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Headquarters: Via Ponte Nuovo 11, Rodengo Saiano (Brescia) Italy
Production site: Via Brognolo 12, Passirano (Brescia) Italy
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MAGNUM Split Wafer PN 16-40 ANSI 150-300 casting stainless steel ball valve

Macro Ball valves

Category MAGNUM

Subcategory MAGNUM Split Wafer

Family MAGNUM Split Wafer PN 16-40 ANSI 150-300 casting stainless steel

benefits

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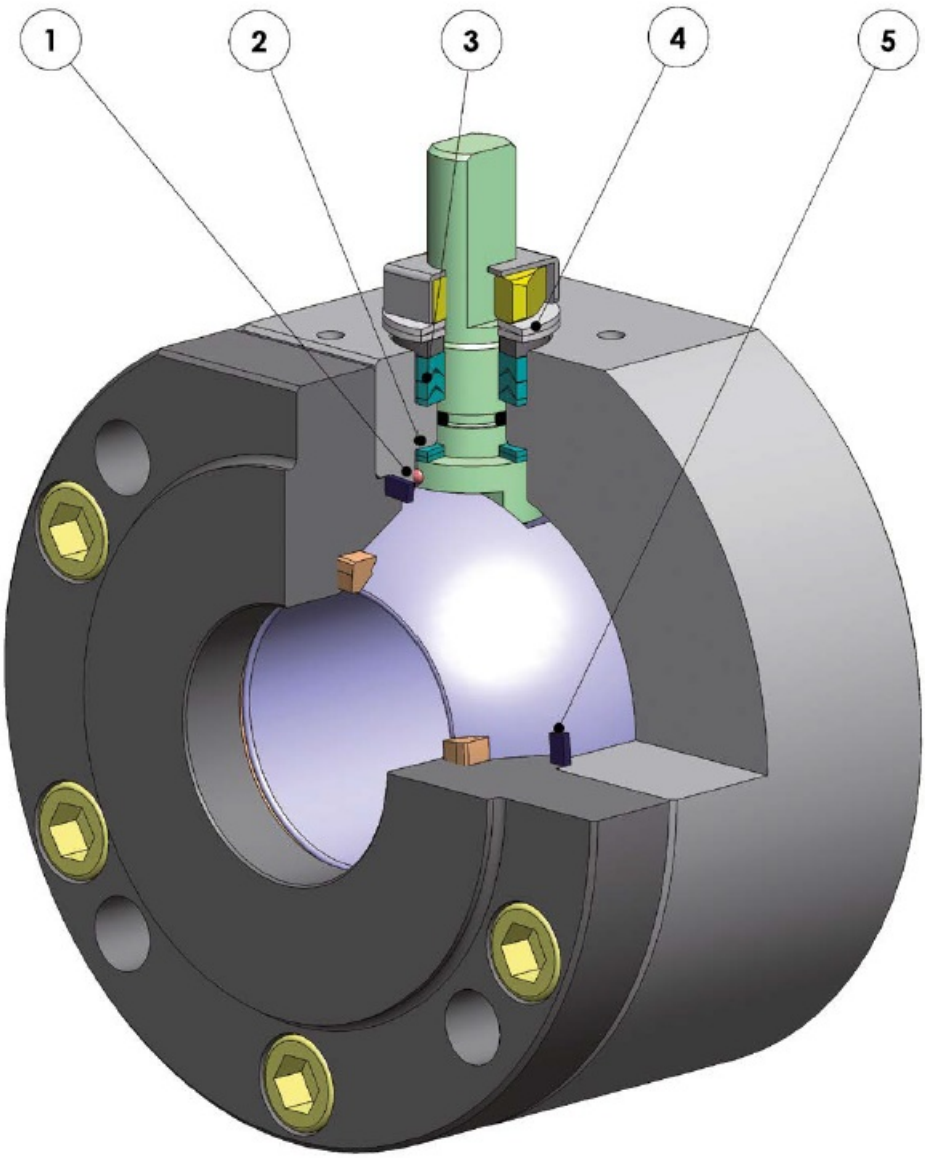

