



TRANSPORTING,
PUSHING,
PULLING
STOPPING,
LIFTING,
COMPRESSION

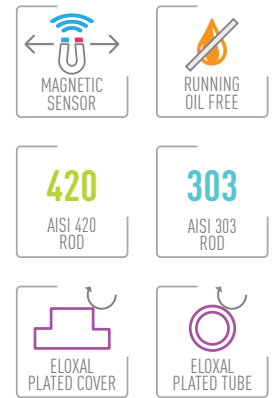
PGB SERIES

TWIN GUIDE CYLINDERS // $\varnothing 12 - \varnothing 63$

DOUBLE ACTING CYLINDER WITH MAGNETIC



- Twin guide cylinders are generally used in food and automotive industries; transporting and pushing objects in the white goods industry, for stopping, lifting and compression.
- Additionally twin guide cylinders can be used in automation systems, conveyor lines, arranging, aligning and cutting materials in all packing positions.
- Superior bearing elements allow forces upon the cylinder from both vertical and horizontal directions, minimizing axial deviations.
- Variety of attachment points on the front flange and body provides ease in the assembly of the cylinders.



PGB SERIES

TWIN GUIDE CYLINDERS // $\varnothing 12 - \varnothing 63$

DOUBLE ACTING CYLINDER WITH MAGNETIC



PGB
TWIN GUIDE
DOUBLE ACTING
CYLINDER WITH
MAGNETIC

- DURABLE AND LIGHT ALUMINIUM BODY AGAINST EXTERNAL FACTORS
- SPECIALLY DESIGNED BEARING AGAINST BENDING AND TURNING MOMENTUM, WHICH MAY OCCUR IN AXIAL DIRECTIONS
- EASY ASSEMBLY CONNECTION POINTS
- SUITABLE FOR USE IN ALL SECTORS REQUIRING TRANSPORT, POSITIONING AND STOPPING

FORCE

Cylinder \varnothing mm	Rod \varnothing mm	Thrust and traction forces (6 Bar)	
		Thrust force (N)	Traction force (N)
12	6	68	51
16	8	121	91
20	10	188	142
25	12	295	227
32	16	482	362
40	16	754	634
50	20	1178	990
63	20	1870	1682

WORK CONDITIONS

Working Fluid:

Filtered and lubricated or filtered and not lubricated air

Operating Temperature Range:

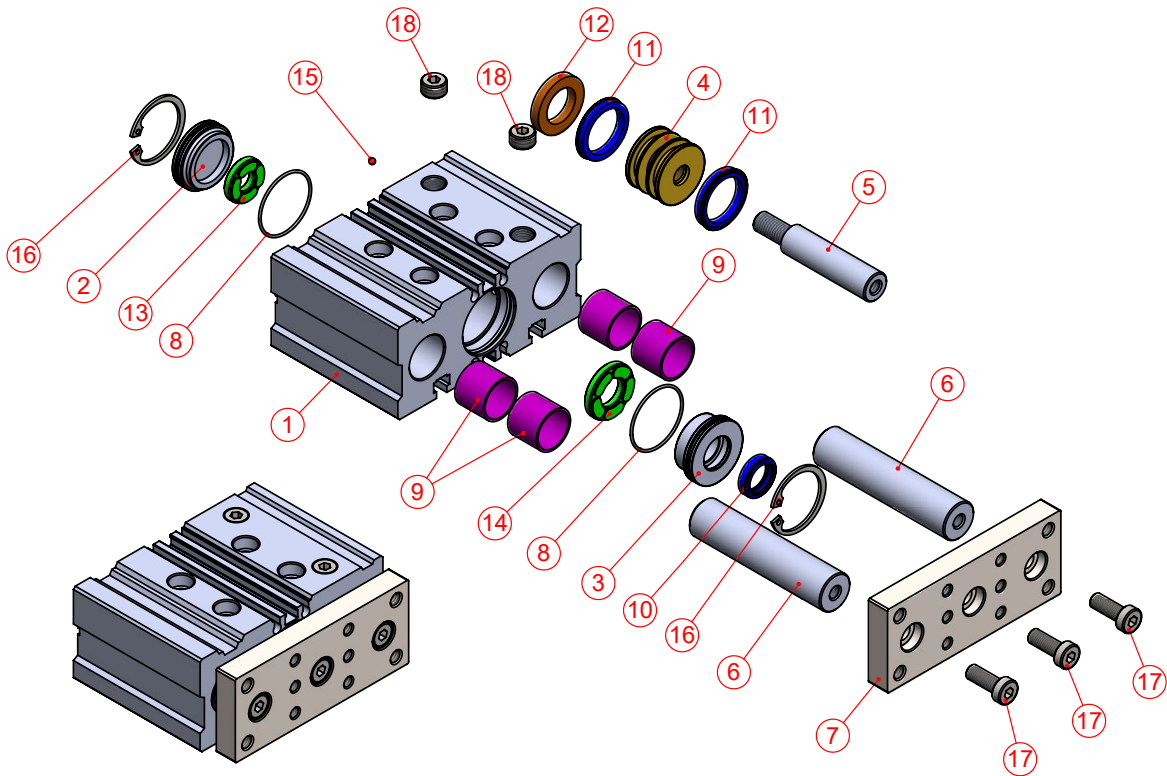
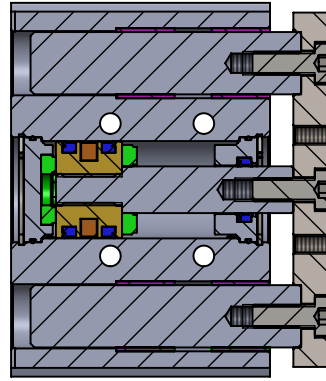
Polyurethane (PU) : (-20°C) - (+80°C)

