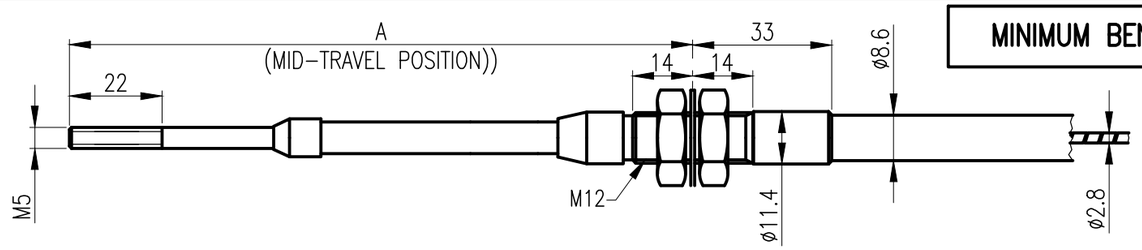
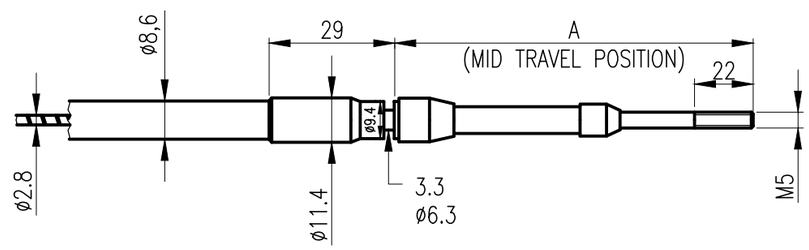
THREADED SWIVEL CONDUIT FITTING — V — GROOVED SWIVEL CONDUIT FITTING

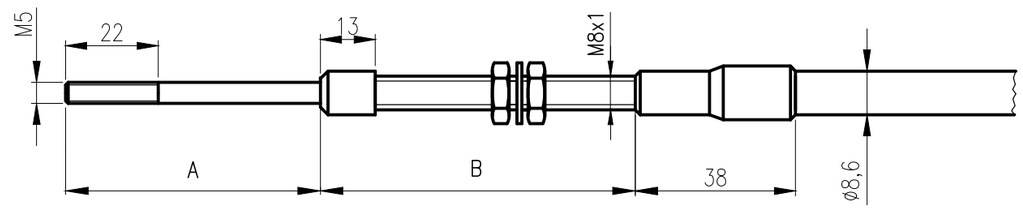
(VLD–Very Light Duty)

MINIMUM BEND RADIUS 50mm





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	360/ 540	540/ 820	94
148	50	360/ 540	540/ 820	132
186	75	320/ 540	500/ 820	170
225	100	270/ 540	400/ 820	208
264	125	200/ 540	320/ 820	246
301	150	160/ 540	200/ 820	284



