

Technical data

Profiles and accessories

All the loading values stated in this catalogue incorporate safety factors to protect against slipping and material failure. A safety factor of >2 is always applied. This means that users can make full use of the permissible values.

Note: All loading values apply to static loads. Where dynamic loads are involved, the maximum values should be viewed as comparative values.

Extruded Profile

Symbol Al Mg Si 0.5 F 25
 Material number 3.3206.72
 Status: artificially aged

Mechanical values (apply only in pressing direction)

Tensile strength R _m	min. 245 N/mm ²
Yield point R _{p0.2}	min. 195 N/mm ²
Density	2.7 kg/dm ³
Ductile yield A ₅	min. 10 %
Ductile yield A ₁₀	min. 8 %
Linear coefficient of expansion	23.6x10 ⁻⁶ 1/K
Modulus of elasticity E	approx. 70000 N/mm ²
Modulus of rigidity G	approx. 25000 N/mm ²
Hardness	approx. 75 HB-2.5/187.5

Tolerances

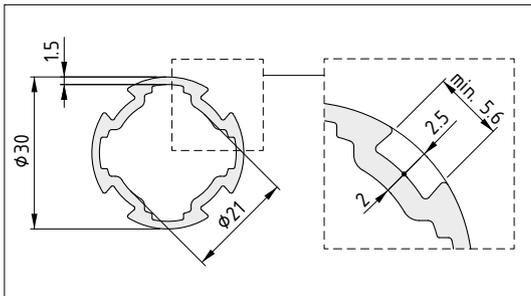
Deformations such as straightness and flatness tolerance to DIN EN 12020 Part 2.

Profiles not cut to size may be up to 100 mm longer than specified, due to manufacturing methods.

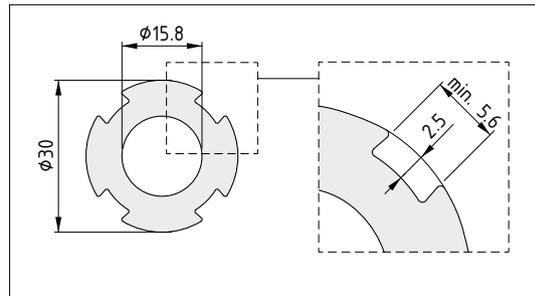
Surface

The aluminium profiles are natural (C0) anodized and are therefore permanently resistant to scratching and corrosion. The surface features a matt finish (E6), is treated with anodic oxidation and is compressed. Minimum layer thickness 10 µm, layer hardness 250–350 HV. The all-round hard anodized surface covering makes saw cuts virtually burr-free, thereby eliminating the need for remachining.

