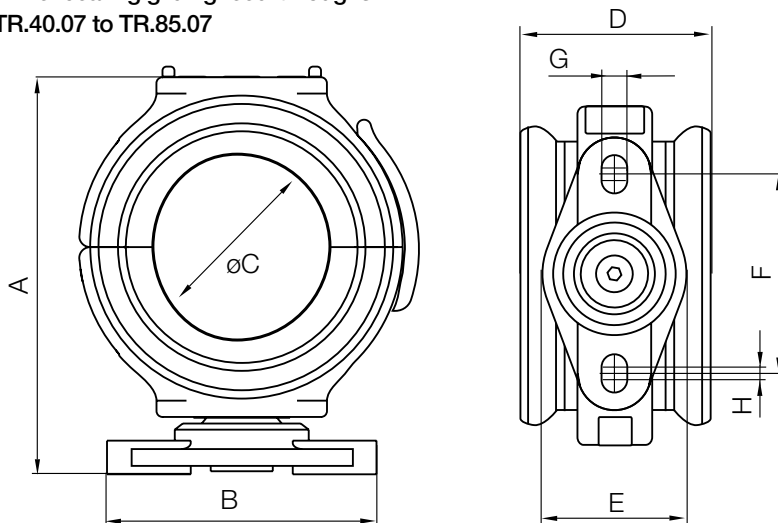


**TR.40.04 /
TR.100.04**

ø	Part No.	A	B	C	D	E	F	G
Index	without strain relief	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
30.	▶	–	–	–	–	–	–	–
40.	▶ TR.40.04	4.13 (105)	3.50 (89)	1.85 (47)	.33 (8.4)	.16 (4.1)	2.56 (65)	–
50.	▶ TR.50.04	4.13 (105)	3.50 (89)	1.85 (47)	.33 (8.4)	.16 (4.1)	2.56 (65)	–
60.	▶ TR.60.04	5.98 (152)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	–
65.	▶ TR.65.04	5.98 (152)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	–
65. (R 200)	▶ TR.65.200.04 ⁴⁾	5.98 (152)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	–
70.	▶ TR.70.04	5.98 (152)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	–
85.	▶ TR.85.04	7.05 (179)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	–
85. (R 240)	▶ TR.85.240.04 ⁴⁾	7.05 (179)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	–
100.	▶ TR.100.04	7.05 (179)	4.65 (118)	2.56 (65)	.41 (10.5)	.22 (5.5)	3.44 (87.5)	–
125.	▶	–	–	–	–	–	–	–

4) Only for special size with larger bend radius

Swivel bearing gliding feed-throughs

Swivel bearing gliding feed-throughs
TR.40.07 to TR.85.07

- Gliding feed-through with swivel bearing
- For TRC·TRE·TRCF e-chains®
- Pivoting mounting with maintenance-free igubal® spherical bearings

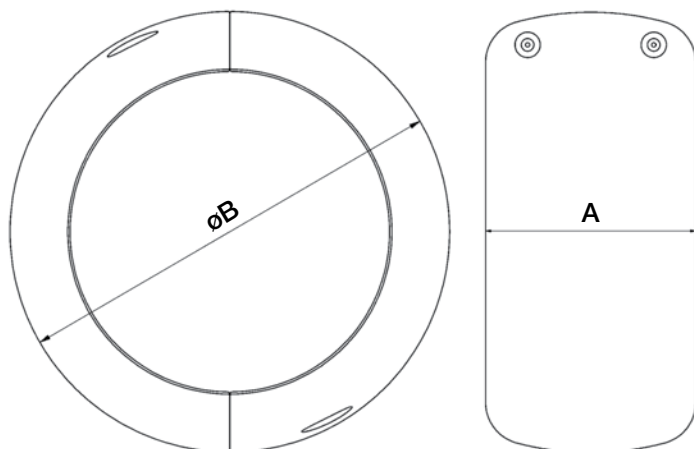
Swivel bearing gliding feed-throughs - For TRC·TRE·TRCF



