

DIRECT MOUNTING PAD SERIES TYPE V302

3 Piece Ball Valve Threaded / BW / SW End

SIZE: 1/4" to 4"
THREADED
SOCKET WELD
BUTT WELD



HEROSE UK's Ball Valves have been specifically designed to meet the requirements of high purity applications. The product ranges include ASME, DIN, and JIS standards, from normal 1pc, 2pc, 3pc body, multiple-port & V-ported valve designs with pressure ratings 1000PSI, 2000PSI, and 3000PSI, to high pressure 6000 and 10000PSI. Products for NACE MR-01-75, Atex 2014/34/EU, TRD100, low emission ISO15848-1, and fire-safe API 607 are under choices.

All materials are fully controlled and available with EN10204 3.1 certificates.

Direct Mounting Pad: Improves control accuracy, and facilitates maintenance by providing a direct and robust attachment point for mounting actuators onto the valve body.

Application: Our valves are suitable for Automotive, Gas & Oil, Chemical, Water & Wastewater, Mining, Minerals & Metals, Marine, Pulp & Paper, Food & beverage, and Pharmaceutical industries.

Size	1/4" - 4" / DN08-100
Pressure Rating	1000 PSI / PN63
End Connect	Threaded / BW / SW
Mounting Pad	ISO 5211 Direct
Material	CF8M / WCB 1.4408 / 1.0619

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DETAILS AND BENEFITS

BODY:

- Investment casting.
- Standard materials: CF8M, WCB.
- Special materials: Hastelloy, Duplex Steel, Super duplex steel.
- Swing-out body.

STEM:

- Blow-out proof stem.
- Anti-static device (optional).

SEAT:

Live loaded stem packing, increase the service life.

THRUST WASHER:

Prevent friction between the stem and the valve body.

DISC WASHER:

The Belleville washers are elastic and can compensate a force to the stem packing automatically when the stem packing is worn after a long-term operation.

LOCK WASHER:

Prevent the stem nut from loosening.

POSITIONING:

Below 2": stopper, above 2": stopper pin.

HANDLE NUT/BOLT:

When the pipeline is under pressure, the handle still can be disassembled safely.

PLATFORM:

ISO 5211 direct mounting pad.

BALL:

- Solid ball.
- The ball's surface is mirror polished, $Ra < 0.2\mu m$, which reduces friction with the ball seats and related torque.
- Ball with a pressure relief hole to balance the pressure inside the valve body (optional).

BALL SEAT:

- PTFE, RPTFE, TFM1600 available.
- Bi-directional sealing.
- Pressure relief hole to balance the pressure inside the valve body.

PORT:

- Threaded / Screwed, Socket Welding(SW), Butt Welding(BW).
- NPT \ ISO 228, BSPT, and others.

LENGTH:

- Threaded / Socket Weld(SW): DIN3202 M3.
- Butt Welding(BW): DIN3202 S13.

MARKING:

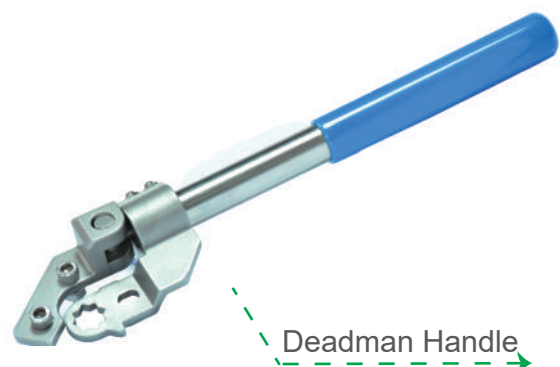
- The standard is marked with material, size, pressure, heat number on the body.
- Customer logo upon request.

INSPECTION:

- API 598, EN 12266-1.

