

Block cylinders *Application & selection*

Shown: BD-18202, BMD-70502, BD-40252



BD, BMD, BMS, BS-series

Block cylinders are used for punching, pressing, riveting and bending applications. In general, these cylinders are used for moving, positioning, lifting, opening and closing.

■ The versatile Enerpac block cylinders, fixture mounted for clamping applications.



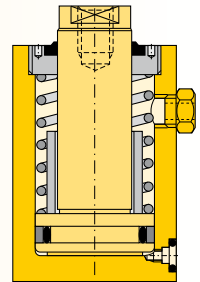
Versatile, all purpose cylinder

- Six clamping capacities enable you to choose the right size for your application
- Variety of strokes, to meet design needs
- Double acting and single acting (spring return), allows selection of cylinder that best conforms to your hydraulic system
- Two oil connection possibilities:
 - with BSPP threaded oil ports
 - with manifold O-ring ports
- Compact cylinder design does not require large amounts of space on your fixture
- Integral wiper ring, keeps contaminants out of cylinder to extend life
- Designed according ISO-standards.

Select your block cylinder type:

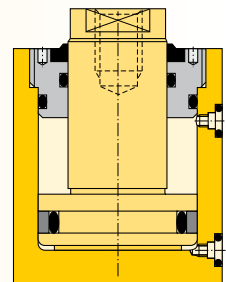
BMS, BS series, single-acting

- BS series with BSPP oil port
- BMS series with manifold O-ring ports
- Internal threaded plunger
- Nickel-plated plunger
- Strong return spring
- Black oxide base
- Filtered vent plug.



BMD, BD series, double-acting

- BD series with BSPP oil port
- BMS series with manifold O-ring ports
- Internal threaded plunger
- Nickel-plated plunger
- Black oxide base.

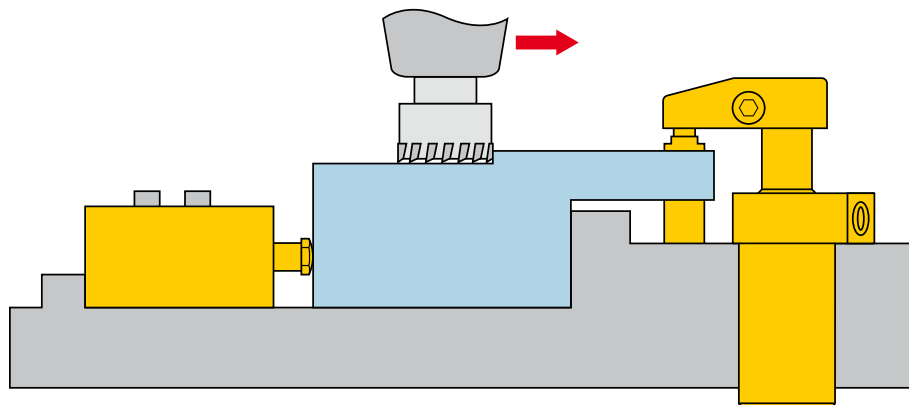


Application example

Block cylinder positions workpiece against fixed point with further clamping coming from an Enerpac swing cylinder.

Spherical Contact Bolts

Allow cylinders to act as a datum point in your clamping applications, and protect the piston when cylinders are used for pushing applications.

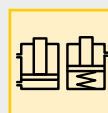


Force: 10,9 - 274,8 kN

Stroke: 8 - 56 mm

Pressure: 40 - 350 bar

- E** Cilindros tipo bloque
- F** Vérins cube
- D** Blockzylinder



Options

Contact bolts

86 ▶



Fittings

194 ▶



Valves

156 ▶



Product selection

Piston Ø	Rod Ø	Clamping force		Stroke mm	Model Nr. Manifold O-ring oil port	Model Nr. BSPB threaded oil port	Cylinder effective area		Cylinder oil capacity		Minimum spring return force N	kg
		push kN	pull kN				push cm ²	pull cm ²	push cm ³	pull cm ³		
▼ Single acting												
20	12	10,9	-	8	BMS-1082	BS-1082	3,1	-	2,5	-	93	0,9
20	12	10,9	-	18	BMS-10182	BS-10182	3,1	-	5,7	-	108	1,2
25	16	17,0	-	10	BMS-18102	BS-18102	4,9	-	4,9	-	168	1,3
25	16	17,0	-	25	BMS-18252	BS-18252	4,9	-	12,3	-	157	1,8
40	25	43,6	-	12	BMS-40122	BS-40122	12,6	-	15,1	-	378	2,0
40	25	43,6	-	25	BMS-40252	BS-40252	12,6	-	31,4	-	381	2,7
50	32	68,2	-	12	BMS-70122	BS-70122	19,6	-	23,6	-	471	3,3
50	32	68,2	-	25	BMS-70252	BS-70252	19,6	-	49,1	-	425	4,4
80	50	174,9	-	20	BMS-180202	BS-180202	50,2	-	100,5	-	917	12,0
100	63	273,4	-	25	BMS-280252	BS-280252	78,5	-	196,3	-	1419	19,0
▼ Double acting												
20	12	11,0	7,0	16	BMD-10162	BD-10162	3,1	2,0	5,0	3,2	-	0,9
20	12	11,0	7,0	36	BMD-10362	BD-10362	3,1	2,0	11,3	7,2	-	1,2
25	16	17,2	10,1	20	BMD-18202	BD-18202	4,9	2,9	9,8	5,8	-	1,3
25	16	17,2	10,1	50	BMD-18502	BD-18502	4,9	2,9	24,5	14,8	-	1,8
40	25	44,0	26,8	25	BMD-40252	BD-40252	12,6	6,3	31,4	15,8	-	1,9
40	25	44,0	26,8	50	BMD-40502	BD-40502	12,6	6,3	62,8	31,6	-	2,6
50	32	68,7	40,6	25	BMD-70252	BD-70252	19,6	11,6	49,1	29,0	-	3,2
50	32	68,7	40,6	50	BMD-70502	BD-70502	19,6	11,6	98,2	58,0	-	4,3
80	50	175,8	107,2	25	BMD-180252	BD-180252	50,2	30,6	125,6	76,6	-	9,3
80	50	175,8	107,2	50	BMD-180502	BD-180502	50,2	30,6	251,2	153,1	-	11,5
100	63	274,8	165,7	28	BMD-280282	BD-280282	78,5	47,3	219,8	132,6	-	14,7
100	63	274,8	165,7	56	BMD-280562	BD-280562	78,5	47,3	439,6	265,1	-	18,2