

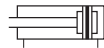
## Double Acting Cylinder



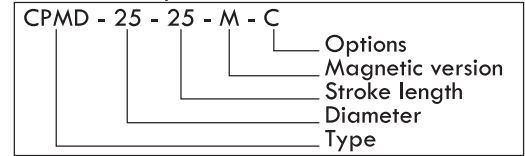
Type CPMD-...  
With elastic cushioning rings  
at end positions



Type CPMD-...M  
With magnet for proximity  
sensing.



Order example:



Options  
Magnetic version  
Stroke length  
Diameter  
Type

### Technical Data:

Operating medium	Filtered compressed air,
Operating pressure	1 ... 10 bar
Temperature range	-35 ... + 80°C
Piston Ø	8, 10, 12, 16, 20 & 25 mm
Stroke length	10 ... 500 mm
* Adjustable cushioning	For Ø 16, 20 & 25 mm

### Options:

C	Adjustable cushioning at both ends	
T	Through piston rod	
H	Heat resistant seals max. 150°C	

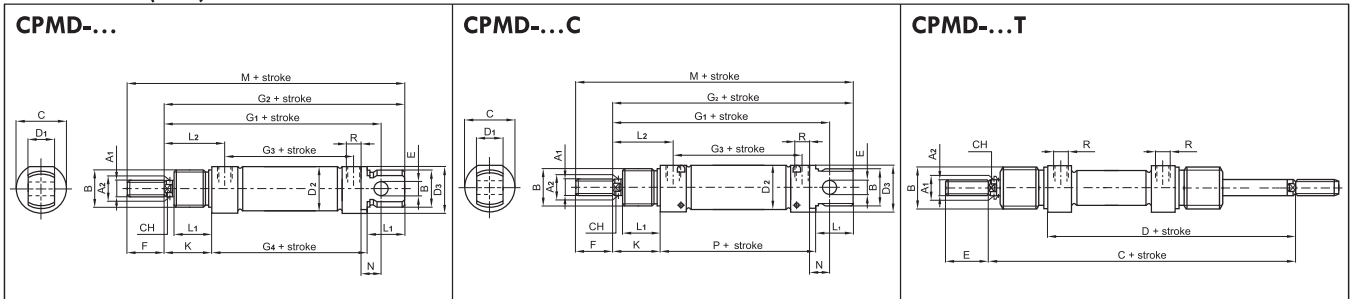
### Materials:

Cylinder barrel	AISI 304 - High-alloy stainless steel
Piston rod	AISI 303 - High-alloy stainless steel
Caps, bearing & end	Wrought aluminium alloy
Piston	brass
Seals	Polyurethane, nitrile rubber

### Theoretical forces at 6 bar:

Piston Ø (mm)	Advancing force (N)	Retracting force (N)	Max. absorbable kinetic energy	
			With adjustable cushioning	Without adjustable cushioning
8	24	15		
10	41	32		
12	55	38		
16*	105	88	0.9	0.12
20*	165	141	1.3	0.16
25*	266	219	1.8	0.22

### Dimensions (mm):



### CPMD-...

Ø (mm)	A <sub>1</sub>	A <sub>2</sub>	B	C	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	E	F	G <sub>1</sub>	G <sub>2</sub>	G <sub>3</sub>	G <sub>4</sub>	K	L <sub>1</sub>	L <sub>2</sub>	N	CH	R	M
8	M4	4	M12x1.25	16	8	9.27	15	4	12	64	74	36	46	16	12	21	6	/	M5	86
10	M4	4	M12x1.25	16	8	11.27	15	4	12	64	74	36	46	16	12	21	6	/	M5	86
12	M6	6	M16x1.5	19	12	13.27	18	6	16	75	88	38	48	22	18	27	9	5	M5	104
16	M6	6	M16x1.5	19	12	17.27	18	6	16	82	93	43	53	22	18	27	9	5	M5	109
20	M8	8	M22	27	16	21.27	25.5	8	20	95	111	51.5	67	24	20	32	12	7	1/8"	131
25	M10x1.25	10	M22	30	16	26.5	28.5	8	22	104	118	52	68	28	22	36	12	9	1/8"	140

### CPMD-...C

Ø (mm)	A <sub>1</sub>	A <sub>2</sub>	B	C	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	E	F	G <sub>1</sub>	G <sub>2</sub>	G <sub>3</sub>	K	L <sub>1</sub>	L <sub>2</sub>	N	CH	R	P	M
16	M6	6	M16x1.5	21	12	17.27	18	6	16	82	93	43	21	17	26	9	5	M5	55	109
20	M8	8	M22x1.5	27	16	21.27	25.5	8	20	95	111	51.5	24	20	32	12	7	1/8"	67	131
25	M10x1.25	10	M22x1.5	30	16	26.5	28.5	8	22	104	118	52	28	22	36	12	9	1/8"	68	140

### CPMD-...T

Ø (mm)	A <sub>1</sub>	A <sub>2</sub>	B	C	D	E	CH	R
8	M4	4	M12x1.25	78	62	12	/	M5
10	M4	4	M12x1.25	78	62	12	/	M5
12	M6	6	M16x1.5	94	70.5	16	5	M5
16	M6	6	M16x1.5	96.5	74.5	16	5	M5
20	M8	8	M22x1.5	116	92	20	7	1/8"
25	M10x1.25	10	M22x1.5	125	97	22	9	1/8"