Max. Work Pressure:

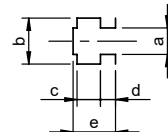
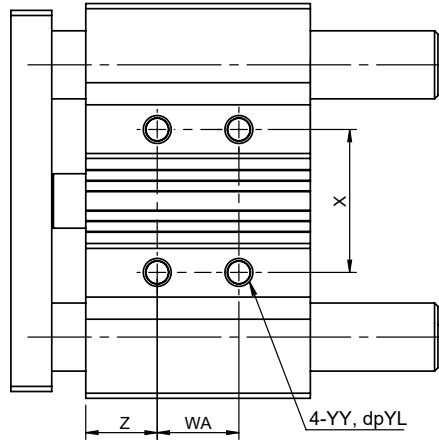
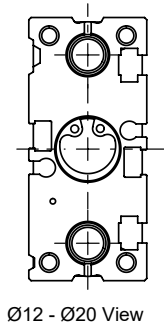
10 Bar

EXAMPLE OF ORDER

PGB 032 - 025
 Product code Cylinder \varnothing Stroke

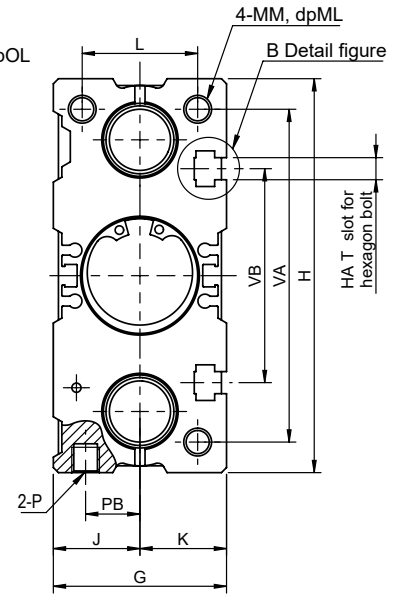
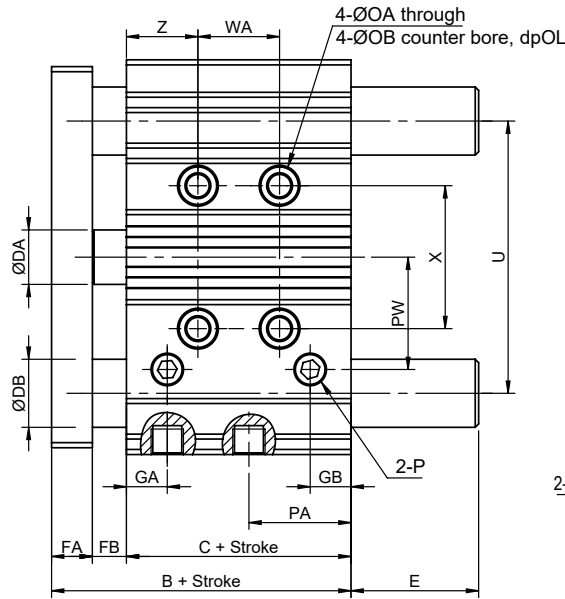
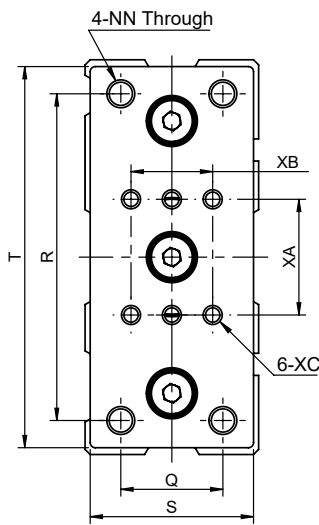


