2-PCS BALL VALVE WITH ISO TOP FLANGE

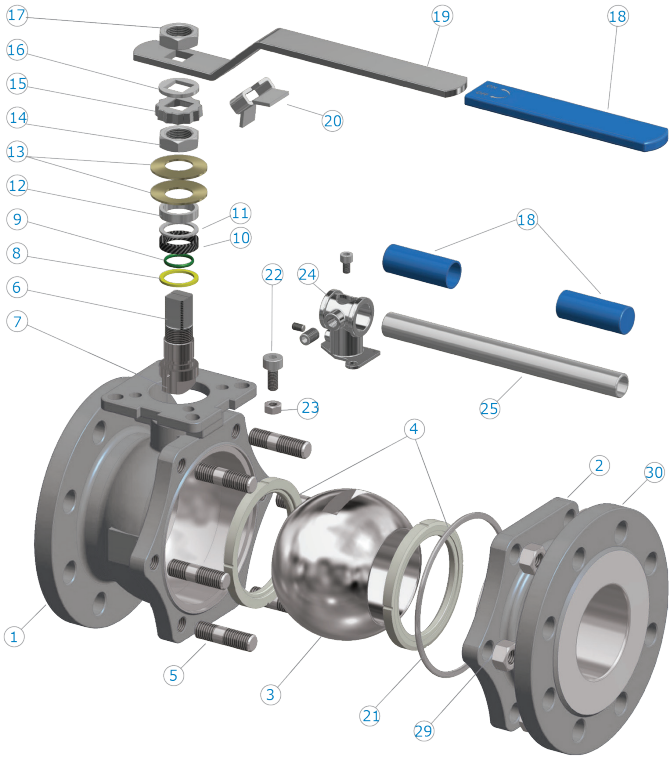
TYPE E7289

GENERAL

DIMENSION - PN40 VERSION:	DN 15 - DN 100
DIMENSION - PN16 VERSION:	DN 65 - DN 100
FLANGES:	EN1092-1
FACE-TO-FACE:	EN558:2008 SERIES 27
TOP FLANGES:	ISO 5211

OPTIONS

FLANGES:	ANSI 150, ANSI 300
MATERIAL:	WCB
SEAT/PACKINGS:	VARIOUS MATERIALS
DIMENSIONS:	DN 125 - DN 200
MATERIAL O-RING:	KALREZ® 6375



POS	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL CF8M
2	CONNECTION	STAINLESS STEEL CF8M
3	BALL	STAINLESS STEEL CF8M
4	SEAT	PTFE TFM 1600
5	STUD	STAINLESS STEEL AISI 304
6	STEM	STAINLESS STEEL AISI 316
7	ANTI-STATIC DEVICE	STAINLESS STEEL AISI 316
8	THRUST WASHER SEAL	PTFE
9	O-RING	FPM
10	GLAND PACKING	GRAFOIL
11	BUSHING	STAINLESS STEEL AISI 304
12	GLAND	STAINLESS STEEL AISI 316
13	BELLEVILLE WASHER	STAINLESS STEEL AISI 301
14	NUT	STAINLESS STEEL AISI 304
15	LOCKING CAP	STAINLESS STEEL AISI 304
16	RING	STAINLESS STEEL AISI 304
17	NUT	STAINLESS STEEL AISI 304
18	SLEEVE	VINYL
19	HAND LEVER	STAINLESS STEEL AISI 304
20	LOCKING DEVICE	STAINLESS STEEL AISI 304
21	BODY GASKET	LEADER® SPIRAL WOUND GRAPHITE/PTFE
22	SOCKET HEAD SCREW	STAINLESS STEEL AISI 304
23	NUT	STAINLESS STEEL AISI 304
24	T-HANDLE SUPPORT	STAINLESS STEEL AISI CF8
25	T-HANDLE*	ZINC PLATED STEEL
26	NUT	STAINLESS STEEL AISI 304

*) DN100 - DN150

DESCRIPTION

- **Material certificate** EN 10204 3.1 on all ball valves. Approved for Atex area (Group II, equipment category 2).
- **Inspection window** for control of the open / close function and the seal ring when actuator is installed directly onto the valve.
- **Supplied with Kalrez® O-ring on the stem** makes the valve resistant for chemical applications containing Amines and Ketones.
- **Full bore** resulting in minimal pressure loss through the ball valve.
- **Integrated ISO 5211 mounting flanges** and ◇ stem making it quick and easy to install actuators without the use of brackets and couplings. This compact unit is inexpensive and yields less transitions = less play.
- **Maintenance free seal ring** with belleville spring washers, V-rings and O-ring, providing optimum sealing capabilities - even at changing temperatures.
- **The valve has as standard the following approvals:** Fire Safe acc. API 607 6th edition, TA-Luft, ATEX 94/9 / EC (Ex II 2 GD Ec-c II), SIL 2, EC1935, FDA.

DS-E7289-UK-08-2019-REV. B
We reserve the right for changes.

