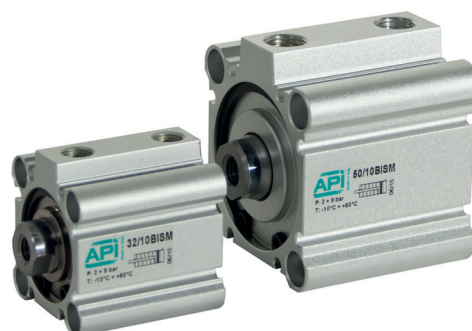


Standard executions		
Version	Symbol	Type
Single acting with female thread		BIS
Single acting with male thread		BMIS
Single acting magnetic with female thread		BISM
Single acting magnetic with male thread		BMISM



Series of short stroke cylinders standard magnetic and non-magnetic.

The shirt shaped extruded aluminum with mounting holes formed directly on it.

In the magnetic type, the sensor can be fixed in the special slot in the tube without having to use additional brackets; this makes that the magnetic sensor does not protrude beyond the profile of the tube. One or more sensors can be applied.

Provided with elastic dampers on the heads.

For the magnetic reed switches type ASC
For rod accessories

see page 1.110.2
see from page 1.85.1

Options	Suffix
Single acting, rear spring	T
Rod in stainless steel AISI 304	K
Seals FKM -20°C ÷ +150°C	V
Special on request	/S

When possible options can be combined.

The suffix of the options are to be added to the model number of the standard product, as shown in the following table.

How to order: 63/100BIMP

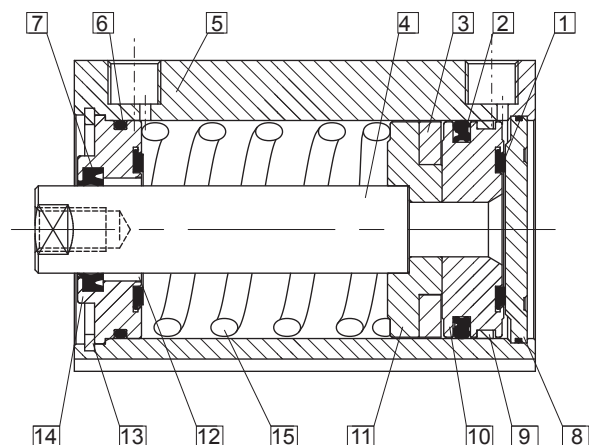
63	/	100	BIM	P
Bore	/	Stroke	Type	Option

Technical data								
Fluid	Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.							
Bores	12	16	20	25	32	40	50	63
Pressure range	2 ÷ 9 bar							
Max. pressure	13,5 bar							
Velocity	50 ÷ 500 mm/s							
Ports	M5 x 0,8				G1/8		G1/4	
Stroke	from 5 to 20 mm		from 5 to 30 mm					
Temperature	-10 °C ÷ +80°C (standard)				-20°C ÷ +150°C (V)			

Short Stroke Cylinders

Bores from 12 to 63 mm

Technical data single acting



Materials (standard types)

1	Buffer	Nitrilic rubber NBR
2	Piston seals	Nitrilic rubber NBR
3	Magnet	Magnetic material
4	Rod	Chrome-plated steel C45
5	Tube	Aluminium anodised
6	Seals	Nitrilic rubber NBR
7	Rod seals	Nitrilic rubber NBR
8	Posterior head	Aluminium anodised
9	Guide shoe	PTFE + graphite
10	Half piston	Aluminium alloy
11	Half piston	Aluminium alloy
12	Bushing	Self-lubricating sintered bronze
13	Seeger	Harmonic steel
14	Front head	Brass (Ø 12 - 25 mm) Aluminium alloy (Ø 32 - 100 mm)
15	Spring	Steel for spring

Bores (mm)	Standard stroke BIS - BMIS - BISM - BMISM
12	5, 10, 15, 20
16	5, 10, 15, 20
20	5, 10, 15, 20, 25, 30
25	5, 10, 15, 20, 25, 30
32	5, 10, 15, 20, 25, 30
40	5, 10, 15, 20, 25, 30
50	5, 10, 15, 20, 25, 30
63	5, 10, 15, 20, 25, 30

