



THOR SPLIT BODY 3 WAY 4 SEALS - PN 16-40 ANSI 150
ACCIAIO INOX STAINLESS STEEL
ASSE LIBERO E CON LEVA FREE SHAFT AND WITH LEVER

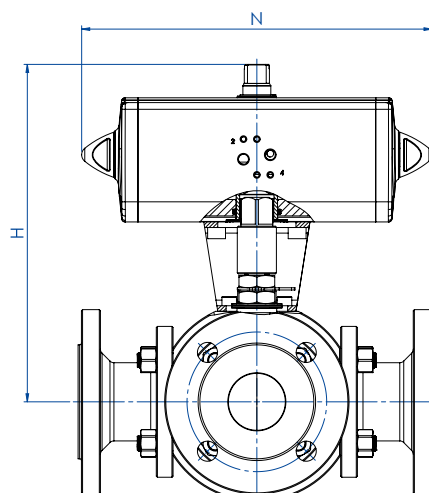


**CODICI VALVOLE IN ACCIAIO INOX ASSE LIBERO (V_) E CON LEVA (L_) -PN-
 STAINLESS STEEL BARE SHAFT (V_) AND LEVER (L_) OPERATED VALVE CODE -PN-**

MISURA SIZE		PN	316 Stainless steel - "L" BALL	316 Stainless steel - "T" BALL
DN [mm]	[inch]			
DN 15	1/2"	PN 16-40	V/LT204F03ABA0ADQNV000	V/LT304F03ABA0ADQNV000
DN 20	3/4"	PN 16-40	V/LT205F03ABA0ADQNV000	V/LT305F03ABA0ADQNV000
DN 25	1"	PN 16-40	V/LT206F03ABA0ADQNV000	V/LT306F03ABA0ADQNV000
DN 32	1" 1/4	PN 16-40	V/LT207F03ABA0ADQNV000	V/LT307F03ABA0ADQNV000
DN 40	1" 1/2	PN 16-40	V/LT208F03ABA0AEQNV000	V/LT308F03ABA0AEQNV000
DN 50	2"	PN 16-40	V/LT209F03ABA0AEQNV000	V/LT309F03ABA0AEQNV000
DN 65	2" 1/2	PN 16	V/LT210E03ABA0AEQNV000	V/LT310E03ABA0AEQNV000
DN 80	3"	PN 16	V/LT211E03ABA0AEQNV000	V/LT311E03ABA0AEQNV000
DN 100	4"	PN 16	V/LT212E03ABA0AEQNV000	V/LT312E03ABA0AEQNV000

**CODICI VALVOLE IN ACCIAIO INOX ASSE LIBERO (V_) E CON LEVA (L_) -ANSI-
 STAINLESS STEEL BARE SHAFT (V_) AND LEVER (L_) OPERATED VALVE CODE -ANSI-**

MISURA SIZE		ANSI	316 Stainless steel - "L" BALL	316 Stainless steel - "T" BALL
DN [mm]	[inch]			
DN 15	1/2"	ANSI 150	V/LT204104ABA0ADQNV000	V/LT304104ABA0ADQNV000
DN 20	3/4"	ANSI 150	V/LT205104ABA0ADQNV000	V/LT305104ABA0ADQNV000
DN 25	1"	ANSI 150	V/LT206104ABA0ADQNV000	V/LT306104ABA0ADQNV000
DN 32	1" 1/4	ANSI 150	V/LT207104ABA0ADQNV000	V/LT307104ABA0ADQNV000
DN 40	1" 1/2	ANSI 150	V/LT208104ABA0AEQNV000	V/LT308104ABA0AEQNV000
DN 50	2"	ANSI 150	V/LT209104ABA0AEQNV000	V/LT309104ABA0AEQNV000
DN 65	2" 1/2	ANSI 150	V/LT210104ABA0AEQNV000	V/LT310104ABA0AEQNV000
DN 80	3"	ANSI 150	V/LT211104ABA0AEQNV000	V/LT311104ABA0AEQNV000
DN 100	4"	ANSI 150	V/LT212104ABA0AEQNV000	V/LT312104ABA0AEQNV000

