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Warning: filectime(): stat failed for /var/www/vhost/www.omal.it/htdocs/https://www.omal.it./FilesProdotti/Certificate-202053402-OMAL-ValvoleMagnum-Thor-new.pdf in /var/www/vhost/www.omal.it/htdocs/prodotto-printable.php on line 65

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Warning: filectime(): stat failed for /var/www/vhost/www.omal.it/htdocs/https://www.omal.it./PdfProdotti/028/Certificati/FIRE SAFE DN 15-100/Thor Split Body - PN 63-100 ANSI 600 in acciaio al carbonio - FIRE SAFE DN15-100.pdf in /var/www/vhost/www.omal.it/htdocs/prodotto-printable.php on line 65

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Warning: filectime(): stat failed for /var/www/vhost/www.omal.it/htdocs/https://www.omal.it./FilesProdotti/Certificate6D-1007.pdf in /var/www/vhost/www.omal.it/htdocs/prodotto-printable.php on line 65

THOR Split Body ANSI 600 reduced bore carbon steel ball valve



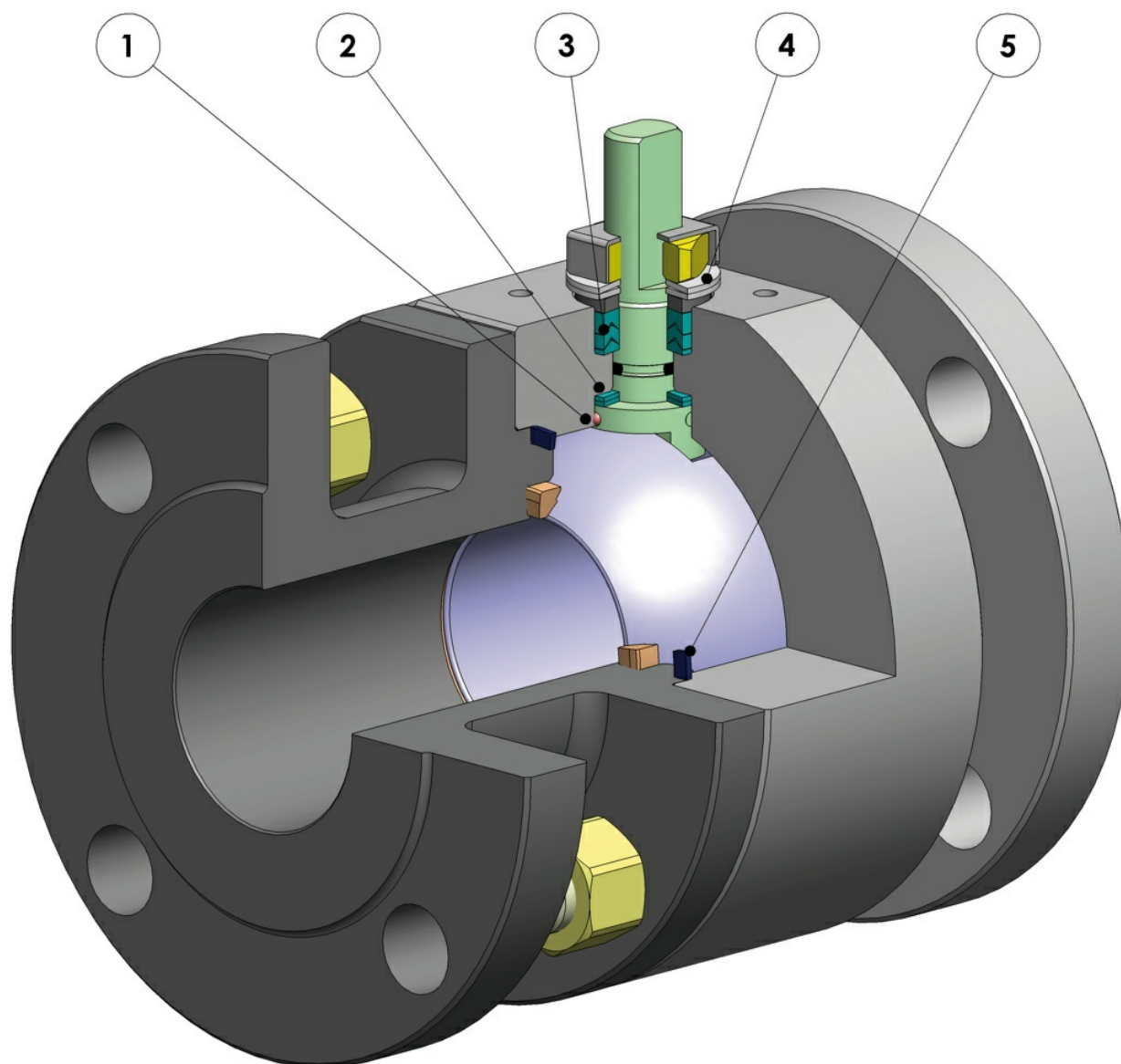
benefits

Macro [Ball valves](#)

