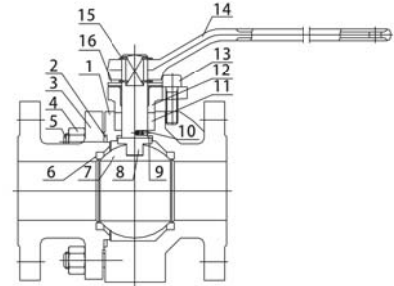


Ball Valves (Overall Dimensions)

Forged steel floating ball valve

Main part materials list

No.	Part name	Carbon steel	Low Temp. steel	Stainless steel
1	Body	ASTM A105	ASTM A350 LF2	ASTM A182 F316
2	Gasket	304+Graphite	304+Graphite	316+Graphite
3	Bonnet	ASTM A105	ASTM A350 LF2	ASTM A182 F316
4	Nut	ASTM A194-2H/2HM	ASTM A194 7M	ASTM A194-2HM/8
5	Stud	ASTM A193-B7/B7M	ASTM A320 7M	ASTM A193-B7M/B8
6	Seat	RPTFE	RPTFE	RPTFE
7	Ball	ASTM A105+ENP	ASTM A350 LF2+ENP	ASTM A182 F316
8	Stem	ASTM A182-F6a	ASTM A182-F6a	ASTM A182 F316
9	Gasket	304+PTFE	304+PTFE	316+PTFE
10	Antistatic device	ASTM A182-F304	ASTM A182-F304	ASMT A182-F304/F316
11	Packing	PTFE/Graphite	PTFE/Graphite	PTFE/Graphite
12	Packing gland	Carbon steel	Carbon steel	Stainless steel
13	Screw	ASTM A193-B7/B7M	ASTM A193-7M	ASTM A193-B8
14	Lever	ASTM A216-WCB	ASTM A216-WCB	ASTM A216-WCB
15	Back stop	Carbon steel	Carbon steel	Carbon steel
16	Stopper plate	Carbon steel	Carbon steel	Stainless steel



CLASS150 Dimention chart

Unit(mm)

Nom. Dia.	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	8
	mm	15	20	25	40	50	65	80	100	125	150	200
Bore	15	20	25	40	50	65	80	100	125	150	200	200
L	108	117	127	165	178	190	203	229	356	394	457	457
H	84	88	95	120	140	160	180	208	220	335	-	-
W	130	130	140	250	250	400	400	450	450	1050	-	-

1/2"-4": Lever operation
6"-8": Optional gear operation
Test pressure
Shell(Hydrostatic):3.10MPa(450psi)
Seat(Air):0.55MPa(80psi)

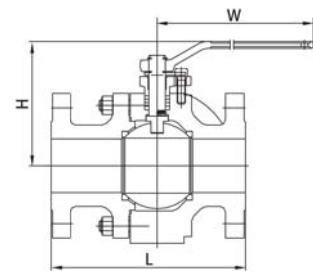


CLASS300 Dimention chart

Unit(mm)

Nom. Dia.	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	8
	mm	15	20	25	40	50	65	80	100	125	150	200
Bore	15	20	25	40	50	65	80	100	125	150	200	200
L	140	150	165	191	216	241	283	305	381	403	502	502
H	84	88	95	120	140	160	180	208	220	335	-	-
W	130	130	140	250	250	400	400	450	450	1050	-	-

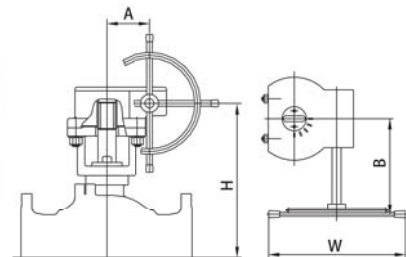
1/2"-4": Lever operation
6"-8": Optional gear operation
Test pressure
Shell(Hydrostatic):7.5MPa(1080psi)
Seat(Air):0.55MPa(80psi)



Gear operation dimention chart

Unit(mm)

CLASS	150	300	Gear operator			
			H	W	B	A
Size (inch)	6	6	257	350	205	125
	8	8	306	355	320	185



Technica specification:

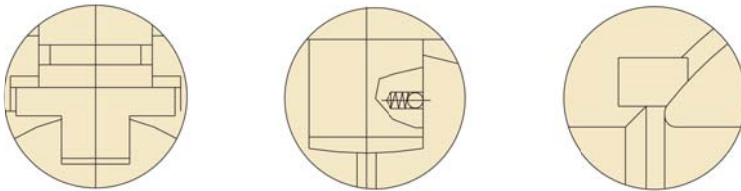
- 1 Temp.& Pressure: ASME B16.34 □ BS5351
- 2 Wall thicknedd: ASME B16.34 □ BS5351
- 3 Bore dimention: API 6D □ ASME B16.34 □ BS5351
- 4 Face to Face: ASME B16.10 □ API 6D
- 5 Flangs dimentions: ASME B16.5 □ BS1560
- 6 Test & inspection: API 598 □ API 6D □ BS5146
- 7 Body material: A105N □ LF2 □ F304 □ F316 □ F304L □ F316L □ F51 □ F53

Forged Steel Ball Valves (Smaller than 2")



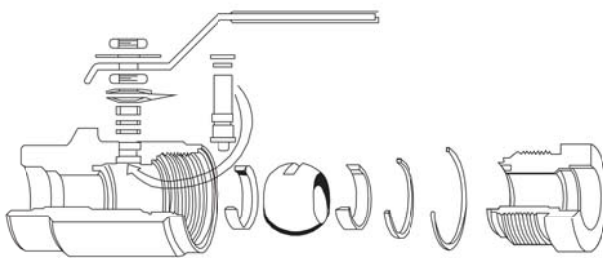
HÄGER forged steel ball valves (smaller than 2") have two structures. One is of 2-PCS body structure, threaded bonnet, RPTFE or PEEK seal. The another is of 3-PCS body structure, bolted tailpieces. Different materials for seats, gaskets and packing may be chosen acc.

Full port or conventional port □ 90° locating and lock structure □ Special Y type handle □ Fire proof and anti static □ Mounted flange as per ISO 5211 □ Blow out Proof stem □ Double sealing for the stem □ Bolted bonnet □ Socket welded ends to ASME B16.11 □ Screwed ends (NPT) to ANSI/ASME B1.20.1.



Anti-static

Seat is made of PTFE reinforced with 25% glass fibre or PEEK. PTFE with 25% glass fibre can gain better performances normally used for class 800 ball valves. PEEK can gain better performances under high pressure and high temperature normally used for class 1500 ball valves.



HÄGER compact ball valves are trusted by many customers because of its reasonable structures small space-occupation and good sealing performance



Flow coefficient Cv		
NPS	Full port	Reduced port
1/4	8	
3/8	8	
1/2	12	8
3/4	33	12
1	48	33
1 1/4	83	48
1 1/2	120	83
2	250	120