

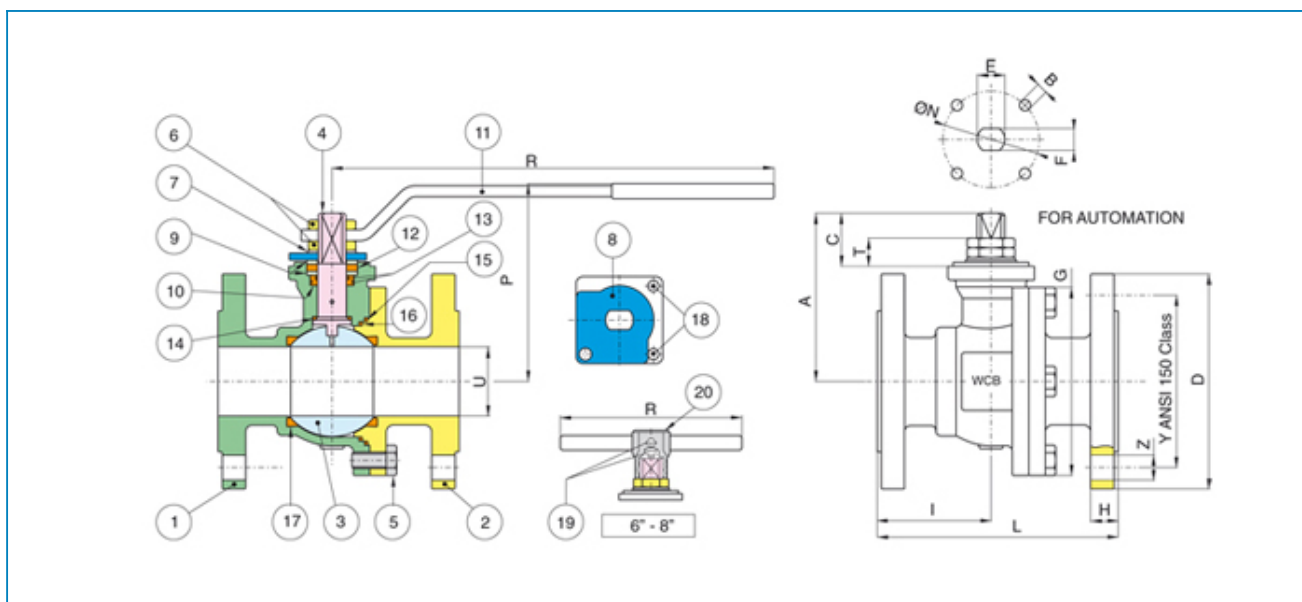
Serie **ANSI 150 SPLIT BODY BALL VALVE**

Articolo **762000**

Split Body, carbon steel A216 WCB, flanged ANSI 150 ball valve.

- Full port sizes 1/2" to 8".
- Blow out proof stem, adjustable stem packing.
- P.T.F.E. seats, packing and thrust washer.
- Standard grounded stem and ball.
- 100% tested. - PED 97/23/CE.
- Standard locking device.
- Flange ANSI B16.5, length ANSI B16.10.
- Fire Safe approved API 6FA.
- BS 6755/2 - ISO 10497.
- TUV T.A. Luft approved Antistatic BS 5146 - ISO 7121.

