

EHSB/EHSM Series

- EVOTEK Flanged Ball Valves with SAE Connections



Product Description

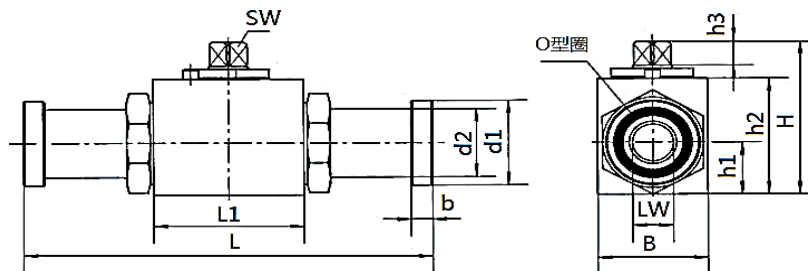
- Operating pressure up to 420 bar
- DN up to 50
- Application in Hydraulic systems, off-shore equipment, Machine tools
- All ball valves can be supplied with the following options: Actuator, Limit controls & Lock

Technical Specifications

Application:	In-line assembly
Flange dimensions:	SAE J518
Flange connections:	SAE split flanges
Construction:	Block type EHSB (DN 13~25) Forged type EHSM (DN 32~50)
Type of construction:	Shut-off device is a ball
Nominal pressure:	PN 210 bar up to PN 420 bar (according to dimension table)
Operating fluids:	Oils, petroliferous and petrochemical products
Operating temperature range:	-20°C to 100°C

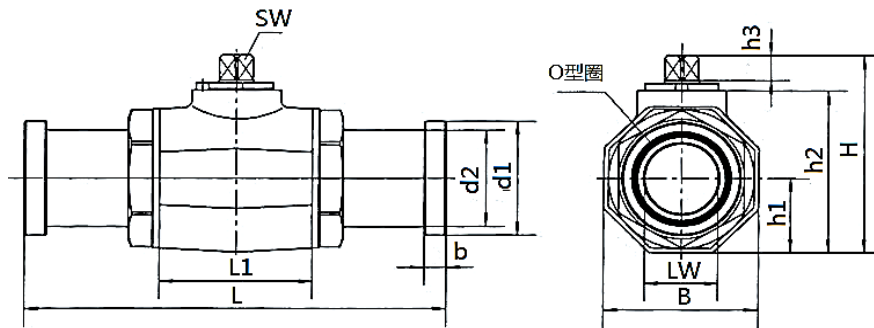
Standard Material

Body:	Carbon Steel
Ball:	Carbon Steel
Stem:	Carbon Steel
Lever:	Zinc Alloy Bent (DN 06 to 25) Steel Straight (DN 06 to 25) Steel Bent (DN 32 to 50)
Ball seat:	POM
O-rings:	NBR/FKM



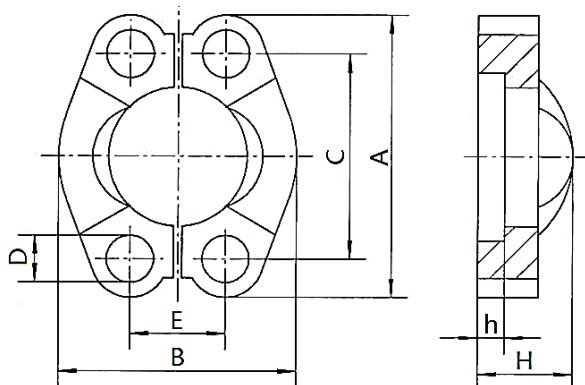
Type	SAE size	DN	LW	L	L1	H	h1	h2
EHSB-13-F3	1/2"	13	13	151	48	52.5	17	40
EHSB-16-F3	3/4"	16	15	170	47	63.5	19	46
EHSB-20-F3	3/4"	20	19	170	60	75	24	57
EHSB-25-F3	1"	25	25	176.5	65	82	28.5	64
EHSB-13-F6	1/2"	13	13	151	48	52.5	17	40
EHSB-16-F6	3/4"	16	15	170	47	63.5	19	46
EHSB-20-F6	3/4"	20	19	170	60	75	24	57
EHSB-25-F6	1"	25	25	198	65	82	28.5	64
Type	h3	B	b	d1	d2	SW	O-ring	PN(bar)
EHSB-13-F3	8	35	6.8	30.2	24	9	18.64x3.53	350
EHSB-16-F3	11	38	6.8	38.1	31.5	12	24.99x3.53	350
EHSB-20-F3	12	48	6.8	38.1	31.5	14	24.99x3.53	350
EHSB-25-F3	12	57	8	44.45	38	14	32.92x3.53	350
EHSB-13-F6	8	35	7.9	31.8	24	9	18.64x3.53	400
EHSB-16-F6	11	38	8.8	41.3	32	12	24.99x3.53	400
EHSB-20-F6	12	48	8.8	41.3	32	14	24.99x3.53	350
EHSB-25-F6	12	57	9.5	47.6	38	14	32.92x3.53	350