**THOR SPLIT BODY 3 WAY 4 SEALS - PN 16-40 ANSI 150****ACCIAIO INOX STAINLESS STEEL****CON ATTUATORE PNEUMATICO DA WITH DA PNEUMATIC ACTUATOR****CODICI ARTICOLI IN 316 ACCIAIO INOX -PN- ITEM CODES IN 316 STAINLESS STEEL -PN-**

MISURA DN [mm]	SIZE [inch]	PN	CODICE ARTICOLO -SFERA A "L"- ITEM CODE -"L" BALL-	CODICE ARTICOLO -SFERA A "T"- ITEM CODE -"T" BALL-	ATTUATORE ACTUATOR	KIT di montaggio Mounting KIT	N [mm]	H [mm]	Kg
DN 15	1/2"	16-40	DT204F03ABA0ADQNV000AFEA0	DT304F03ABA0ADQNV000AFEA0	DAN0060412S	KCNACHD5263	198,0	185,4	8,0
DN 20	3/4"	16-40	DT205F03ABA0ADQNV000AFGA0	DT305F03ABA0ADQNV000AFGA0	DAN0106411S	KCNBCHD5398	237,0	208,3	13,4
DN 25	1"	16-40	DT206F03ABA0ADQNV000AFGA0	DT306F03ABA0ADQNV000AFGA0	DAN0106411S	KCNCCHD5317	237,0	218,8	19,7
DN 32	1" 1/4	16-40	DT207F03ABA0ADQNV000AFHA0	DT307F03ABA0ADQNV000AFHA0	DAN0120411S	KCNCCHD5317	244,1	227,0	22,5
DN 40	1" 1/2	16-40	DT208F03ABA0AEQNV000AFIA0	DT308F03ABA0AEQNV000AFIA0	DAN0180411S	KCNDDHD5319	289,9	269,5	33,3
DN 50	2"	16-40	DT209F03ABA0AEQNV000AFKA0	DT309F03ABA0AEQNV000AFKA0	DAN0360411S	KCNDDHD5319	339,3	289,0	46,8
DN 65	2" 1/2	16	DT210E03ABA0AEQNV000AFKA0	DT310E03ABA0AEQNV000AFKA0	DAN0360411S	KCNEEHD5379	339,3	321,0	65,6
DN 80	3"	16	DT211E03ABA0AEQNV000AFLA0	DT311E03ABA0AEQNV000AFLA0	DAN0480411S	KCNEFHD5322	387,6	245,9	83,4
DN 100	4"	16	DT212E03ABA0AEQNV000AFNA0	DT312E03ABA0AEQNV000AFNA0	DAN0960411S	KCNEFHD5380	479,3	402,0	120,8