Short Stroke Cylinders

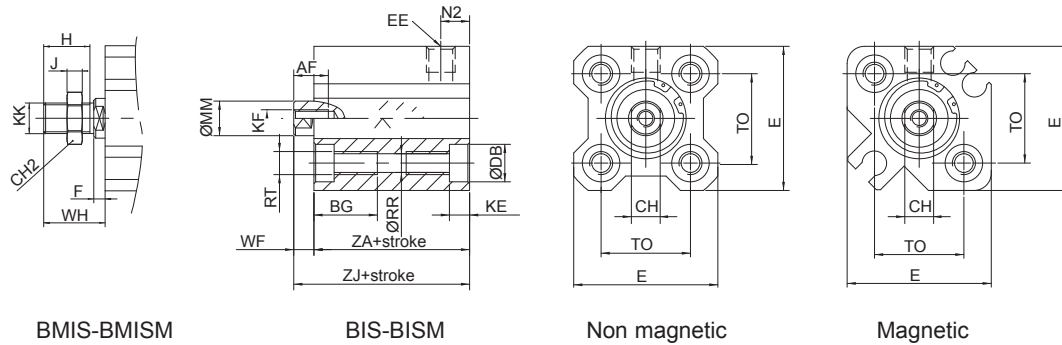
Bores from 12 to 63 mm

Standard dimensions single acting



Type: **BIS - BMIS - BISM - BMISM**

Bore: 12

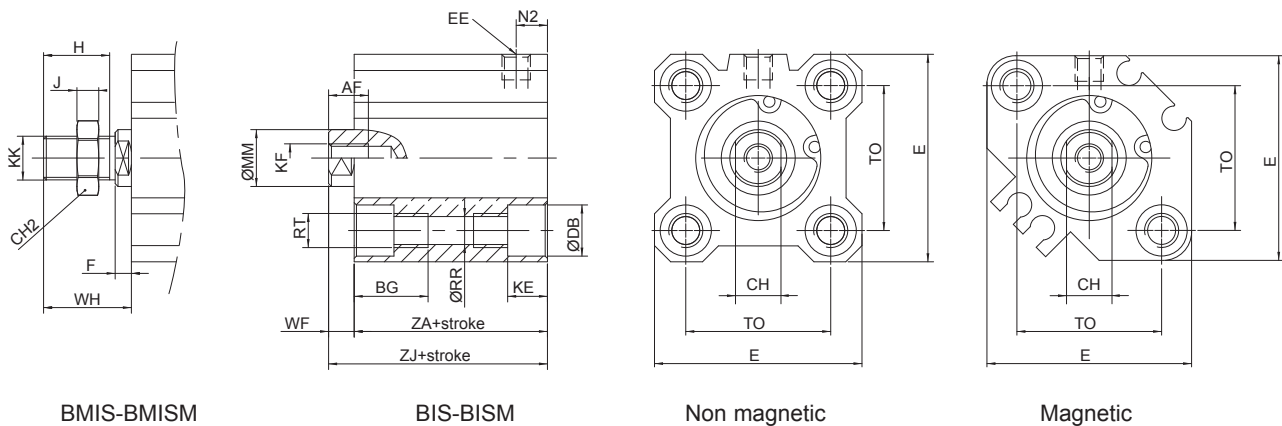


Ø (mm)	Ø MM f7	AF	WF	Non magnetic					Magnetic					EE	BG	RR	E	TO ±1	RT
				ZJ		ZA		N2	ZJ		ZA		N2						
				5+10	15+20	5+10	15+20		5+10	15+20	5+10	15+20							
Corsa				5+10	15+20	5+10	15+20	N2	5+10	15+20	5+10	15+20	N2						
12	6	6	3,5	36,5	41,5	33	38	7	47	52	33	38	7	M5 x 0,8	11	3,5	25	15,5	M4 x 0,7

Ø (mm)	Ø DB	KE	KF	CH	H	J	F	WH	KK	CH2
12	6,5	3,5	M3 X 0,5	5	9	4	3,5	14	M5 x 0,8	8

Type: **BIS - BMIS - BISM - BMISM**

Bore: 16 - 25



Ø (mm)	Ø MM f7	AF	WF	Non magnetic							Magnetic						
				ZJ			ZA			N2	ZJ			ZA			N2
Corsa				5+10	15+20	25+30	5+10	15+20	25+30		5+10	15+20	25+30	5+10	15+20	25+30	
16	8	8	3,5	27	32	-	23,5	28,5	-	5,5	39	44	-	35,5	40,5	-	5,5
20	10	7	4,5	29	34	39	24,5	29,5	34,9	5,5	41	46	51	36,5	41,5	46,5	5,5
25	12	12	5	32,5	37,5	42,5	27,5	32,5	37,5	5,5	42,5	47,5	52,5	37,5	42,5	47,5	5,5

Ø (mm)	EE	BG	RR	E	TO ±1	RT	Ø DB	KE	KF	CH	H	J	F	WH	KK	CH2
16	M5 x 0,8	11	3,5	29	19,8	M4 x 0,7	6,5	3,4	M4 x 0,7	6	10	5	3,5	15,5	M6 x 1	10
20	M5 x 0,8	17	5,5	36	25,5	M6 x 1	9	7	M5 x 0,8	8	12	6	4,5	18,5	M8 x 1,25	12
25	M5 x 0,8	17	5,5	40	28	M6 x 1	9	7	M6 x 1	10	15	6	5	22,5	M10 x 1,5	17

