

EHAB/EHAM Series

EVOTEK Two-Way Ball Valves

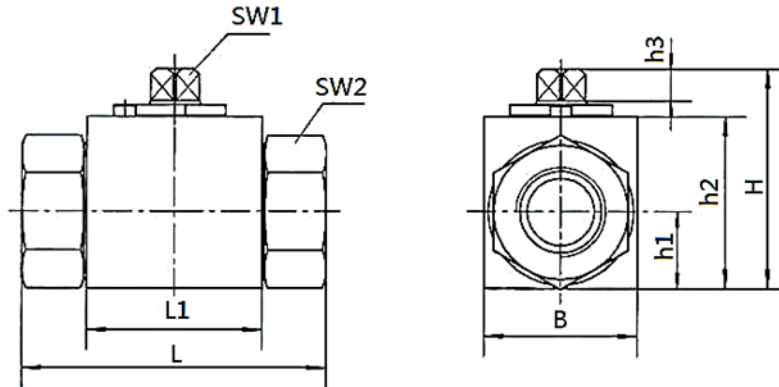


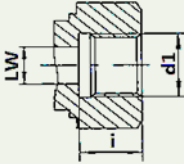
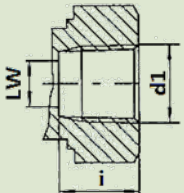
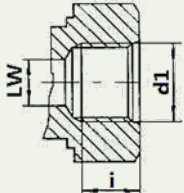
Product Description

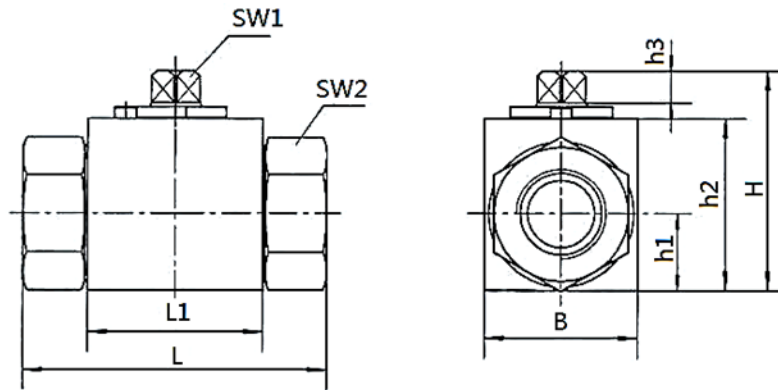
- Operating pressure up to 500 bar
- DN up to 50
- Application in Mobile Equipment, Hydraulic systems, Agricultural machines, Machine tools, Plastic injection moulding machines
- All ball valves can be supplied with the following options: Actuator, Limit controls & Lock

Technical Specifications

Application:	In-line assembly
Standard Connections Styles:	Female BSP thread (DIN ISO 228) Female NPT thread (ANSI B1.20.1) Female UN/UNF thread (SAE J 514) 24° Cone Connection light Series (DIN 2353 / ISO 8434-1) 24° Cone Connection Heavy Series(DIN 2353 / ISO 8434-1)
Construction:	Block type EHAB (DN 04~25) Forged type EHAM (DN 32~50)
Type of construction:	Shut-off device is a ball
Nominal pressure:	PN 315 bar up to PN 500 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, PTFE, PEEK
O-rings:	NBR, FKM