Category [THOR](#)

Subcategory [THOR Split Body](#)

Family THOR Split Body ANSI 600 reduced bore



1. Antistatic device (electrical continuity between ball, stem and body)

Static electricity is avoided which can cause sparks and fire in an inflammable/explosive environment
Contact safety throughout the entire life of the valve

2. Double antifriction washer

Less Breakaway Torque is granted
Less wear comparing with the execution with the single washer

3. "V" seals pack; 3 seals + o-ring

It ensures a perfect tightness even after a high number of cycles

4. Spring washer on the shaft seal

Guarantee of the recovery of the gap due to the wear caused by the rotational movement of the shaft avoiding leakage towards the outside part.
Allow to maintain energized the "chevron" seals (V), thus avoiding any leakage to the outside, against huge temperature excursions

5. Stretch Graphite seal

Tightness towards outside is granted, independently by the thermal excursions to which the valve is subjected

Greater precision in the alignment of axes due to a unique positioning in the process machining from raw material to finished valve

Longer lifetime of the valve
Less breakaway torque

Easy maintainance directly on site

Reduced maintainance costs

Valve body in carbon steel made with NACE certified material as standard

Greater corrosion resistance
Greater ductility of the material

100% in- house manufacturing process technology

Maximum control and accuracy in all the stages of the manufacturing process
Flexibility in supply quickly special executions requested by customers

