

Hydraulic Block Cylinder HBZ 500



Special Designs:

The Block Cylinder is available with end-of-stroke dampers for longer strokes if needed. Functional modes 004, 005 and 006 require additional structural length "L⁺", which can be found in the lower table. Dimensions A6/A16 and A5/A15 are identical with dampers on both sides or on bottom side only. Basic dimensions remain identical with functional modes 001 and 002. Should the Block Cylinder be required with spring loaded return stroke please request the extra dimension sheet.

Symbol per DIN 24300	Functional mode	Description	Symbol per DIN 24300	Functional mode	Description
	001	Single acting pushing		005	Double acting, end-of-stroke damper on rod side
	002	Single acting pulling		006	Double acting, end-of-stroke damper on bottom side
	003	Double acting		001-F	Single acting pushing Spring loaded return stroke
	004	Double acting, end-of-stroke damper on both sides		002-F	Single acting pulling Spring loaded return stroke

- **X1** ... threaded pin installed at rod end (from M24x2 rod with male thread)
- **X2** ... rod end according to customers specifications (please provide dimensions/sketch with order)
- **X3** ... piston seals statically
- **X4** ... modified ports (explain with order)
- **X5** ... seals in servo-quality
- **X6** ... seals temperature resistant up to 200°C (Viton-seals)
- **X7** ... corrosion resistant model for use with water
- **X8** ... miscellaneous
- **XE**... with vent plug
- **XN**... with groove (XN1... ports on left hand side / XN2... ports on right hand side)
- **XZ**... with centering shoulder (with piston diameters 16 - 80mm not available in configuration CD2 and CG1)

Installed threaded pin „X1“	Groove „XN1“ / „XN2“	Centering shoulder „XZ“
<p>D und M depending on cylinder size</p>	<p>A4 and A14 depending on cylinder type</p>	<p>L and LIN depending on cylinder type</p>

Piston-ø	16	20	25	32	40	50	63	80	100	125	160	200
a1	21	22	27	35	35	40	49	54	75	86	102	128
a2	15	15	20	25	25	30	35	40	60	70	80	100
A7	8	8	10	12	12	15	20	24	28	35	42	55
A8	2	2	2	3	3	5	5	7	7	7	9	9
D4 f7	34	34	44	52	60	72	94	115	135	155	205	265
A10	2	2	2	3	3	3	3	4	4	5	5	5
L⁺ 004	25	26	34	34	48	50	52	57	65	89	110	135
L⁺ 005	6	8	12	13	15	15	18	20	25	35	45	55
L⁺ 006	19	18	22	21	33	35	34	37	40	54	65	80

Design subject to change

Revision B * 12.03.13