CODICI ARTICOLI IN 316 ACCIAIO INOX -ANSI- ITEM CODES IN 316 STAINLESS STEEL -ANSI-

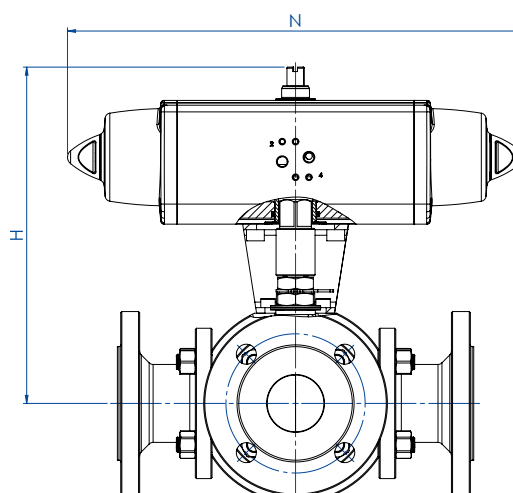
MISURA DN [mm]	SIZE [inch]	ANSI	CODICE ARTICOLO -SFERA A "L"- ITEM CODE -"L" BALL-	CODICE ARTICOLO -SFERA A "T"- ITEM CODE -"T" BALL-	ATTUATORE ACTUATOR	KIT di montaggio Mounting KIT	N [mm]	H [mm]	Kg
DN 15	1/2"	150	DT204104ABA0ADQNV000AFEA0	DT304104ABA0ADQNV000AFEA0	DAN0060412S	KCNACHD5263	198,0	185,4	7,1
DN 20	3/4"	150	DT205104ABA0ADQNV000AFGA0	DT305104ABA0ADQNV000AFGA0	DAN0106411S	KCNBCHD5398	237,0	208,3	12,3
DN 25	1"	150	DT206104ABA0ADQNV000AFGA0	DT306104ABA0ADQNV000AFGA0	DAN0106411S	KCNCCHD5317	237,0	218,8	18,9
DN 32	1" 1/4	150	DT207104ABA0ADQNV000AFHA0	DT307104ABA0ADQNV000AFHA0	DAN0120411S	KCNCCHD5317	244,1	227,0	20,1
DN 40	1" 1/2	150	DT208104ABA0AEQNV000AFIA0	DT308104ABA0AEQNV000AFIA0	DAN0180411S	KCNDDHD5319	289,9	269,5	31,5
DN 50	2"	150	DT209104ABA0AEQNV000AFKA0	DT309104ABA0AEQNV000AFKA0	DAN0360411S	KCNDDHD5319	339,3	289,0	45,3
DN 65	2" 1/2	150	DT210104ABA0AEQNV000AFKA0	DT310104ABA0AEQNV000AFKA0	DAN0360411S	KCNEEHD5379	339,3	321,0	67,4
DN 80	3"	150	DT211104ABA0AEQNV000AFLA0	DT311104ABA0AEQNV000AFLA0	DAN0480411S	KCNEFHD5322	387,6	245,9	82,8
DN 100	4"	150	DT212104ABA0AEQNV000AFNA0	DT312104ABA0AEQNV000AFNA0	DAN0960411S	KCNEFHD5380	479,3	402,0	125,7