"Fire safe" Certificate

Guarantees the tightness of the valve also in case of fire

ATEX Certificate

Installation is possible in a potential explosive environment

TA LUFT fugitive emission Certificate

High level of safety of the tightness towards the outside is granted

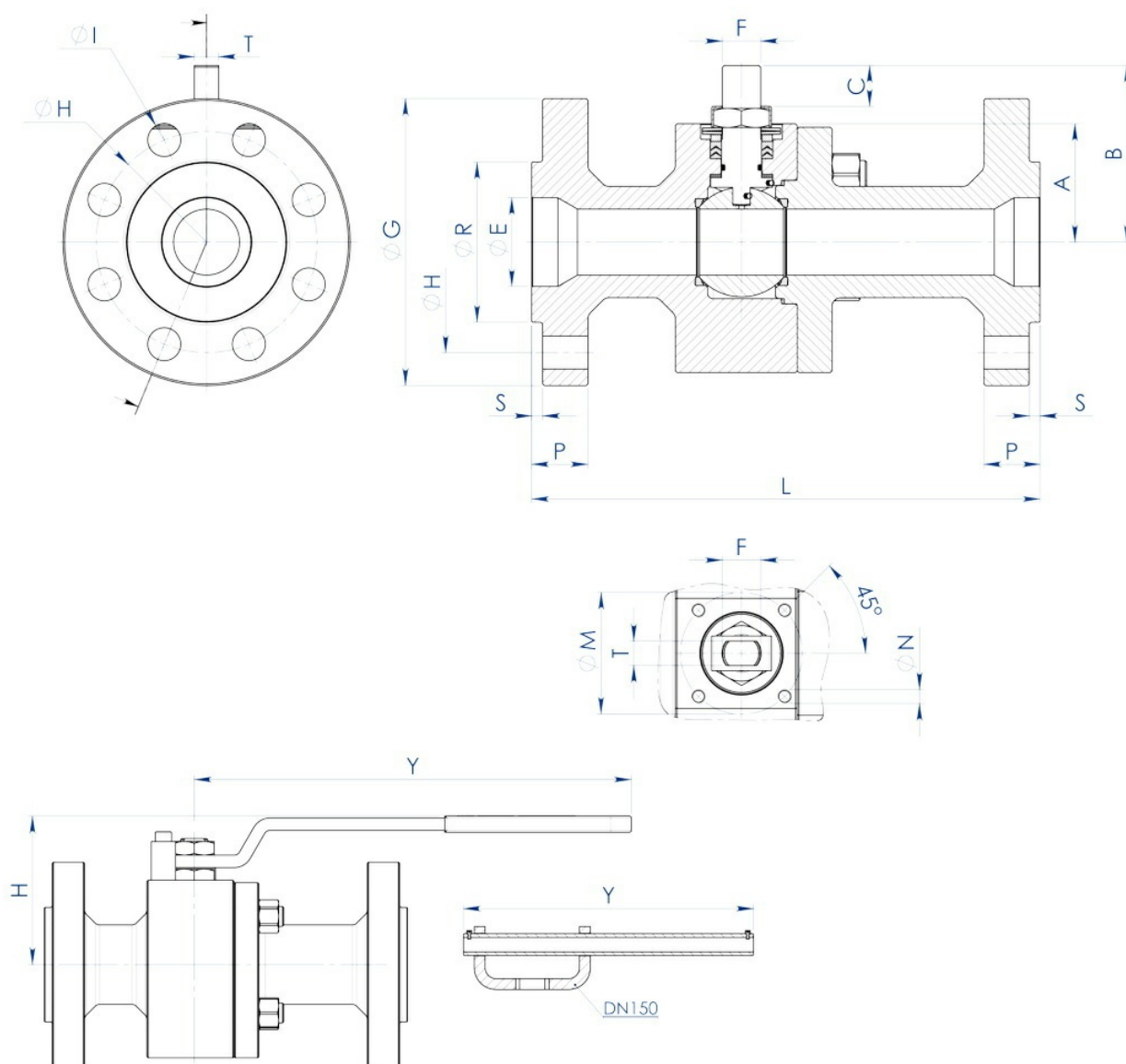
PED Certificate

Full compliance with European Safety Standards for Pressure Equipment

UP to SIL 3 certified

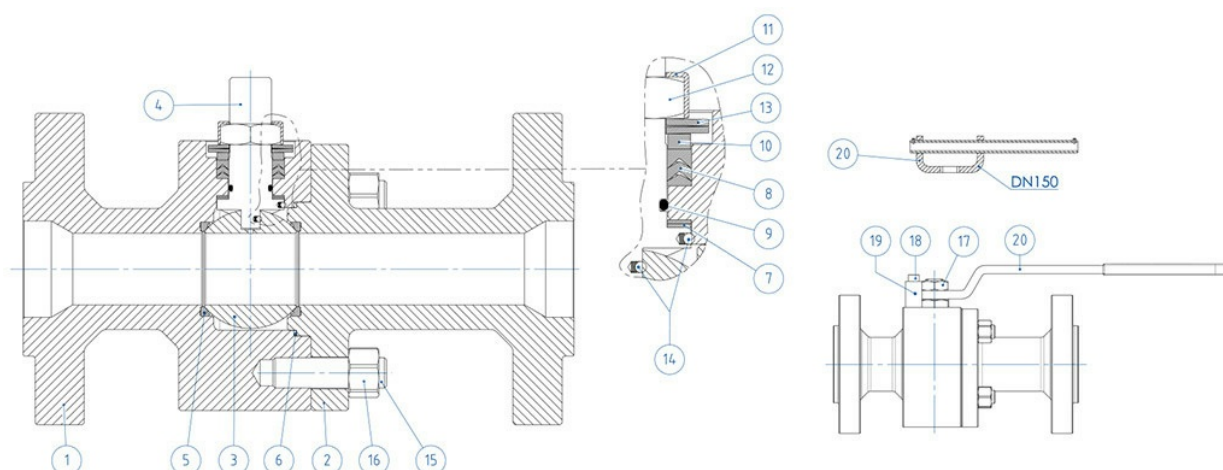
Guarantee of the high level of functional safety

