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Екатеринбург (343)384-55-89

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Киргизия (996)312-96-24-7

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DUPLEX 2205

MD-82

ANSI Class 150
2-PC Flanged Ball Valves

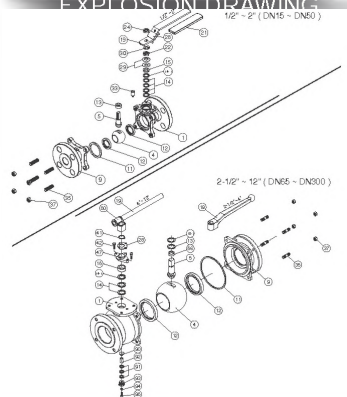


API 607 6th Edition
ISO 10497
Fugitive Emission
Full Bore
ISO 5211 Mounting
2 Piece Body Design

AVAILABLE MATERIAL

- **ALLOY 20**
- **HASTELLOY® C-276**
- **DUPLEX 2205**
- **DUPLEX 2507**
- **MONEL®**
- **SS904L**

EXPLOSION DRAWING



FEATURES

- Investment Cast Body Construction
- 2 Pieces Body Design
- ISO 5211 Mounting Flange
- Blow-Out-Proof Stem Design
- Available for Pneumatic or Electric Actuator
- NACE MR0175 is available upon request
- Other Super Alloy materials for highly corrosive medium are available upon request

STANDARD

- Design ASME/ANSI B16.34 / API 608
- Mounting Flange ISO 5211
- Face to Face ASME/ANSI B16.10 Class 150
- Flange Dimension ASME/ANSI B16.5 Class 150 RF
- Material ASTM
- Pressure Testing API 598

CERTIFICATE

- Fire Safe API 607 6th Edition / ISO 10497 Certified
- Fugitive Emission TA-LUFT
- Quality Assurance ISO 9001
- Material Certificate EN 10204-3.1 MTR
- CE Approval PED 97/23/EC Module H
- Canadian Certificate CRN

MATERIAL

NO.	PART NAME	MATERIAL (more options available)
1	BODY	ASTM A890/995 Gr.CD3MN
4	BALL	ASTM A890/995 Gr.CD3MN
5	STEM	S31803
9	END CAP	ASTM A890/995 Gr.CD3MN
11	BODY SEAL	GRAPHITE+SS316 (SPIRAL WOUND)
12	SEAT	RTFE.(15%G.F.)
13	THRUST WASHER	PTFE.
13-1	THRUST WASHER (for 2-1/2" ~ 12" only)	PTFE.
14	STEM PACKING	PTFE.
14-1	STEM PACKING	PTFE.
15	GLAND	SS304
19	HANDLE	SS304(1/2"~2") 、 FCD45(2-1/2"~4") 、 SC15(5"~12")
21	HANDLE COVER	PLASTIC
22	STEM NUT (for 1/2" ~ 2" only)	SS304
24	HANDLE NUT (for 1/2" ~ 2" only)	SS304
28	LOCKING DEVICE	SS304
29	BELLEVILLE WASHER (for 1/2" ~ 2" only)	SS301
30	TAB WASHER (for 1/2" ~ 2" only)	SS304
33	STOP PIN (for 1/2" ~ 2" only)	SS304
35	BODY BOLT	ASTM A193 Gr.B8
37	BOLT NUT	ASTM A194 Gr.8
41	SNAP RING (for 2-1/2" ~ 12" only)	NICKEL PLATED CARBON STEEL
42	GLAND BOLT (for 2-1/2" ~ 12" only)	SS304
47	GLAND FLANGE (for 2-1/2" ~ 12" only)	ASTM A351 Gr.CF8
50	HANDLE ADAPTER (for 2-1/2" ~ 12" only)	ASTM A216 Gr.WCB
56	STEM BEARING (for 2-1/2" ~ 12" only)	PTFE.
90	PIN SEAT (for 10" ~ 12" only)	RTFE.
91	PIN PACKING (for 10" ~ 12" only)	RTFE.
92	SUPPORT PIN (for 10" ~ 12" only)	S31803

