Heavy-duty pneumatic clamps

Steel

METRIC

RoHS

+80° -30°

MATERIAL
C10 zinc-plated steel.

BASE
C10 zinc-plated steel.

HEXAGON-SOCKET HEAD SCREWS WITH COUNTERSINK FOR CYLINDER SUPPORT
Black-oxide steel.

CYLINDER SUPPORT BUSHINGS
Hardened steel.

CYLINDER BODY AND HEADERS
Aluminium.

PUSH LEVER
AISI 420 stainless steel.

ROTATING PINS AND SEEGER RINGS
Ground and hardened steel.

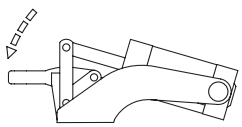
STANDARD EXECUTIONS
- **PVB-AP**: with open clamping lever and two folded washers.
- **PVB-EP**: with solid clamping lever and bolt retainer.

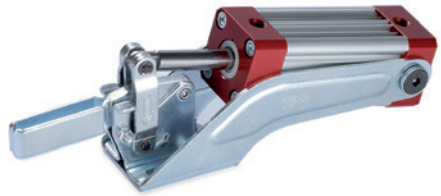
MAXIMUM WORKING PRESSURE
6 bars.

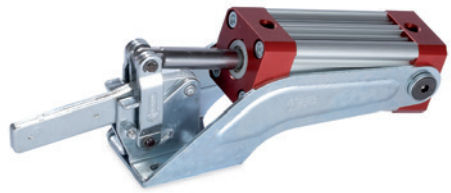
MAX WORKING TEMPERATURE
70°C

CLAMPING BOLT
To be ordered separately.

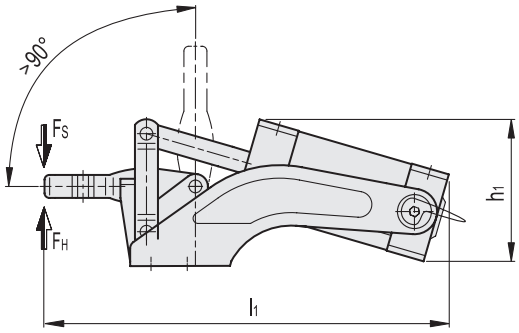
FEATURES AND APPLICATIONS
All articulated joints are lubricated with special grease.
The principles of operation of the PVB pneumatic clamps are the same as those with MVA manual control.
They are all equipped with a magnetic cylinder which, through the use of the proximity switch PSWX###PSWX (see page -) (to be ordered separately) gives drive and/or control impulses while active.
All magnetic cylinders are equipped with an automatic pneumatic brake in the rear head.
Using a lubrication filter assembly is necessary for the cylinder to work properly for a long time, whereas flow regulators are recommended to guarantee long life of mechanical components.



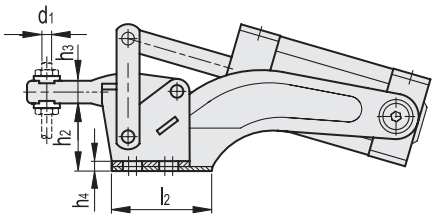


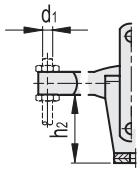


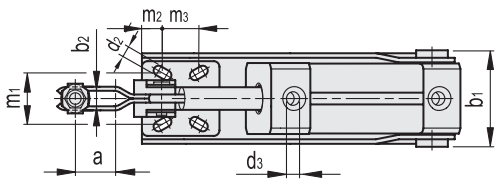
SPEEDY BLOCK

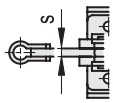


PVB-AP **PVB-EP**









Conversion Table *1 mm = 0.039 inch*	
d1	
mm	inch
5	0.20
6	0.23
8	0.31
10	0.39
12	0.47

PVB-AP

METRIC

Code	Description	a	b1	b2	d1	d2	d3	h1	h2	h3	h4	l1	l2	m1	m2	m3	FH* [N]	FS# [N]	⚖
GG.AO400	PVB.75/AP	20	47	5.2	M5	4.5	M5	54	22	11	3.5	162	40	24	6.5÷7	14.5÷16.5	700	380	400
GG.AO408	PVB.130/AP	28	51	6.2	M6	5.6	G1/8	66	30	16	4.5	195	45	27÷29	8÷11.2	12.5÷19	1600	800	650
GG.AO416	PVB.230/AP	40	58	8.5	M8	6.7	G1/8	78	36	18	5.5	259	55	32	11.5÷12	18.5÷20.5	2200	1200	1150
GG.AO428	PVB.330/AP	45	70	10.5	M10	8.6	G1/4	96	46	22	6.5	307	55	45÷46	8.5÷10.5	29÷32	2500	1750	1850
GG.AO440	PVB.430/AP	48	82.5	12.5	M12	8.5	G1/4	114	55	26	7.5	363	70	45	14	32	2900	2250	3300

PVB-EP

Code	Description	b1	d1	d2	d3	h1	h2	h3	h4	l1	l2	m1	m2	m3	s	FH* [N]	FS# [N]	⚖
GG.AO402	PVB.75/EP	47	M5	4.5	M5	54	22	11	4	163	40	24	6.5÷7	14.5÷16.5	4	700	380	400
GG.AO410	PVB.130/EP	51	M6	5.6	G1/8	66	30	16	5	196	45	27÷29	8÷11.2	12.5÷19	4	1600	800	650
GG.AO418	PVB.230/EP	58	M8	6.7	G1/8	78	36	18	6	261	55	32	11.5÷12	18.5÷20.5	5	2200	1200	1130
GG.AO430	PVB.330/EP	70	M10	8.6	G1/4	96	46	22	7	309	55	45÷46	8.5÷10.5	29÷32	6	2500	1750	1900
GG.AO442	PVB.430/EP	82.5	M12	8.5	G1/4	114	55	26	8	364	70	45	14	32	7	2900	2250	3300

* Holding force.
# Clamping force ~6 bar.