



Ordering code

6312.Ø.D

- 16
- 20
- 25
- 32
- 40
- 50
- 63
- 80
- 100
- 125



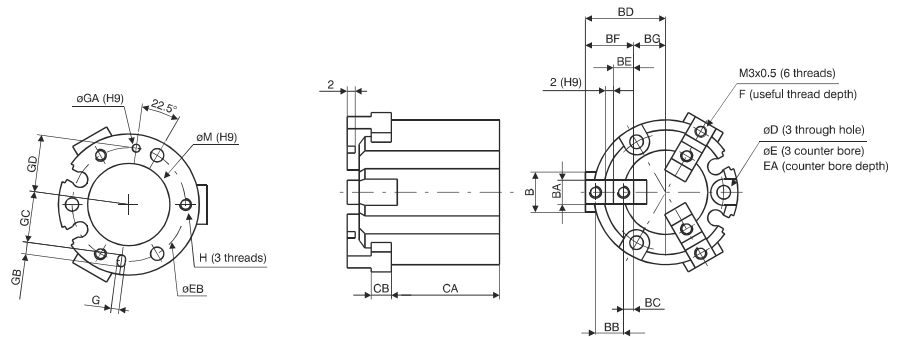
Construction characteristics

Body	aluminium
Piston	aluminium
Wedge	steel
Fingers	steel

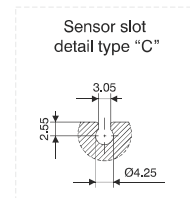
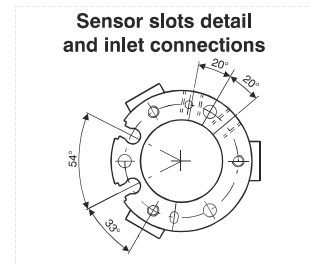
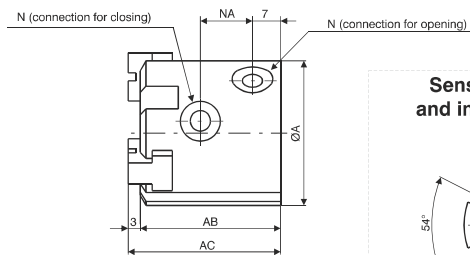
Technical characteristics

Function	double acting
Fluid	filtered and preferably lubricated air or not (If lubricated the lubrication must be continuous)
Working pressure	2 - 6 bar (Ø16 - Ø20 - Ø25) - 1 - 6 bar (Ø32 - Ø125)
Working temperature	-5°C - +70°C
Maximum operating frequency	from Ø 16 to Ø 25, 120 cycles/minute from Ø 32 to Ø 63, 60 cycles/minute from Ø 80 to Ø 125, 30 cycles/minute

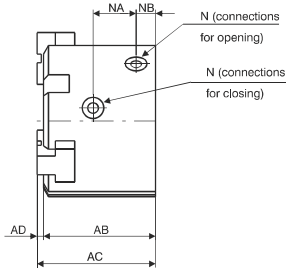
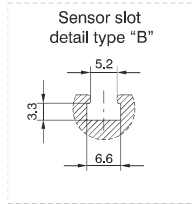
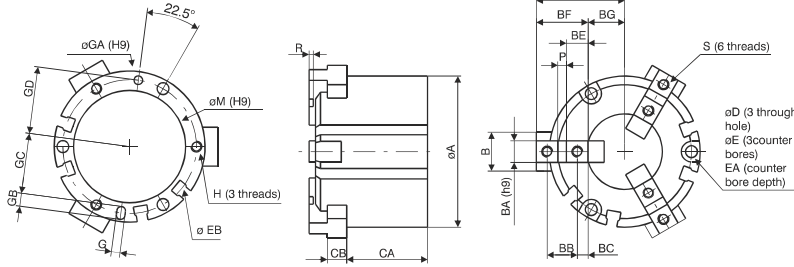
Overall dimensions Ø16 - Ø25



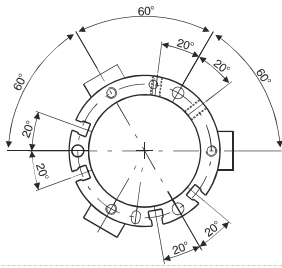
Bore	Ø16	Ø20	Ø25
ØA	30	36	42
AB	32	35	37
AC	35	38	40
B	8	10	12
BA ^{H9}	5	6	6
BB	6	7	8
BC	2	2,5	3
BD	open	17	20
	close	15	18
BE	4	5	6
BF	10	12	14
BG	open	7	8
	close	5	6
CA	25	27	28
CB	4	5	5
D	3,4	3,4	4,5
E	6,5	6,5	8
EA	8	9,5	10
EB	25	29	34
F	5	6	6
G ^{H9}	2	2	3
	Useful depth	2	3
ØGA ^{H9}	2	2	3
	Useful depth	2	3
GB	3	3	5
GC	11	13	14,5
GD	12,5	14,5	17
H	M3x0,5	M3x0,5	M4x0,7
	Useful depth	4,5	6
ØM ^{H9}	1,5	1,5	1,5
	Useful depth	1,5	1,5
N	M3x0,5	M5x0,8	M5x0,8
NA	11	13	15
Weight (gr.)	62	98	139