dimensions



DIMENSIONS																				
SIZE		ANSI	A	B	C	øE	Att. ISO	øM	øN	F/T	øG	øR	S	øH	HOLES N°	øI	P	Kg	L	H
DN [mm]	[inch]																			
20x15	3/4"x1/2"	600	40	54,5	9,6	19	F04	42	M5	12/8	118	42,9	6,4	82,6	4	19	22,6	6,8	190	80
25x20	1"x3/4"	600	45	57,5	9,6	25	F04	42	M5	12/8	125	50,8	6,4	88,9	4	19	24,4	8	216	88
32x25	1 1/4"x1"	600	50	71,5	14,6	32	F05	50	M6	16/10	135	63,5	6,4	98,6	4	19	27,4	10,8	229	95
40x32	1 1/2"x1 1/4"	600	55	76,5	14,6	38	F05	50	M6	16/10	155	73	6,4	114,3	4	22	29,1	14,1	241	100
50x40	2"x1 1/2"	600	68	98,5	20,4	51	F07	70	M8	22/14	165	91,9	6,4	127	8	19	32,1	21,5	292	120
65x50	2 1/2"x2"	600	74	107,5	20,4	64	F07	70	M8	22/14	190	104,6	6,4	149,4	8	22	36,1	28,8	330	129
80x65	3"x2 1/2"	600	94	144	25,1	76	F10	102	M10	30/18	210	127	6,4	168,1	8	22	39,1	49	356	180
100x80	4"x3"	600	101,5	151,5	25,1	102	F10	102	M10	30/18	275	157,2	6,4	215,9	8	25,5	45,1	75,3	432	188
150x100	6"x4"	600	126	196,5	40,5	152	F14	140	M16	45/30	357	215,9	6,4	292,1	12	28,6	54,4	160	559	243

materials



MATERIALS			
SPLIT BODY ANSI 600 carbon steel			
Nº	Description	A105 Carbon steel	LF2 Carbon steel
1	Body	ASTM A105	ASTM A350 LF2
2	Connector		
3	Ball	ASTM A351 CF8 (*)/(**) (1.4308/Gx5CrNi19-10)	
4	Stem	A564 TP.630 (17-4PH)	
5*	Seat	DEVLON (.)	
6*	dy-connector gasket	GRAFOIL	
7*	Stem lower sealing	Modified PTFE (.) (2)	
8*	Chevron rings	Modified PTFE (.)	
9*	Stem o-ring	FKM (.)	
10	Packing gland ring	Carbon steel galvanized (x) (1)	
11	Stop nut plate	304 S.S.	
12	Stem nut	Carbon steel galvanized (x)	
13	Springs washer	Carbon steel galvanized (xx)	
14	tistatic device	316 S.S.	
15	Stud bolt	ASTM A193-B7	ASTM A320-L7M
16	Nut	ASTM A194-Gr.2H	ASTM A194-Gr.7M
17	Lock nut	Carbon steel galvanized (x)	
18	Holder screw	A2-70 (304 S.S.)	
19	Holder screw	Carbon steel galvanized (x)	
20	Lever	Fe37 Galvanized (x)	
* Components of seals kit			

Available on request:

(*): A351 CF8M

(**): For DN≤40x32 available only in CF8M

(x): 304 s.s.

(xx): 301 s.s.