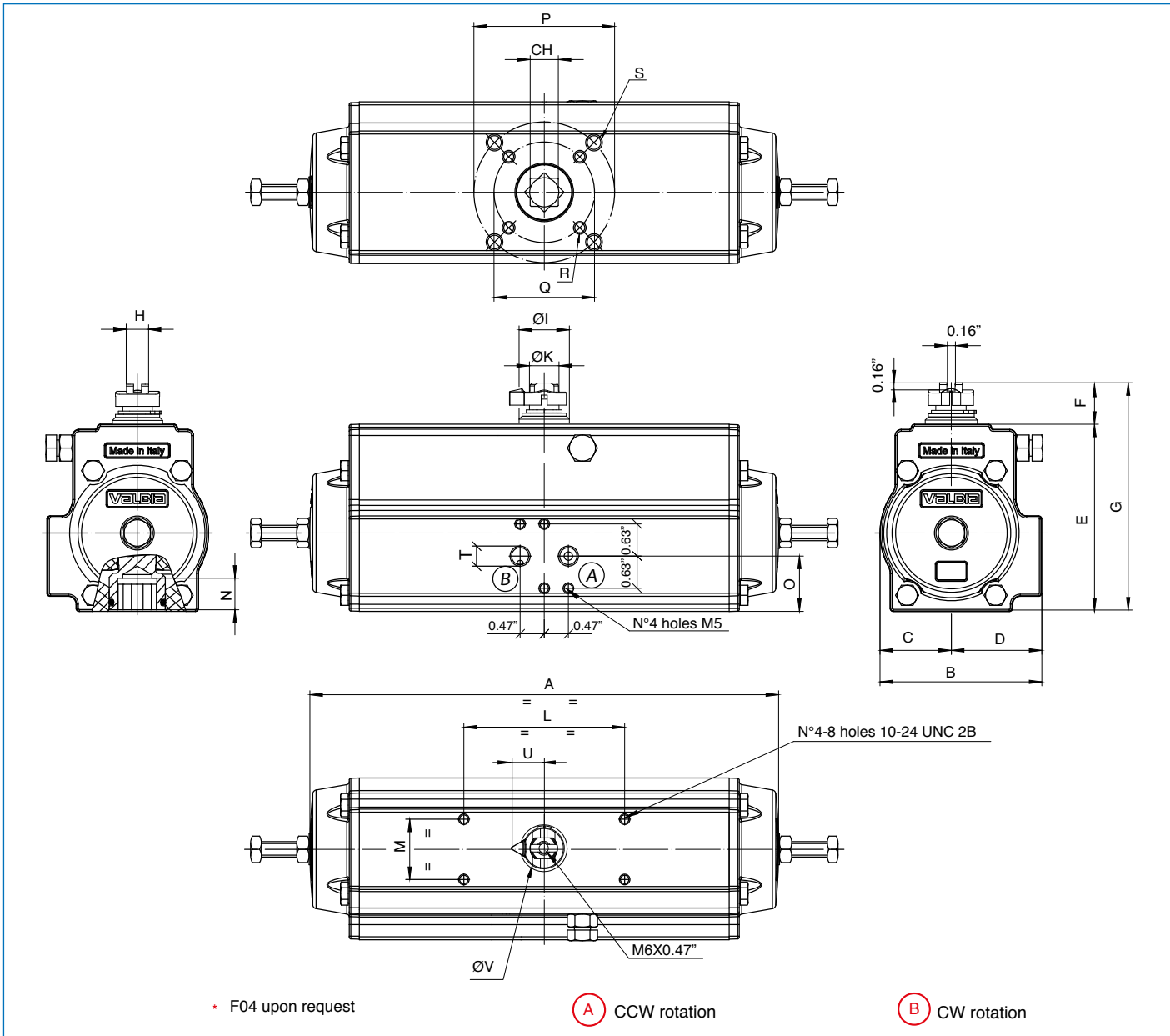
COMPLIES WITH NACE MR 0175, NACE MR 0103 AND ISO 15156



N POS	PART NAME	MATERIAL	N PCS
1	BODY	A216 WCB	1
2	END CONNECTION	A216 WCB	1
3	BALL	AISI 316 (1/2" - 1"1/2) AISI CF8M (2" - 8")	1
4	STEM	AISI 316	1
5	SCREW	1/2" ...2" 3" ...8"	48
6	NUT	1/2" ...4" 6" - 8"	21
7	SPRING WASHER	STEEL	2
8	TRAVEL STOP	STEEL	1
9	PACKING GLAND	STEEL	2
10	STEM SEAT	P.T.F.E.	1
11	HANDLE	STEEL	1
12	STEM SEAT	GRAPHOIL	1
13	O-RING	FKM (Viton®)	2
14	THRUST WASHER	P.T.F.E.	1
15	SEAT	GRAPHOIL	1
16	SEAT	P.T.F.E.	1
17	BALL SEATS	P.T.F.E.	2
18	SCREW	STEEL	2
19	SCREW	STEEL	2
20	BODY HANDLE	CAST IRON	1