Short Stroke Cylinders

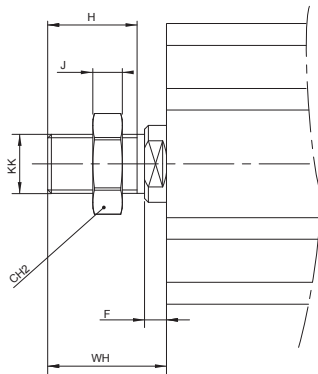
Bores from 12 to 63 mm

Standard dimensions and Options single acting

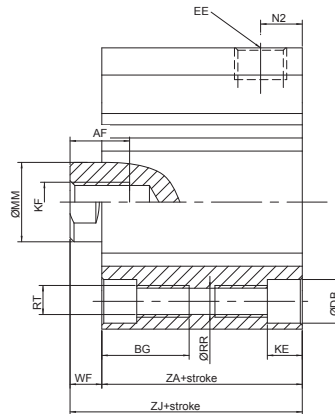


Type: **BIS - BMIS - BISM - BMISM**

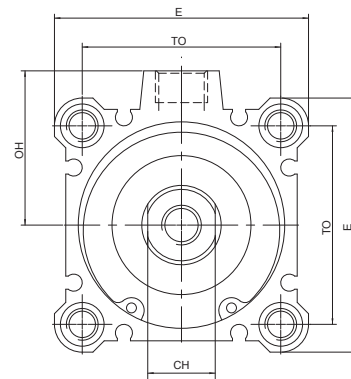
Bores: 32 - 63



BMIS-BMISM



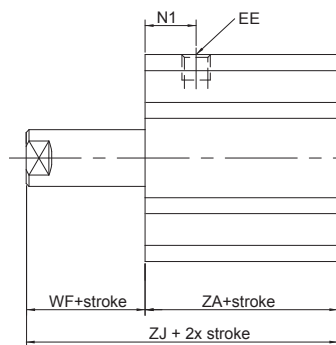
BIS-BISM



Ø (mm)	Ø MM f7	AF	WF	Non magnetic							Magnetic						
				ZJ			ZA			N2	ZJ			ZA			N2
				5÷10	15÷20	25÷30	5÷10	15÷20	25÷30		5÷10	15÷20	25÷30	5÷10	15÷20	25÷30	
32	16	13	7	35	40	45	28	33	38	7,5	45	50	55	38	43	48	7,5
40	16	13	7	41,5	46,5	51,5	34,5	39,5	44,5	8	51,5	56,5	61,5	44,5	49,5	54,5	8
50	20	15	8	48,5	53,5	58,5	40,5	45,5	50,5	10,5	58,5	63,5	68,5	50,8	55,5	60,5	10,5
63	20	15	8	54	59	64	46	51	56	10,5	64	69	74	56	61	66	10,5

Ø (mm)	EE	BG	RR	E	OH	TO ±1	RT	Ø DB	KE	KF	CH	H	J	F	WH	KK	CH2
32	1/8"	17	5,6	45	27,1	34	M6 x 1	9	7	M8 x 1,25	14	20,5	8	5	28,5	M14x1,5	19
40	1/8"	17	5,6	52	31	40	M6 x 1	9	7	M8 x 1,25	14	20,5	8	5	28,5	M14x1,5	19
50	1/4"	22	6,6	64	38,9	50	M8 x 1,25	11	8	M10 x 1,5	17	26	11	5	33,5	M18x1,5	27
63	1/4"	28,5	9	77	45,5	60	M10 x 1,5	14	10,5	M10 x 1,5	17	26	11	5	33,5	M18x1,5	27

Type: ...T



Ø (mm)	WF	Non magnetic							Magnetic							EE
		ZJ			ZA			N1	ZJ			ZA			N1	
		5÷10	15÷20	25÷30	5÷10	15÷20	25÷30		5÷10	15÷20	25÷30	5÷10	15÷20	25÷30		
Corsa																
12	3,5	36,5	41,5	-	33	38	-	9	47	52	-	33	38	-	9	M5 x 0,8
16	3,5	27	32	-	23,5	28,5	-	8	39	44	-	35,5	40,5	-	8	M5 x 0,8
20	4,5	29	34	39	24,5	29,5	34,9	9	41	46	51	36,5	41,5	46,5	9,5	M5 x 0,8
25	5	32,5	37,5	42,5	27,5	32,5	37,5	11	42,5	47,5	52,5	37,5	42,5	47,5	11	M5 x 0,8
32	7	35	40	45	28	33	38	10,5	45	50	55	38	43	48	10,5	1/8"
40	7	41,5	46,5	51,5	34,5	39,5	44,5	11	51,5	56,5	61,5	44,5	49,5	54,5	11	1/8"
50	8	48,5	53,5	58,5	40,5	45,5	50,5	10,5	58,5	63,5	68,5	50,8	55,5	60,5	10,5	1/4"
63	8	54	59	64	46	51	56	15	64	69	74	56	61	66	15	1/4"