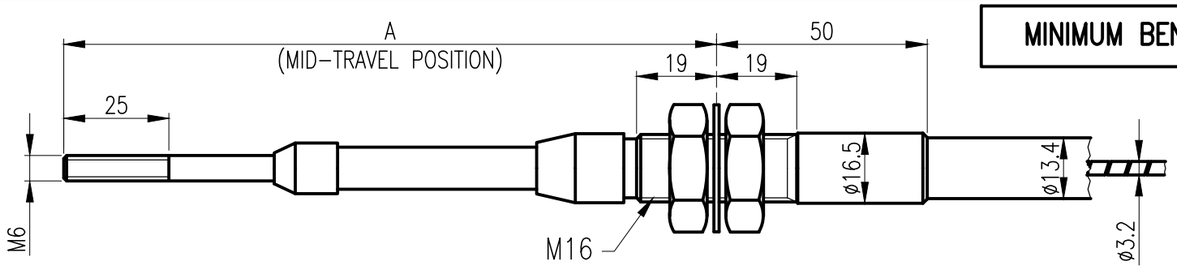
RIGID CONDUIT FITTING

A						B					
25	50	75	100	125	150	25	50	75	100	125	150
38	51	64	76	89	102	37	63	89	114	140	165

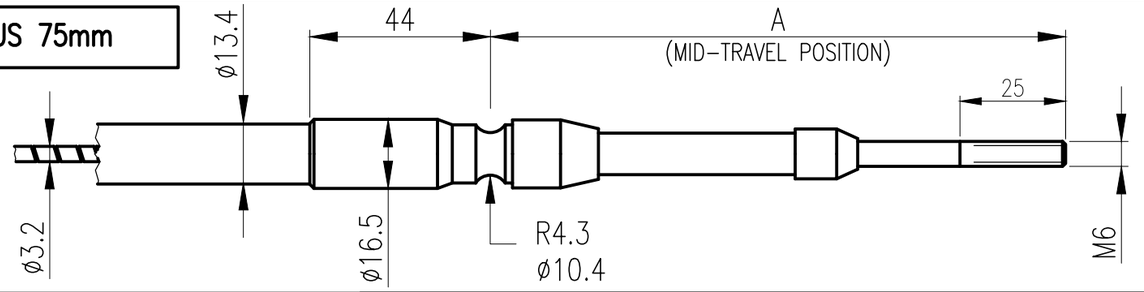
ORDER CODE (FOR EXAMPLE): 183–V–TG–50–2800

THREADED SWIVEL CONDUIT FITTING — L — GROOVED SWIVEL CONDUIT FITTING

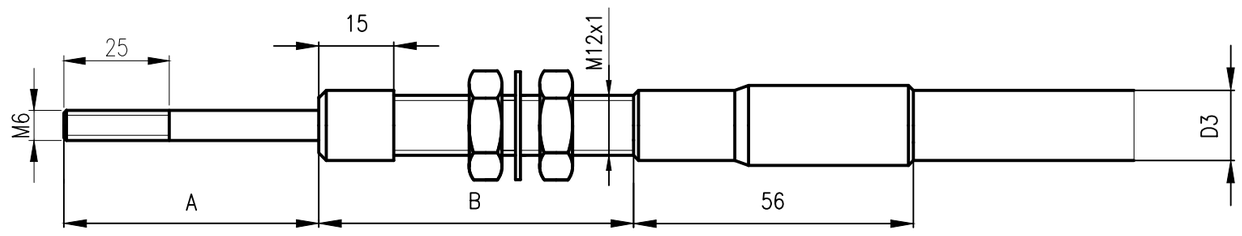
(LD–Light Duty)



MINIMUM BEND RADIUS 75mm



Threaded fitting A mm	Travel Z mm	Working input load Push/Pull N	Maximum input overload Push/Pull N	Grooved fitting A mm
117	25	680/1050	1050/1580	102
155	50	680/1050	1050/1580	140
194	75	570/1050	860/1580	178
232	100	450/1050	680/1580	216
270	125	340/1050	500/1580	254
308	150	230/1050	340/1580	292