THOR SPLIT BODY 3 WAY 4 SEALS - PN 16-40 ANSI 150

ACCIAIO INOX STAINLESS STEEL

CON ATTUATORE PNEUMATICO SR WITH SR PNEUMATIC ACTUATOR



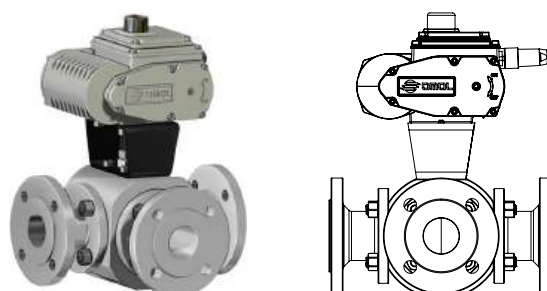
CODICI ARTICOLI IN 316 ACCIAIO INOX -PN- ITEM CODES IN 316 STAINLESS STEEL -PN-

MISURA DN [mm]	SIZE [inch]	PN	CODICE ARTICOLO -SFERA A "L"- ITEM CODE -"L" BALL-	CODICE ARTICOLO -SFERA A "T"- ITEM CODE -"T" BALL-	ATTUATORE ACTUATOR	KIT di montaggio Mounting KIT	N [mm]	H [mm]	Kg
DN 15	1/2"	16-40	ST204F03ABA0ADQNV000AFHA0	ST304F03ABA0ADQNV000AFHA0	SRN0060401S	KCNACHD5399	338,5	202,0	9,7
DN 20	3/4"	16-40	ST205F03ABA0ADQNV000AFIA0	ST305F03ABA0ADQNV000AFIA0	SRN0090401S	KCNBDHD5400	393,7	242,5	17,1
DN 25	1"	16-40	ST206F03ABA0ADQNV000AFIA0	ST306F03ABA0ADQNV000AFIA0	SRN0090401S	KCNCDHD5329	393,7	253,0	23,4
DN 32	1" 1/4	16-40	ST207F03ABA0ADQNV000AFJA0	ST307F03ABA0ADQNV000AFJA0	SRN0120401S	KCNCDHD5329	409,6	261,1	27,0
DN 40	1" 1/2	16-40	ST208F03ABA0AEQNV000AFKA0	ST308F03ABA0AEQNV000AFKA0	SRN0180401S	KCNDDHD5383	474,0	280,0	37,7
DN 50	2"	16-40	ST209F03ABA0AEQNV000AFMA0	ST309F03ABA0AEQNV000AFMA0	SRN0360401S	KCNDEHD5330	613,0	339,0	57,5
DN 65	2" 1/2	16	ST210E03ABA0AEQNV000AFMA0	ST310E03ABA0AEQNV000AFMA0	SRN0360401S	KCNEFHD5322	613,0	351,0	76,4
DN 80	3"	16	ST211E03ABA0AEQNV000AFNA0	ST311E03ABA0AEQNV000AFNA0	SRN0480401S	KCNEFHD5392	648,2	279,0	97,0
DN 100	4"	16	ST212E03ABA0AEQNV000AFRA0	ST312E03ABA0AEQNV000AFRA0	SRN0960401S	KCNEGHD5384	828,0	441,7	146,4

CODICI ARTICOLI IN 316 ACCIAIO INOX -ANSI- ITEM CODES IN 316 STAINLESS STEEL -ANSI-

MISURA DN [mm]	SIZE [inch]	ANSI	CODICE ARTICOLO -SFERA A "L"- ITEM CODE -"L" BALL-	CODICE ARTICOLO -SFERA A "T"- ITEM CODE -"T" BALL-	ATTUATORE ACTUATOR	KIT di montaggio Mounting KIT	N [mm]	H [mm]	Kg
DN 15	1/2"	150	ST204104ABA0ADQNV000AFHA0	ST304104ABA0ADQNV000AFHA0	SRN0060401S	KCNACHD5399	338,5	202,0	8,8
DN 20	3/4"	150	ST205104ABA0ADQNV000AFIA0	ST305104ABA0ADQNV000AFIA0	SRN0090401S	KCNBDHD5400	393,7	242,5	16,0
DN 25	1"	150	ST206104ABA0ADQNV000AFIA0	ST306104ABA0ADQNV000AFIA0	SRN0090401S	KCNCDHD5329	393,7	253,0	22,6
DN 32	1" 1/4	150	ST207104ABA0ADQNV000AFJA0	ST307104ABA0ADQNV000AFJA0	SRN0120401S	KCNCDHD5329	409,6	261,1	24,6
DN 40	1" 1/2	150	ST208104ABA0AEQNV000AFKA0	ST308104ABA0AEQNV000AFKA0	SRN0180401S	KCNDDHD5383	474,0	280,0	35,9
DN 50	2"	150	ST209104ABA0AEQNV000AFMA0	ST309104ABA0AEQNV000AFMA0	SRN0360401S	KCNDEHD5330	613,0	339,0	56,0
DN 65	2" 1/2	150	ST210104ABA0AEQNV000AFMA0	ST310104ABA0AEQNV000AFMA0	SRN0360401S	KCNEFHD5322	613,0	351,0	78,2
DN 80	3"	150	ST211104ABA0AEQNV000AFNA0	ST311104ABA0AEQNV000AFNA0	SRN0480401S	KCNEFHD5392	648,2	279,0	96,4
DN 100	4"	150	ST212104ABA0AEQNV000AFRA0	ST312104ABA0AEQNV000AFRA0	SRN0960401S	KCNEGHD5384	828,0	441,7	151,3