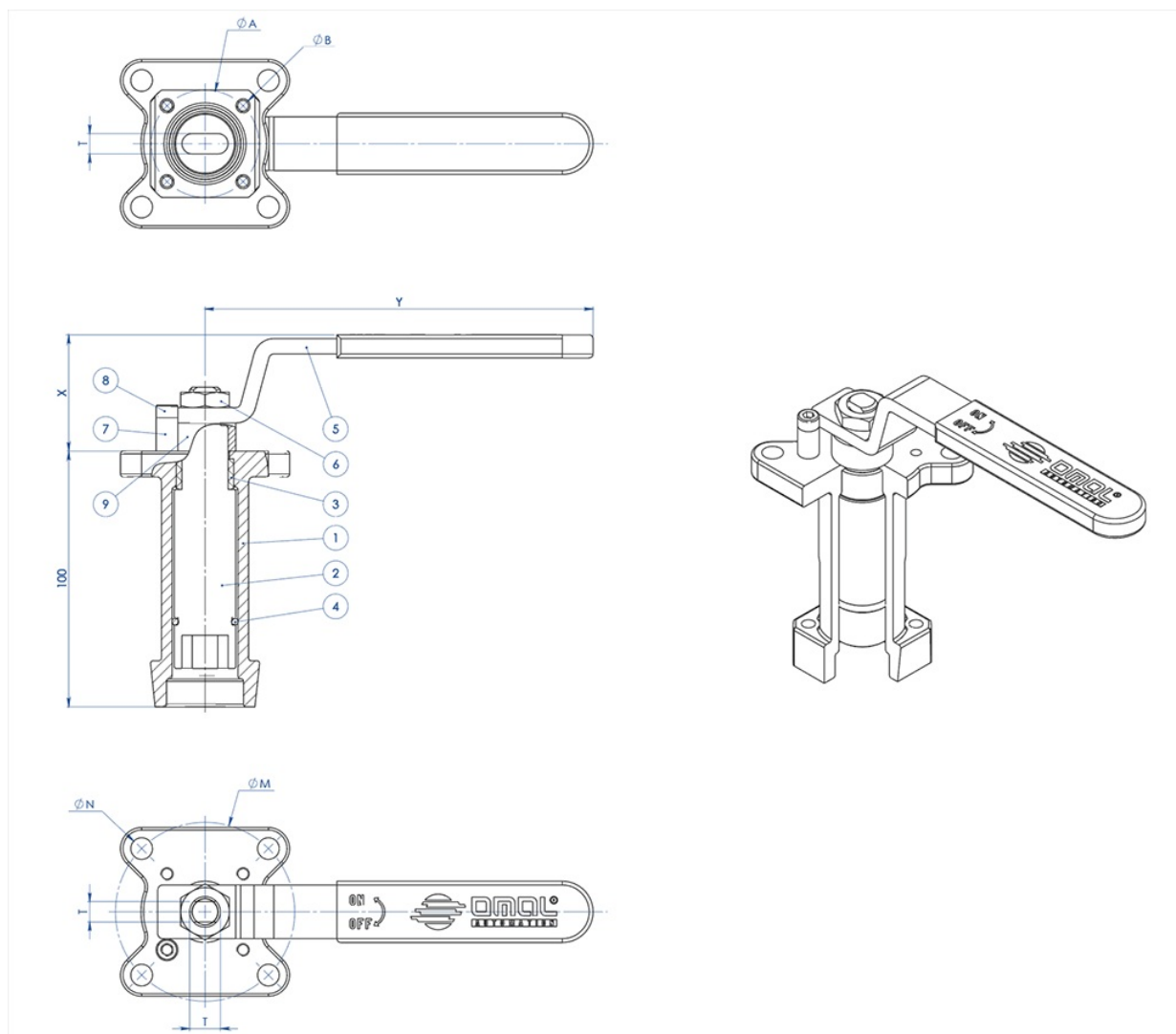
(2): for DN≤40x32 available only in DEVLON

(1): for DN150x100 available only in 304

(.): Other materials available on request

accessories

CASTING STEM EXTENSION WITH LEVER



MATERIALS

PART. N°	DESCRIPTION	MATERIAL
1	Extension	AISI304 S.S.
2	Pin	AISI 430 F
3	Bush	DELRIN
4	O-RING	NBR
5	Lever	Fe 37 galvanized (*)
6	Nut	galvanized carbon steel (*)
7	Holder Lever	galvanized carbon steel (*)
8	Holder screw	A2-70
9	Spacer	PTFE Carbon Filled

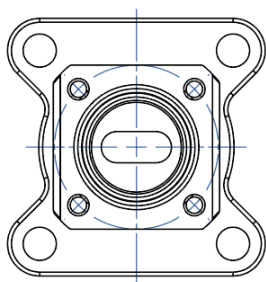
(*): On request available in Aisi 304 s.s.

DIMENSIONS

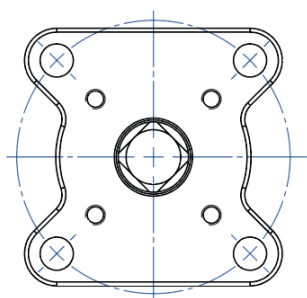
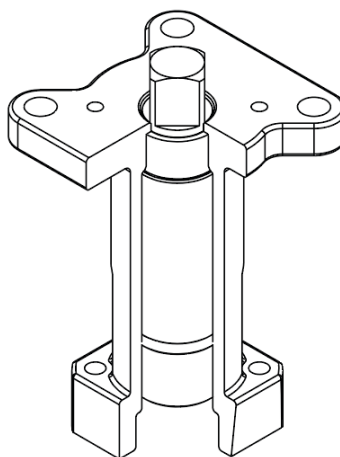
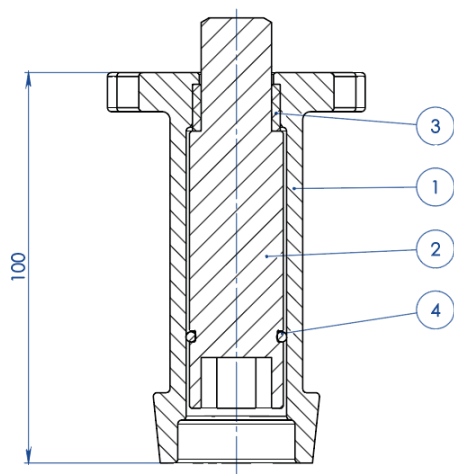
ISO VALVE	ØA	ØB	ØM	ØN	F/T	X	Y
F03	36	5,5	36	5,5	10/6	38,5	141,5
F04	42	5,5	42	M5	12/8	45,5	151,5
F05	50	6,5	50	6,5	16/10	48,5	276,5
F07	70	8,5	70	8,5	22/14	57,5	351,5
F10	102	11	102	11	30/18	79,5	451,5