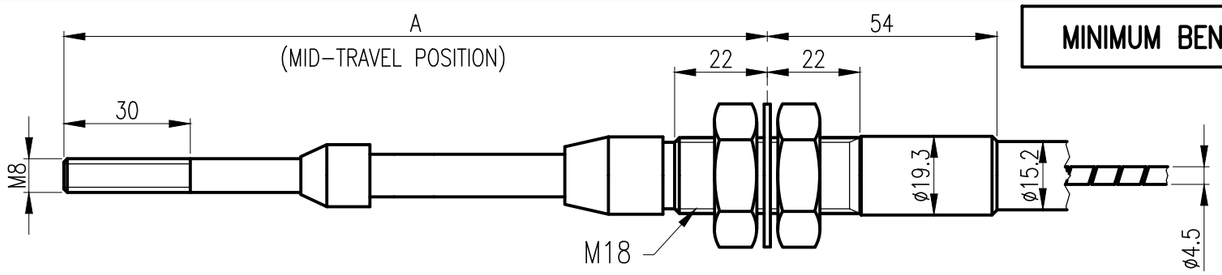
RIGID CONDUIT FITTING

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

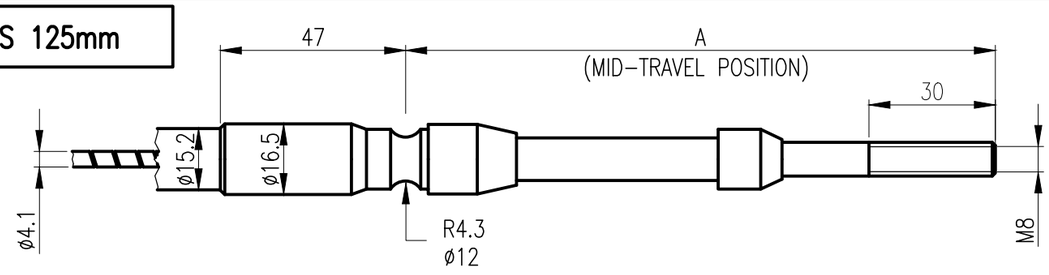
ORDER CODE (FOR EXAMPLE): 183–L–TG–75–4600

THREADED SWIVEL CONDUIT FITTING — M — GROOVED SWIVEL CONDUIT FITTING

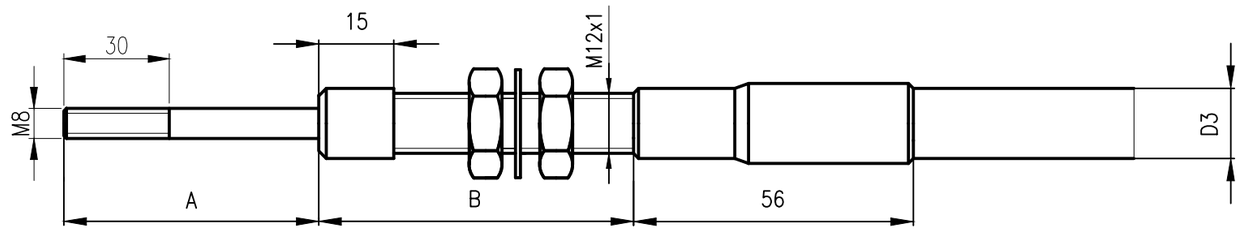
(MD–Medium Duty)



MINIMUM BEND RADIUS 125mm



Threaded fitting A mm	Travel Z mm	Working input load Push/Pull N	Maximum input overload Push/Pull N	Grooved fitting A mm
128	25	1130/1800	1800/2700	111
167	50	1130/1800	1800/2700	149
205	75	950/1800	1360/2700	187
243	100	770/1800	1130/2700	225
281	125	600/1800	900/2700	264
319	150	450/1800	680/2700	301



RIGID CONDUIT FITTING

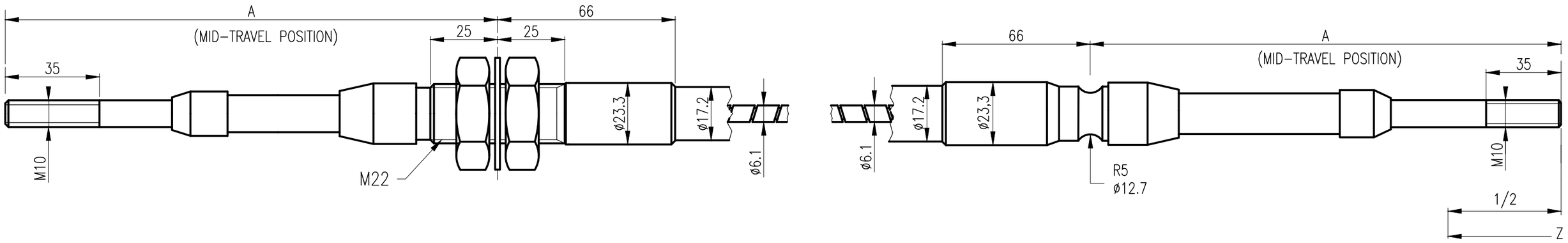
A						B					
25	50	75	100	125	150	25	50	75	100	125	150
45	58	71	84	97	112	39	65	91	116	142	168