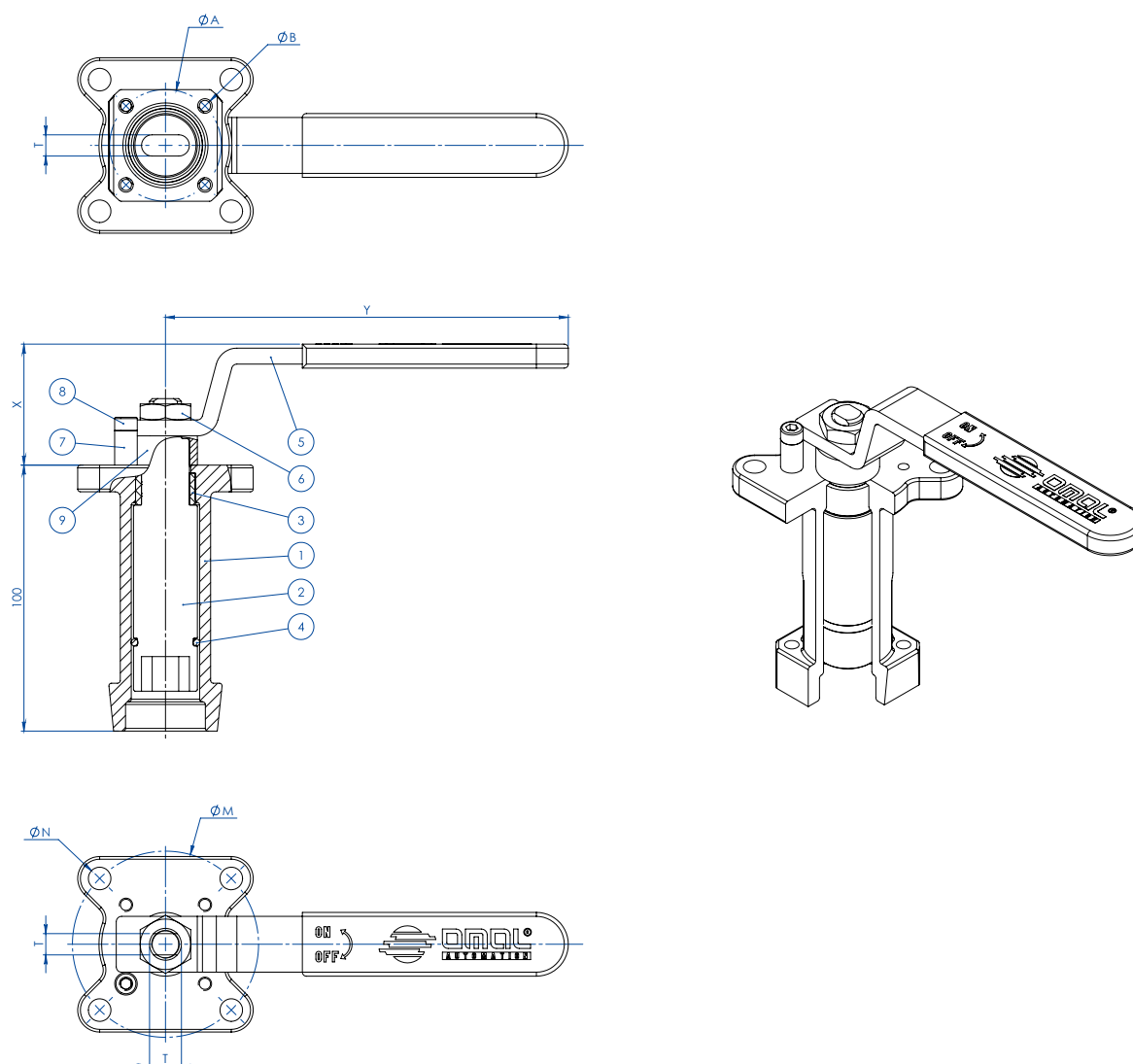
A richiesta, articoli disponibili anche con attuatore elettrico:
On request, items available also with electric actuator:





