

triflex® R TRE

TRE - "easy" design - simply press cables in

High tensile strength thanks to special ball and socket design

Defined torsion stop, allows free movement in any direction but still protects the cables

"Easy" design for fast filling with cables and hoses

Simple tool for fast disassembly of the triflex® B versions

High strength - thanks to external stop-dogs

Small bend radii and short pitch


Easy attachment and special accessories for the robot or machine


Easy to fill - simply press cables in - TRE

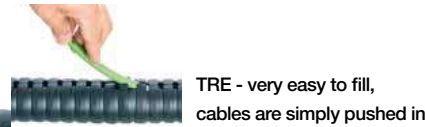
- Easy to fill energy supply for multi-axis movements
- High torsion resistance
- Easy to lengthen and shorten
- **B version** - 4x increase in radial stability, allows larger torsion forces
- **C version and TRE.125** - fast assembly due to pin connection and spherical igubal® joint allowing 50% higher tensile forces

Typical industries and applications

- Robotics and automation
- Spot welding and pick and place applications
- When fast cable replacement is required

 Electrically conductive ESD e-chains® upon request

 Save time - easy disassembly tool available for triflex® R



 Available from stock. Ready to ship in 24 - 48hrs.*
*Average time before the ordered goods are dispatched.

Product range

Robotic applications, easy filling



e-chains® | Series TRE | "easy" design - simply press cables in

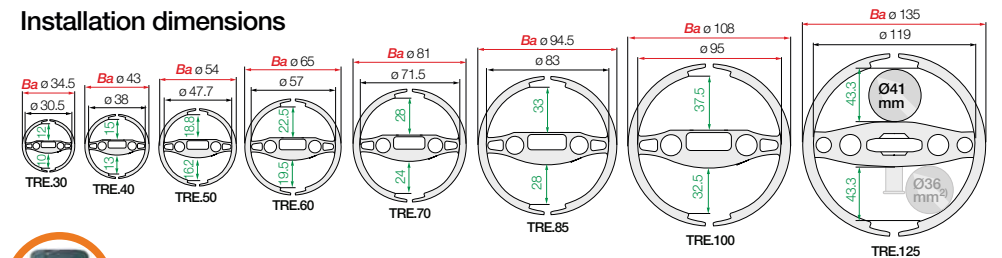
Part No.	Bi1	Bi2	Ba	R	d1	d2	Pitch	Links per m	Weight [kg/m]
TRE.30 050.0.B	12	10	34.5	050	10	8	11.3	89	≈ 0.26
TRE.40 058.0.B	15	13	43	058	13	11	13.9	72	≈ 0.36
TRE.50 080.0.B	18.8	16.2	54	080	16.5	14	17.4	58	≈ 0.56
TRE.60 087.0.B	22.5	19.5	65	087	20.5	17.5	20.4	49	≈ 0.83
TRE.70 110.0.B	28	24	81	110	26	22	25.6	39	≈ 1.30
TRE.85 135.0.B	33	28	94.5	135	31	26	30.6	33	≈ 1.67
TRE.100 145.0.B / C ¹⁾	37.5	32.5	108	145	35.5	30.5	34.5	29	≈ 2.35
TRE.125 182.0	433.	433.	135	182	41	41 ²⁾	44.1	23	≈ 4.40

B-Series = 4-x higher torsion forces C-Series = quick assembly, 50% higher forces

1) Available as C-Version Part No. **TRE.100.145.0.C**

2) TRE.125: max. cable diameter Ø 41mm. Max. cable diameter changes to Ø 36mm when an already populated e-chain needs to be shortened or lengthened.TRE.LOCK

Installation dimensions



TRE.LOCK clips

Clips for a secure fit in the mounting bracket. Supplied with every mounting bracket. Please use the Part No. on the right for reordering individual parts.

Part No.	Size [mm]	Part No.	Size [mm]
MAT0072125	30/40	MAT0072127	100
MAT0074101	50/60	MAT0072128	125
MAT0072126	70/85		