ORDER CODE (FOR EXAMPLE): 183–M–TG–100–3200

THREADED SWIVEL CONDUIT FITTING — H — GROOVED SWIVEL CONDUIT FITTING

(HD–Heavy Duty)

MINIMUM BEND RADIUS 150mm



Threaded fitting A mm	Travel Z mm	Working input load Push/Pull N	Maximum input overload Push/Pull N	Grooved fitting A mm
145	25	3170/4530	4530/6800	132
183	50	3170/4530	4530/6800	170
221	75	2700/4530	4000/6800	208
259	100	2260/4530	3400/6800	246
297	125	1800/4530	2700/6800	284
335	150	1360/4530	2040/6800	322

ORDER CODE (FOR EXAMPLE): 183–H–TG–125–7500

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

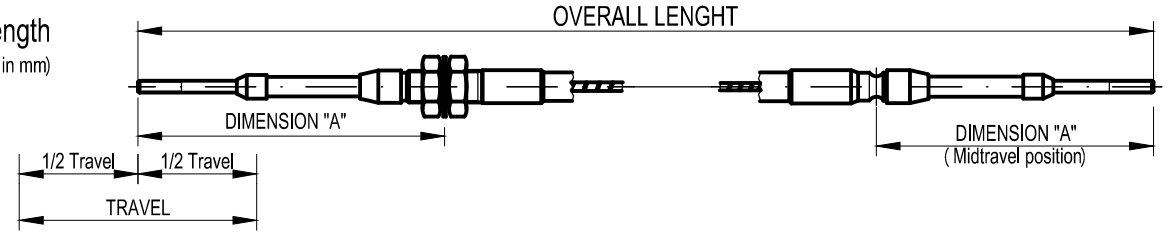
Duty
- V- Very Light Duty
- L- Lihgt Duty
- M- Medium Duty
- H- Heavy Duty

Conduit caps
- TT-Threaded on both ends
- GG-Grooved on both ends
- RR-Rigid on both ends
- TG, TR, GR in combonation

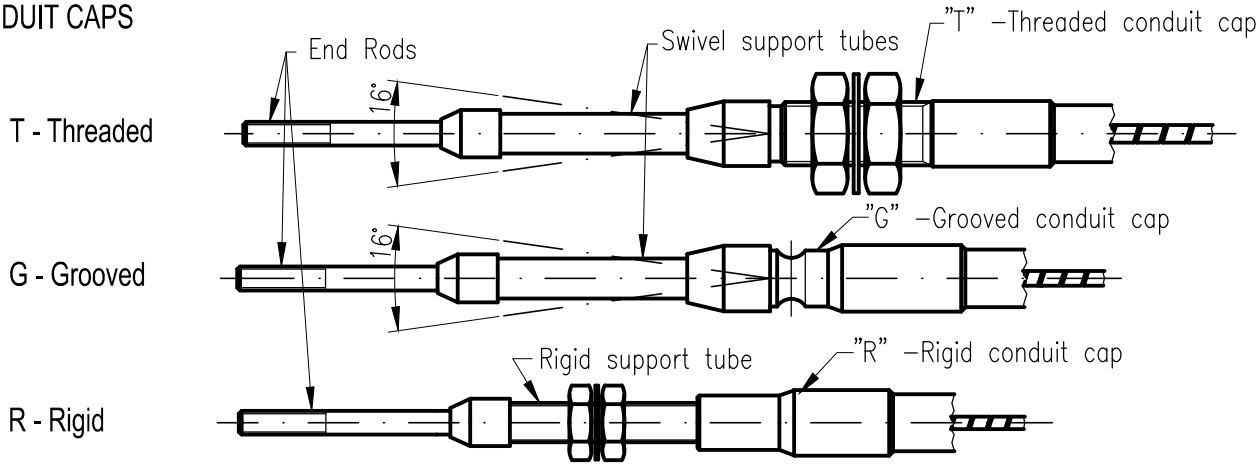
Travel 25, 50, 75, 100, 125, 150 (mm)

Overall length (mm)

Overall Length
(All dimensions in mm)



CONDUIT CAPS



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 (Becklash 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)