ø Index	Part No. with swivel bearing	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	G in. (mm)
30.	► -	-	-	-	-	-	-	-
40.	► TR.40.07	4.25 (108)	3.50 (89)	1.81 (46)	1.26 (32)	1.85 (47)	2.56 (65)	.33 (8.4)
50.	► TR.50.07	4.69 (119)	3.50 (89)	2.28 (58)	2.64 (67)	1.85 (47)	2.56 (65)	.33 (8.4)
60.	► TR.60.07	6.14 (156)	4.65 (118)	2.76 (70)	1.97 (50)	2.56 (65)	3.44 (87.5)	.41 (10.5)
65.	► TR.65.07	6.14 (156)	4.65 (118)	2.95 (75)	2.95 (75)	2.56 (65)	3.44 (87.5)	.41 (10.5)
65. (R 200)	► TR.65.07	6.14 (156)	4.65 (118)	2.95 (75)	2.95 (75)	2.56 (65)	3.44 (87.5)	.41 (10.5)
70.	► TR.70.07	7.20 (183)	4.65 (118)	3.39 (86)	2.76 (70)	2.56 (65)	3.44 (87.5)	.41 (10.5)
85.	► TR.85.07	7.20 (183)	4.65 (118)	3.94 (100)	3.31 (84)	2.56 (65)	3.44 (87.5)	.41 (10.5)
85. (R 240)	► TR.85.07	7.20 (183)	4.65 (118)	3.94 (100)	3.31 (84)	2.56 (65)	3.44 (87.5)	.41 (10.5)
100.	► TR.100.07	7.44 (189)	4.65 (118)	4.53 (115)	3.35 (85)	3.11 (79)	3.44 (87.5)	.41 (10.5)
125.	► -	-	-	-	-	-	-	-

Protectors

Protector
TR.XX.10 to TR.XX.30



- Optional protectors can be fitted at contact points
- For extreme operations and long service life
- Easy gliding over edges
- Damping, light, freely positionable
- Easy to fit and quick replacement
- Protector with quick-release fastener also available

Protectors - For TRC·TRE·TRCF



TR.40.10 to
TR.125.10



TR.40.30 to
TR.100.30

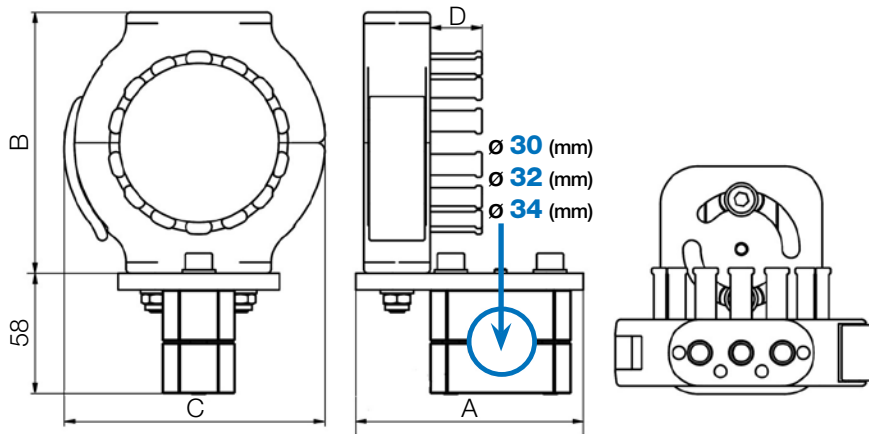
$\varnothing$ Index	Part No. with screw connection	Part No. with quick release	A in. (mm)	B in. (mm)
30.	► TR.30.10	–	.87 (22)	1.85 (47)
40.	► TR.40.10	TR.40.30 ²⁾	1.06 (27)	2.17 (55)
50.	► TR.50.10	TR.50.30 ²⁾	1.34 (34)	2.72 (69)
60.	► TR.60.10	TR.60.30 ²⁾	1.57 (40)	3.15 (80)
65.	► TR.65.10	TR.65.30 ²⁾	1.73 (44)	3.46 (88)
65. (R 200)	► –	–	1.73 (44)	3.46 (88)
70.	► TR.70.10	TR.70.30	1.97 (50)	4.02 (102)
85.	► TR.85.10	TR.85.30	2.32 (59)	4.65 (118)
85. (R 240)	► TR.85.240.10 ⁴⁾	–	2.48 (63)	4.72 (120)
100.	► TR.100.10	TR.100.30	2.64 (67)	5.24 (133)
125.	► TR.125.10	–	3.23 (82)	6.69 (170)

2) Without an additional locking clip - a safety clip is used from size 70

4) Only for special size with larger bend radius

Compact connections for clamp axis 6 | **With strain relief**

Compact connection - **With strain relief**
 TR.40.21.01.XX to TR.100.21.01.XX



- With integrated strain relief tie-wrap plates
- Safe and simple securing of the cables with cable ties
- Various adjustment options