1. Antistatic device ((electrical continuity between ball, stem and body)
Static electricity is avoided which can cause sparks and fire in an inflammable/explosive environment
Contact safety throughout the entire life of the valve

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

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

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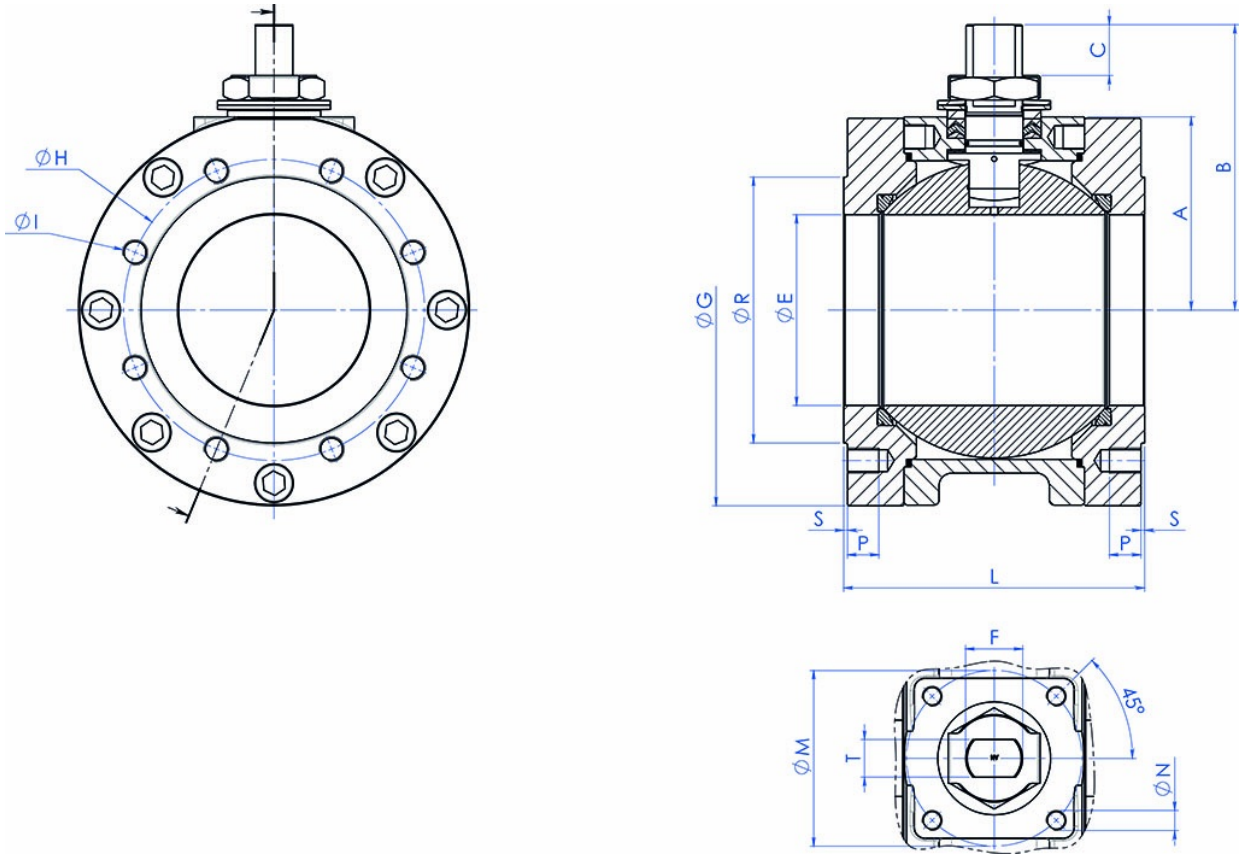
dimensions

FREE SHAFT DIMENSIONS



FREE SHAFT DIMENSIONS -PN-																			
SIZE		PN	ØE	A	B	C	ØG	ØR	S	ØH	HOLES N°	ØI	P	F/T	ATT.ISO	ØM	ØN	L	Kg	Seals kit
DN [mm]	[inch]																			
DN 150	6"	PN16	152	154	227,5	40,5	332	212	3	240	8	M20	25	45/30	F14	140	M16	240	84,4	KGBV485140
DN 150	6"	PN25-40	152	154	227,5	40,5	332	218	3	250	8	M24	24	45/30	F14	140	M16	240	86,6	KGBV48514D
DN 200	8"	PN16	188	188	274	44,8	396	268	3	295	12	M20	30	52/35	F14	140	M16	314	151,0	KGBV485150
DN 200	8"	PN25	203	188	274	44,8	396	278	3	310	12	M24	30	52/35	F14	140	M16	314	155,7	KGBV485150

