Rope & Yarn Grips

TA76

TA76 Rope and Yarn Grips
1kN, 5 kN and 20 kN

TA76 rope grips are applicable (depending on type) for filaments, cords, yarn, fine wires, narrow ribbons and ropes, etc.

According to its friction coefficient, the specimen will be twisted one or more times around the guide roller, before being fixed with clamping jaws.

The guide rollers generate a slow notch free stress relief to prevent the breakage of the specimen in the clamping area.

Pneumatic version also available.

Standard Couplings: Af159 or Af20.
Further coupling sizes on request.



TA76-20



TA76-1

TA76-5

	TA76-1	TA76-5	TA76-20
Applicable for	Yarn, filament, narrow ribbons, etc.	Cord, fine wires, narrow ribbons, etc.	Ropes, fine wires, narrow ribbons, etc.
Tensile force	1 kN	5 kN	20 kN
Ropes / wires max. Ø	0 – 2 mm Ø	0 – 5 mm Ø	0 – 9 mm Ø
Min. sample length	240 mm	400 mm	800 mm
Jaw surfaces	Rubber jaws Diamond jaws (BD) Other surfaces on request	Pyramid jaws (0.6x45°), 58HRC Diamond jaws (BD) Other surfaces on request	Pyramid jaws (0.6x45°), 58 HRC Other surfaces on request
Clamping surface HxW	20 x 10mm	30 x 12mm	30 x 15mm
Ø Guide roller	20 mm Ø	40 mm Ø	93 mm Ø
Temperature range*	0 – 70°C*	0 – 180°C*	0 – 180°C*
Body	Aluminum, anodized	Aluminum, anodized	Steel, nickel-plated
Weight without jaws	0.22 kg each grip	0.76 kg each grip	2.72 kg each grip
Ordering information/ Scope of delivery	1 pair without jaws	1 pair without jaws	1 pair without jaws

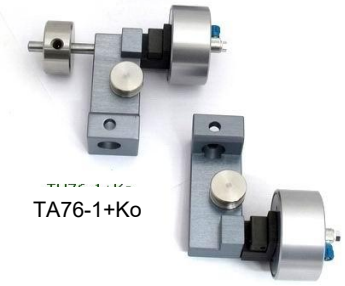
Pneumatic versions of TA76

	TA76-1+Ko	TA76-5+Ko
Applicable for	Yarn, filament, narrow ribbons etc	Cord, fine wires, narrow ribbons etc
Tensile force	1 kN	5 kN
Ropes / threads max. Ø	0 – 2 mm Ø	0 – 5 mm Ø
Min. sample length	240 mm	400 mm
Jaw surfaces	Rubber jaws Diamond jaws Other surfaces on request	Pyramid jaws(0.6x45°), 58 HRC Diamond jaws Other surfaces on request
Clamping surface HxW	20 x 10mm	30 x 12mm
Ø Guide roller	20 mm Ø	40 mm Ø
Temperature range*	0 – 70°C*	0 – 180°C*
Pneumatic connection	Internal thread M5	Internal thread M5
Body	Aluminum, anodized	Aluminum, anodized
Weight	0.63 kg each (grip with counter weight)	1.24 kg each grip without jaws
Ordering information/ Scope of delivery	1 pair without jaws. The grips are supplied as a pair, incl. 1 grip without and 1 grip with counter weight (upper grip)	1 pair without jaws

