

triflex® R TRC

TRC - enclosed, chip-repellent design

High tensile strength thanks to special ball and socket design

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

Impact-resistant, abrasion resistant and dirt-resistant

Easy assembly and disassembly

High strength - thanks to external stop-dogs

Small bend radii and short pitch

Easy attachment and special accessories for the robot or machine

Closed and chip-repellent - TRC

- Secure, closed and chip-repellent energy supply for multi-axis movements
- Smooth, robust exterior avoids snagging
- High torsion resistance
- Easy to lengthen and shorten

Typical industries and applications

- Robotics and automation
- Multi-axis machine tools
- Wet and cold cells
- Painting applications and ESD
- Sand and dust exposure



Electrically conductive ESD e-chains® - several series available from stock



iF product design award
2004 igus® series TRC



Available from stock. Ready to ship in 24 - 48hrs.*

*Average time before the ordered goods are dispatched.

More information ► www.igus.eu/TRC



Product range

Robotic applications, closed, chip-repellent



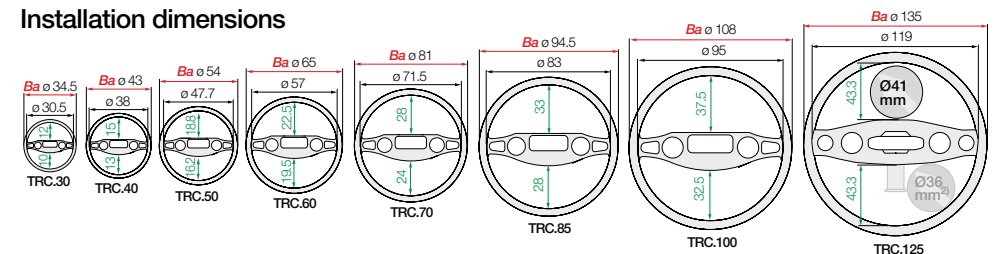
e-tubes | Series TRC | Totally enclosed, non-openable

Part No.	Bi1	Bi2	Ba	R	d1	d2	Pitch	Links per m	Weight [kg/m]
e-tubes	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
TRC.30.050.0	12	10	34.5	050	10	8	11.3	89	≈ 0.27
TRC.40.058.0 [▲]	15	13	43	058	13	11	13.9	72	≈ 0.37
TRC.50.080.0	18.8	16.2	54	080	16.5	14	17.4	58	≈ 0.59
TRC.60.087.0 [▲]	22.5	19.5	65	087	20.5	17.5	20.4	49	≈ 0.85
TRC.70.110.0 [▲]	28	24	81	110	26	22	25.6	39	≈ 1.32
TRC.85.135.0	33	28	94.5	135	31	26	30.6	33	≈ 1.75
TRC.100.145.0	37.5	32.5	108	145	35.5	30.5	34.5	29	≈ 2.38
TRC.125.182.0	43.3	43.3	135	182	41	41 ¹⁾	44.1	23	≈ 4.70

▲ ESD version (Electro Static Discharge) available from stock. More information ► www.igus.eu/esd

1) 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

Installation dimensions



ESD - many sizes from stock

- Standardised product made from igumid® ESD
- ESD material tested with over 10 million cycles for highest requirements
- Short delivery times including mounting brackets and interior separation; 24hrs, from stock

More information ► www.igus.eu/esd