No	Material name	Characteristic	Pc
1	CYLINDER BODY	AL.+ELOXAL PLATED	1
2	REAR HEAD	6082 AL.+ELOXAL PLATED	1
3	FRONT HEAD	6082 AL.+ELOXAL PLATED	1
4	MIDDLE PISTON	BRASS	1
5	PISTON ROD	STAINLESS STEEL	1
6	GUIDE ROD	STAINLESS STEEL	2
7	FLANGE MOUNTING	GALVANIZED STEEL	1
8	HEAD O-RING	NBR	2
9	GUIDING BUSH	CSB-40	4
10	ROD SEAL	PU	1
11	PISTON SEAL	PU	2
12	MAGNET		1
13	REAR BUMPER	PU 85	1
14	FRONT BUMPER	PU 85	1
15	BALL	STEEL	1
16	RETAINING RING	A2-STAINLESS STEEL	2
17	BOLT	AISI 304	3
18	BLIND RECORD	BRASS	2



B Detail figure

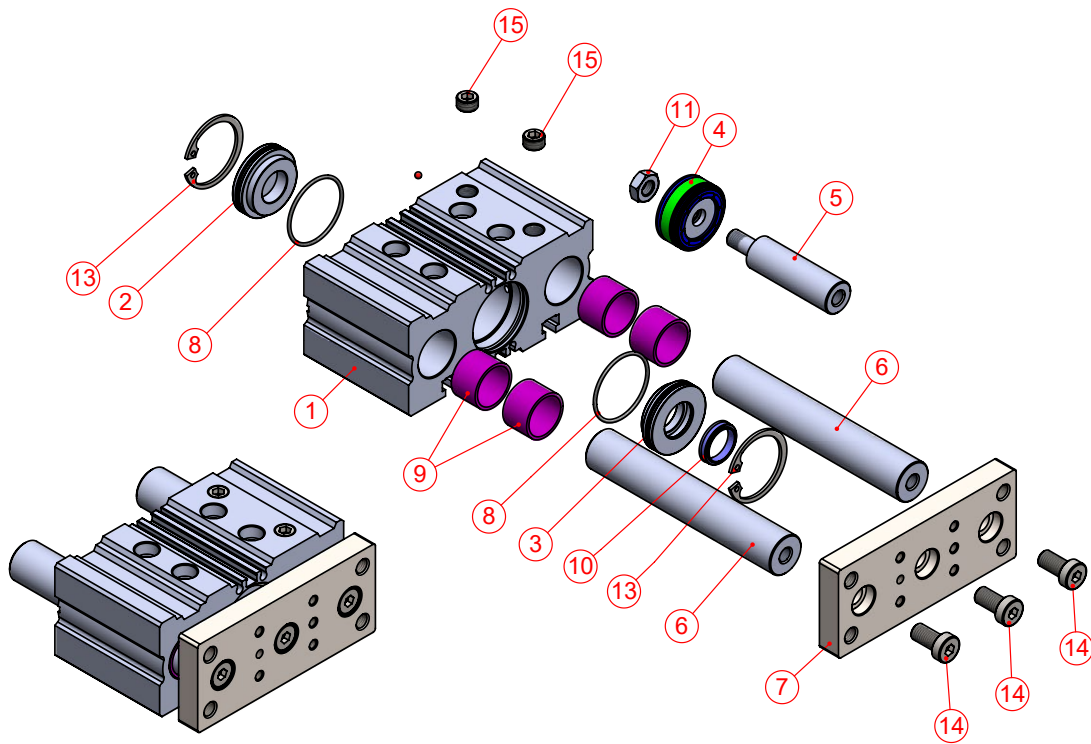
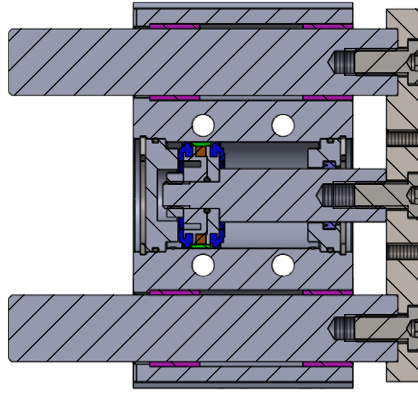
Cylinder Ømm	a	b	c	d	e
12	4.4	7.4	3.7	2	6.2
16	4.4	7.4	3.7	2.5	6.7
20	5.4	8.4	4.5	2.8	7.8
25	5.4	8.4	4.5	3	8.2