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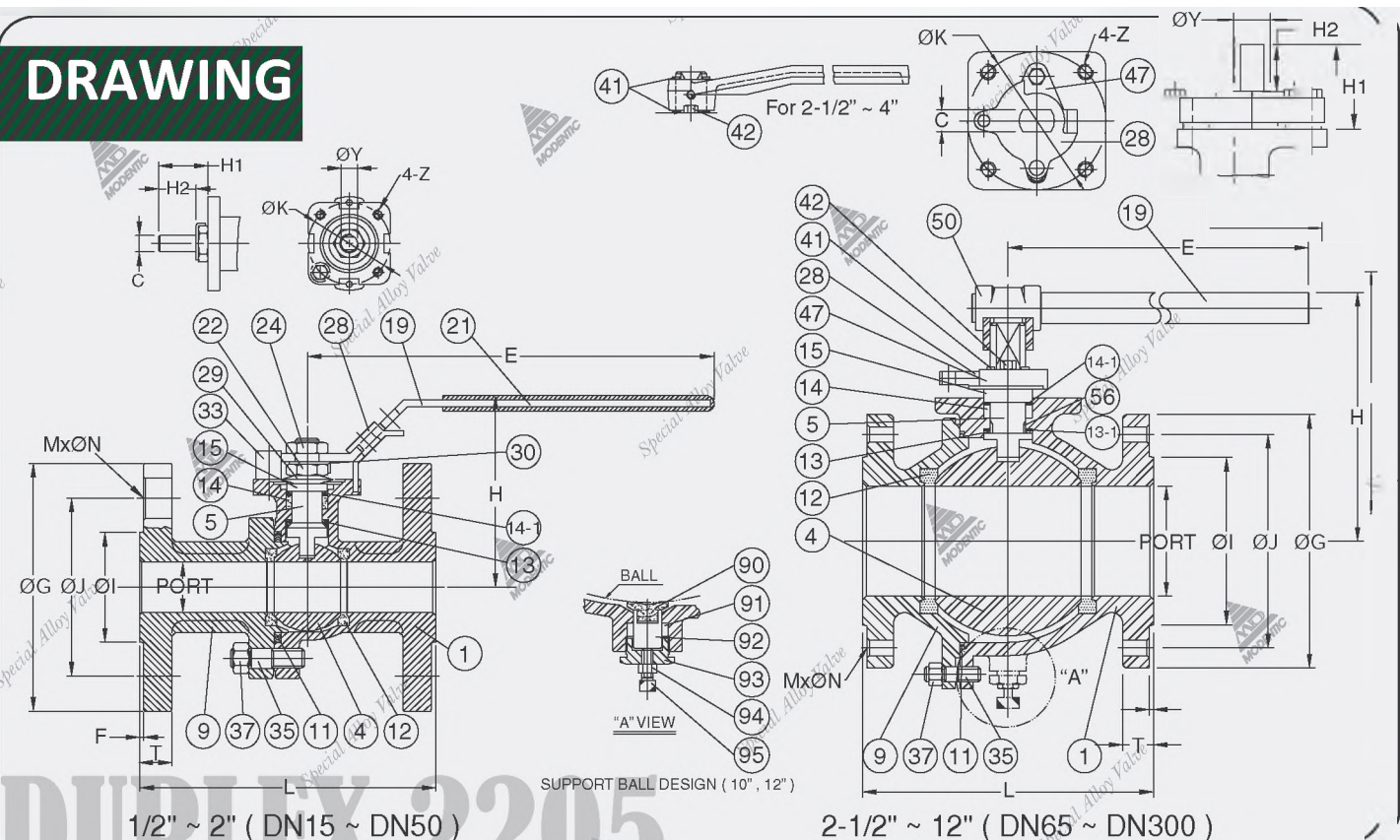
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DRAWING