FREE SHAFT DIMENSIONS -ANSI-																				
SIZE		ANSI	ØE	A	B	C	ØG	ØR	S	ØH	HOLES N°	ØI	P	F/T	ATT.ISO	ØM	ØN	L	Kg	Seals kit
DN [mm]	[inch]																			
DN 150	6"	ANSI150	152	154	227,5	40,5	332	215,9	1,6	241,3	8	3/4"UNC	25	45/30	F14	140	M16	240	85,4	KGBV485140
DN 150	6"	ANSI300	152	154	227,5	40,5	332	215,9	1,6	269,7	12	3/4"UNC	25	45/30	F14	140	M16	240	87,2	KGBV48514D
DN 200	8"	ANSI150	203	188	274	44,8	396	269,7	1,6	298,4	8	3/4"UNC	30	52/35	F14	140	M16	314	152,9	KGBV485150

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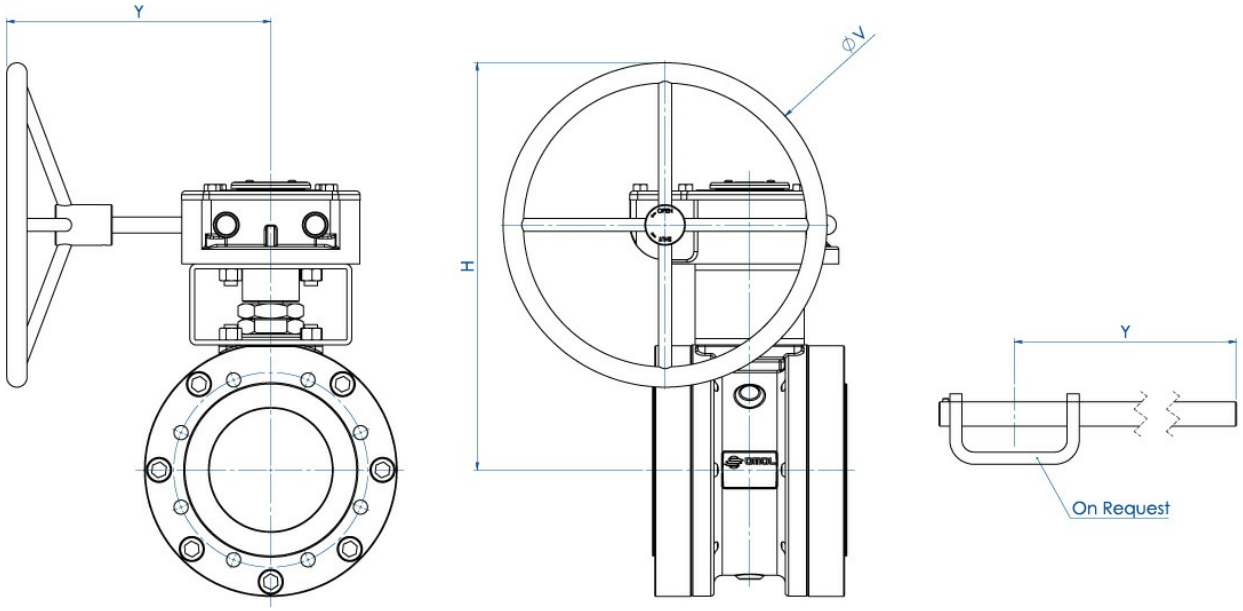
GEARBOX DIMENSIONS



GEARBOX DIMENSIONS -PN-							
SIZE		PN	H	Y	ØV	Kg	Lever kit
DN [mm]	[inch]						
DN 150	6"	PN16	522	326	400	126	---
DN 150	6"	PN25-40	522	347	600	147	---
DN 200	8"	PN16	516	347	500	200	---
DN 200	8"	PN25	516	347	500	200	---