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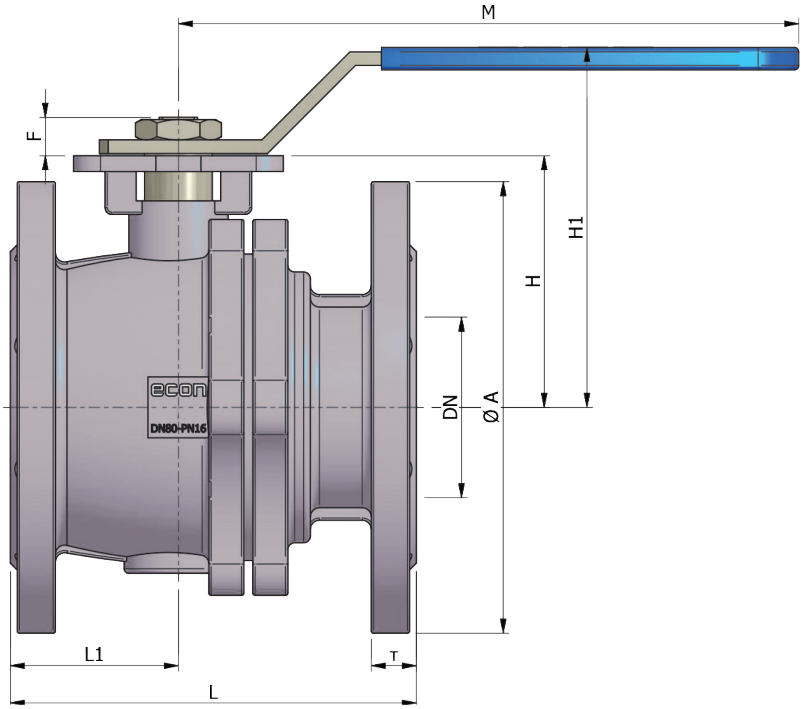
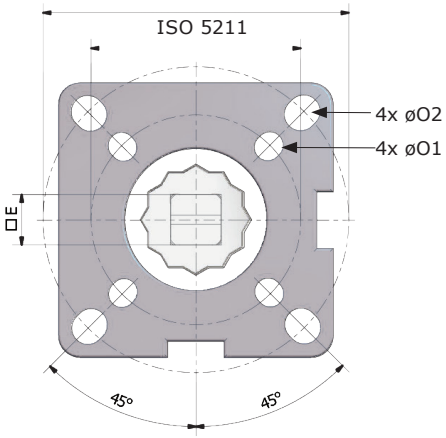
DIMENSIONS





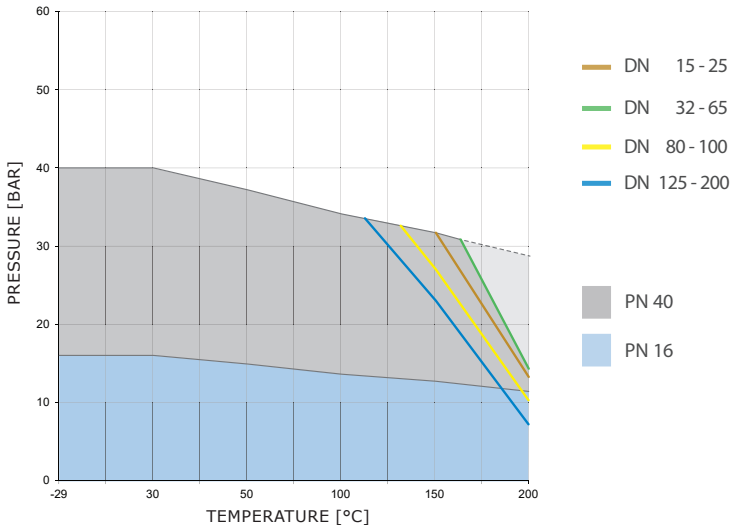
DIM	VALVE WITH HANDLE							ISO TOP FLANGE				WEIGHT	PRES-SURE
[MM]	øA	T	F	H	H1	L	L1	M	øO1/øO2	ISO 5211	□E	[KG]	
15	95	16	9	48	78	115	50	145	6/6	F03/F04	9	2.4	PN 40
20	105	18	9	53	84	120	54	145	6/6	F03/F04	9	3.2	
25	115	18	11	59	90	125	56	175	6/7	F04/F05	11	4.2	
32	140	18	11	71	102	130	58	175	6/7	F04/F05	11	5.5	
40	150	18	14	76	110	140	58	190	7/9	F05/F07	14	6.9	
50	165	20	14	85	118	150	63	190	7/9	F05/F07	14	9.5	
65	185	22	17	107	155	170	64	265	9/11	F07/F10	17	13.8	
80	200	24	17	117	181	180	70	300	9/11	F07/F10	17	17.7	
100	235	24	22	140	210	190	78	400	-/11	F10	22	25.2	
65	185	18	17	102	150	170	69	265	9/11	F07/F10	17	13.8	PN 16
80	200	20	17	112	176	180	75	300	9/11	F07/F10	17	17.7	
100	220	20	22	140	210	190	83	400	-/11	F10	22	25.2	

VALVE DATA

DIM	*TORQUE [NM]	KV-VALUE [M³/H AT 1 BAR]	PRES-SURE
[MM]	LØSRIVNINGS-MOMENT	90° HELT ÅBEN	
15	6.5	15	PN 40
20	7.8	31	
25	14.3	41	
32	22.1	62	
40	29.9	103	
50	44.2	163	
65	68.9	386	
80	113.1	514	
100	170.3	943	
65	61.1	386	PN16
80	100.1	514	
100	152.1	943	

*Torque figures with 30 % safety factor included.
When dimensioning the actuator please add the following:
+ 15% if dry air or demineralized water.
+ 30% if sludge or abrasive medias.
- 15% if lubricating medias.

PRESSURE/TEMPERATURE



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