Compact connections - With strain relief - For TRC-TRE-TRCF



TR.40.21.01.XX to
 TR.100.21.01.XX

Ø Index	Part No. with strain relief	Clamp diameter Ø (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)
30.	► –	–	–	–	–	–
40.	► TR.40.21.01. ²⁾	30 32 34	4.33 (110)	3.35 (85)	3.33 (84.5)	.70 (17.8)
50.	► TR.50.21.01. ²⁾	30 32 34	4.33 (110)	3.35 (85)	3.33 (84.5)	.83 (21)
60.	► TR.60.21.01. ²⁾	30 32 34	4.33 (110)	4.96 (126)	4.96 (126)	.98 (25)
65.	► TR.65.21.01.	30 32 34	4.33 (110)	4.96 (126)	4.96 (126)	.98 (25)
65. (R 200)	► TR.65.200.21.01. ⁴⁾	30 32 34	4.33 (110)	4.96 (126)	4.96 (126)	.98 (25)
70.	► TR.70.21.01. ²⁾	30 32 34	4.33 (110)	4.96 (126)	4.96 (126)	.98 (25)
85.	► TR.85.21.01.	30 32 34	4.33 (110)	6.02 (153)	6.10 (155)	1.50 (38)
85. (R 240)	► TR.85.240.21.01. ⁴⁾	30 32 34	4.33 (110)	6.02 (153)	6.10 (155)	1.50 (38)
100.	► TR.100.21.01. ²⁾	30 32 34	4.33 (110)	6.02 (153)	6.10 (155)	1.50 (38)
125.	► –	–	–	–	–	–

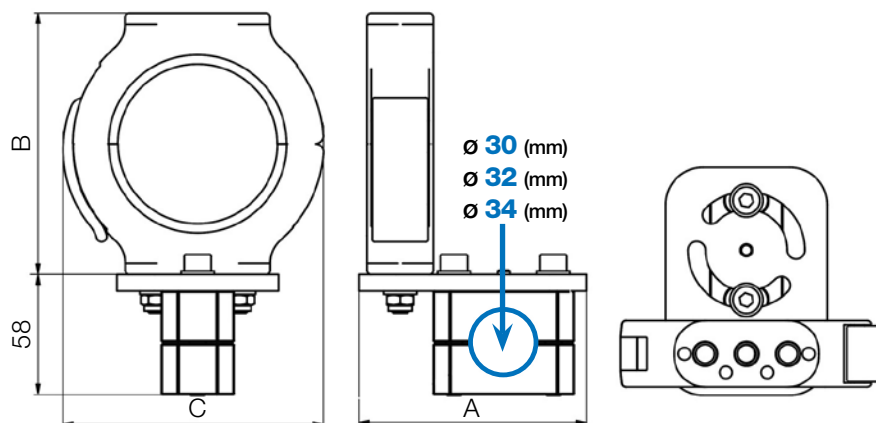
Standard clamp for axis 6: Ø (30mm) 1.18"

4) Only for special size with larger bend radius

Part No. with desired diameter for the axis 6 clamp | 30 | 32 | 34 | e.g. TR.100.21.30

Compact connections for clamp axis 6 | **Without** strain relief

Compact connection - **Without** strain relief
TR.40.21.02.XX to TR.100.21.02.XX



- Without strain relief
- Space-saving
- Various adjustment options

Compact connections - Without strain relief - For TRC-TRE-TRCF



TR.40.21.02.XX to
TR.100.21.02.XX

Ø Index	Part No. without strain relief	Clamp diameter Ø (mm)	A in. (mm)	B in. (mm)	C in. (mm)
30.	► –	–	–	–	–
40.	► TR.40.21.02. ²⁾	30 32 34	4.33 (110)	3.35 (85)	3.33 (84.5)
50.	► TR.50.21.02. ²⁾	30 32 34	4.33 (110)	3.35 (85)	3.33 (84.5)
60.	► TR.60.21.02. ²⁾	30 32 34	4.33 (110)	4.96 (126)	4.96 (126)
65.	► TR.65.21.02.	30 32 34	4.33 (110)	4.96 (126)	4.96 (126)
65. (R 200)	► TR.65.200.21.02.	30 32 34	4.33 (110)	4.96 (126)	4.96 (126)
70.	► TR.70.21.02. ²⁾	30 32 34	4.33 (110)	6.02 (153)	6.10 (155)
85.	► TR.85.21.02.	30 32 34	4.33 (110)	6.02 (153)	6.10 (155)
85. (R 240)	► TR.85.240.21.02. ⁴⁾	30 32 34	4.33 (110)	6.02 (153)	6.10 (155)
100.	► TR.100.21.02. ²⁾	30 32 34	4.33 (110)	6.02 (153)	6.10 (155)
125.	► –	–	–	–	–