SIZE	U	D	Y	Z	I	L	G	P	R	A	C	H	E	F	ØN	B	T	CV	Lbs
1/2"	0.59	3.50	2.38	Ø0.62x4	1.83	4.25	2.80	2.72	5.20	2.00	0.72	0.45	M10	0.28	1.65 (F04)	4XM5	0.43	18.90	4.21
3/4"	0.75	3.88	2.75	Ø0.62x4	2.09	4.62	2.89	2.80	5.20	2.07	0.72	0.51	M10	0.28	1.65 (F04)	4XM5	0.43	34.22	5.35
1"	0.98	4.25	3.12	Ø0.62x4	2.34	5.00	3.56	3.54	6.89	2.76	0.98	0.57	M12	0.31	1.97 (F05)	4XM6	0.55	49.88	8.15
1 1/2"	1.50	5.00	3.88	Ø0.62x4	3.03	6.50	4.49	5.20	9.88	4.20	1.21	0.69	M16	0.39	1.97 (F05)	4XM6	0.75	230.00	15.65
2"	1.97	6.00	4.75	Ø0.75x4	3.39	7.00	5.37	5.67	12.68	4.80	1.52	0.77	M20	0.55	2.76 (F07)	4XM8	0.79	307.40	23.81
3"	2.99	7.50	6.00	Ø0.75x4	3.13	8.00	7.03	6.77	15.04	5.96	1.68	0.94	M24	0.71	4.02 (F10)	4XM10	0.91	1012.68	47.62
4"	3.94	9.00	7.50	Ø0.75x8	4.33	9.00	8.21	7.32	15.04	6.50	1.68	0.94	M24	0.71	4.02 (F10)	4XM10	0.91	1612.40	67.02
5"	4.92	10.00	8.50	Ø0.88x8	5.90	14.00	10.75	8.18	15.04	7.36	1.68	0.94	M24	0.71	4.02 (F10)	4XM10	0.91	1980.12	67.02
6"	5.91	11.00	9.50	Ø0.88x8	7.13	15.50	12.24	11.34	27.56	9.65	2.68	1.00	M42	1.18	4.92 (F12)	4XM12	1.57	2347.84	174.30
8"	7.87	13.50	11.75	Ø0.88x8	8.35	18.00	15.83	13.07	27.56	11.36	2.68	1.14	M42	1.18	4.92 (F12)	4XM12	1.57	3155.20	254.60

# DIMENSIONS 180° DOUBLE ACTING ACTUATORS

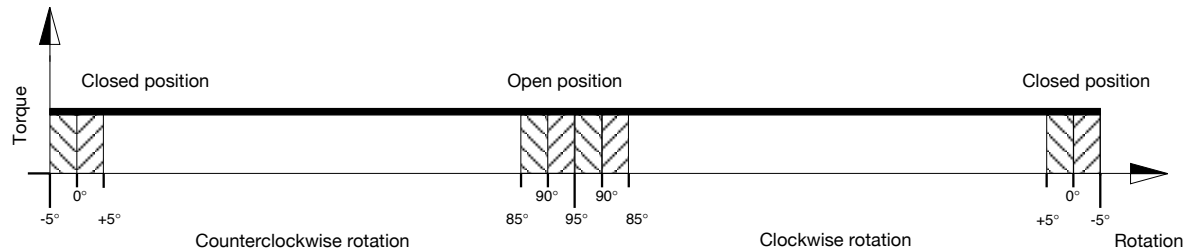
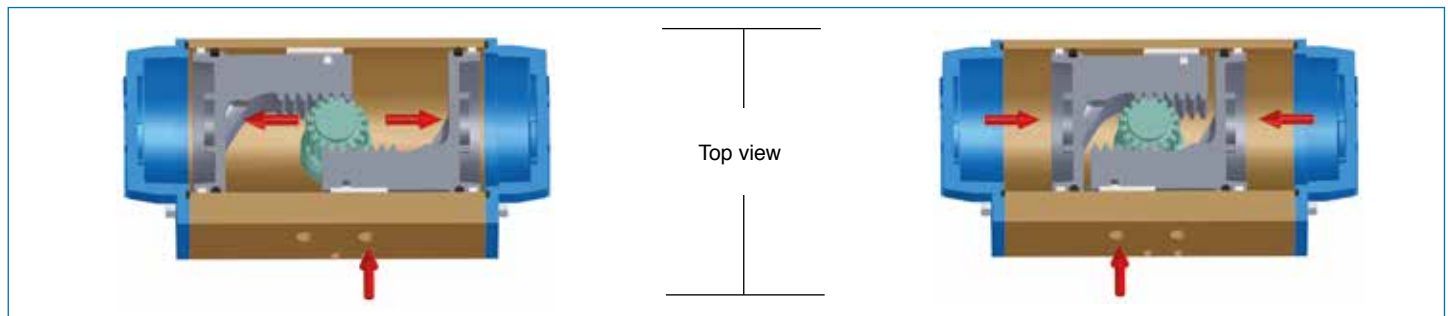


