

Stafsjö
SINCE 1666

Hydraulic cylinder

*Data is only for informational purpose.
All specifications are subject to change without notice.*

First in knife gate solutions

Hydraulic cylinder

Stafsjö's standard hydraulic cylinders are supplied by the Swedish manufacturer Ceson. It is a 200 bar rated cylinder supplied with stroke length, piston rod and ISO 5210 attachment customized for Stafsjö's knife gate valves.

The hydraulic cylinder can be supplied with Ø 32 mm up to 200 mm barrel with stroke lengths up to 1500 mm. It is coated in black RAL 9005 to fulfill the requirements of EN ISO 12944 class C3. Other colours and coating systems can be supplied on request.

This hydraulic cylinder can operate in temperatures ranges from -20 °C to +80 °C. The mineral oil must comply with DIN 51524 (HL, HLP) and the fluid must also comply with cleanliness class according to ISO 4406 (c) Class 20/18/15. Filters can prevent faults and at the same time increases the life time of the cylinder. Special editions and materials on request.

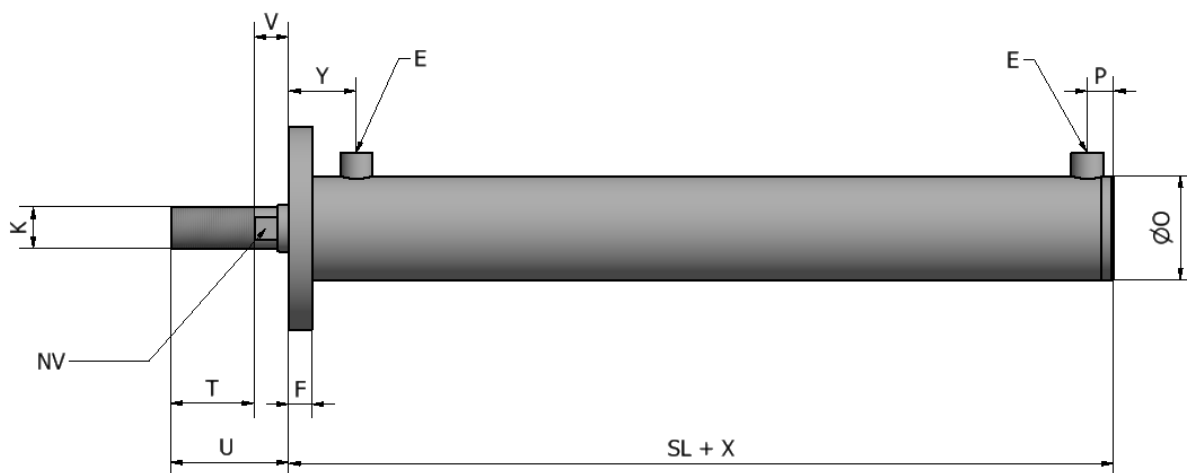


Recommended hydraulic cylinder sizing (Ø mm) at hydraulic working pressure of 100-120 bar¹⁾

DN	MV	WB11	WB	WB14	WB14E	HG/HP	SLV	SLF	SLH	SLX
50	32	32	-	32	-	-	32	-	-	-
65	32	32	-	32	-	-	32	-	-	-
80	32	32	-	32	32	32	50	50	50	50
100	32	32	-	32	40	32	50	50	50	50
125	32	32	-	32	-	50	50	50	63	63
150	32	40	-	40	40	50	50	50	63	63
200	50	50	-	50	50	50	63	63	63	63
250	50	50	-	50	50	50	63	63	80	100
300	50	50	-	50	50	63	80	80	100	100
350	63	-	63	63 (63 ²⁾	63 (63 ²⁾	63	80	80	100	100
400	63	-	63	63 (80 ²⁾	63 (80 ²⁾	63	100	100	125	125
450	63	-	63	63 (80 ²⁾	63 (80 ²⁾	80	100	-	125	125
500	63	-	63	80 (80 ²⁾	80 (80 ²⁾	80	100	-	-	-
600	80	-	80	80 (100 ²⁾	80 (100 ²⁾	100	100	-	-	-
700	80	-	100	-	-	100	125	-	-	-
750	100	-	-	-	-	-	-	-	-	-
800	100	-	100	-	-	100	125	-	-	-
900	100	-	100	-	-	100	125	-	-	-
1000	100	-	100	-	-	100	-	-	-	-
1200	125	-	125	-	-	-	-	-	-	-

1) For higher or lower working pressures, please consult with Stafsjö for re-sizing of cylinder and valve components.

2) High pressure WB14/WB14E version DN 350 - DN 600.

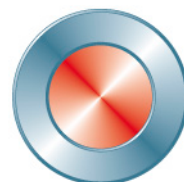


Main dimensions (mm)

Ø Bore	Ø Rod	K	T	V	U	NV	Y	P	X ¹⁾	F	ØO	E	ISO 5210
32	18	M16x1,5	32	16	48	15	48	21	76	15	40	G1/4	F07
40	20	M20x1,5	54	24	78	17	48	21	78	20	50	G1/4	F10
50	25	M20x1,5	54	24	78	22	48	23	87	20	60	G3/8	F10
63	32	M30x1,5 (M36x2 ²⁾)	72	30	102	28	68	23	107	20	73	G1/2	F10+F14
80	40	M36x2	72	30	102	36	68	23	118	20	90	G1/2	F10+F14
100	50	M36x2	72	30	102	45	87	28	118	20	120	G3/4	F10+F14
125	60	M36x2	72	30	102	50	87	28	121	20	140	G3/4	F10+F14
160	90	M36x2	72	30	102	50	95	28	129	20	180	G3/4	F10+F14

1) X + stroke length = Tube length (including flange)

2) Valid on stroke length ≥ 450 mm



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