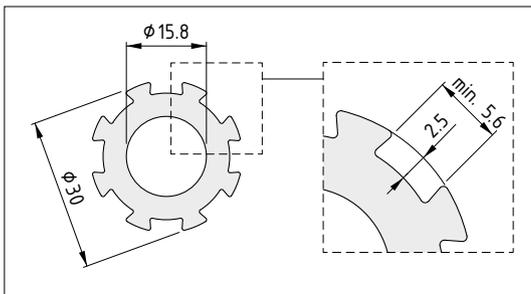
Profile Tube D30



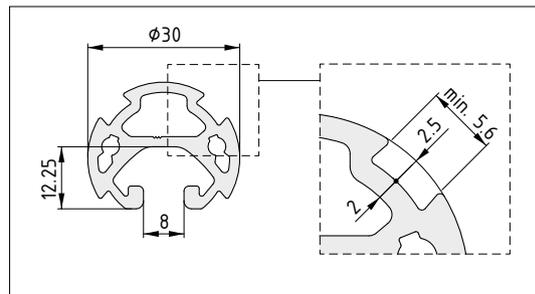
Profile Tube D30 heavy duty



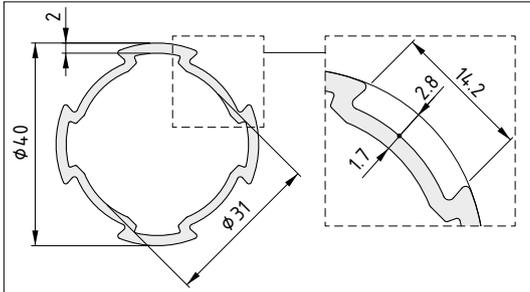
Profile Tube D30-45° heavy duty



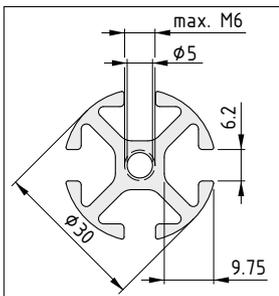
Profile Tube 8 D30



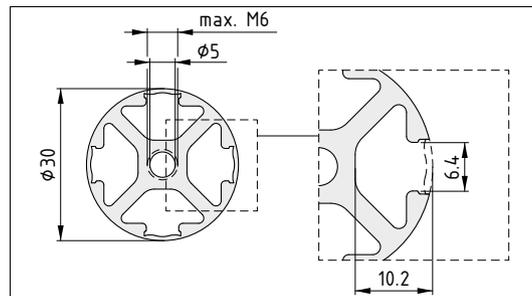
Profile Tube D40/D30



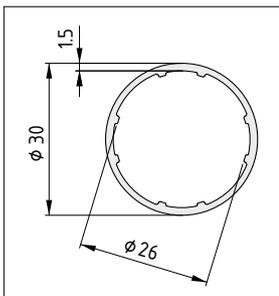
Profile 6 D30



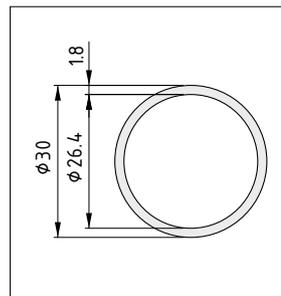
Profile 6 D30 4NO



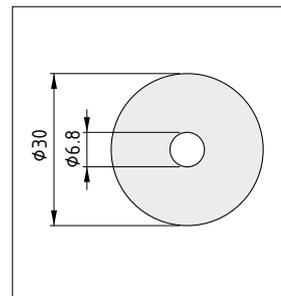
Tube D30



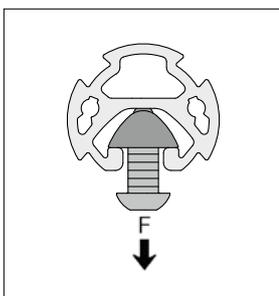
Tube D30x1.8 KU



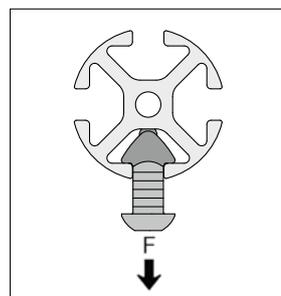
Tube KH D30x11.6



Tensile loading



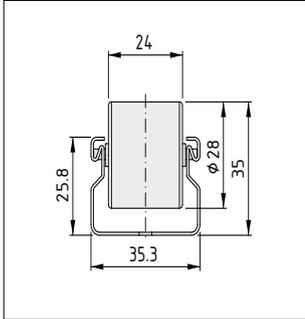
$F_{max} = 3500 \text{ N}$



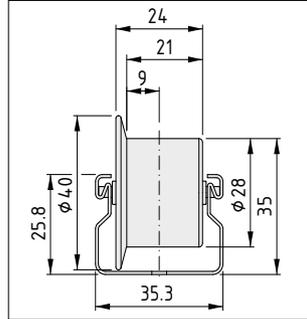
