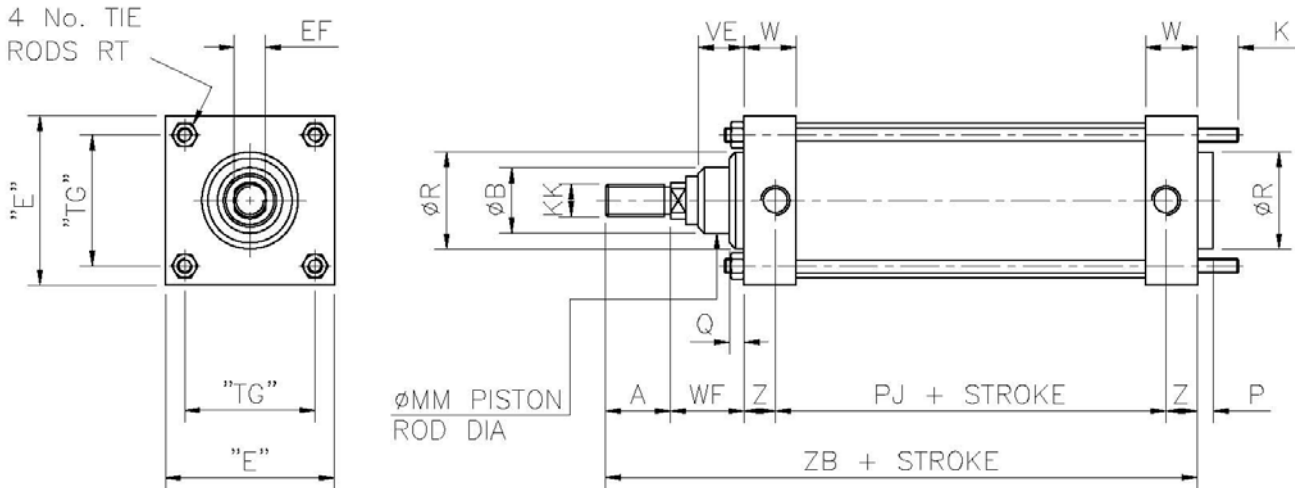


PNEUMATIC CYLINDERS

Installation dimensions in mm

125, 160, 200, 250, 320mm bore



Bore	A	B	E	EE	EF	K	KK	MM	P	PJ	Q	R	RT	TG	VE	W	WF	Z	ZB
125	54	54	140	G1/2"	27	34	M27X2.0	32	3	116	12	80	M12X1.75	108	38	43	61	26	229
160	72	70	178	G3/4"	36	42	M36X2.0	40	5	124	16	102	M12X1.75	136	53	49	80	28	260
200	72	90	220	G3/4"	46	42	M36X2.0	50	5	124	16	120	M16X2.0	168	57	54	90	33	280
250	84	90	280	G1"	46	50	M42X2.0	50	7	132	16	120	M20X2.5	213	57	63	100	39	310
320	96	90	345	G1"	50	60	M48X2.0	55	7	142	16	120	M24X3.0	260	63	73	115	44	345

Cylinder options

Double acting high temperature cylinders – 125, 160, 200, 250, 320mm bore

Operating data

Ambient operating -201C to 1201C
Temperature range (with dry air)

Service kits

125mm bore-RKMV125
160mm bore-RKMV160
200mm bore-RKMV200
250mm bore-RKMV250
320mm bore-RKMV320

Preferred model selection

Magnetic piston

Bore	Model Code
125mm	MMV125/Stroke
160mm	MMV160/Stroke
200mm	MMV200/Stroke
250mm	MMV250/Stroke
320mm	MMV320/Stroke

Non magnetic piston

Bore	Model Code
125mm	MV125/Stroke
160mm	MV160/Stroke
200mm	MV200/Stroke
250mm	MV250/Stroke
320mm	MV320/Stroke

Safety note

Viton is a synthetic rubber which, if subjected to temperatures above 4001C (7001F), changes into charred or sticky consistency containing Hydropluric acid.. This acid is extremely corrosive and once formed remains dangerous for years. When dealing with components containing the material after a fire or similar very high temperature occurrence it is essential that protective gloves are worn and these are safely disposed of after use.

All other operating data is consistent with that for standard cylinders shown on page M/MM.1.1

Note: For solid state and Reed switches to Operate at high temperature contact Customer Services

Installation dimensions in mm

All dimensions as for standard Cylinders shown above

PNEUMATIC CYLINDERS

**M/MM RANGE
BS ISO 6431
Power Cylinders**

**Double Acting
125, 160, 200, 250, 320, mm bore**

ROUND BARREL
Simple reliable design
Conforms to ISO 6431 and
CETOP standards
Long seal life
Magnetic piston option
Adjustable air cushioning
Full range of mounting
accessories

Operating data

Standards	BS ISO 6431 CETOPRP53P BS4862 Part 2: 1983	
Operating pressure	1 to 10 bar	
Ambient operating temperature range	01C to + 801C (201C to + 801C with dry air)	
Cushioning	Fully adjustable air cushioning at both ends	
Cushioning length	125mm bore – 14mm 160mm bore – 19mm 200mm bore – 19mm 250mm bore – 24mm 320mm bore – 26mm	
Type of connection	Screwthread	
Port size	125mm bore – G ½” 160 and 200mm bore – G3/4” 250 and 320mm bore – G1”	
Materials of construction	Barrel Piston rod Piston End covers Tie rods Seals High temperature seals	Anodised aluminium alloy Chrome plated carbon steel Aluminium alloy Aluminium alloy Bright drawn medium tensile steel Nitrile Viton
Operating medium	Compressed air, filtered and non lubricated or lubricated. If installed in lubricated system use with ISO VG 32 or ISO VG 37 mineral oil.	
Service kits	Basic cylinders	125mm bore – RKM125 160mm bore – RKM160 200mm bore – RKM200 250mm bore – RKM250 320mm bore – RKM320

PNEUMATIC CYLINDERS

M/MM RANGE
BS ISO 6431
Power Cylinders

Double Acting
125, 160, 200, 250, 320, mm bore

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Preferred model selection

<i>Magnetic piston</i>		<i>Non magnetic piston</i>	
Bore	Model code	Bore	Model code
125mm	MM125/Stroke	125mm	MM125/Stroke
160mm	MM160/Stroke	160mm	MM160/Stroke
200mm	MM200/Stroke	200mm	MM200/Stroke
250mm	MM250/Stroke	250mm	MM250/Stroke
320mm	MM320/Stroke	320mm	MM320/Stroke

Ordering example:-

MM125/200 = 125mm bore double acting cylinder with magnetic piston, 200mm stroke

MM250/160 = 250mm bore double acting cylinder with non magnetic piston, 160mm stroke

For high temperature version specify 'V' in position 2. i.e. MV250/160