

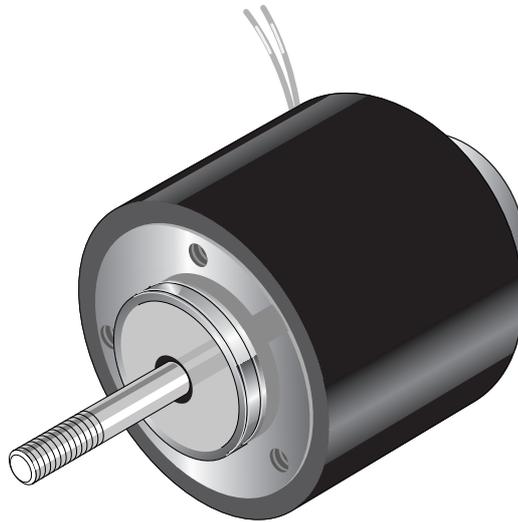
# RM070 Series Linear Solenoid Push and/or Pull Type

## Heavy duty linear solenoid RM 070

Weight:  
 Complete solenoid: appr. 2000 g  
 Armature: appr. 400 g  
 Standard:  
 Voltage: 24 V DC  
 Flying leads: 20 cm  
 Insulation class: F (max. permissible temperature = 155 °C)

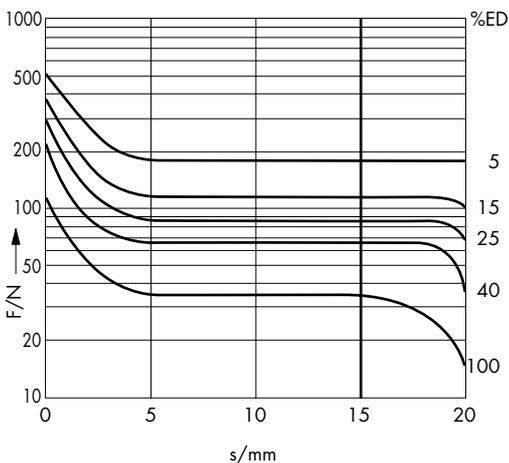
Service-free DU armature bearing for maximum durability.

Stroke of version with standard stroke limiter: 15 mm.



	100	40	25	15	5	% Perm. duty Cycle (ED) <sup>1)</sup>
	31	78	121	198	472	W Nominal coil power P <sub>n</sub>
	54				25	ms Actuation time (ED)

<sup>1)</sup> If solenoid is mounted directly onto a flat metal surface the duty cycle can be extended (please ask for advice)



Force vs. Stroke diagram  $F = f(s)$

W = horizontal characteristic

Force measured when operating in horizontal position, at 90 % rated voltage and winding at operating temperature

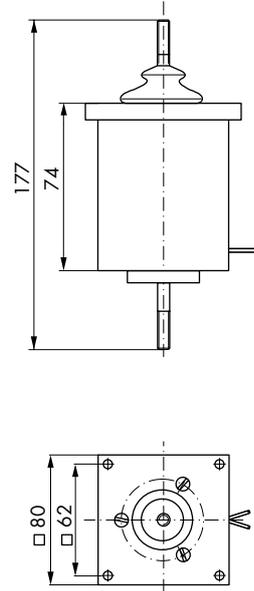
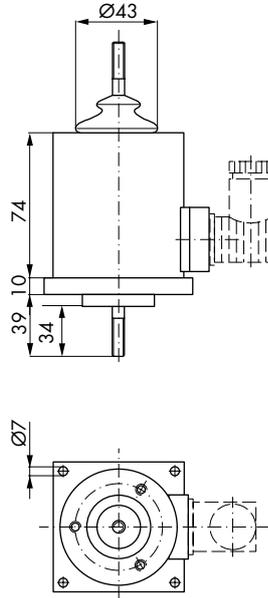
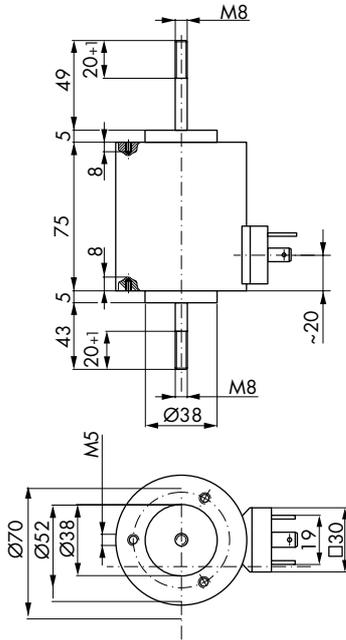
stroke  $s = 0$  corresponds to armature in fully home position