Technical Drawings and Dimension
EHSM(DN32~50)



Type	SAE size	DN	LW	L	L1	H	h1	h2
EHSM-32-F3	1 1/4"	32	30	191	84	108	41	87.5
EHSM-40-F3	1 1/2"	40	38	231	91	119.5	46.5	99
EHSM-50-F3	2"	50	48	234	100	135.5	55	115
EHSM-32-F6	1 1/4"	32	30	223	84	108	41	87.5
EHSM-40-F6	1 1/2"	40	38	281	91	119.5	46.5	99
EHSM-50-F6	2"	50	48	315	100	135.5	55	115
Type	h3	B	b	d1	d2	SW	O-ring	PN(bar)
EHSM-32-F3	14	82	8	50.8	43	17	37.69x3.53	275
EHSM-40-F3	14	93	8	60.35	50	17	47.22x3.53	210
EHSM-50-F3	14	110	9.6	71.4	62	17	56.74x3.53	210
EHSM-32-F6	14	82	10.3	54	44	17	37.69x3.53	350
EHSM-40-F6	14	93	12.6	63.5	51	17	47.22x3.53	350
EHSM-50-F6	14	110	12.6	79.4	67	17	56.74x3.53	350

SAE split flanges



Type	SAE	A	B	C	D	E	h	H	PN(bar)
EHSB-13-F3	1/2"	53.8	46.1	38.1	9	17.5	6.2	19	345
EHSB-16-F3	3/4"	65	52.4	47.6	11	22.3	6.2	22	345
EHSB-20-F3	3/4"	65	52.4	47.6	11	22.3	6.2	22	345
EHSB-25-F3	1"	69.9	58.7	52.4	11	26.2	7.5	22	345
EHSM-32-F3	1 1/4"	79.2	73	58.7	11	30.2	7.5	24	276
EHSM-40-F3	1 1/2"	93.7	82.6	69.9	13.5	35.7	7.5	25	207
EHSM-50-F3	2"	101.6	96.8	77.8	13.5	42.9	9	26	207
EHSB-13-F6	1/2"	56.3	49.2	40.5	9	18.2	7.2	22	420
EHSB-16-F6	3/4"	71.4	61.8	50.8	11	23.8	8.2	28	420
EHSB-20-F6	3/4"	71.4	61.8	50.8	11	27.8	8.2	28	420
EHSB-25-F6	1"	81	71.4	57.2	13	27.8	9.0	33	420
EHSM-32-F6	1 1/4"	95.3	79.3	66.7	15	31.8	9.8	38	420
EHSM-40-F6	1 1/2"	112.8	96.8	79.4	17	36.5	12	43	420
EHSM-50-F6	2"	133.4	115.6	96.8	21	44.5	12	52	420

EVOTEK Flanged Ball Valves with SAE Connections

Order Codes

Ball Valve Series	A	-	B	-	C	-	D	-	E	-	F	G	H
EHS	B	-	16	-	F3	-	B	-	02	-	C	C	M

Select the code for each ball valve feature according to your requirements and place it in the sequence (see example above) to create the corresponding product order code.

A Construction

B	Block type (DN04 to DN25)
M	Forged type (DN32 to DN50)

B Connection Size

13	DN13 (EHSB)
16	DN16 (EHSB)
20	DN20 (EHSB)
25	DN25 (EHSB)
32	DN32 (EHSM)
40	DN40 (EHSM)
50	DN50 (EHSM)

C SAE Flanged version

F3	3000 PSI (210 bar)
F6	6000 PSI (420 bar)

D O-Ring Material

B	NBR
V	FKM
E	EPDM

E Lever Options

02	Zinc Alloy Bent (DN 06 to 25)
03	Steel Straight (DN 06 to 25)
04	Steel Bent (DN 32 to 50)

F Body and Connection Material

C	Carbon Steel
S	Stainless Steel

G Ball / Stem Material

C	Carbon Steel
S	Stainless Steel

H Ball Seat Material

M	POM
E	PTFE
K	PEEK