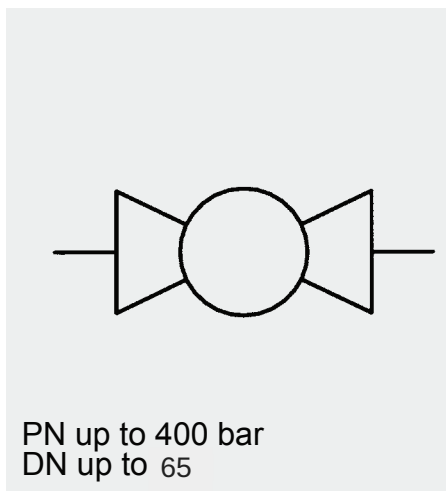
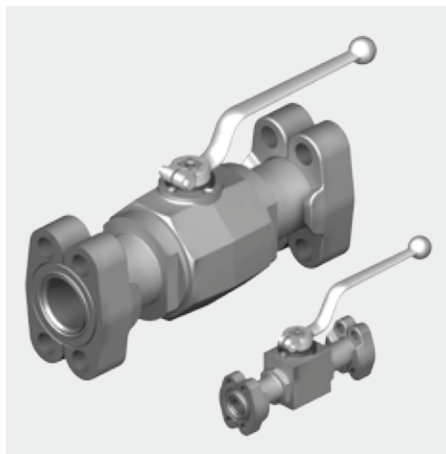




SAE Flanged Ball Valves

KHB-F3/6 / KHM-F3/6

Model code
(also order example)

KHB 20 F3 11141 02 X

Designation

KHB = Block-type ball valve DN 16 - 25
KHM = Sleeve-type ball valve DN 32 - 65

Nominal bore

Type of SAE flange

Materials

Housing, connection adapters and control spindle

1 = steel
3 = stainless steel

Ball

1 = steel
3 = stainless steel

Ball seals

1 = POM

Control spindle seal and connection seal

4 = FKM (Viton) , 2 = NBR

SAE threaded flange

1 = steel
3 = stainless steel

Handle

02 = aluminium clamped handle, cranked
06 = steel bolt-on handle, cranked
14 = zinc die-cast bolt-on handle, cranked

Series

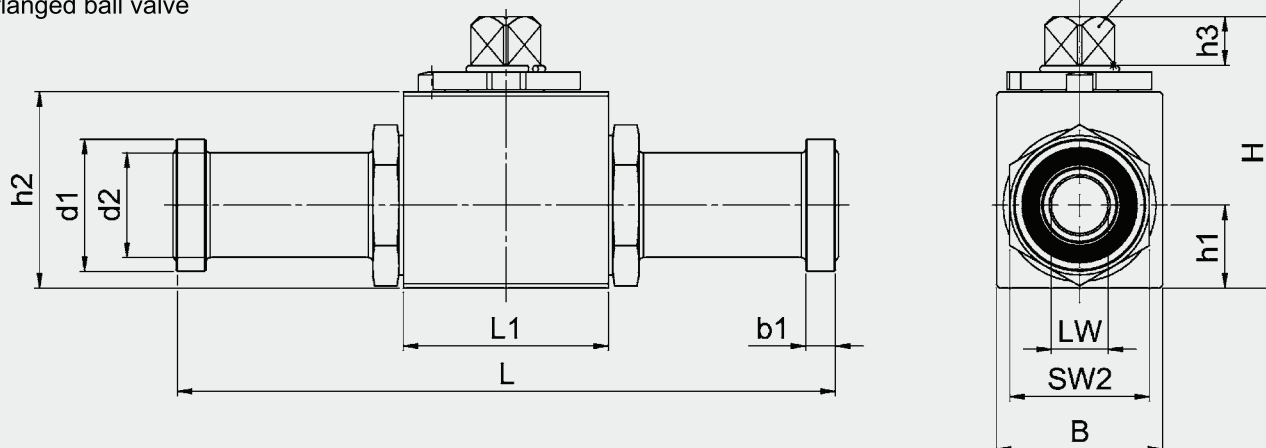
(determined by manufacturer)