MAGNUM & THOR ACCESSORI ACCESSORIES

PROLUNGA GUIDATA DA FUSIONE A LEVA CASTING STEM EXTENSION WITH LEVER



MATERIALI MATERIALS		
PART. N°	DESCRIZIONE - DESCRIPTION	MATERIALE - MATERIAL
1	Prolunga Extension	ASTM A351 CF8M
2	Perno Pin	AISI 430 F
3	Bussola Bush	DELTRIN
4	O-RING O-RING	NBR
5	Leva Lever	Fe 37 galvanized (*)
6	Dado Nut	Galvanized carbon steel (*)
7	Fermo leva Holder Lever	Galvanized carbon steel (*)
8	Vite fermo leva Holder screw	A2-70
9	Distanziale Spacer	PTFE Carbon Filled

(*): a richiesta disponibili in 304 S.S. On request available in Aisi 304 s.s.

DIMENSIONI DIMENSIONS							
ISO VALVOLA VALVE	ØA	ØB	ØM	ØN	F/T	X	Y
F03	36	5,5	36	M5	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

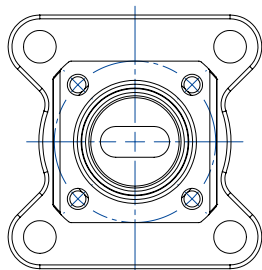
NOTA: Il codice della prolunga dipende dal tipo di azionamento e dall'attacco valvola; richiedere in fase d'ordine.

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

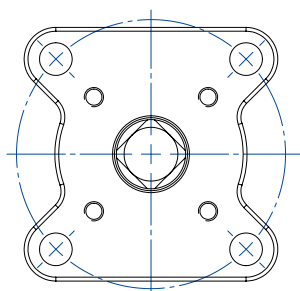
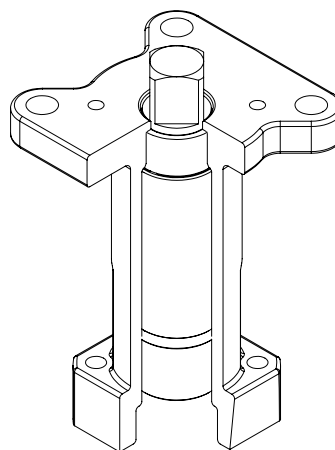
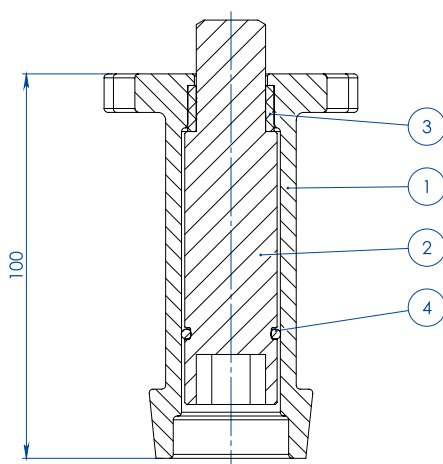


MAGNUM & THOR ACCESSORI ACCESSORIES

PROLUNGA GUIDATA DA FUSIONE PER ATTUATORE 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

MATERIALI MATERIALS		
PART. N°	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL
1	Prolunga Extension	ASTM A351 CF8M
2	Perno Pin	AISI 430 F
3	Bussola Bush	DELFIN
4	O-RING O-RING	NBR