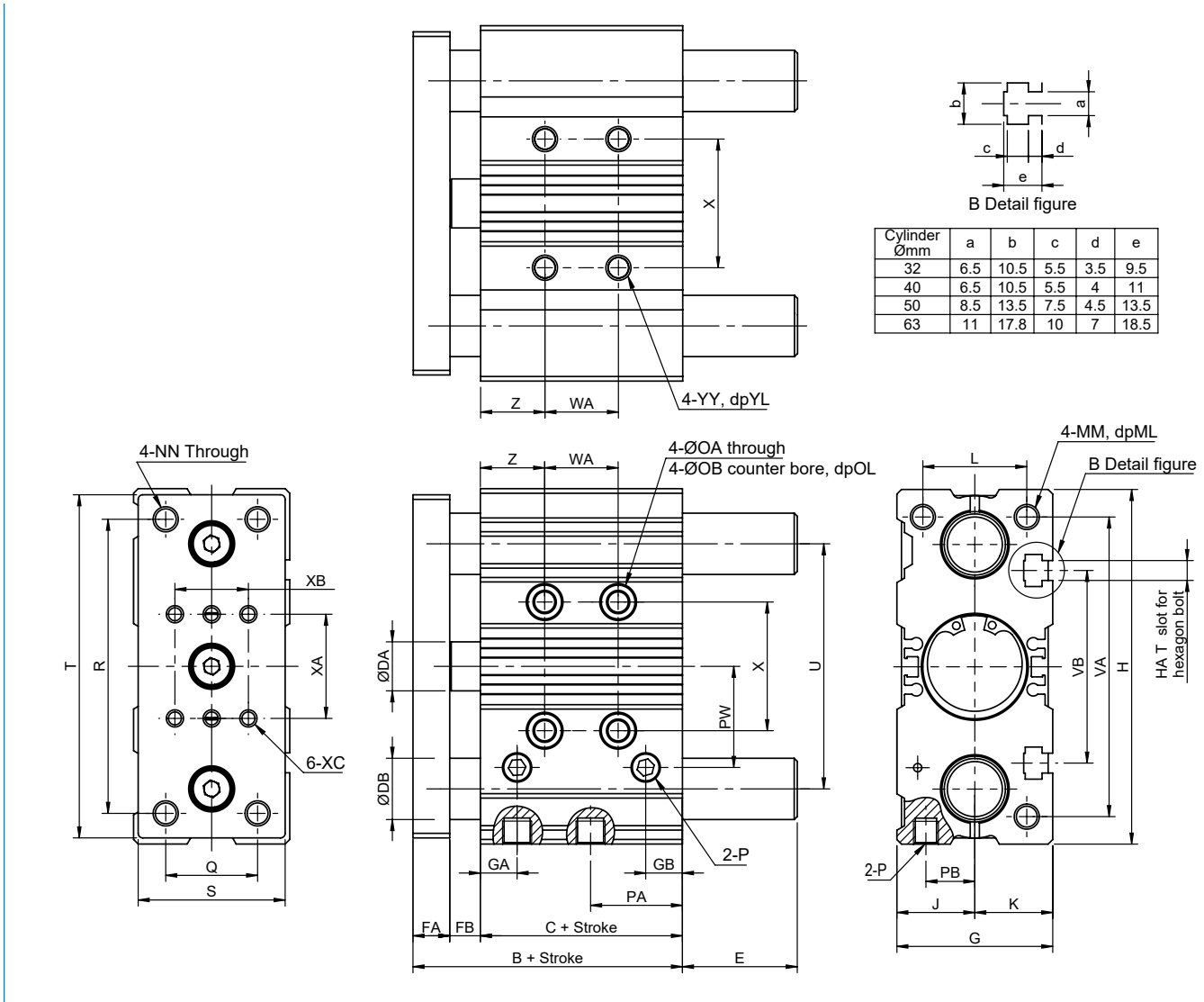
Cylinder Ø mm	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB	PW
12	54	41	6	8	5	26	14	9	58	M4	13	13	17	M4	8	M4	4.2	8	4.5	M5	15	7.7	11.5
16	57.5	44.5	8	10	3	30	14	9	64	M4	15	15	21	M5	10	M5	4.2	8	4.5	M5	16.5	9.7	12
20	58.5	43.5	10	10	5	36	9.5	9.5	85	M5	18	18	24	M5	13	M5	5.2	9.5	5.5	G1/8"	23	9.5	23
25	62.5	46.5	12	10	6	42	10	10	96	M5	21	21	30	M6	15	M6	5.2	9.5	5.5	G1/8"	25	12.5	27.5