DIMENSION

	SIZE	PORT	L	E	H	H1	H2	C	ØY	ØG	ØJ	ØI	I	E	MxØN	ØK	Z	
	DN15	1/2"	15.0	108	165	66	14	8.0	6.35	9.3	89.0	60.5	35.0	11.2	1.6	4xØ16	42 F04	M5x0.8P
	DN20	3/4"	20.0	117	165	74	14	8.0	6.35	9.3	98.0	70.0	43.0	12.7	1.6	4xØ16	42 F04	M5x0.8P
	DN25	1"	25.0	127	200	87	19	11.0	8.0	10.9	108.0	79.5	51.0	14.3	1.6	4xØ16	50 F05	M6x1.0P
	DN32	1-1/4"	32.0	140	200	92	19	11.0	8.0	10.9	117.5	88.9	64.0	15.9	1.6	4xØ16	50 F05	M6x1.0P
	DN40	1-1/2"	38.0	165	250	105	23	14.0	9.5	15.7	127.0	98.5	73.0	17.5	1.6	4xØ16	70/F07	M8x1.25P
	DN50	2"	50.0	178	265	115	23	14.0	9.5	15.7	152.4	120.5	92.0	19.1	1.6	4xØ19	70/F07	M8x1.25P
	DN65	2-1/2"	65.0	190	390	165	78	44.5	17.0	28.0	178.0	139.5	105.0	22.3	1.6	4xØ19	102 F10	M10x1.5P
	DN80	3"	76.0	203	390	166	78	44.5	17.0	28.0	190.0	152.5	127.0	23.9	1.6	4xØ19	102/F10	M10x1.5P
	DN100	4"	101.5	229	390	183	78	44.5	17.0	28.0	229.0	190.5	157.0	23.9	1.6	8xØ19	102/F10	M10x1.5P
	DN150	6"	152.0	394	650	285	91	42.0	26.0	43.5	279.0	241.3	216.0	25.4	1.6	8xØ22	125/F12	M12x1.75P
	DN200	8"	200.0	457	950	294	91	42.0	26.0	43.5	343.0	298.5	270.0	28.6	1.6	8xØ22	125/F12	M12x1.75P
	DN250	10"	250.0	533	1100	372	98	54.0	35.0	50.0	406.0	362.0	324.0	30.2	1.6	12xØ25	140/F14	M16x2.0P
	DN300	12"	300.0	610	1100	413	98	54.0	35.0	50.0	483.0	432.0	381.0	31.8	1.6	12xØ25	140/F14	M16x2.0P

UNIT : MM

	SIZE	PORT	L	E	H	H1	H2	C	ØY	ØG	ØJ	ØI	T	E	MxØN	ØK	Z	
	DN15	1/2"	0.59	4.25	6.50	2.60	0.55	0.31	0.25	0.37	3.50	2.38	1.38	0.44	0.06	4xØ0.63	1.65/F04	M5x0.8P
	DN20	3/4"	0.79	4.61	6.50	2.91	0.55	0.31	0.25	0.37	3.86	2.76	1.69	0.50	0.06	4xØ0.63	1.65/F04	M5x0.8P
	DN25	1"	0.98	5.00	7.87	3.43	0.75	0.43	0.31	0.43	4.25	3.13	2.01	0.56	0.06	4xØ0.63	1.97/F05	M6x1.0P
	DN32	1 1/4"	1.26	5.51	7.87	3.62	0.75	0.43	0.31	0.43	4.63	3.50	2.52	0.63	0.06	4xØ0.63	1.97/F05	M6x1.0P
	DN40	1 1/2"	1.50	6.50	9.84	4.13	0.91	0.55	0.37	0.62	5.00	3.88	2.87	0.69	0.06	4xØ0.63	2.76/F07	M8x1.25P
	DN50	2"	1.97	7.01	10.43	4.53	0.91	0.55	0.37	0.62	5.98	4.74	3.62	0.75	0.06	4xØ0.75	2.76/F07	M8x1.25P
	DN65	2 1/2"	2.56	7.48	15.35	6.50	3.07	1.75	0.67	1.10	7.01	5.49	4.13	0.88	0.06	4xØ0.75	4.02/F10	M10x1.5P
	DN80	3"	2.99	7.99	15.35	6.54	3.07	1.75	0.67	1.10	7.48	6.00	5.00	0.94	0.06	4xØ0.75	4.02/F10	M10x1.5P
	DN100	4"	4.00	9.02	15.35	7.20	3.07	1.75	0.67	1.10	9.02	7.50	6.18	0.94	0.06	8xØ0.75	4.02/F10	M10x1.5P
	DN150	6"	5.98	15.51	25.59	11.22	3.58	1.65	1.02	1.71	10.98	9.51	8.50	1.00	0.06	8xØ0.87	4.92/F12	M12x1.75P
	DN200	8"	7.87	17.99	37.40	11.57	3.58	1.65	1.02	1.71	13.50	11.75	10.63	1.13	0.06	8xØ0.87	4.92/F12	M12x1.75P
	DN250	10"	9.84	20.98	43.31	14.65	3.86	2.13	1.38	1.97	15.98	14.25	12.76	1.19	0.06	12xØ0.98	5.51/F14	M16x2.0P
	DN300	12"	11.81	24.02	43.31	16.26	3.86	2.13	1.38	1.97	19.02	17.01	15.00	1.25	0.06	12xØ0.98	5.51/F14	M16x2.0P

UNIT : INCH