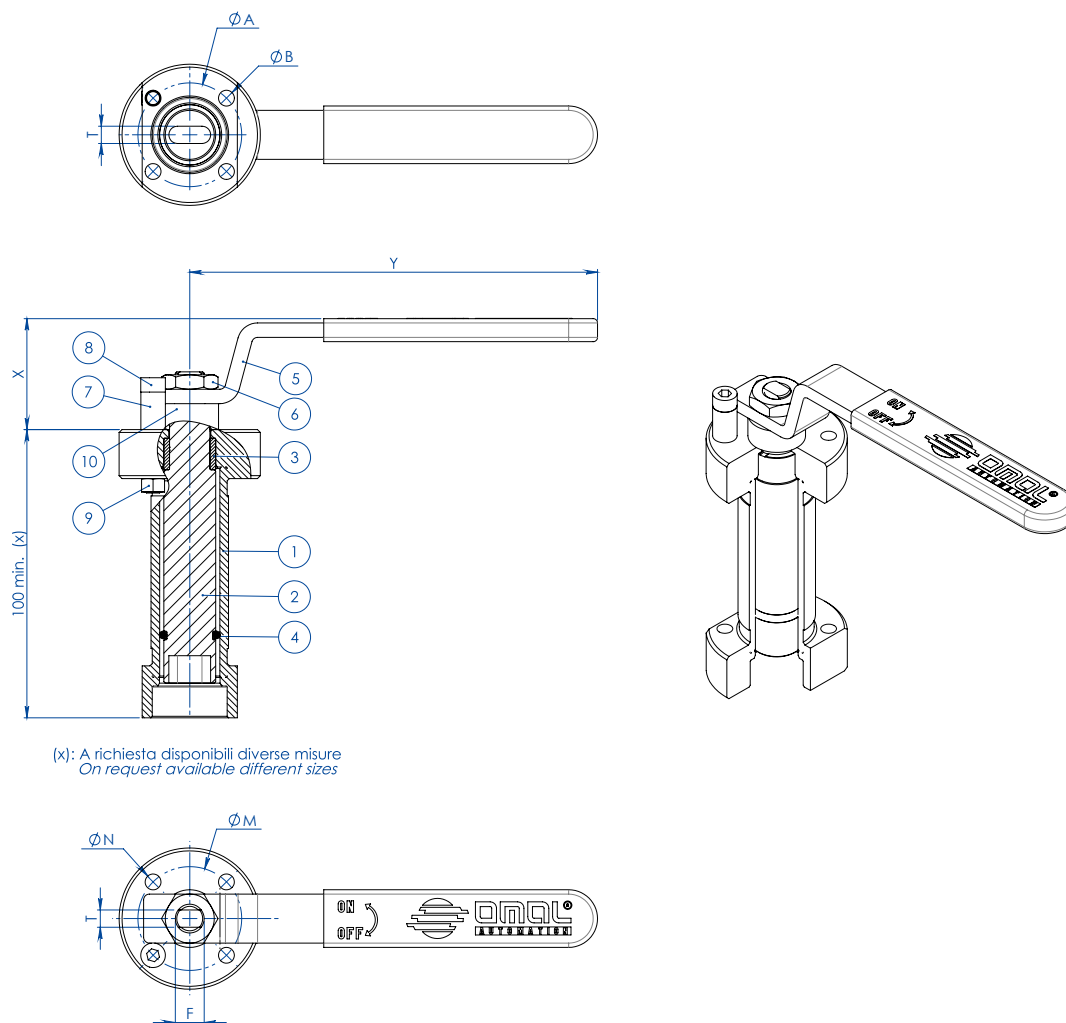
NOTA: Il codice della prolunga dipende dal tipo di azionamento e dall'attacco valvola; richiedere in fase d'ordine.

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



MAGNUM & THOR ACCESSORI ACCESSORIES

PROLUNGA GUIDATA SALDATA A LEVA WELDED STEM EXTENSION WITH LEVER



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

MATERIALI MATERIALS		
PART. N°	DESCRIZIONE - DESCRIPTION	MATERIALE - MATERIAL
1	Prolunga Extension	304 S.S.
2	Perno Pin	AISI 430 F
3	Bussola Bush	DELIRIN
4	O-RING O-RING	NBR
5	Leva Lever	Fe 37 galvanized (*)
6	Dado Nut	Galvanized carbon steel (*)
7	Fermo leva Holder Lever	Galvanized carbon steel (*)
8	Vite fermo leva Holder screw	A2-70
9	Dado fermo leva Holder nut	A2-70 (**)
10	Distanziale Spacer	PTFE Carbon Filled

(*): a richiesta disponibili in 304 S.S. On request available in Aisi 304 s.s.

