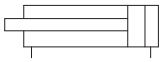
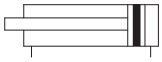
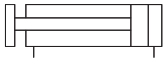
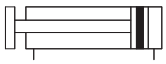
Standard executions		
Version	Symbol	Type
Double acting, not magnetic		DU
Double acting, magnetic		DUM
Double acting, not magnetic, anti-rotating		DUN
Double acting, magnetic, anti-rotating		DUNM

Series of compact cylinders double acting.

The barrel with grooves allow the mounting of the magnetic reed switches directly in the tube without brackets; the magnetic reed switches will not protrude out the barrel profile. One or more magnetic reed switches can be mounted on the cylinder.
Six sides of this cylinder can be attached unto objects for space-saving purpose.

For the magnetic reed switches type ASC see from page 1.110.2.
For rod mountings see from page 1.85.1.

Options	Suffix
Special on request	/ S

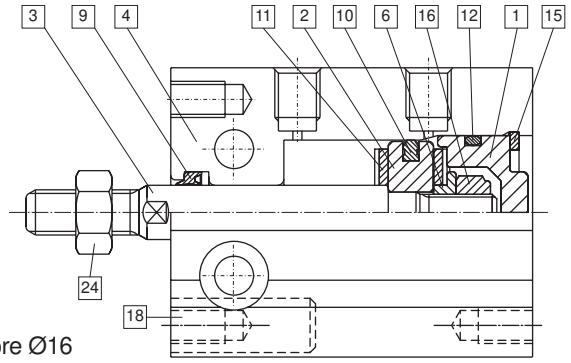
How to order: 20/30 DUM

20	/	30	DUM	
Bore	/	Stroke	Type	Option

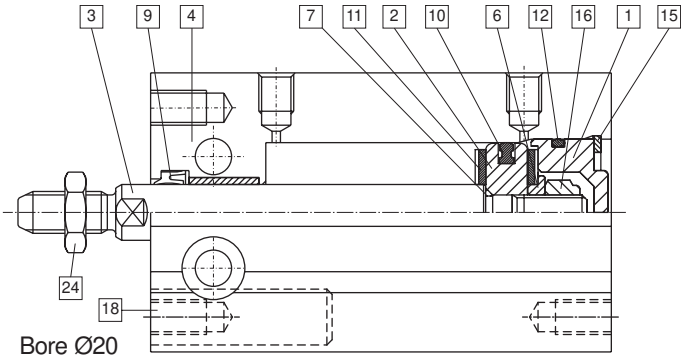
Technical data						
Fluid	Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.					
Bore	Ø 6	Ø 10	Ø 16	Ø 20	Ø 20	Ø 32
Pressure range	3 ÷ 7 bar	1,5 ÷ 7 bar		1 ÷ 7 bar		
Temperature range	-10 °C ÷ + 60°C					

Bore (mm)	Standard stroke DU	Standard stroke DUM	Standard stroke DUN	Standard stroke DUNM
6	-	5, 10, 15, 20, 25, 30	-	-
10	-	5, 10, 15, 20, 25, 30	-	-
16	5, 10, 15, 20, 25, 30	5, 10, 15, 20, 25, 30	5, 10, 15, 20, 25, 30	5, 10, 15, 20, 25, 30
20	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50
25	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50
32	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50	5, 10, 15, 20, 25, 30, 40, 50

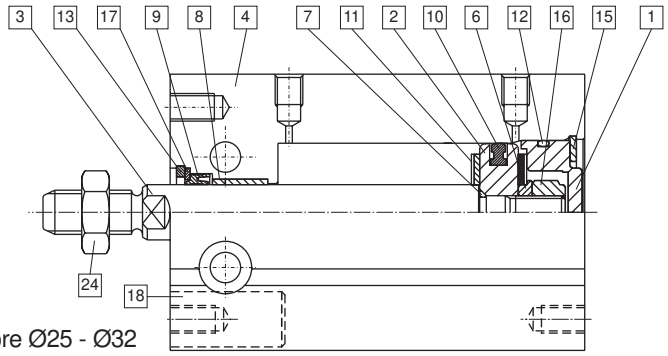
Type: **DU - DUN**
(Bore Ø16 ÷ Ø32)