GEARBOX DIMENSIONS -ANSI-							
SIZE		ANSI	H	Y	ØV	Kg	Lever kit
DN [mm]	[inch]						
DN 150	6"	ANSI150	522	326	400	126	---
DN 150	6"	ANSI300	522	347	600	147	---
DN 200	8"	ANSI150	516	347	500	200	---

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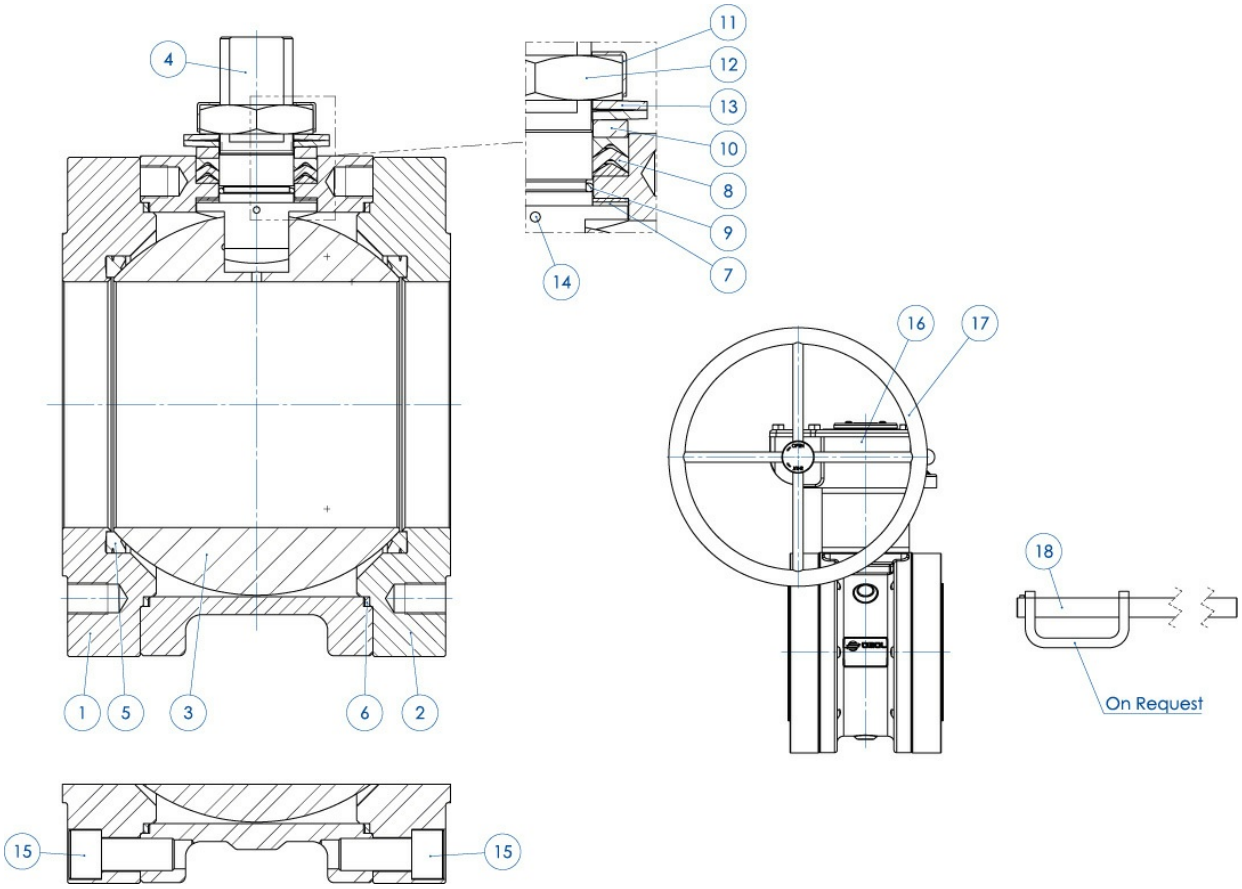
materials