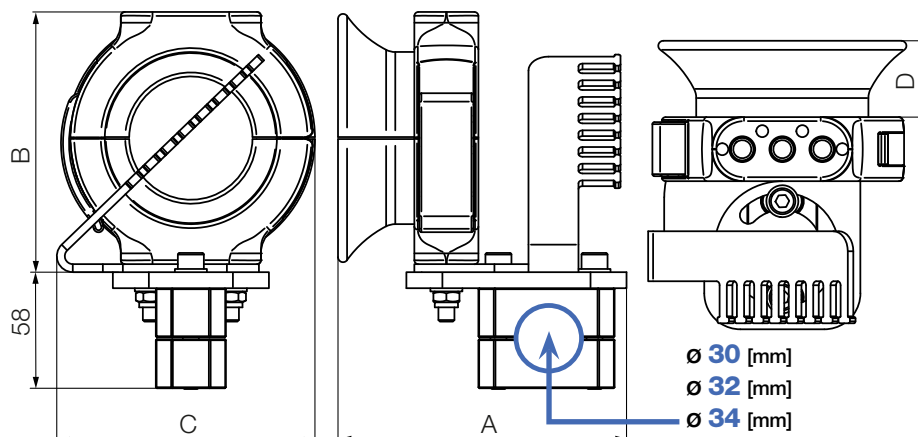
Standard clamp for axis 6: Ø (30mm) 1.18"

4) Only for special size with larger bend radius

Part No. with desired diameter for the axis 6 clamp | 30 | 32 | 34 | e.g. TR.100.21.02.30

Compact connections for clamp axis 6

Compact connection with radius support and strain relief
TR.40.21.09.XX - TR.100.21.09.XX



- With integrated strain relief tiewrap plates
- Radius support for higher operational reliability
- Safe and simple securing of the cables with cable ties
- Various adjustment option

Compact connections, with radius support and strain relief - For TRC·TRE·TRCF



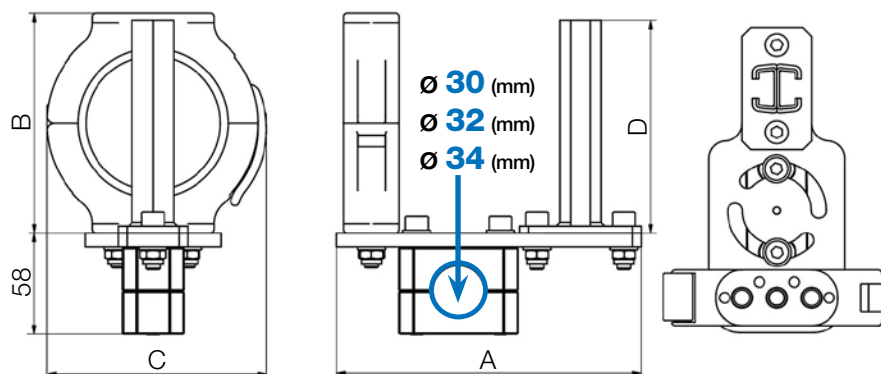
TR.40.21.09.XX to
TR.100.21.09.XX

Index	Part No. standard	Clamp diameter $\varnothing$ (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)
30.	► -	-	-	-	-	-
40.	► TR.40.21.09.	30 32 34	5.28 (134)	3.35 (85)	3.31 (84)	1.10 (28)
50.	► TR.50.21.09.	30 32 34	5.67 (144)	3.35 (85)	3.33 (84.5)	1.50 (38)
60.	► TR.60.21.09.	30 32 34	5.67 (144)	5.12 (130)	5.08 (129)	1.50 (38)
65.	► TR.65.21.09.	30 32 34	5.94 (151)	5.12 (130)	5.12 (130)	1.77 (45)
65. (R 200)	► -	-	-	-	-	-
70.	► TR.70.21.09.	-	5.87 (149)	5.12 (130)	5.12 (130)	1.69 (43)
85.	► TR.85.21.09.	-	6.18 (157)	6.18 (157)	6.10 (155)	1.93 (49)
85. (R 240)	► -	-	-	-	-	-
100.	► TR.100.21.09.	30 32 34	6.85 (174)	6.61 (168)	6.89 (175)	2.64 (67)
125.	► -	-	-	-	-	-