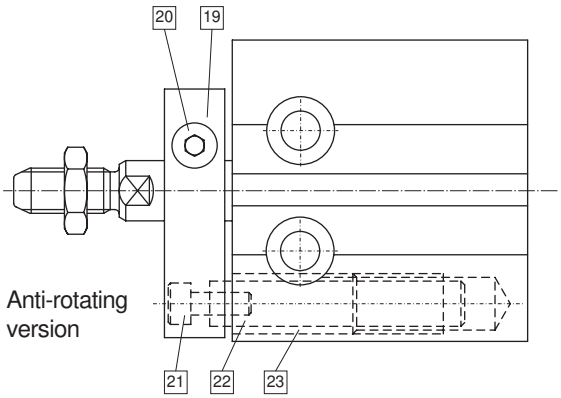
Bore Ø16



Bore Ø20



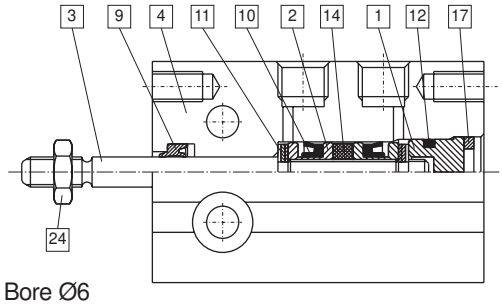
Bore Ø25 - Ø32



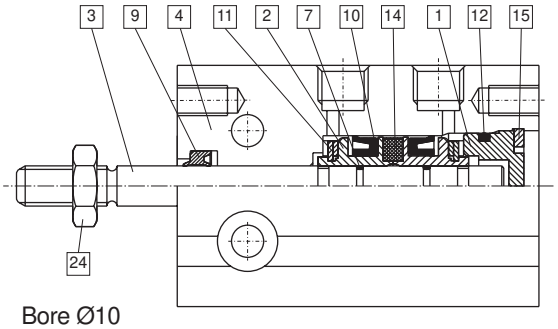
Anti-rotating version

Materials			
1 End cover	Hard anodised aluminium alloy	13 Retaining ring	Carbon steel nickel plating
2 Piston	Brass (Ø6 ÷ Ø10) Hard anodised aluminium (Ø16 ÷ Ø32)	14 Magnet	Magnetic material
3 Piston rod	Stainless steel (Ø6 ÷ Ø16) - Carbon steel (Ø20 ÷ Ø32)	15 Retaining ring	Carbon steel nickel plating
4 Cylinder tube	Hard anodised aluminium alloy	16 Piston nut	Carbon steel galvanizated
5 Magnet holder	Hard anodised aluminium alloy	17 Rod washer	Stainless steel
6 T-washer	Carbon steel nickel plating	18 Screw plug	Hard anodised aluminium alloy
7 O-ring	Nitrile rubber NBR	19 Guide plate	Hard anodised aluminium alloy
8 Oilless bearing	Oil-impregnated sintered alloy	20 Screw	Carbon steel nickel plating
9 Rod packing	PU (Ø6 ÷ Ø16) - Nitrile rubber NBR (Ø20 ÷ Ø32)	21 Screw	Carbon steel nickel plating
10 Piston packing	Nitrile rubber NBR	22 Guide stem	Carbon steel
11 Rubber lining	Nitrile rubber NBR	23 Oilless bearing	Oil-impregnated sintered alloy
12 Cylinder gasket	Nitrile rubber NBR	24 Rod end nut	Stainless steel (Ø6 ÷ Ø10) Carbon steel nickel plating (Ø16 ÷ Ø32)

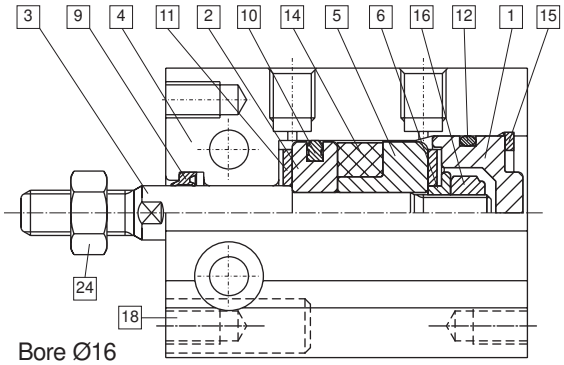
Type: **DUM - DUNM**
(Bore Ø6 ÷ Ø32)