Cylinder Ø mm	Q	R	S	T	U	VA	VB	WA					X	XA	XB	XC	YY	YL	Z
								30st or less	Over 30st to 100st	Over 100st to 200st	Over 200st to 300st	Over 300st							
12	14	48	24	56	41.5	50	37	20	40	110	200	-	23	23	14	M4	M5	10	5
16	16	52	28	62	46	56	38	24	44	110	200	-	24	23	20	M4	M5	10	5
20	18	70	33	81	55	72	44	24	44	120	200	300	28	24	24	M4	M6	12	18
25	26	78	38	91	65	82	50	24	44	120	200	300	34	28	24	M5	M6	12	17

Cylinder Ø mm	Standard Stroke (mm)	DB	E				
			50st or less	Over 50st to 100st	Over 100st	Over 50st to 200st	Over 200st
12	10, 20, 25, 30, 40, 50, 80, 100	8	0	18.5	43		
16		10	0	18.5	49		
20	20, 25, 30, 40, 50, 80, 100	12	0			31.5	69
25		16	0			31.5	68.5



No	Material name	Characteristic	Pc
1	CYLINDER BODY	AL.+ELOXAL PLATED	1
2	REAR HEAD	6082 AL.+ELOXAL PLATED	1
3	FRONT HEAD	6082 AL.+ELOXAL PLATED	1
4	MIDDLE PISTON	PU+AL.+POM+MAGNET	1
5	PISTON ROD	X20Cr13+HARD CHROME PLT.	1
6	GUIDE ROD	CK45+HARD CHROME PLATED	2
7	FLANGE MOUNTING	GALVANIZED STEEL	1
8	HEAD O-RING	NBR	2
9	GUIDING BUSH	CSB-40	4
10	ROD SEAL	PU	1
11	NUT	GALVANIZED STEEL	1
12	BALL	STEEL	1
13	RETAINING RING	A2-STAINLESS STEEL	2
14	BOLT	AISI 304	3
15	BLIND RECORD	BRASS	2



Cylinder Ømm	a	b	c	d	e
32	6.5	10.5	5.5	3.5	9.5
40	6.5	10.5	5.5	4	11
50	8.5	13.5	7.5	4.5	13.5
63	11	17.8	10	7	18.5

Cylinder Ø mm	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB	PW
32	63	41	16	12	10	51	12	12	116	M6	25.5	25.5	34	M8	18	M8	6.7	11	6.5	G1/8"	30	16	33
40	66	44	16	12	10	54	13	13	120	M6	27	27	40	M8	20	M8	6.7	11	7.5	G1/8"	31	18	37
50	77	49	20	16	12	65	15	15	148	M8	32.5	32.5	46	M10	22	M10	8.4	14	9	G1/4"	36	21.5	47
63	80.5	52.5	20	16	12	78	15	15	162	M10	39	39	58	M10	22	M10	8.4	14	9	G1/4"	38.5	28	55

Cylinder Ø mm	Q	R	S	T	U	VA	VB	WA					X	XA	XB	XC	YY	YL	Z	
								25st or less	Over 25st to 100st	Over 100st to 200st	Over 200st to 300st	Over 300st								
32	30	96	48	112	80	98	63			to 100st	to 200st	to 300st		42	34	24	M5	M8	16	21
40	30	104	44	118	86	106	72	24	48	124	200	300		50	42	24	M6	M8	16	22
50	40	130	60	146	110	130	92	24	48	124	200	300		66	50	48	M6	M10	20	24
63	50	130	70	158	124	142	110	28	52	128	200	300		80	66	48	M8	M10	20	24

Cylinder Ø mm	Standard Stroke (mm)	DB	E		
			50st or less	Over 50st to 200st	Over 200st
32	25, 30, 40, 50, 80, 100, 125, 150, 160, 200	20	37.5	42.5	80.5
40		20	31	36	74
50		25	34.5	46	89
63		25	29.5	41	84