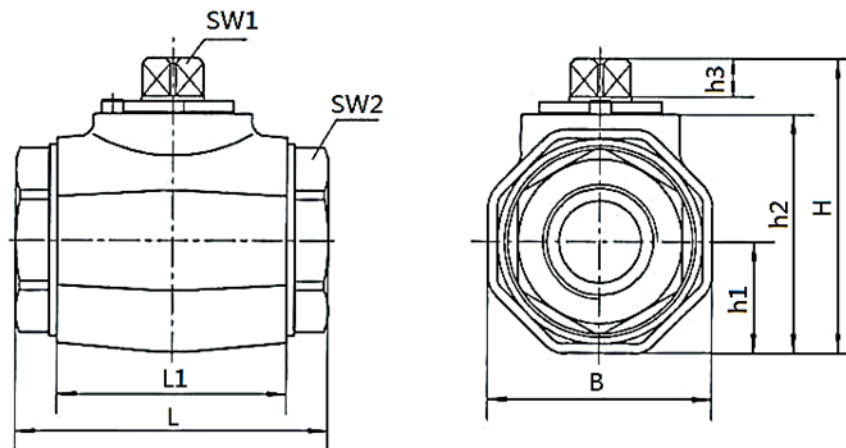


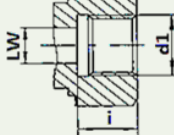
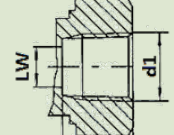
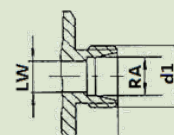
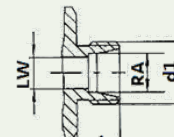
Connection type	Type	DN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2	PN (bar)
DIN ISO 228 Female thread 	EHAB-G1/8	04	06	G1/8	10	69	37	28	44.5	13	32	8	9	22	500
	EHAB-G1/4	06	06	G1/4	14	69	37	28	44.5	13	32	8	9	22	500
	EHAB-G3/8	10	10	G3/8	14	72	42	32	52.5	17	40	8	9	27	500
	EHAB-G1/2-SW9	13	13	G1/2	16	83	48	35	52.5	17	40	8	9	30	500
	EHAB-G1/2-SW12	16	15	G1/2	16	83	47	38	63.5	19	46	11	12	32	400
	EHAB-G3/4	20	20	G3/4	18	95	60	48	75	24	57	12	14	41	315
	EHAB-G1	25	25	G1	20.5	113	65	57	82	28.5	64	12	14	50	315
	EHAB-G1 ¼	25/32	25	G1 1/4	22	120	65	60	82	28.5	64	12	14	55	315
	EHAB-G1 ½	25/40	25	G1 1/2	24	130	65	60	82	28.5	64	12	14	60	315
ANSI B1.20.1 NPT female thread 	EHAB-1/8NPT	04	06	1/8NPT	10.5	69	37	28	44.5	13	32	8	9	22	500
	EHAB-1/4NPT	06	06	1/4NPT	14	69	37	28	44.5	13	32	8	9	22	500
	EHAB-3/8NPT	10	10	3/8NPT	14	72	42	32	52.5	17	40	8	9	27	500
	EHAB-1/2NPT	13	13	1/2NPT	17	83	48	35	52.5	17	40	8	9	30	500
	EHAB-3/4NPT	20	20	3/4NPT	19	95	60	48	75	24	57	12	14	41	315
	EHAB-1NPT	25	25	1NPT	22.5	113	65	57	82	28.5	64	12	14	50	315
	EHAB-1¼NPT	25/32	25	1¼NPT	22.5	120	65	60	82	28.5	64	12	14	55	315
	EHAB-1½NPT	25/40	25	1½NPT	25	130	65	60	82	28.5	64	12	14	60	315
SAE J 514 UN/UNF Female thread 	EHAB-SAE4	06	06	7/16-20UNF	12	69	37	28	44.5	13	32	8	9	22	500
	EHAB-SAE6	10	10	9/16-18UNF	13	72	42	32	52.5	17	40	8	9	27	500
	EHAB-SAE8	13	13	3/4-16UNF	15	83	48	35	52.5	17	40	8	9	30	500
	EHAB-SAE12	20	20	1 1/16-12UN	20	95	60	48	75	24	57	12	14	41	315
	EHAB-SAE16	25	25	1 5/16-12UN	20	113	65	57	82	28.5	64	12	14	50	315
	EHAB-SAE20	25/32	25	1 5/8-12UN	20	120	65	60	82	28.5	64	12	14	55	315
	EHAB-SAE24	25/40	25	1 7/8-12UN	20	130	65	60	82	28.5	64	12	14	60	315