Overall dimensions Ø32 and Ø80

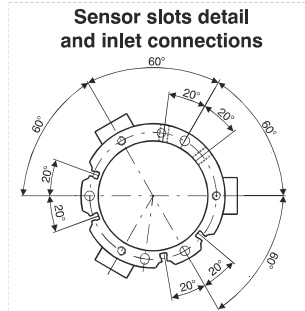
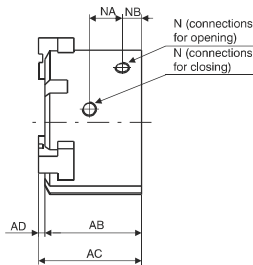
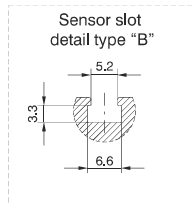
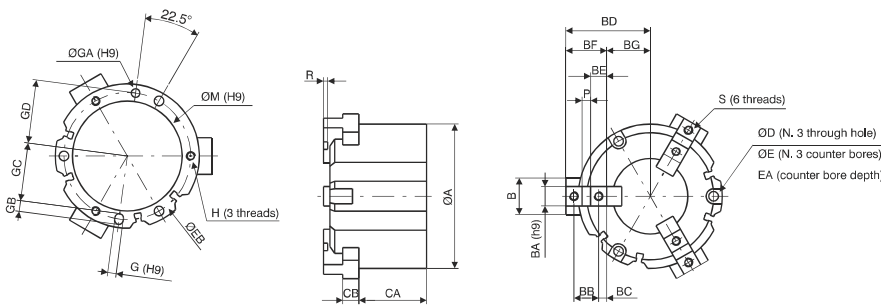


Sensor slots detail and inlet connections



Bore	Ø32	Ø40	Ø50	Ø63	Ø80
ØA	52	62	70	86	106
AB	41	44	52	62	77
AC	44	47	55	66	82
AD	3	3	3	4	5
B	14	16	18	24	28
BA ^{h9}	8	8	10	12	14
BB	11	12	14	17	20
BC	4,5	4,5	5	5,5	6
BD	open 32	open 35	open 41	open 51	open 63,5
BD	close 28	close 31	close 35	close 43	close 53,5
BE	9	9	10	11	12
BF	20	21	24	28	32
BG	open 12	open 14	open 17	open 23	open 31,5
BG	close 8	close 10	close 11	close 15	close 21,5
CA	30,5	32	37,5	44	56
CB	6	7	9	11	12
D	4,5	5,5	5,5	6,6	6,6
E	8	9,5	9,5	11	11
EA	9	9	12	14	19
EB	44	53	62	76	95
H	M4x0,7	M5x0,8	M5x0,8	M6x1	M6x1
H	Useful depth 6	Useful depth 7,5	Useful depth 10	Useful depth 9	Useful depth 12
G ^{H9}	3	4	4	5	6
G ^{H9}	Useful depth 3	Useful depth 4	Useful depth 4	Useful depth 5	Useful depth 6
ØGA ^{H9}	3	4	4	5	6
ØGA ^{H9}	Useful depth 3	Useful depth 4	Useful depth 4	Useful depth 5	Useful depth 6
GB	5	6	6	7	8
GC	19,5	23,5	28	34,5	43,5
GD	22	26,5	31	38	47,5
N	M5x0,8	M5x0,8	M5x0,8	M5x0,8	G1/8
ØM ^{H9}	34	42	52	65	82
ØM ^{H9}	Useful depth 2	Useful depth 2	Useful depth 2	Useful depth 2,5	Useful depth 3
NA	16	17	20	22	27
NB	8	9	9	12	13,5
P ^{H9}	2	3	4	6	8
R	2	2	2	3	4
S	M4x0,7	M4x0,7	M5x0,8	M5x0,8	M6x1
S	Useful depth 8	Useful depth 8	Useful depth 10	Useful depth 10	Useful depth 12
Gewicht (gr.)	240	354	542	1000	1850

Overall dimensions Ø100 and Ø125



Bore	Ø100	Ø125
ØA	134	166
AB	90	114
AC	96	122
AD	6	8
B	34	40
BA ^{h9}	18	22
BB	23	31
BC	7,5	10,5
BD	open 78	open 98
BD	close 66	close 82
BE	15	21
BF	38	52
BG	open 40	open 46
BG	close 28	close 30
CA	63	84
CB	15	18
ØD	9	11
ØE	14	17,5
EA	21	34
EB	118	148
G ^{H9}	8	10
G ^{H9}	Useful depth 6	Useful depth 8
ØGA ^{H9}	8	10
ØGA ^{H9}	Useful depth 6	Useful depth 8
GB	10	12
GC	54	68
GD	59	74
H	M8x1,25	M10x1,5
H	Useful depth 16	Useful depth 20
ØM ^{H9}	102	130
ØM ^{H9}	Useful depth 4	Useful depth 6
N	G1/4	G3/8
NA	30,6	38
NB	18	23,5
P ^{H9}	8	10
R	4	6
S	M8x1,25	M10x1,5
S	Useful depth 16	Useful depth 20
Gewicht (gr.)	3360	6430

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Gripping force (N)