Technical specifications

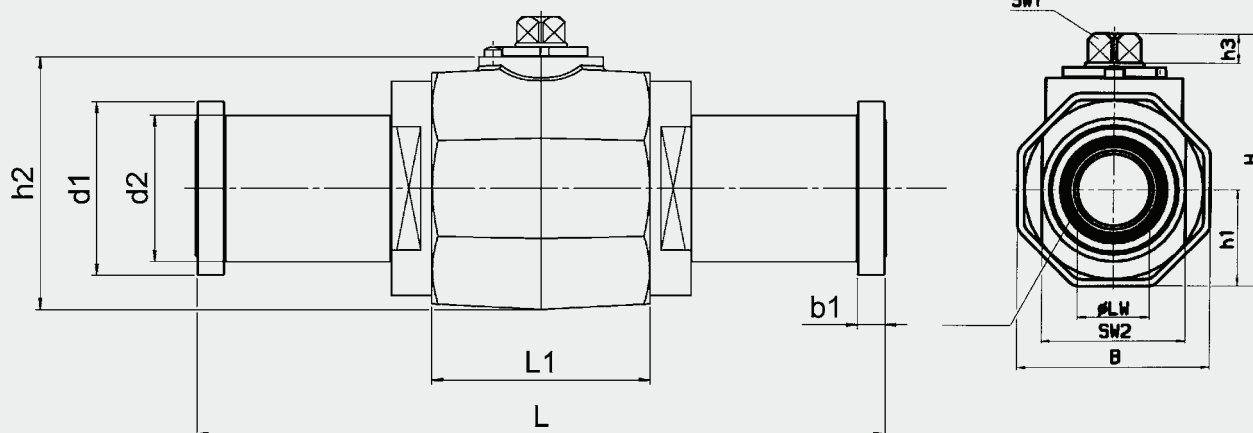
Type of construction:	Block-type KHB DN 16 - 25 Sleeve-type KHM DN 32 - 65
Flange dimensions:	ISO 6162, Table 1 and 2 (SAE J 518 c)
Flange connections:	SAE split flanges
Mounting position:	Optional
Ambient temperature:	-10 °C to +80 °C
Nominal pressure:	up to PN 400 bar
Operating fluids:	Mineral oil to DIN 51524 Part 1 and Part 2 (other fluids on request)
Temperature of operating fluid:	-10 °C to +80 °C

Dimensions

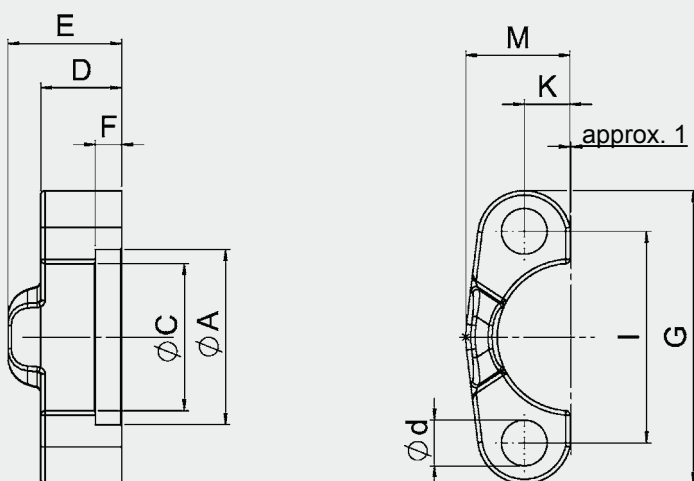
SAE flanged ball valve
KHB



KHM



SAE Split flanges



KHB / KHM - F3

Type	SAE size	DN	LW	L	L1	H	h1	h2	h3	B	b1	d1	d2	SW1	SW2	O-ring
KHB-16-F3	3/4"	16	16*	170	47	62	19	45	11	38	6.8	38.1	31.5	12	32	25x3.53
KHB-20-F3	3/4"	20	19	170	60	75	24.5	57	11.6	48	6.8	38.1	31.5	14	41	25x3.53
KHB-25-F3	1"	25	25	176.5	65	82	28.5	64	11.6	57	8	44.45	38	14	50	32.92x3.53
KHM-32-F3	1 1/4"	32	30	191.4	83.4	105.2	40	86.7	12	80	8	50.8	43	17	60	37.7x3.53
KHM-40-F3	1 1/2"	40	38	231	91	116.2	45	97.7	12	90	8	60.35	50	17	70	47.22x3.53
KHM-50-F3	2"	50	48	234	100	134.2	55.5	115.7	12	111	9.6	71.4	62	17	80	56.74x3.53
KHM-65-F3	2 1/2"	65	63	250	115	150	62	134	12	117	12	84.9	74.9	17	90	70 X 3.50