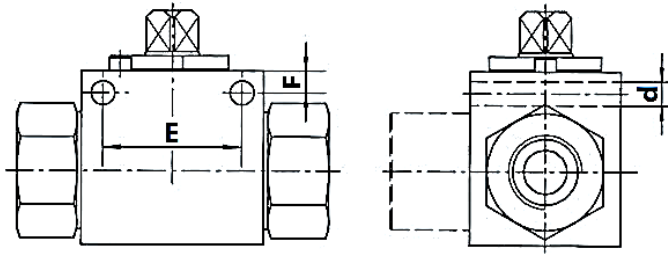
Connection type	Type	DN	LW	RA	d1	I	L	L1	A	H	h1	h2	h3	SW1	SW2	PN (bar)
DIN 2353 Light range	EHAB-06LR	04	04	06	M12x1.5	10	67	37	28	44.5	13	32	8	9	22	500
	EHAB-08LR	06	06	08	M14x1.5	10	67	37	28	44.5	13	32	8	9	22	500
	EHAB-10LR	08	08	10	M16x1.5	11	74	42	32	52.5	17	40	8	9	27	500
	EHAB-12LR	10	10	12	M18x1.5	11	74	42	32	52.5	17	40	8	9	27	500
	EHAB-15LR-SW9	13	13	15	M22x1.5	12	82	48	35	52.5	17	40	8	9	30	500
	EHAB-15LR-SW12	13	13	15	M22x1.5	12	82	47	38	63.5	19	46	11	12	32	400
	EHAB-18LR-SW9	13	13	18	M26x1.5	12	82	48	35	52.5	17	40	8	9	30	500
	EHAB-18LR-SW12	16	15	18	M26x1.5	12	82	47	38	63.5	19	46	11	12	32	400
	EHAB-22LR	20	19	22	M30x2	14	101	60	48	75	24	57	12	14	41	315
	EHAB-28LR	25	25	28	M36x2	14	108	65	57	82	28.5	64	12	14	50	315
	EHAB-35LR	25/32	25	35	M45x2	16	112	65	60	82	28.5	64	12	14	50	315
DIN 2353 Heavy range	EHAB-08SR	04	05	08	M16x1.5	12	73	37	28	44.5	13	32	8	9	22	500
	EHAB-10SR	06	06	10	M18x1.5	12	73	37	28	44.5	13	32	8	9	22	500
	EHAB-12SR	08	08	12	M20x1.5	12	76	42	32	52.5	17	40	8	9	27	500
	EHAB-14SR	10	10	14	M22x1.5	14	80	42	32	52.5	17	40	8	9	27	500
	EHAB-16SR-SW9	13	13	16	M24x1.5	14	86	48	35	52.5	17	40	8	9	30	500
	EHAB-16SR-SW12	13	13	16	M24x1.5	14	86	47	38	63.5	19	46	11	12	32	400
	EHAB-20SR-SW9	13	13	20	M30x2	16	90	48	35	52.5	17	40	8	9	32	500
	EHAB-20SR-SW12	16	15	20	M30x2	16	90	47	38	63.5	19	46	11	12	32	400
	EHAB-25SR	20	20	25	M36x2	18	109	60	48	75	24	57	12	14	41	315
	EHAB-30SR	25	25	30	M42x2	20	120	65	57	82	28.5	64	12	14	50	315
	EHAB-38SR	25/32	25	38	M52x2	22	124	65	60	82	28.5	64	12	14	55	315

EHAM



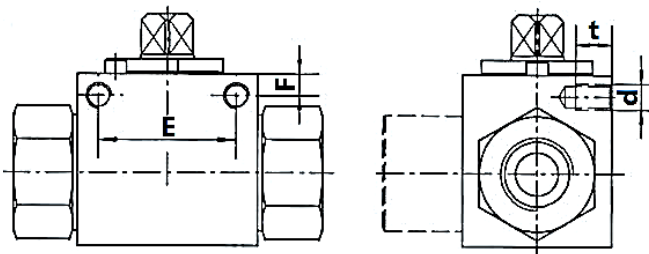
Connection type	Type	DN	LW	RA	d1	l	L	L1	B	H	h1	h2	h3	SW1	SW2	PN (bar)
 DIN ISO 228 Female thread	EHAM-G1 1/4	32	30	-	G1¼	22	110	84	82	108	41	87.5	14	17	60	315
	EHAM-G1 1/2	40	38	-	G1½	24	130	91	93	119.5	46.5	99	14	17	70	315
	EHAM-G2	50	48	-	G2	26	140	100	110	135.5	55	115	14	17	80	315
 ANSI B1.20.1 NPT female thread	EHAM-1 1/4NPT	32	30	-	1¼ NPT	25	120	84	82	108	41	87.5	14	17	60	315
	EHAM-1 1/2NPT	40	38	-	1½ NPT	25	130	91	93	119.5	46.5	99	14	17	70	315
	EHAM-2NPT	50	48	-	2 NPT	30	140	100	110	135.5	55	115	14	17	80	315
 SAE J 514 UN/UNF Female thread	EHAM-SAE20	32	30	-	1 ⁵ / ₈ -12UN	20	120	84	82	108	41	87.5	14	17	60	315
	EHAM-SAE24	40	38	-	1 ⁷ / ₈ -12UN	20	130	91	93	119.5	46.5	99	14	17	70	315
	EHAM-SAE32	50	48	-	2½ -12UN	20	140	100	110	135.5	55	115	14	17	80	315
 DIN 2353 Light range	EHAM-35LR	32	30	35	M45x2	16	141	84	82	108	41	87.5	14	17	60	315
	EHAM-42LR	40	38	42	M52x2	16	162	91	93	119.5	46.5	99	14	17	70	315
 DIN 2353 Heavy range	EHAM-38SR	32	30	38	M52x2	22	153	84	82	108	41	87.5	14	17	60	315