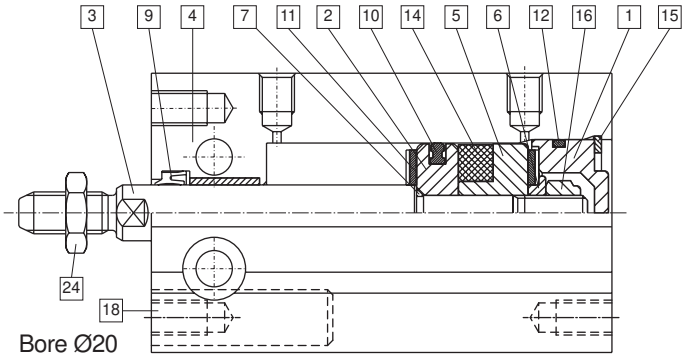
Bore Ø6



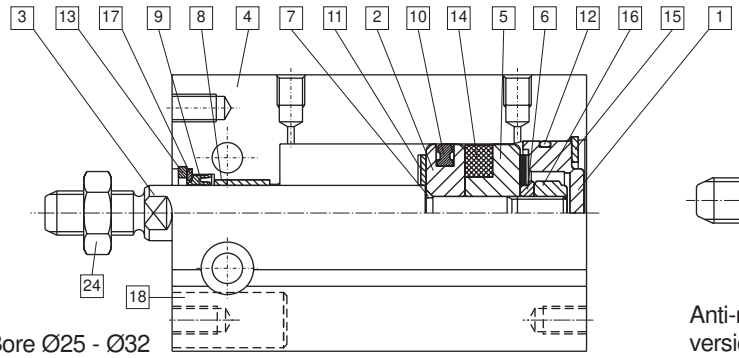
Bore Ø10



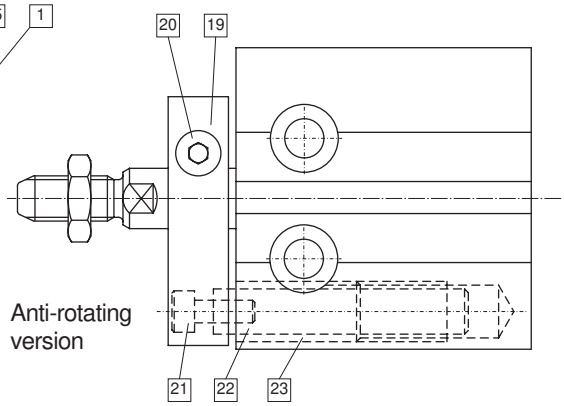
Bore Ø16



Bore Ø20



Bore Ø25 - Ø32

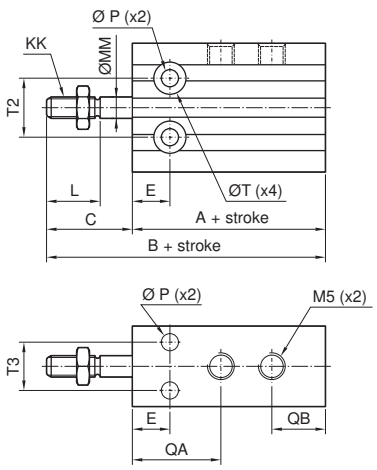


Anti-rotating version

Materials

1	End cover	Hard anodised aluminium alloy	13	Retaining ring	Carbon steel nickel plating
2	Piston	Brass (Ø6 ÷ Ø10) Hard anodised aluminium (Ø16 ÷ Ø32)	14	Magnet	Magnetic material
3	Piston rod	Stainless steel (Ø6 ÷ Ø16) - Carbon steel (Ø20 ÷ Ø32)	15	Retaining ring	Carbon steel nickel plating
4	Cylinder tube	Hard anodised aluminium alloy	16	Piston nut	Carbon steel galvanizated
5	Magnet holder	Hard anodised aluminium alloy	17	Rod washer	Stainless steel
6	T-washer	Carbon steel nickel plating	18	Screw plug	Hard anodised aluminium alloy
7	O-ring	Nitrile rubber NBR	19	Guide plate	Hard anodised aluminium alloy
8	Oilless bearing	Oil-impregnated sintered alloy	20	Screw	Carbon steel nickel plating
9	Rod packing	PU (Ø6 ÷ Ø16) - Nitrile rubber NBR (Ø20 ÷ Ø32)	21	Screw	Carbon steel nickel plating
10	Piston packing	Nitrile rubber NBR	22	Guide stem	Carbon steel
11	Rubber lining	Nitrile rubber NBR	23	Oilless bearing	Oil-impregnated sintered alloy
12	Cylinder gasket	Nitrile rubber NBR	24	Rod end nut	Stainless steel (Ø6 ÷ Ø10) Carbon steel nickel plating (Ø16 ÷ Ø32)

