

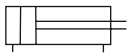


Pneumatic cylinder

- According to DIN 6432
- With magnetic piston
- Ø 8 to 25 mm

The pneumatic cylinders are equipped with magnetic piston and are available in the following versions

- double-acting with fixed end of stroke cushioning
- double-acting with adjustable end of stroke cushioning



Note

Single acting on request

Technical data	
Materials	
Piston rod	Stainless steel AISI 303
Cylinder head	Aluminium, anodised
Cylinder tube	Stainless steel AISI 304
Seal material	PU
Control medium	lubricated or non-lubricated, filtered compressed air
Temperature range	- 10 ... + 80 °C
Pressure range¹⁾	1 ... 10 bar
Installation	User-defined

¹⁾ Pressure values [bar]: Overpressure with respect to atmospheric pressure

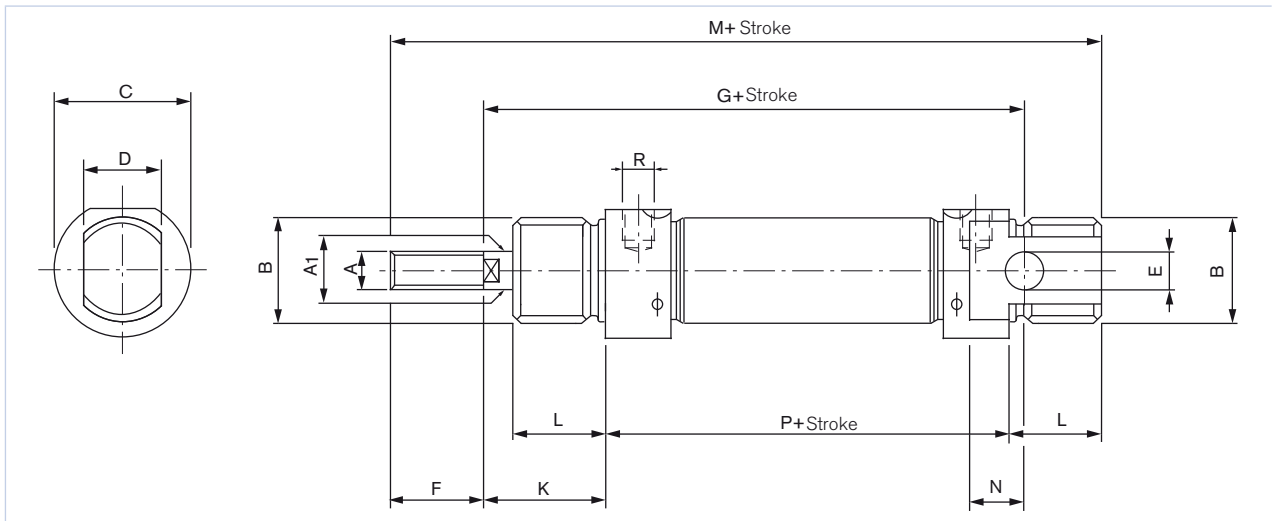
Force chart

Piston-diameter [mm]	Double-acting cylinder	
	Compressive force [N]	Tensile force [N]
8	27	20
10	42	36
12	61	46
16	109	93
20	170	142
25	265	223

Operating pressure 6 bar










































The friction in the cylinder has been taken into account

Dimensions [mm] (according to DIN 6432)



Piston diameter [mm]	A	A1	B	C	D	E	F	G	K	L	M	N	P	R
8	M4	4	M12 × 1.25	16	8	4	12	64	16	12	86	6	46	M5
10	M4	4	M12 × 1.25	16	8	4	12	64	16	12	86	6	46	M5
12	M6	6	M16 × 1.5	19	12	6	16	75	22	18	104	9	48	M5
16	M6	6	M16 × 1.5	19	12	6	16	82	22	18	109	9	53	M5
20	M8	8	M22 × 1.5	27	16	8	20	95	24	20	131	12	67	G 1/8
25	M10 × 1.25	10	M22 × 1.5	30	16	8	22	104	28	22	140	12	68	G 1/8




















Ordering chart cylinder

Version ¹⁾	Piston diameter [mm]	Stroke [mm]	Article no. double-acting
With magnetic piston, with fixed end of stroke cushioning	008	10	780573 
		25	780574 
		50	780575 
		80	780576 
	010	10	780581 
		25	780582 
		50	780583 
		80	780584 
		100	780585 
	012	10	780589 
		25	780590 
		50	780591 
		80	780592 
		100	780593 
		125	780594 
		160	780595 
		200	780596 
	016	10	780597 
		25	780598 
		50	780599 
		80	780600 
		100	780601 
		125	780602 
		160	780603 
		200	780604 
	020	10	780606 
		25	780607 
		50	780607 
		80	780608 
		100	780609 
		125	780610 
		160	780611 
025	10	780612 	
	25	780615 	
	50	780616 	
	80	780617 	
	100	780618 	
	125	780619 	
	160	780620 	
	200	780621 	
		200	780622 

¹⁾ other versions on request

The delivery includes mounting and piston rod nut!

Ordering chart cylinder, continued

Version ¹⁾	Piston diameter [mm]	Stroke [mm]	Article no. double-acting
With magnetic piston, with adjustable end of stroke cushioning	16	25	782989 
		50	782990 
		80	782991 
		100	782992 
		125	782993 
		160	782994 
		200	782995 
		20	25
	50		782998 
	80		782999 
	100		783000 
	125		783001 
	160		783002 
	200		783003 
	25		25
		50	783007 
		80	783008 
		100	783009 
		125	783010 
		160	783011 
		200	783012 

¹⁾ other versions on request

The delivery includes mounting and piston rod nut!

Ordering instructions

For fasteners, please request data sheet Type TBU001. This includes:

- Head and floor flange fastening,
- Foot fastener, bearing support with rigid bearing,
- Joint head, as well as fork head
- Hexagon nut according to DIN 439.

Inductive limit switch, please see data sheet Type TEU005. Spare parts kits, please refer to the spare parts catalogue.

To find your nearest Bürkert office, click on the orange box →

www.burkert.com

If case of special conditions,
please consult for advice.

Subject to alteration.
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