Standard clamp for axis 6: $\varnothing$ (30mm) 1.18"

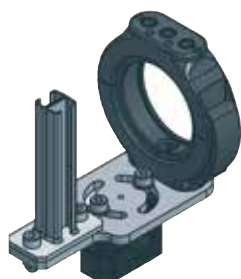
Part No. with desired diameter for the axis 6 clamp | 30 | 32 | 34 | e.g. TR.100.21.09.30

Heavy-duty connections for axis 6

Heavy duty connections - Standard
TR.60.20.XX to TR.125.20.XX

- Heavy duty connection - standard
- For cables with large cross section
- For heavy hydraulic hoses
- Double C-profile for CFX clamps
- igus® chainfix clamps must be ordered separately

Heavy duty connections - For TRC·TRE·TRCF

TR.60.20.XX to
TR.125.20.XX

Ø Index	Part No. standard	Clamp diameter Ø (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)
30.	▶ --	--	--	--	--	--
40.	▶ --	--	--	--	--	--
50.	▶ --	--	--	--	--	--
60.	▶ TR.60.20.	30 32 34	6.89 (175)	4.96 (126)	4.96 (126)	4.80 (122)
65.	▶ TR.65.20.	30 32 34	6.89 (175)	4.96 (126)	4.96 (126)	4.80 (122)
65. (R 240)	▶ TR.65.200.20. ⁴⁾	30 32 34	6.89 (175)	4.96 (126)	4.96 (126)	4.80 (122)
70.	▶ TR.70.20.	30 32 34	6.89 (175)	4.96 (126)	4.96 (126)	4.80 (122)
85.	▶ TR.85.20.	30 32 34	6.89 (175)	6.02 (153)	6.10 (155)	5.87 (149)
85. (R 240)	▶ TR.85.240.20. ⁴⁾	30 32 34	6.89 (175)	6.02 (153)	6.10 (155)	5.87 (149)
100.	▶ TR.100.20.	30 32 34	6.89 (175)	6.02 (153)	6.10 (155)	5.87 (149)
125.	▶ TR.125.20.	30 32 34	7.09 (180)	7.48 (190)	7.48 (190)	6.89 (175)

Standard clamp for axis 6: Ø (30mm) 1.18"

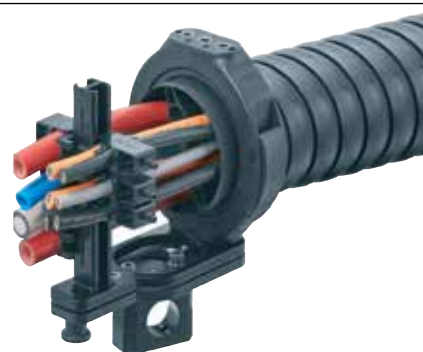
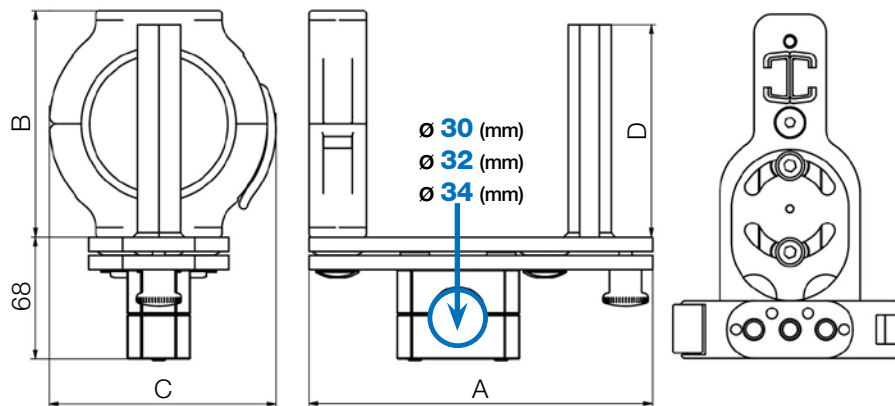
⁴⁾ Only for special size with larger bend radius

Part No. with desired diameter for the axis 6 clamp | 30 | 32 | 34 | e.g. TR.100.20.30