NOTE: Code of the spindle extension depending from drive's type and valve's connection; to be requested at the order.

CASTING STEM EXTENSION FOR ACTUATORS



NOTA: Le dimensioni dipendono dalle dimensioni dell'attacco valvola
NOTE: Dimensions depending from valve's connection

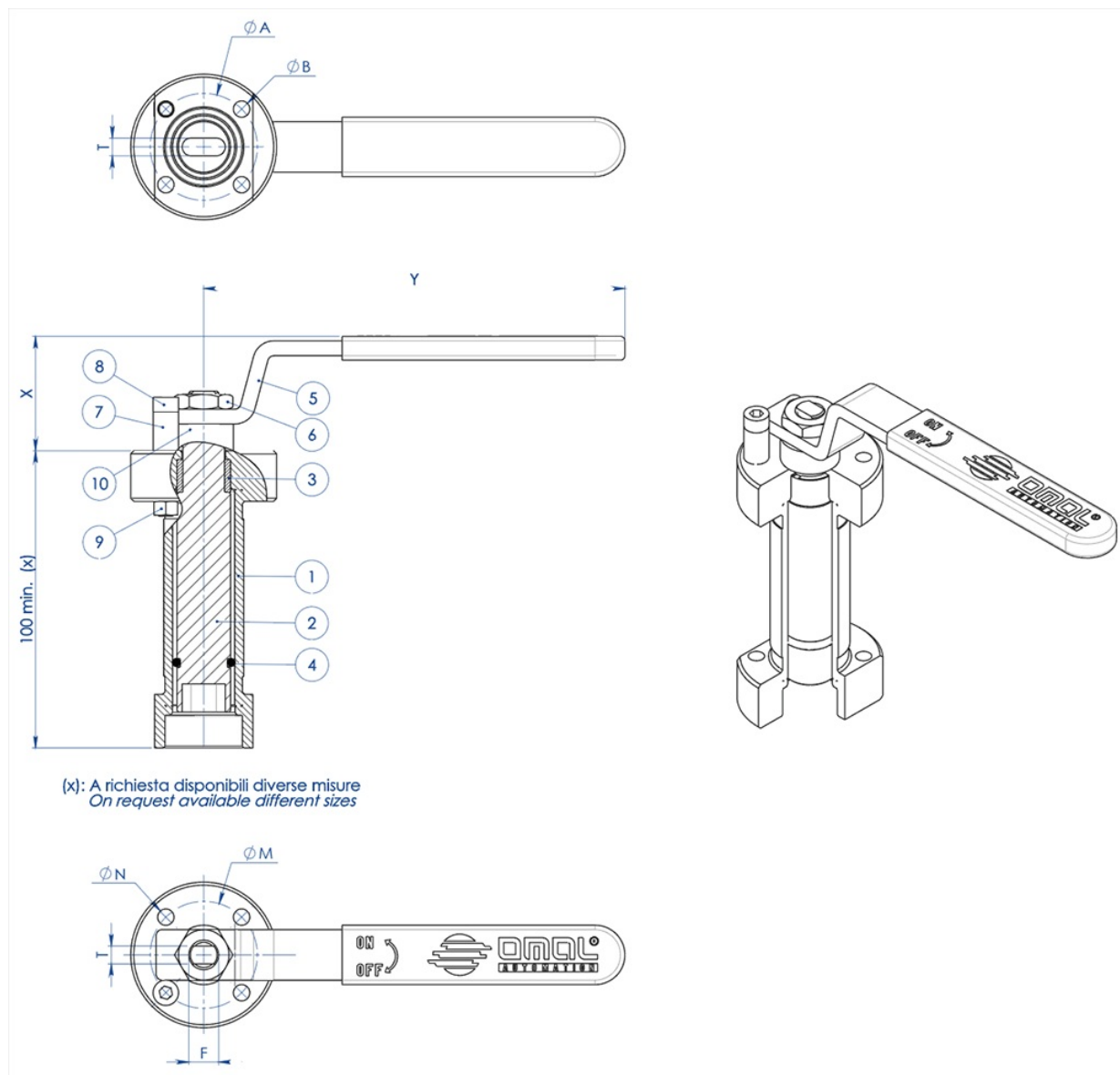


NOTA: Le dimensioni dipendono dalla taglia dell'attuatore
NOTE: Dimensions depending from actuator's size

MATERIALS		
PART. N°	DESCRIPTION	MATERIAL
1	Extension	ASTM A351 CF8M
2	Pin	AISI 430 F
3	Bush	DELTRIN
4	O-RING	NBR

NOTE: Code of the spindle extension depending from drive's type and valve's connection; to be requested at the order

WELDED STEM EXTENSION WITH LEVER



MATERIALS		
PART. N°	DESCRIPTION	MATERIAL
1	Extension	304 s.s.
2	Pin	AISI 430 F
3	Bush	DELTRIN
4	O-Ring	NBR
5	Lever	Fe 37 galvanized (*)
6	Nut	galvanized carbon steel (*)