$F_{max} = 1500 \text{ N}$

Roller conveyors

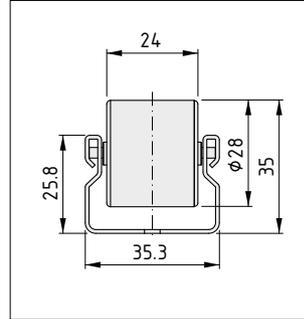
Roller Conveyor St D30



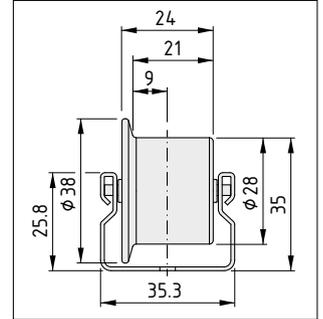
Roller Conveyor St D30 with Flanged Wheel



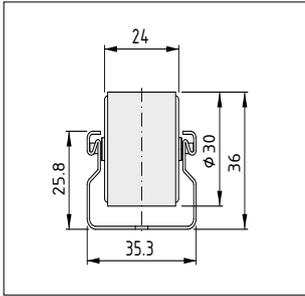
Roller Conveyor St D30 T1



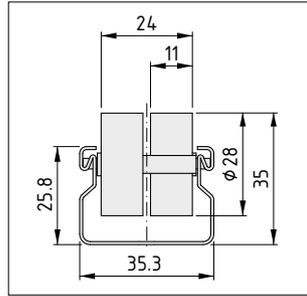
Roller Conveyor St D30 T1 with Flanged Wheel



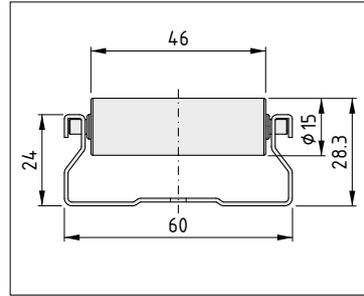
Roller Conveyor St D30 with Steel Tyres



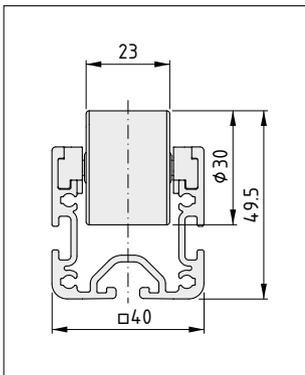
Roller Conveyor St D30/2



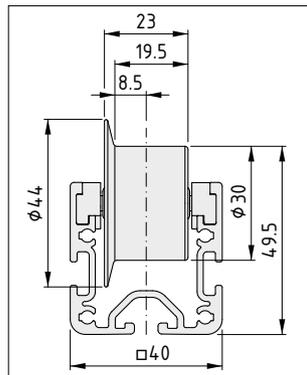
Roller Conveyor St 60x24 D15



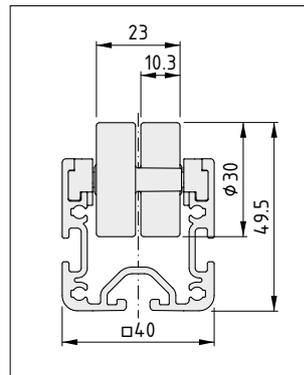
Roller Conveyor 6 40x40 E D30



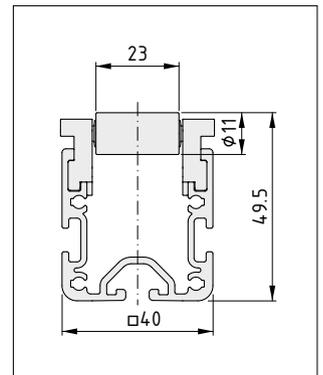
Roller Conveyor 6 40x40 E D30 with Flanged Wheel