Quick exchange kit for clamp axis 6

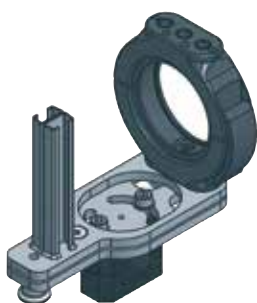
Quick exchange kit

TR.60.22.XX to TR.100.22.XX



- Exchange in seconds
- No repeat alignment required
- Exchange the triflex®R unit incl. cables without tools
- Option available with strain relief

Quick exchange kit - For TRC-TRE-TRCF

TR.60.22.XX to
TR.100.22.XX

Ø Index	Part No. quick change unit	Clamp diameter Ø (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)
30.	► -	-	-	-	-	-
40.	► -	-	-	-	-	-
50.	► -	-	-	-	-	-
60.	► TR.60.22.	30 32 34	7.52 (191)	4.96 (126)	4.96 (126)	4.96 (126)
65.	► TR.65.22.	30 32 34	7.52 (191)	4.96 (126)	4.96 (126)	4.96 (126)
65.	TR.65.200.22. ⁴⁾	30 32 34	7.52 (191)	4.96 (126)	4.96 (126)	4.96 (126)
70.	► TR.70.22.	30 32 34	7.52 (191)	4.96 (126)	4.96 (126)	4.96 (126)
85.	► TR.85.22.	30 32 34	7.52 (191)	6.02 (153)	6.10 (155)	6.02 (153)
85. (R 240)	► TR.85.240.22. ⁴⁾	30 32 34	7.52 (191)	6.02 (153)	6.10 (155)	6.02 (153)
100.	► TR.100.22.	30 32 34	7.52 (191)	6.02 (153)	6.10 (155)	6.02 (153)
125.	► -	-	-	-	-	-

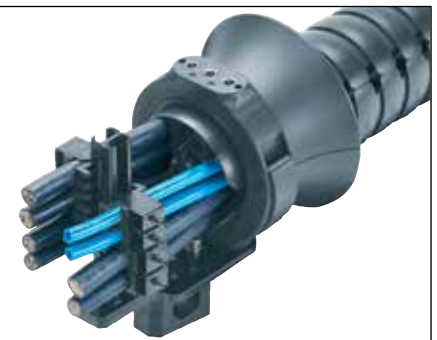
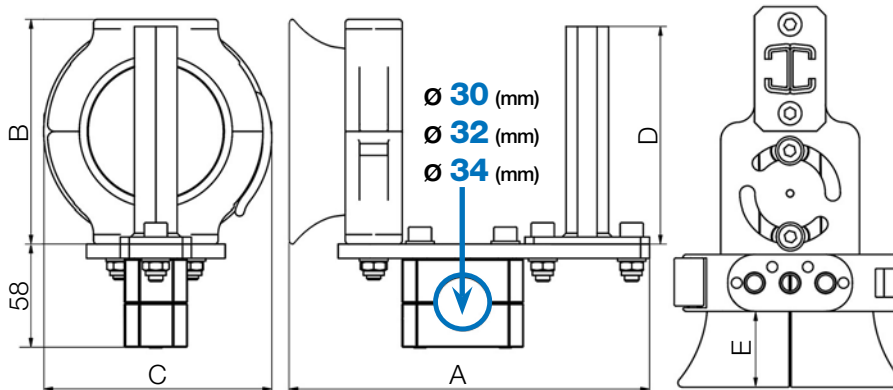
Standard clamp for axis 6: Ø (30mm) 1.18"

⁴⁾ Only for special size with larger bend radius

Part No. with desired diameter for the axis 6 clamp | 30 | 32 | 34 | e.g. TR.100.22-30

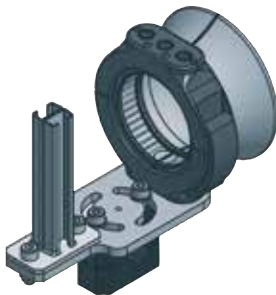
Heavy-duty connections for axis 6 | With radius support

Heavy duty connections - With radius support
TR.60.23.XX to TR.125.23.XX



- With radius support
- For cables with large cross section
- For heavy hydraulic hoses
- Double C-profile for CFX clamps
- igus® chainfix clamps must be ordered separately. Protector with quick-release fastener also available