7	Holder Lever	galvanized carbon steel (*)
8	Holder screw	A2-70
9	Holder nut	A2-70 (**)
10	Spacer	PTFE Carbon Filled

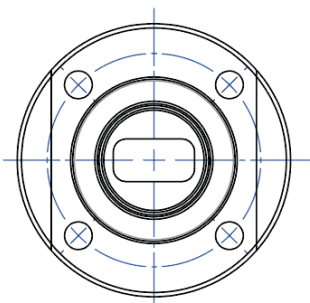
(*): On request available in Aisi 304 s.s.

(**): No available on valves with Iso connection F04

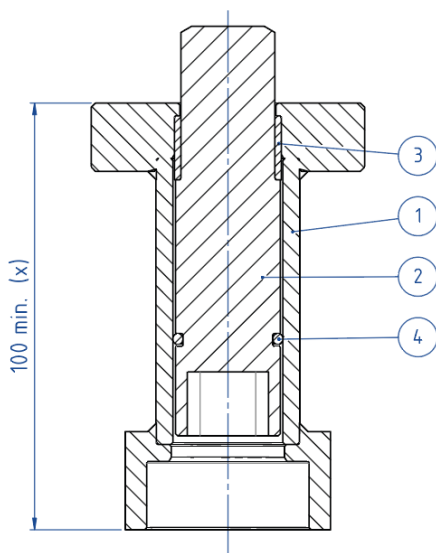
DIMENSIONS							
ISO VALVE	ØA	ØB	ØM	ØN	F/T	X	Y
F03	36	5,5	36	5,5	10/6	38,5	141,5
F04	42	5,5	42	M5	12/8	45,5	151,5
F05	50	6,5	50	6,5	16/10	48,5	276,5
F07	70	9	70	9	22/14	57,5	351,5
F10	102	11	102	11	30/18	79,5	451,5

NOTE: Code of the stem extension depending from drive's type and valve's connection; to be requested at the order.

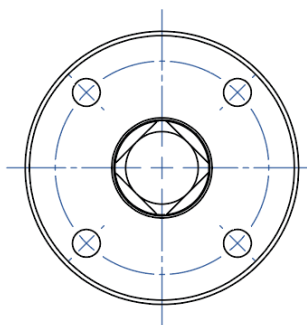
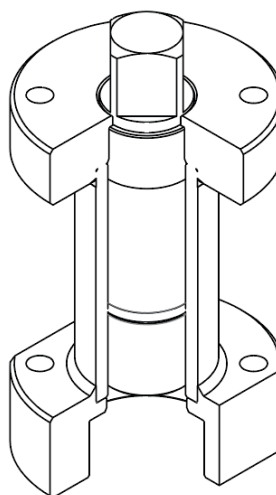
WELDED STEM EXTENSION FOR ACTUATORS



NOTA: Le dimensioni dipendono dalle dimensioni dell'attacco valvola
NOTE: Dimensions depending from valve's connection



