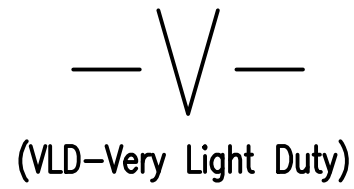
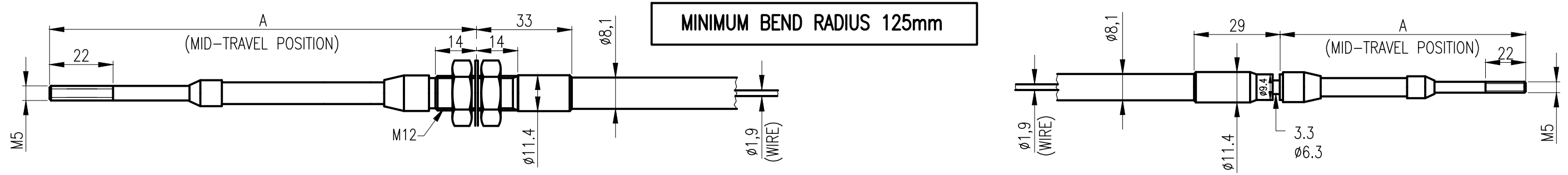


THREADED SWIVEL CONDUIT FITTING

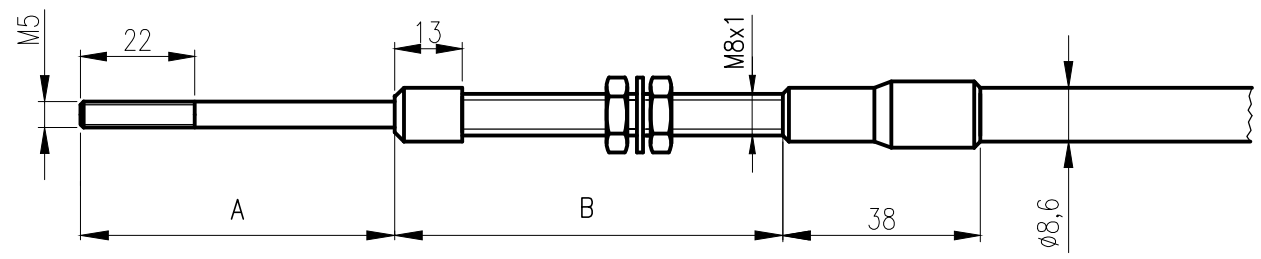


GROOVED SWIVEL CONDUIT FITTING



Threaded fitting	Travel	Working input load	Maximum input overload	Grooved fitting
A mm	Z mm	Push/Pull N	Push/Pull N	A mm

111	25	180/ 450	270/ 680	94
148	50	180/ 450	270/ 680	132
186	75	160/ 450	230/ 680	170

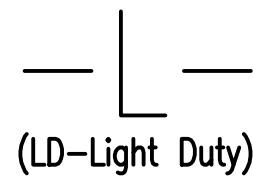


A			B		
25	50	75	25	50	75
38	51	64	37	63	89

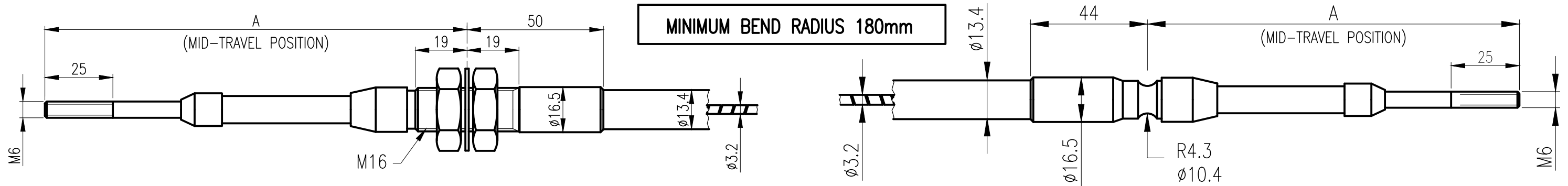
RIGID CONDUIT FITTING

ORDER CODE (FOR EXAMPLE): 773-V-TG-50-2800

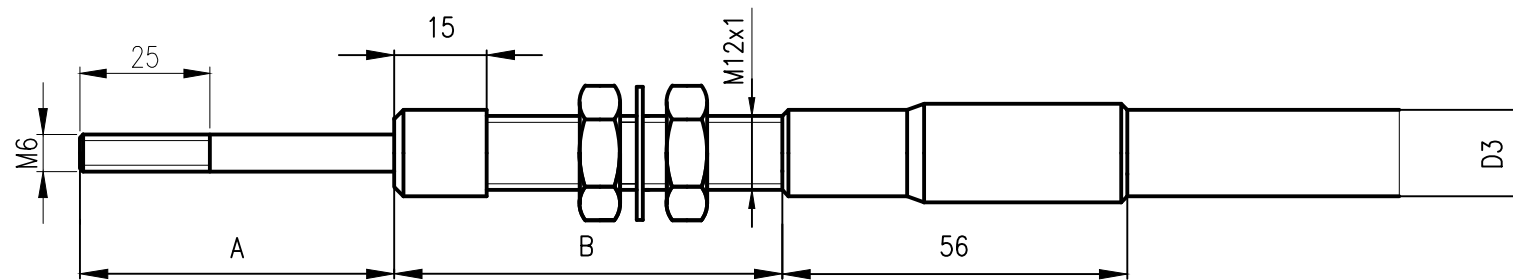
THREADED SWIVEL CONDUIT FITTING



GROOVED SWIVEL CONDUIT FITTING



Threaded fitting	Travel	Working input load	Maximum input overload	Grooved fitting
A mm	Z mm	Push/Pull N	Push/Pull N	A mm
117	25	450/680	680/1050	102
155	50	450/680	680/1050	140
194	75	400/680	600/1050	178
232	100	330/680	510/1050	216
270	125	220/680	400/1050	254
308	150	120/680	300/1580	292