**Impulse Automation Limited**  
**United Kingdom**  
**Company Registration 665193**

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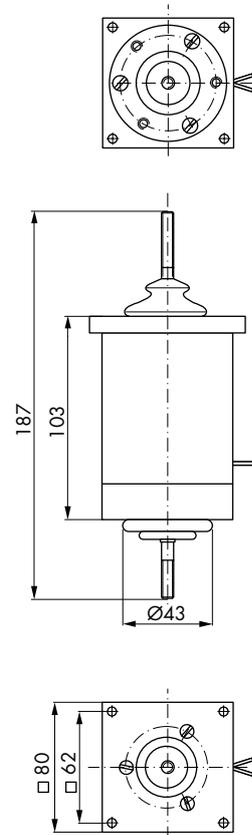
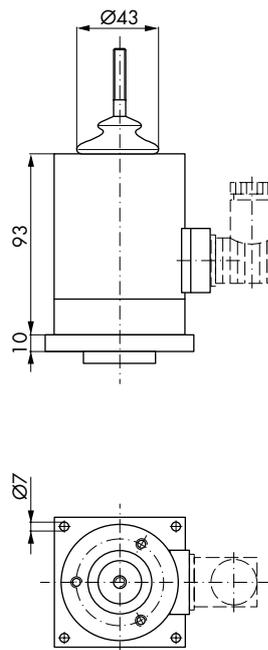
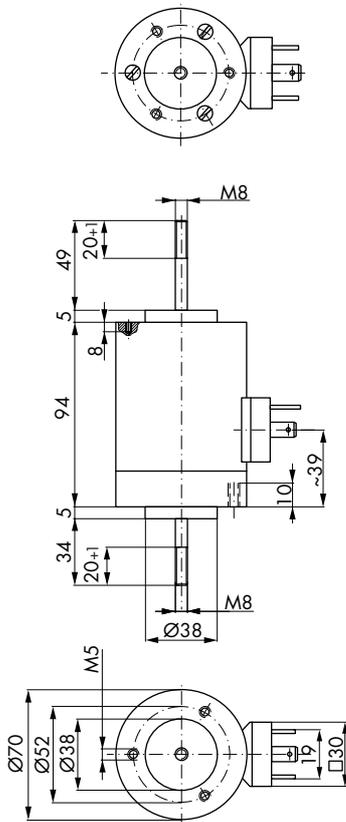
# RM070 Series Linear Solenoid Push and/or Pull Type

without stroke limiter



Direction of stroke  
 ↑  
 Dimensions given with  
 armature in fully home position

with stroke limiter



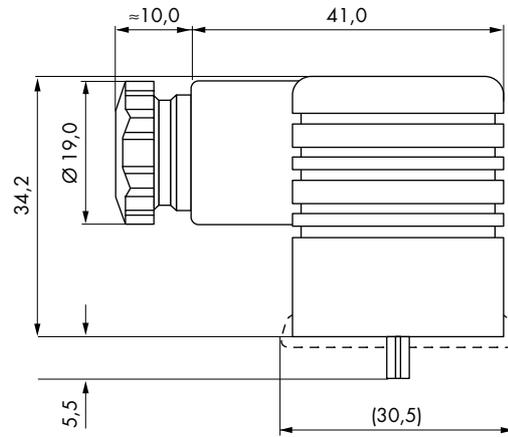
Direction of stroke  
 ↑  
 Dimensions given with  
 armature in fully home position

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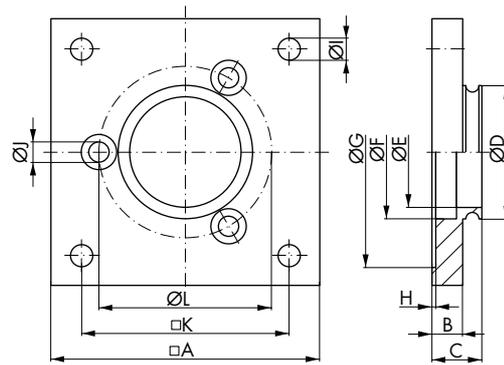


## RM070 Series Accessories



**Plug-in socket Z801**  
 Screw joint PG 9  
 for lead diameter 4.5 - 7 mm

**Plug-in socket Z811**  
 Screw joint PG 11  
 for lead diameter 6 - 9 mm  
 Plug-in socket with built in  
 Si-bridge rectifier

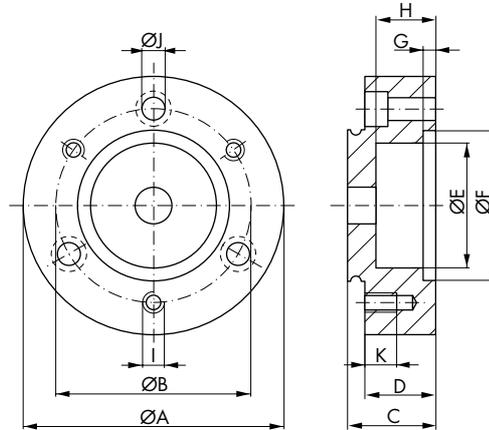


**Flange**  
 (Mounting screws are part of the  
 shipment)

Order specification

Order number	Type	Dimensions (mm)											Type	Order number	
		A	B	C	D	E	F	G	H	I	J	K			L
Z 841	RM 070	80,0	10,0	15,0	38,0	32,5	38,0	70,5	1,0	7,0	5,3	62,0	52,0	RM 070	Z 841

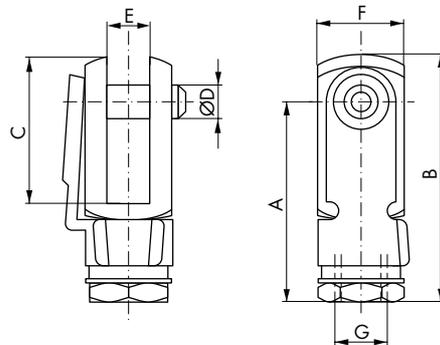
## RM070 Series Accessories



**Stroke limiter**  
 (Mounting screws are part of the shipment)

Order specification

Order number	Type	Dimensions (mm)										Type	Order number	
		A	B	C	D	E	F	G	H	I	J			K
Z 846	RM 070	70,0	52,0	24,0	19,0	33,0	38,0	5,5	15,0	M5	5,3	10,0	RM 070	Z 846



**Fork**

Order-number	A	B	C	D	E	F	Connection G
35.304 <sup>1)</sup>	32	42	26	8	8	16	M8

<sup>1)</sup> Forks are galvanised and chromed yellow. Supplied without a nut. Secure using e.g. Loctite or a similar product.