(x): A richiesta disponibili diverse misure
 On request available different sizes

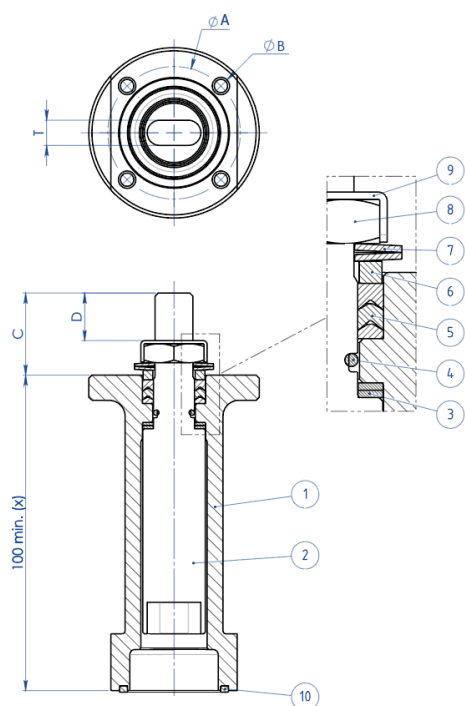


NOTA: Le dimensioni dipendono dalla taglia dell'attuatore
NOTE: Dimensions depending from actuator's size

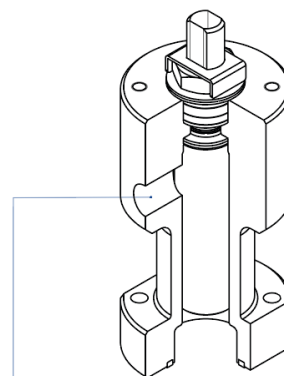
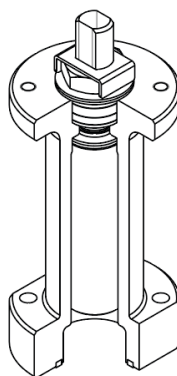
MATERIALS		
PART. N°	DESCRIPTION	MATERIAL
1	Extension	304 S.S.
2	Pin	AISI 430 F
3	Bush	DELFIN
4	O-RING	NBR

NOTE: Code of the stem extension depending from drive's type and valve's connection; to be requested at the order.

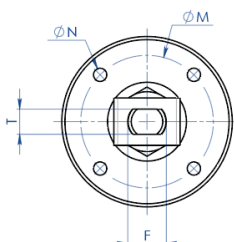
STEM EXTENSION WITH ADDITIONAL SEAL



(x): A richiesta disponibili diverse misure
 On request available different sizes



A richiesta disponibile anche la versione con presa per Sniffer
 Stem extension with sniffer also available on request



MATERIALS

PART. N°	DESCRIPTION	MATERIAL
1	Extension	304 s.s.
2	Pin	A564 TP.630 (17-4ph)
3	Bottom Sealing	TFM1600
4	O-Ring	FKM
5	Chevron Ring	TFM1600
6	Packing Gland Ring	304 s.s.
7	Spring Washer	50CrV4 Galvanized
8	Stem Nut	UNI 3740-1 6S Galvanized
9	Stop Nut Plate	304 s.s.
10	Gasket	GRAFOIL

DIMENSIONS							
ISO VALVE	ØA	ØB	ØM	ØN	F/T	C	D
F03	36	5,5	36	M5	10/6	20	10,2
F04	42	5,5	42	M5	12/8	26	15,1
F05	50	6,5	50	M6	16/10	35	21,2
F07	70	8,5	70	M8	22/14	47,5	28,4
F10	102	10,5	102	M10	30/18	61	35,2

NOTE: Code of the spindle extension depending from drive's type and valve's connection; to be requested at the order.

documents

Certificati

[TA LUFT - MAGNUM & THOR](#)

[ATEX - Ball Valves](#)

[SIL IEC 61508 - MAGNUM & THOR](#)

[FUGITIVE EMISSION DN25 CL.600 TI-M4](#)

[PED](#)

[FIRE SAFE - SPLIT BODY PN63-100-ANSI600 DN15-100 A105](#)

[API Licence number 6D-1007](#)

Istruzioni

[ISTRUZIONI ATEX 8_0486](#)

[ISTRUZIONI USO 8_0844-36](#)

Manuali

[MANUALE UMAH1000](#)