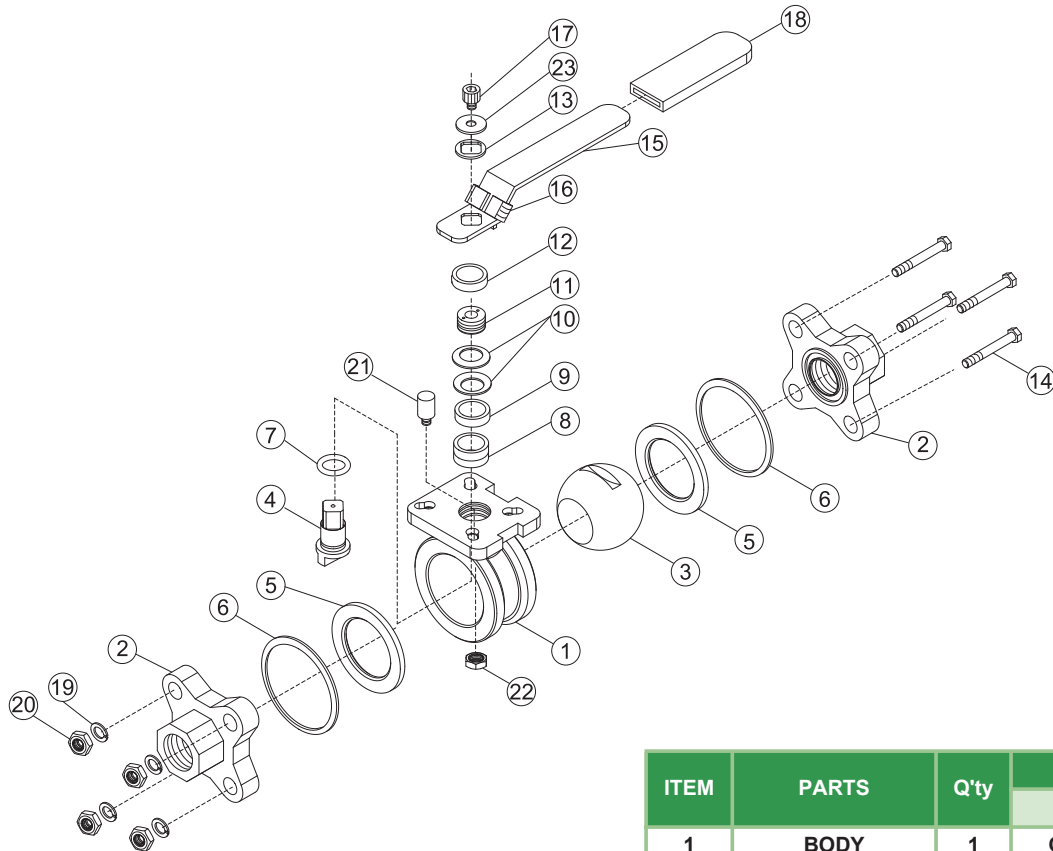
ADDITIONAL:

- 100 mm stem extension.
- Spring return deadman handle (up to 2").



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Features:

- > The valve has a full port design, allowing for maximum flow capacity. It is rated for PN63 and 1000PSI, indicating its pressure rating capabilities.
- > The valve is a three-piece ball valve available in threaded, socket, and butt weld connections, providing versatility in installation options.
- > The valve is equipped with an ISO 5211 Direct Mounting Pad, enabling direct attachment of actuators without additional components.
- > The valve body is available in different materials, including 1.4408/CF8M, 1.4308/CF8, and 1.0619/WCB, offering options for corrosion resistance and suitability for various applications.
- > The valve offers optional features such as a bare shaft design, DIN 3202 M3 length, and a locking device, providing flexibility and customization based on specific operational needs.

ITEM	PARTS	Q'ty	MATERIALS
			316
1	BODY	1	CF8M / 1.4408
2	END CAP	2	CF8M / 1.4408
3	BALL	1	CF8M / 1.4408
4	STEM	1	316
5	SEAT	2	RPTFE
6	BODY SEAL	2	RPTFE
7	THRUST WASHER	1	PTFE
8	STEM PACKING	2	PTFE
9	GLAND RING	1	304
10	DISC SPRING	2	301
11	INSERT	1	301
12	SPACER	1	RPTFE
13	SPACER	1	304
14	BODY BOLT	4	304
15	HANDLE	1	304
16	LOCK DEVICE	1	304
17	BOLT	1	304
18	HANDLE SLEEVE	1	PLASTIC
19	SPRING WASHER	4	304
20	HEX NUT	4	304
21	STOP PIN	1	304
22	NUT FOR PART 22	1	304
23	WASHER	1	304