KHB / KHM - F3 - XL

Type	SAE size	DN	LW	L	L1	H	h1	h2	h3	B	b1	d1	d2	SW1	SW2	O-ring
KHM-32-F3-XL	1 1/4"	32	30	274	83.4	105.2	40	86.7	12	80	8	50.8	43	17	60	37.7x3.53
KHM-40-F3-XL	1 1/2"	40	38	320	91	116.2	45	97.7	12	90	8	60.35	50	17	70	47.22x3.53
KHM-50-F3-XL	2"	50	48	323	100	134.2	55.5	115.7	12	111	9.6	71.4	62	17	80	56.74x3.53

SAE Split flanges - F3

Type	A	C	D	E	F	M	K	I	G	d	Nominal size	Weight (kg)
KHB-16-F3	38.9	32.1	14	22	6.2	26	11.1	47.6	65	10.5	350	1.6
KHB-20-F3	38.9	32.1	14	22	6.2	26	11.1	47.6	65	10.5	350	2.1
KHB-25-F3	45.2	38.5	16	22	7.5	29.2	13.1	52.4	70	10.5	350	2.8
KHM-32-F3	51.6	43.7	14	22	7.5	36.3	15.1	58.7	80	12	275	4.7
KHM-40-F3	61.1	50.8	16	24	7.5	41.1	17.9	69.9	94	13.5	210	6.9
KHM-50-F3	72.2	62.7	16	26	9	48.2	21.4	77.8	102	13.5	210	9.7

KHB / KHM - F6

Type	SAE size	DN	LW	L	L1	H	h1	h2	h3	B	b1	d1	d2	SW1	SW2	O-ring
KHB-16-F6	3/4"	16	16*	170	47	62	19	45	11	38	8.8	41.3	32	12	32	25x3.53
KHB-20-F6	3/4"	20	19	170	60	75	24.5	57	11.6	48	8.8	41.3	32	14	46	25x3.53
KHB-25-F6	1"	25	25	198.5	65	82	28.5	64	11.6	57	9.5	47.6	38	14	50	32.92x3.53
KHM-32-F6	1 1/4"	32	30	223.4	83.4	105.2	40	86.7	12	80	10.3	54	44	17	60	37.7x3.53
KHM-40-F6	1 1/2"	40	38	281	91	116.2	45	97.7	12	90	12.6	63.5	51	17	70	47.22x3.53
KHM-50-F6	2"	50	48	315	100	134.2	55.5	115.7	12	111	12.6	79.4	67	17	80	56.74x3.53

KHB / KHM - F6 - XL

Type	SAE size	DN	LW	L	L1	H	h1	h2	h3	B	b1	d1	d2	SW1	SW2	O-ring
KHM-32-F6-XL	1 1/4"	32	30	322	83.4	105.2	40	86.7	12	80	10.3	54	44	17	60	37.7x3.53
KHM-40-F6-XL	1 1/2"	40	38	380	91	116.2	45	97.7	12	90	12.6	63.5	51	17	70	47.22x3.53
KHM-50-F6-XL	2"	50	48	385	100	134.2	55.5	115.7	12	111	12.6	79.4	67	17	80	56.74x3.53

SAE Split flanges - F6

Type	A	C	D	E	F	M	K	I	G	d	Nominal size	Weight (kg)
KHB-16-F6	42	32.5	19	28	8.3	30	11.9	50.8	72	10.5	400	1.9
KHB-20-F6	42	32.5	19	28	8.3	30	11.9	50.8	72	10.5	350	2.5
KHB-25-F6	48.4	38.9	24	32	9	35	13.9	57.2	81	13	350	3.5
KHM-32-F6	54.8	44.5	27	38	9.8	39	15.9	66.7	96	15	350	6.4
KHM-40-F6	64.3	51.6	30	42	12.1	48	18.3	79.4	113	17	350	9.7
KHM-50-F6	80.2	67.6	37	52	12.1	57	22.2	96.8	134	21	350	14.7