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MATERIALS PN16-40 ANSI 150-300 CASTING		
N°	**DESCRIPTION**	**CF8M STAINLESS STEEL**
1	Body	ASTM A351 CF8M (1.4408/Gx5CrNiMo19-12-2)
2	Ring Nut	ASTM A182 F316 / A479TP.316 (1.4401 / X5CrNiMo17-12-2)
3	Ball	ASTM A351 CF8M (1.4408/GX5CrNiMo19-12-2)
4	Stem	A564 TP.630 (17-4PH)
5*	Seat	Modified PTFE (.) (2)
6*	Body-ring nut gasket	GRAFOIL
7*	Stem lower sealing	Modified PTFE (.)
8*	Chevron rings	Modified PTFE (.)
9*	Stem o-ring	FKM (.)
10	Packing gland ring	304 S.S.
11	Stop nut plate	304 S.S.
12	Stem nut	Carbon steel galvanized (x)
13	Springs washer	Carbon steel galvanized (xx)
14	Antistatic device	316 S.S.
15	Body-ring nut screw	A2.70 (304 S.S)
16	Gear box	Cast iron (painted)
17	Handwheel	Carbon steel painted
18	Lever	Fe37 Galvanized (x)
* Components of seals kit		

Available on request:
(x): 304 s.s.
(xx): 301 s.s.
(2) DEVLON for DN150 PN25-40 - ANSI300

(.): Other materials available on request

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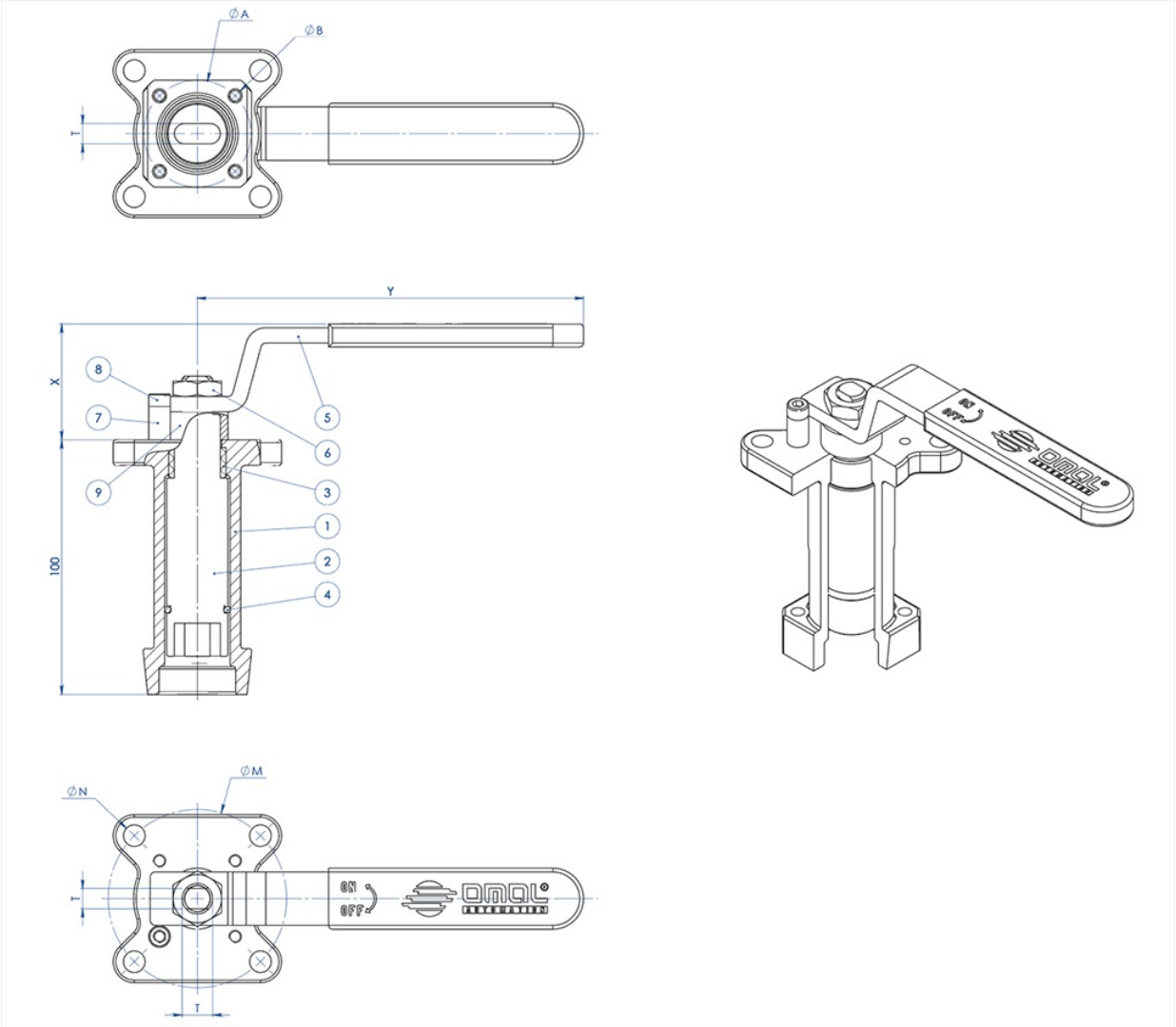
CASTING STEM EXTENSION WITH LEVER