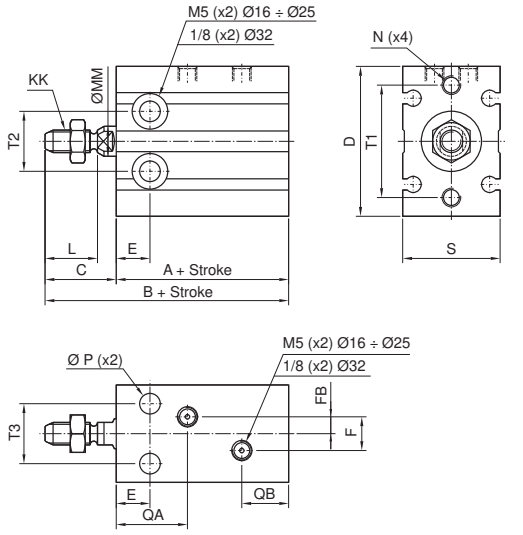
Type: **DU - DUM**
Bore: 6 - 10



Ø (mm)	A DU	B DU	A DUM	B DUM	C	D	E	F	FB	L	KK	MM	N	P	QA	QB	S
6	-	-	33	46	13	22	7	-	-	7	M3	3	M3	3,2	15	10	13
10	-	-	36	52	16	24	7	-	-	10	M4	4	M3	3,2	15	11	18

Ø (mm)	T	T1	T2	T3												
6	Ø 6 depth 4.8	17	10	7												
10	Ø 6 depth 5	17	10	7												

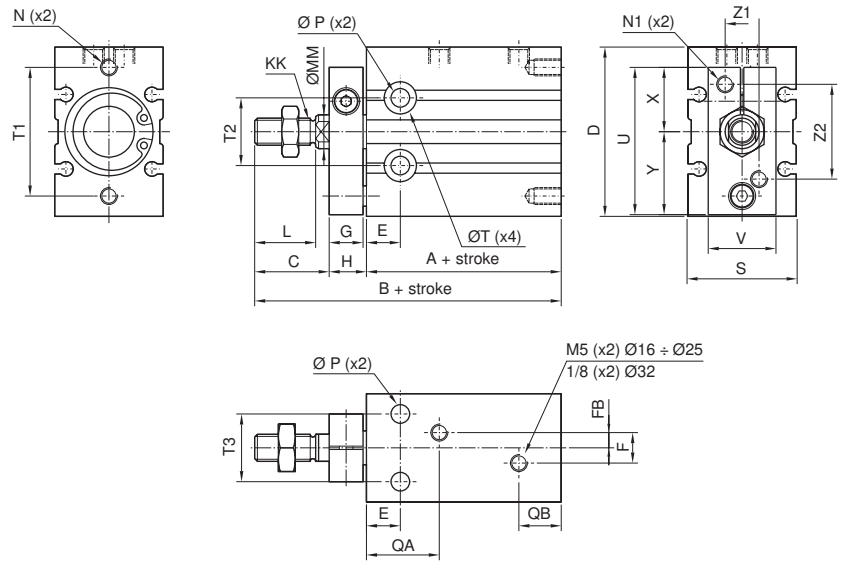
Type: **DU - DUM**
Bore: 16 - 32



Ø (mm)	A DU	B DU	A DUM	B DUM	C	D	E	F	FB	L	KK	MM	N	P	QA	QB	S
16	30	46	40	56	16	32	7	4	2	12,5	M5	6	M4	4,3	14	11,5	20
20	36	55	46	65	19	40	9	9	4,5	14	M6	8	M5	5,2	18	12,5	26
25	40	63	50	73	23	50	10	9	4,5	18	M8	10	M5	5,5	21,5	12,5	32
32	42	69	52	79	27	62	11	13,5	4,5	22	M10	12	M6	6,6	23	13	40

Ø (mm)	T	T1	T2	T3												
16	Ø 7,6 depth 6,5	25	14	12												
20	Ø 9 depth 7,6	30	16	16												
25	Ø 9,5 depth 9	38	20	20												
32	Ø 11 depth 11	48	24	24												

Type: **DUN - DUNM**
Bore: 16 - 32



Ø (mm)	A DU	B DU	A DUM	B DUM	C	D	E	F	FB	G	H	L	KK	MM	N	N1	P
16	30	56	40	66	17	32	7	4	2	8	9	12,5	M5	6	M4	M4	4,3
20	36	65	46	75	20	40	9	9	4,5	8	9	14	M6	8	M5	M4	5,2
25	40	73	50	83	22	50	10	9	4,5	10	11	18	M8	10	M5	M5	5,5
32	42	84	52	94	29	62	11	13,5	4,5	12	13	22	M10	12	M6	M5	6,5

Ø (mm)	T	T1	T2	T3	QA	QB	S	U	V	X	Y	Z1	Z2			
16	Ø 7,6 depth 6,5	25	14	12	14	11,5	20	28	13	12,5	15,5	6	18			
20	Ø 9 depth 7,6	30	16	16	18	12,5	26	33	16	13,5	19,5	8	20			
25	Ø 9,5 depth 9	38	20	20	21,5	12,5	32	43,5	20	19	24,5	10	28			
32	Ø 11 depth 11	48	24	24	23	13	40	51,5	24	21	30,5	12	32			