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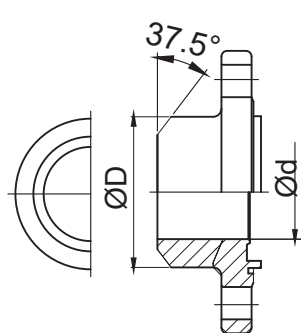
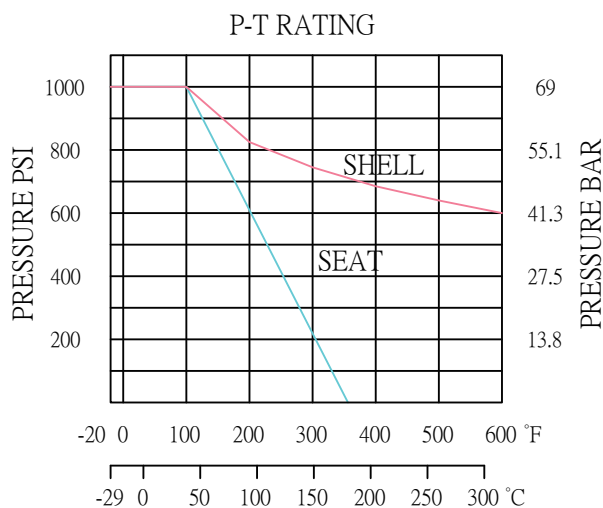
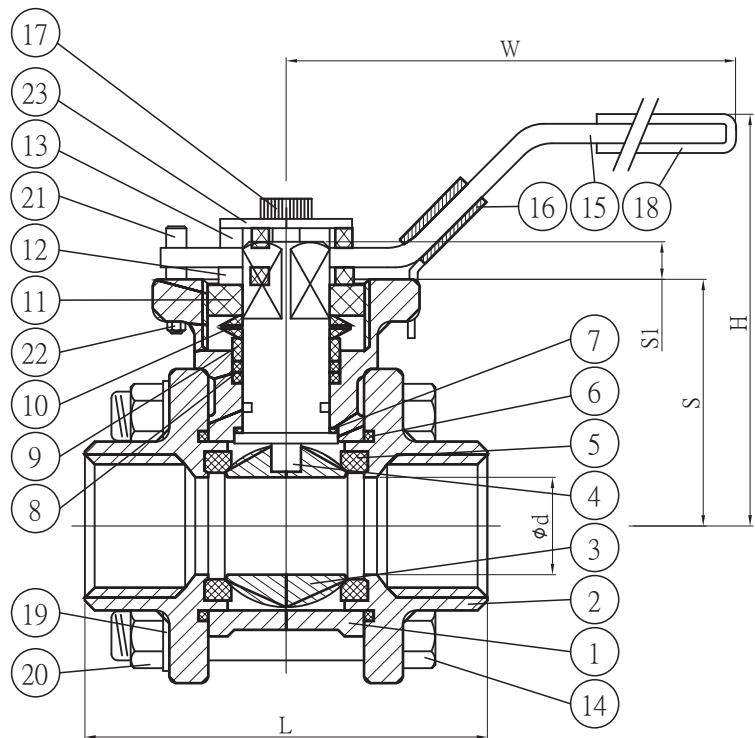
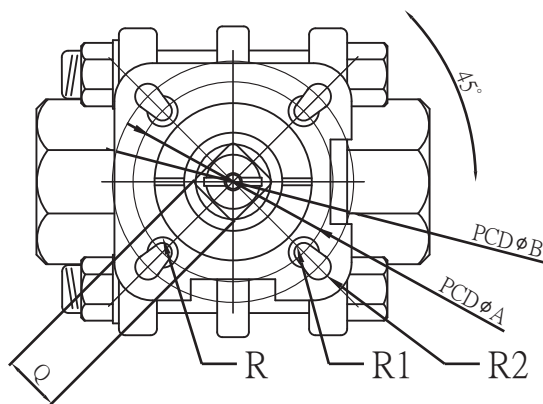
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DIMENSION

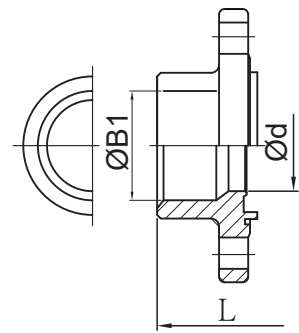
UNIT:mm

Size	Ød	End-to-End ± 2		H±5	W +0 W-10	S	S1	ØB	ØD	ØB1		ISO 5211					R	TORQUE (Nm)
		L	LB							B16.11	EN 12760	ØPcd A	ØPcd B	R1	R2	□Q		
1/4"	11	55	55	68	117	37	8.0	9.22	13.7	14.2	14.2	F03/Ø36	F04/Ø42	R3.0	R3.0	9.0	4.3	4.0
3/8"	12.7	60	55	68	117	37	8.0	12.48	18	17.6	17.6	F03/Ø36	F04/Ø42	R3.0	R3.0	9.0	4.3	4.0
1/2"	15	75	60	70	117	38	8.5	15.76	22	21.8	21.8	F03/Ø36	F04/Ø42	R3.0	R3.0	9.0	4.3	5.4
3/4"	20	80	75	69	127	41.7	9.0	20.96	28	27.2	27.2	F03/Ø36	F04/Ø42	R3.0	R3.0	11	4.3	7.4
1"	25	90	80	78	170	44.4	9.0	26.64	34	33.9	33.9	F04/Ø42	F05/Ø50	R3.0	R3.5	11	5.5	10.4
1-1/4"	31.8	110	95	89	154	54	10.5	35.08	41	42.7	42.7	F04/Ø42	F05/Ø50	R3.0	R3.5	14	5.5	13.5
1-1/2"	38	120	105	100	182	59.5	10.5	40.94	49	48.8	48.8	F05/Ø50	F07/Ø70	R3.5	R4.5	14	5.5	18
2"	50	140	120	107	182	67	10.5	52.48	62	61.5	61.5	F05/Ø50	F07/Ø70	R3.5	R4.5	14	5.5	25

TORQUE OVER STANDARD WITHIN 5% IS ACCEPTED.



BUTT WELD END



SOCKET WELD END