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.

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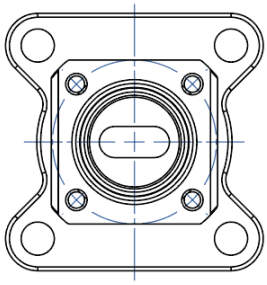
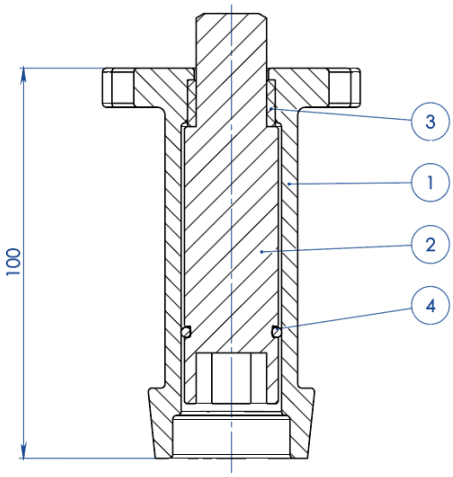
DIMENSIONS							
ISO VALVE	**ØA**	**ØB**	**ØM**	**ØN**	**F/T**	**X**	**Y**
F03	36	5,5	36	5,5	10/6	38,5	141,5
F04	42	5,5	42	M5	12/8	45,5	151,5
F05	50	6,5	50	6,5	16/10	48,5	276,5
F07	70	8,5	70	8,5	22/14	57,5	351,5
F10	102	11	102	11	30/18	79,5	451,5

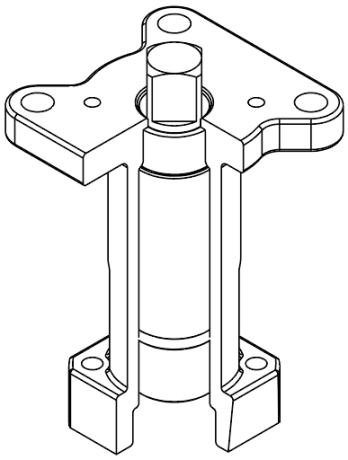
NOTE: Code of the spindle extension depending from drive's type and valve's connection; to be requested at the order.