RIGID CONDUIT FITTING

A						B					
25	50	75	100	125	150	25	50	75	100	125	150
41	54	67	79	92	105	37	63	89	114	140	165

ORDER CODE (FOR EXAMPLE): 773-L-TG-75-4600

PUSH-PULL CABLES - Part Number Ordering Code

183-M-TG-75-5000

Construction

- 773-Black=Commercial+stainless steel end rods+zinc plated support tubes and conduit caps
- 173-Grey=Utility+stainless steel end rods+zinc plated support tubes and conduit caps
- 174-Grey=Utility+stainless steel innermember, end rods, support tubes and conduit caps
- 183-Green=Low friction+stainless steel end rods and support tubes+zinc plated conduit caps

Duty

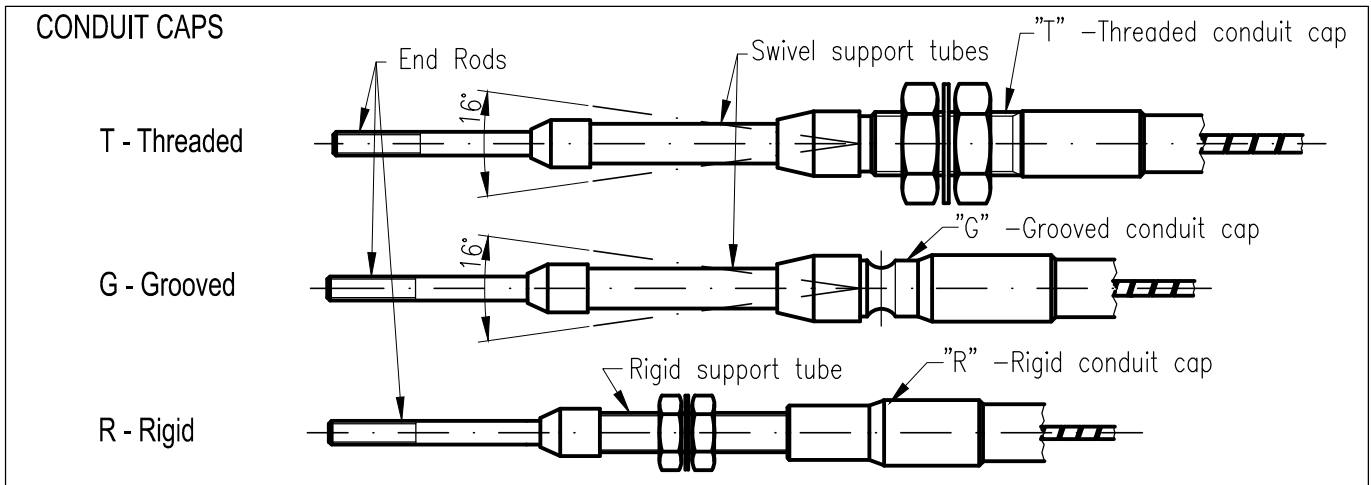
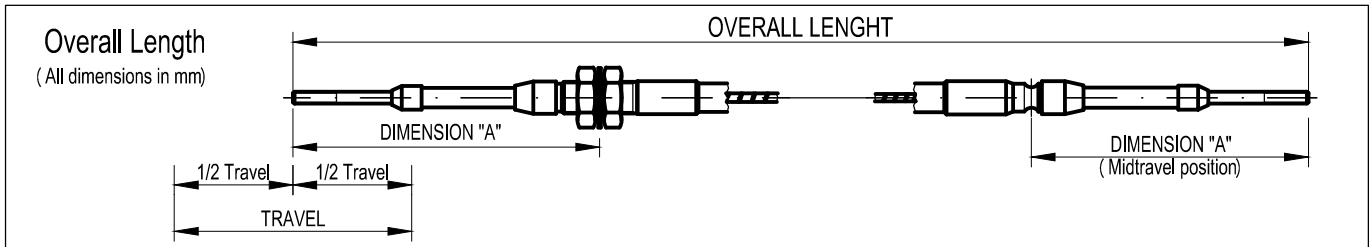
- V- Very Light Duty
- L- Light Duty
- M- Medium Duty
- H- Heavy Duty

Conduit caps

- TT-Threaded on both ends
- GG-Grooved on both ends
- RR-Rigid on both ends
- TG, TR, GR in combination

Travel 25, 50, 75, 100, 125, 150 (mm)

Overall length (mm)



Backlash & Efficiency	Low friction cables		Utility cables		Commercial cables	
	Backlash factor k1	Efficiency factor k2	Backlash factor k1	Efficiency factor k2	Backlash factor k1	Efficiency factor k2
V - Very Light Duty	0,004	0,0005	0,004	0,001	0,006	0,001
L - Light Duty	0,005	0,0005	0,005	0,001	0,008	0,001
M - Medium Duty	0,006	0,0005	0,006	0,001		
H - Heavy Duty	0,008	0,0005				

$T = k1 \times \Delta$

Backlash (lost motion) (T) = Backlash factor (k1) x degrees of bend (Δ)
 Example: T = 0,004 x 180° = 0,72 (Backlash is 0,72mm)

$F1 = F2 \times \Delta \times k2 + F2$

Input force (F1) = Output load (F2) x degrees of bend (Δ) x Efficiency factor (k2) + Output load (F2)
 Example: F1 = 250 x 180° x 0,0005 + 250 = 272,5 (Input load is 272,5N)