MOD.	DRILLING ISO 5211	CH	A	B	C	D	E	F	G	H	ØI	ØK	L	M	N	O	P	Q	R	S	T NPT	U	øV
52	F03-F05 *	0.43	7.76	2.80	1.18	1.61	3.21	0.79	4.0	0.39	0.83	0.47	3.15	1.18	0.47	1.04	1.97	1.42	10-24 UNC 2Bx0.29"	1/4-20 UNC 2Bx0.35"	1/8"	0.67	0.87
63	F05 - F07	0.55	9.17	3.17	1.40	1.77	3.66	0.79	4.45	0.43	0.98	0.59	3.15	1.18	0.63	1.08	2.76	1.97	1/4-20 UNC 2Bx0.31"	5/16-18 UNC 2Bx0.47"	1/8"	0.67	0.87
75	F05 - F07	0.67	11.73	3.72	1.65	2.07	4.37	0.79	5.16	0.51	1.14	0.75	3.15	1.18	0.75	1.38	2.76	1.97	1/4-20 UNC 2Bx0.31"	5/16-18 UNC 2Bx0.47"	1/8"	0.83	1.14
85	F05 - F07	0.67	13.43	4.17	1.87	2.30	4.92	0.79	5.71	0.59	1.38	0.87	3.15	1.18	0.75	1.65	2.76	1.97	1/4-20 UNC 2Bx0.31"	5/16-18 UNC 2Bx0.47"	1/8"	0.83	1.14
100	F07 - F10	0.67	15.28	4.84	2.17	2.68	5.43	0.79	6.21	0.59	1.38	0.87	3.15	1.18	0.81	1.97	4.02	2.76	5/16-18 UNC 2Bx0.31"	3/8-16 UNC 2Bx0.55"	1/4"	0.83	1.14
115	F07 - F10	0.87	18.78	5.39	2.52	2.87	6.39	1.18	7.57	0.87	1.93	1.26	3.15/5.12	1.18	0.94	1.97	4.02	2.76	5/16-18 UNC 2Bx0.47"	3/8-16 UNC 2Bx0.59"	1/4"	1.26	1.73
125	F07 - F10	0.87	21.14	5.83	2.68	3.15	6.87	1.18	8.05	0.87	1.93	1.26	3.15/5.12	1.18	0.94	2.40	4.02	2.76	5/16-18 UNC 2Bx0.47"	3/8-16 UNC 2Bx0.59"	1/4"	1.26	1.73
140	F10 - F12	1.06	24.02	6.46	3.01	3.44	7.76	1.18	8.94	0.94	1.93	1.38	3.15/5.12	1.18	1.14	2.80	4.92	4.02	3/8-16 UNC 2Bx0.59"	1/2-13 UNC 2Bx0.71"	1/4"	1.26	1.73
160	F10 - F12	1.06	25.35	7.32	3.43	3.90	8.70	1.18	9.88	1.18	2.24	1.57	3.15/5.12	1.18	1.26	3.15	4.92	4.02	3/8-16 UNC 2Bx0.55"	1/2-13 UNC 2Bx0.67"	1/4"	1.57	2.36

The dimension of the adjustment screws change according to the angle of rotation needed.



## DOUBLE ACTING ACTUATOR



With reference to the above diagram it can be noted that the torque of a double acting actuator remains constant through-out the complete action.

The user can decide on which model to choose according to the own specific requirements, using the following guidelines:

1. Define the maximum torque of the valve to automate.
2. To obtain a safety factor increase the torque value chosen by 25% - 50% (subject to the type of valve and working conditions).
3. Once the torque value suggested is obtained consult the torque chart and in relation to the corresponding air pressure find a torque value exact to or exceeding the one obtained.
4. Once the torque value is determined move horizontally to the column "model" to find the actuator model required.

TYPE	AIR SUPPLY PRESSURE (psi)							
	40	50	60	70	80	90	100	115
	TORQUE OUTPUT DOUBLE ACTING ACTUATORS (in-Lbs)							
DA 32	34	43	55	64	71	82	87	101
DA 52 *	88	112	133	158	178	201	227	263
DA 63 *	152	193	238	282	320	361	405	469
DA 75 *	283	356	435	513	586	659	736	851
DA 85 *	406	514	628	744	853	960	1072	1237
DA 100 *	645	814	989	1163	1333	1505	1681	1939
DA 115	1065	1344	1640	1932	2212	2488	2779	3211
DA 125	1402	1771	2153	2539	2905	3274	3650	4220
DA 140	2003	2504	3005	3506	4006	4509	5009	5764
DA 160	2804	3501	4196	4899	5596	6292	6987	8045
DA 180	3860	4825	5790	6746	7711	8661	9627	11081
DA 200	5198	6494	7796	9089	10393	11670	12972	14924
DA 230	8589	10738	12880	15031	17180	19289	21440	24671
DA 270	12625	15777	18935	22093	25246	28361	31511	36269
DA 330	22464	28083	33702	39321	44939	50476	56086	64555

\* Valid also for stainless steel actuator