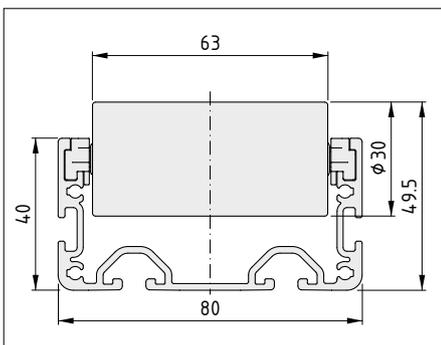
Roller Conveyor 6 40x40 E D30/2



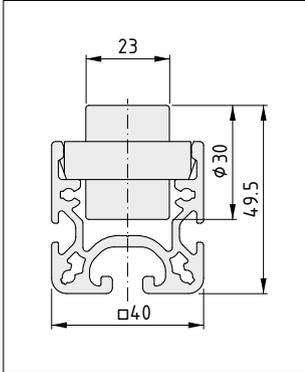
Roller Conveyor 6 40x40 E D30 D11



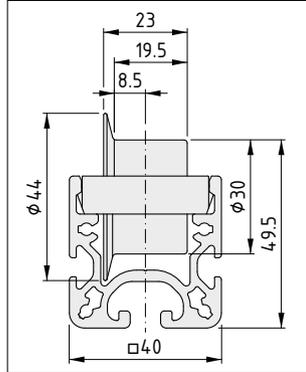
Roller Conveyor 6 80x40 E D30



Roller Conveyor 8 D30



Roller Conveyor 8 D30 with Flanged Wheel



Mounting dimensions of Roller Conveyors St and Al, including Fastening Brackets

	Roller Conveyor St D30	Roller Conveyor St 60x24 D15
	a = 17 mm b = 23 mm c = 14 mm d = 20.5 mm 0.0.642.47 	a = 18 mm b = 24 mm c = 7 mm d = 22.5 mm 0.0.674.02
	a = 18 mm b = 24 mm c = 13 mm d = 22 mm 0.0.647.07 	0.0.647.06
	a = 17 mm b = 11 mm c = 48 mm d = 20.5 mm 0.0.642.46 	
	a = 17 mm b = 26 mm c = 63 mm d = 20.5 mm 0.0.652.46 	a = 17.5 mm b = 25 mm c = 56 mm d = 22.5 mm 0.0.674.03
	a = 66 mm b = 23 mm c = 14 mm d = 20.5 mm e = 13 mm 0.0.658.17 	a = 66 mm b = 24 mm c = 7 mm d = 22.5 mm e = 14.5 mm 0.0.681.84
	a = 22 mm b = 22 mm c = 15 mm d = 33.5 mm 0.0.687.62 	
	a = 71 mm b = 31.5 mm c = 5.5 mm d = 34 mm e = 19 mm 0.0.687.61 	

Roller Conveyor 6 40x40 E D30	Roller Conveyor 6 80x40 E D30	Roller Conveyor 8 D30
a = 17 mm b = 23 mm c = 28.5 mm d = 18 mm 0.0.660.57		a = 17 mm b = 23 mm c = 28.5 mm d = 18 mm 0.0.652.48
a = 18 mm b = 23 mm c = 28.5 mm d = 22 mm 0.0.660.59 0.0.660.60	a = 17.5 mm b = 23 mm c = 29 mm d = 22.5 mm 0.0.667.54	a = 18 mm b = 23 mm c = 28.5 mm d = 22 mm 0.0.652.58 0.0.652.64
a = 18 mm b = 23 mm c = 29 mm d = 22.5 mm 0.0.667.56 0.0.667.57	a = 18 mm b = 23 mm c = 29 mm d = 22.5 mm 0.0.667.56 0.0.667.57	
a = 17 mm b = 26 mm c = 77.5 mm d = 20.5 mm 0.0.660.58	a = 17.5 mm b = 26 mm c = 78 mm d = 22.5 mm 0.0.667.55	a = 17 mm b = 26 mm c = 77.5 mm d = 20.5 mm 0.0.652.57
a = 66 mm b = 23 mm c = 28.5 mm d = 18 mm e = 14 mm 0.0.659.19		a = 66 mm b = 23 mm c = 28.5 mm d = 18 mm e = 14 mm 0.0.662.31