Heavy duty connections - With radius support - For TRC·TRE·TRCF



TR.60.23.XX to
TR.125.23.XX

Ø Index	Part No. with radius support	Clamp diameter Ø (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)
30.	▶ –	–	–	–	–	–	–
40.	▶ –	–	–	–	–	–	–
50.	▶ –	–	–	–	–	–	–
60.	▶ TR.60.23.	30 32 34	8.23 (209)	4.96 (126)	5.12 (130)	4.80 (122)	1.50 (38)
65.	▶ TR.65.23.	30 32 34	8.43 (214)	4.96 (126)	5.12 (130)	4.80 (122)	1.77 (45)
65. (R 200)	▶ –	–	–	–	–	–	–
70.	▶ TR.70.23.	30 32 34	8.43 (214)	4.96 (126)	5.12 (130)	4.80 (122)	1.69 (43)
85.	▶ TR.85.23.	30 32 34	8.74 (222)	6.10 (155)	6.10 (155)	5.87 (149)	1.93 (49)
85. (R 240)	▶ –	–	–	–	–	–	–
100.	▶ TR.100.23.	30 32 34	9.45 (240)	6.10 (155)	6.10 (155)	5.87 (149)	2.64 (67)
125.	▶ TR.125.23.	30 32 34	9.92 (252)	7.48 (190)	7.48 (190)	6.89 (175)	2.83 (72)

Standard clamp for axis 6: Ø (30mm) 1.18"

Part No. with desired diameter for the axis 6 clamp | 30 | 32 | 34 | e.g. TR.100.20.30

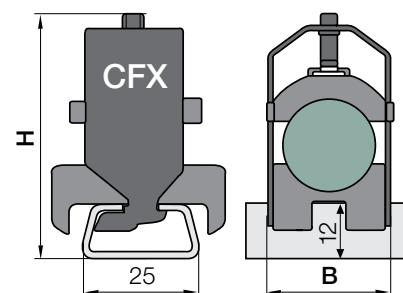
chainfix clamps

chainfix - Single clamp including bottom saddles

- For use with heavy-duty connection
TR.XX.20 / TR.XX.23 and quick release unit TR.XX.22
- Reliably absorbs tensile forces even for larger cable diameters
- Specifically recommended for solid welding cables and rigid hydraulic hoses
- Space- and time-saving assembly onto the profile rail
- Simple assembly with hex head set screw
- High strength for dynamic applications with improved stacker elements
- Built-in ribs on the stacker elements give secure grip on the cables
- Steel (material galvanized steel) or stainless steel (material 1.4301/AISI 304) available

Part No. steel	Part No. stainless steel*	≤ Ø in. (mm)	B*2 in. (mm)	H in. (mm)
CFX12-1	CFX12-1-E	.24 - .47 (06 - 12)	.63 (16)	1.57 (40)
CFX14-1	CFX14-1-E	.47 - .55 (12 - 14)	.71 (18)	1.97 (50)
CFX16-1	CFX16-1-E	.55 - .63 (14 - 16)	.79 (20)	2.05 (52)
CFX18-1	CFX18-1-E	.63 - .71 (16 - 18)	.87 (22)	2.13 (54)
CFX20-1	CFX20-1-E	.71 - .79 (18 - 20)	.94 (24)	2.20 (56)
CFX22-1	CFX22-1-E	.79 - .87 (20 - 22)	1.02 (26)	2.28 (58)
CFX26-1	CFX26-1-E	.87 - 1.02 (22 - 26)	1.18 (30)	2.64 (67)
CFX30-1	CFX30-1-E	1.02 - 1.18 (26 - 30)	1.34 (34)	2.80 (71)
CFX34-1	CFX34-1-E	1.18 - 1.34 (30 - 34)	1.50 (38)	2.95 (75)

*Stainless steel material: 1.4301/AISI 304



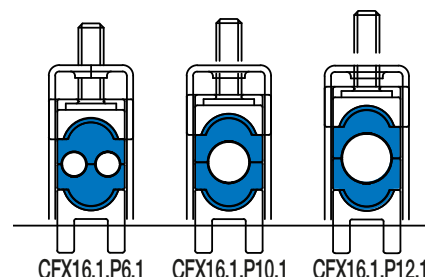
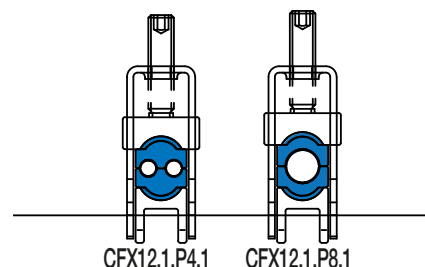
Pneumatic stacker saddles | For CFX and CFXL clamps