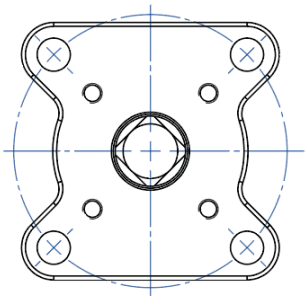
CASTING STEM EXTENSION FOR ACTUATORS



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

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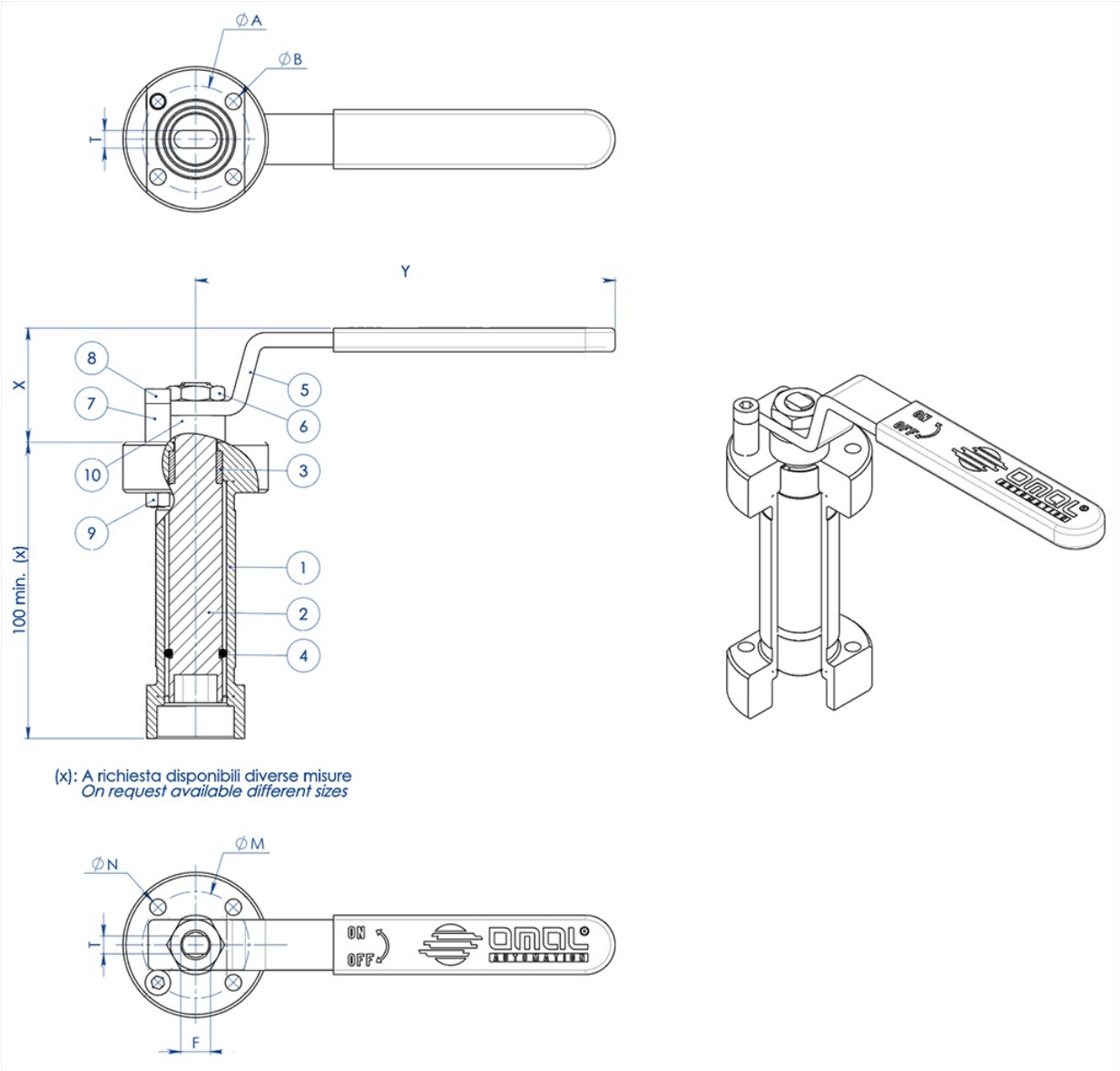
MATERIALS		
PART. N°	**DESCRIPTION**	**MATERIAL**
1	Extension	ASTM A351 CF8M
2	Pin	AISI 430 F
3	Bush	DELRIN
4	O-RING	NBR

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	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	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