*Other temperature ranges on request



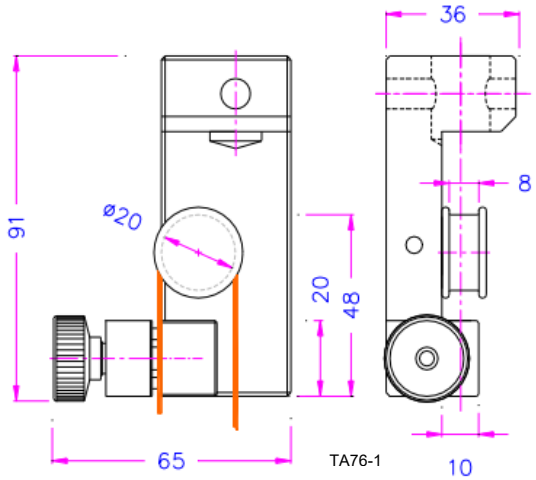
TA76-5+Ko



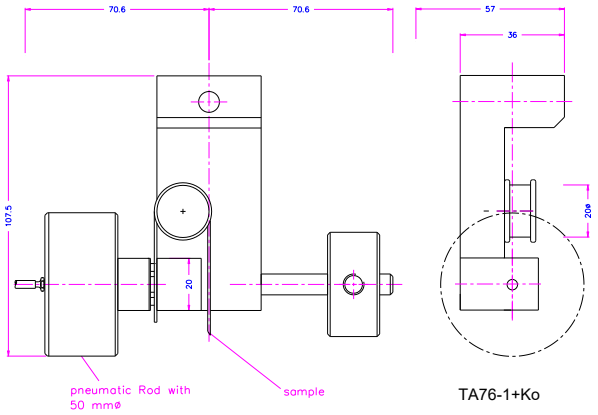
TA76-1+Ko

Rope & Yarn Grips

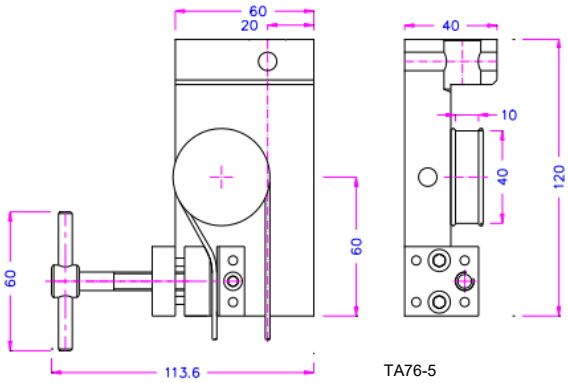
TA76



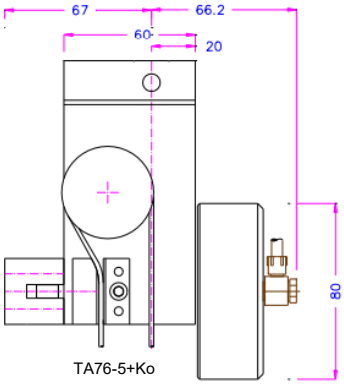
TA76-1



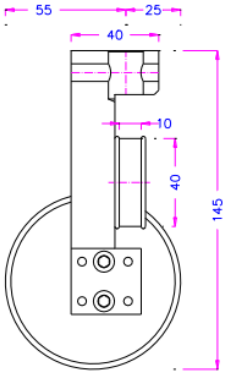
TA76-1+Ko

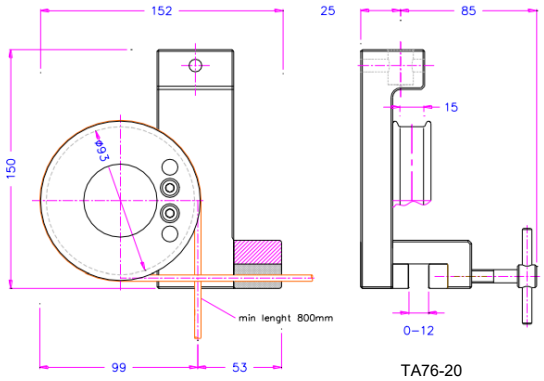


TA76-5



TA76-5+Ko





TA76-20

Rope & Yarn Grips

TA76



TA76-1+Ko



TA76-5 with adapter
TAS464-158-M30x2LH



TA76-20

Examples of special versions:



TA76-1-150+BD



TA76-5+Ko-2A
2 couplings and rubber jaws (BG)



TA76-20+Ko