- Strain relief of pneumatic hoses without crushing or damage
- For pneumatic hose diameters of 4mm, 6mm, 8mm, 10mm and 12mm
- High holding force due to "all-round" grip
- The cross section of pneumatic hoses is fully retained
- No crushing of the hoses, and therefore no loss of hose length
- Colored identification markings, inserts are blue
- Fast assembly without checking the tightening torque

Part No.			≤ Ø in. (mm)
CFX12	CDA.4 / 4-12.P	CDA.8 / 12.P	
CFX12.1.P4.1	2 x	—	.16 (04)
CFX12.1.P8.1	—	2 x	.31 (08)

Part No.				≤ Ø in. (mm)
CFX16	CDA.6 / 6-16.P	CDA.10-16.P	CDA.12-16.P	
CFX16.1.P6.1	2 x	—	—	.24 (06)
CFX16.1.P10.1	—	2 x	—	.39 (10)
CFX16.1.P12.1	—	—	2 x	.47 (12)

Standard material: galvanized steel. For the stainless steel version (material 1.4301/AISI 304), please add the part number with index .E



Protective sleeves

Standard protective sleeve



- Base support: fabric
- Plastic coated
- Easy to replace with Velcro fastenings
- Elastic sealing strips
- Standard lengths available from stock
- For paint or sealing applications
- PVC material
- Polyester coated fabrics

ø Index	Part No. sleeve	Standard lengths ²⁾ XXXX (mm)
30.	▶ –	–
40.	▶ TR.40.14.	500 1000 1500 2000
50.	▶ TR.50.14.	500 1000 1500 2000
60.	▶ TR.60.14.	500 1000 1500 2000
65.	▶ TR.65.14.	500 1000 1500 2000
70.	▶ TR.70.14.	500 1000 1500 2000
85.	▶ TR.85.14.	500 1000 1500 2000
100.	▶ TR.100.14.	500 1000 1500 2000
125.	▶ TR.125.14.	500 1000 1500 2000

2) Special lengths upon request

Part No. with the desired standard value for the length **XXXX**

Example: **TR.60.14.500**

Heat shield protective sleeve



- Made from heat resistant, wear-resistant Kevlar
- Short-term protection against welding and metal spatter, temperatures up to 540°C
- High abrasion resistance
- Sealed design
- For tough environments
- Easy to replace or retrofit with zipper closure
- Velcro straps at each end
- Tough design Silicone-free
- Asbestos-free
- Standard lengths from stock

ø Index	Part No. sleeve	Standard lengths ²⁾ XXXX (mm)
30.	▶ –	–
40.	▶ TR.40.18.	500 1000 1500 2000
50.	▶ TR.50.18.	500 1000 1500 2000
60.	▶ TR.60.18.	500 1000 1500 2000
65.	▶ TR.65.18.	500 1000 1500 2000
70.	▶ TR.70.18.	500 1000 1500 2000
85.	▶ TR.85.18.	500 1000 1500 2000
100.	▶ TR.100.18.	500 1000 1500 2000
125.	▶ TR.125.18.	500 1000 1500 2000

2) Special lengths upon request

Part No. with the desired standard value for the length **XXXX**

Example: **TR.60.18.500**

Wear resistant protective sleeve



- Extremely high abrasion resistance
- Black leather
- For use in temperatures from -40°F to +212°F (-40°C to +100°C)
- Very Flexible
- Easy to exchange or retrofit
- Silicone-free
- Asbestos-free
- Standard lengths from stock

ø Index	Part No. sleeve	Standard lengths ²⁾ XXXX (mm)
30.	▶ –	–
40.	▶ TR.40.19.	500 1000 1500 2000
50.	▶ TR.50.19.	500 1000 1500 2000
60.	▶ TR.60.19.	500 1000 1500 2000
65.	▶ TR.65.19.	500 1000 1500 2000
70.	▶ TR.70.19.	500 1000 1500 2000
85.	▶ TR.85.19.	500 1000 1500 2000
100.	▶ TR.100.19.	500 1000 1500 2000
125.	▶ TR.125.19.	500 1000 1500 2000

2) Special lengths upon request

Part No. with the desired standard value for the length **XXXX**

Example: **TR.60.19.500**