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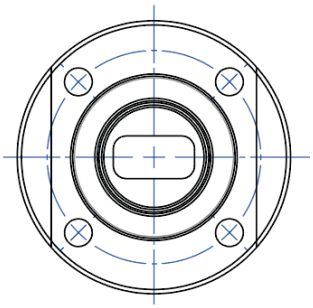
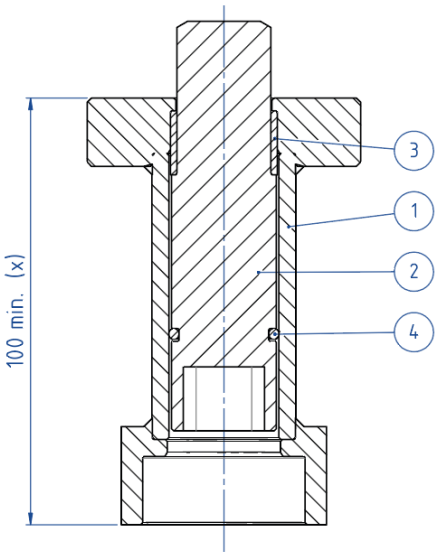
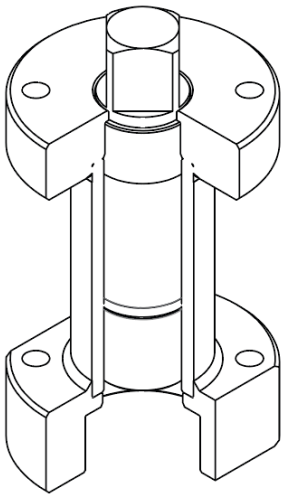
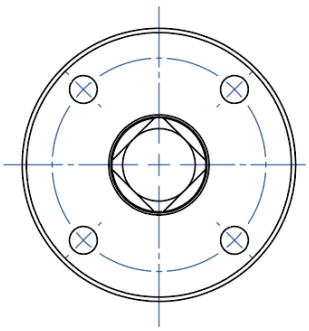


NOTA: Le dimensioni dipendono dalle dimensioni dell'attacco valvola
NOTE: Dimensions depending from valve's connection





(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	DELRIN
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.

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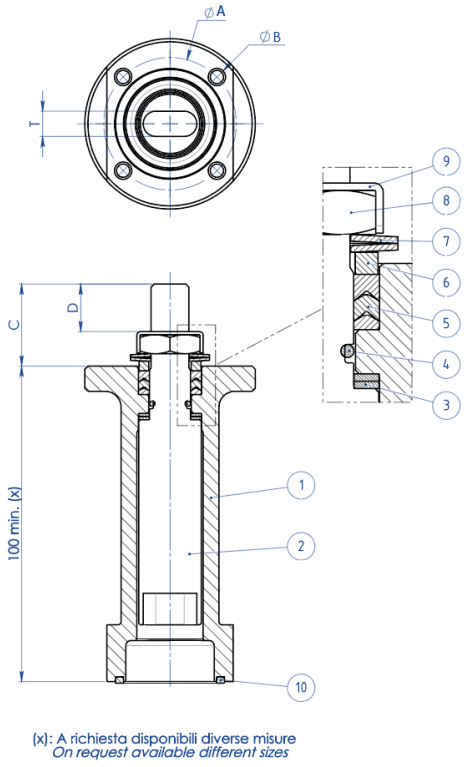
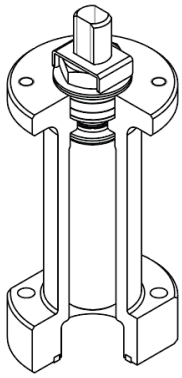
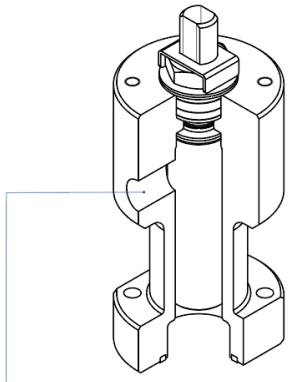
STEM EXTENSION WITH ADDITIONAL SEAL

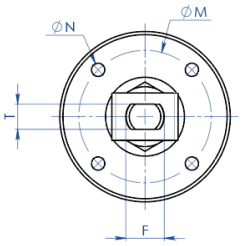


(x): A richiesta disponibili diverse misure
On request available different sizes





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
PED
UKCA

Istruzioni

ISTRUZIONI ATEX 8_0486
ISTRUZIONI USO 8_0844-31

Manuali

MANUALE UMAH1000