Through-bore holes on the side (TH)



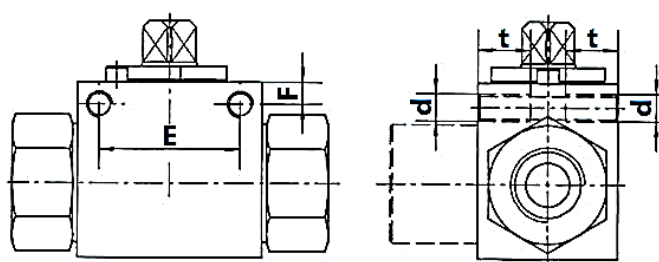
DN	E	F	d
04	26	5	4.5
06	26	5	4.5
10	32	5	6.5
13	37.5	4.8	6.5
16	37.5	5	6.5
20	45	6.5	6.5
25	55	6	6.7
25/32	55	6	6.7

Tapped holes on the single side (SS)



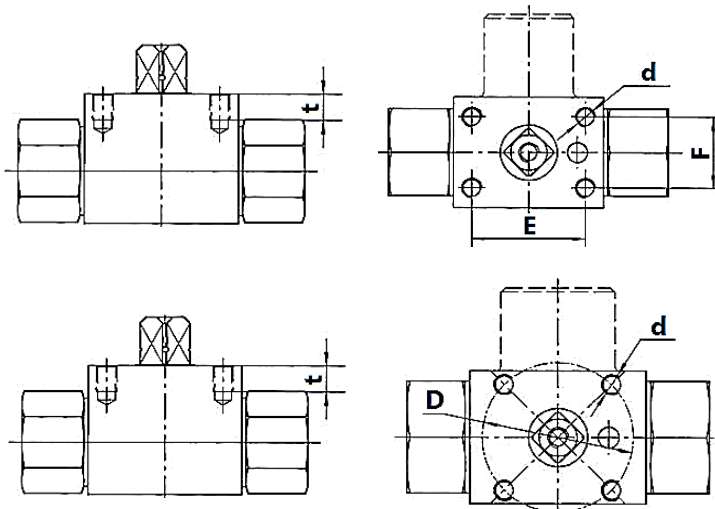
DN	E	F	t	d
04	24	6	6.5	M6
06	24	6	6.5	M6
10	32	5.5	7	M6
13	36	6	8.5	M6
16	32	8	7	M6
20	45	7.5	12	M10
25	45	7.5	12	M10
25/32	45	7.5	12	M10

Tapped holes on 2 sides (TS)



DN	E	F	t	d
04	24	4.5	9	M6
06	24	4.5	9	M6
10	32	5.5	12	M6
13	36	5	12	M6
16	32	6.5	12	M6
20	45	7.5	12	M6
25	45	7.5	12	M6
25/32	45	7.5	12	M6

Panel mounting (PM)



DN	E	F	t	d
04	28	18	6.5	M5
06	28	18	6.5	M5

DN	D	d	t	ISO5211
10	36	M5	7	F03
13	36	M5	7	F03
16	42	M5	8	F04
20	50	M6	10	F05
25	50	M6	10	F05
25/32	50	M6	10	F05

EVOTEK Two-Way Ball Valves

Order Codes

Ball Valve Series	A	-	Type of connection	-	B	-	C	-	D	E	F
EHA	B	-	G3/8	-	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 O-Ring Material

B	NBR
V	FKM
E	EPDM

C Lever Options

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

D Body and Connection Material

C	Carbon Steel
S	Stainless Steel

E Ball / Stem Material

C	Carbon Steel
S	Stainless Steel

F Ball Seat Material

M	POM
E	PTFE
K	PEEK