(**): non presente su valvole con attacco iso F04. No available on valves with Iso connection F04

DIMENSIONI DIMENSIONS							
ISO VALVOLA 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

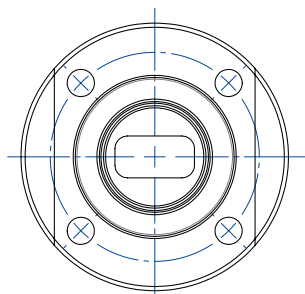
NOTA: Il codice della prolunga dipende dal tipo di azionamento e dall'attacco valvola; richiedere in fase d'ordine.

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

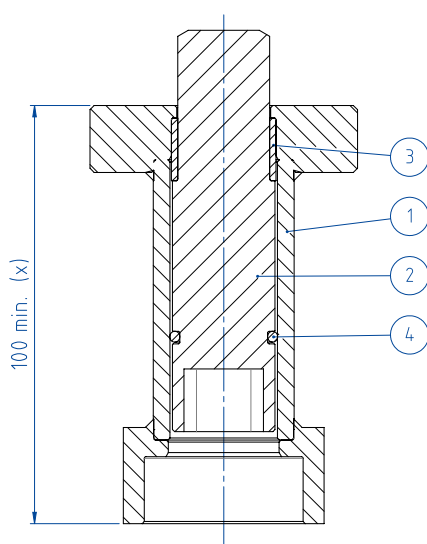


MAGNUM & THOR ACCESSORI ACCESSORIES

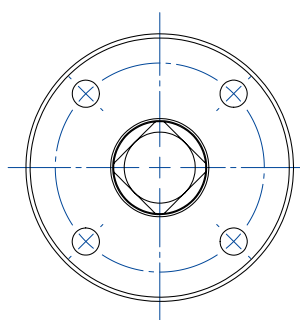
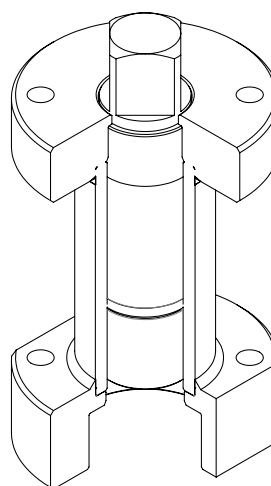
PROLUNGA GUIDATA SALDATA PER ATTUATORE WELDED STEM EXTENSION FOR ACTUATORS



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

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

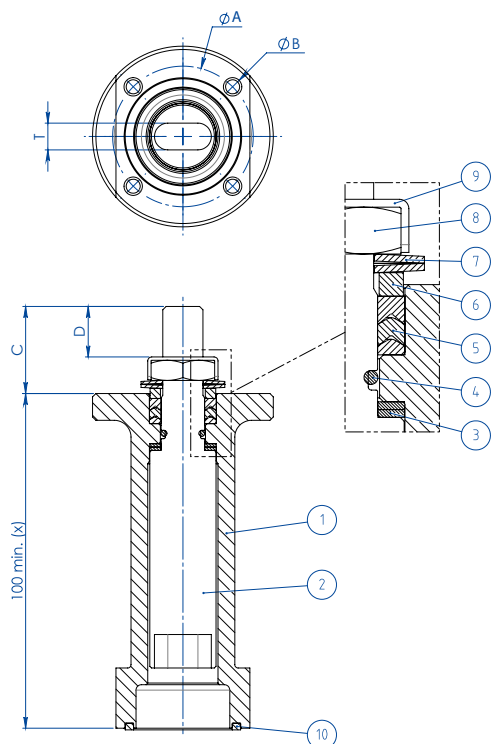
NOTA: Il codice della prolunga dipende dal tipo di azionamento e dall'attacco valvola; richiedere in fase d'ordine.

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

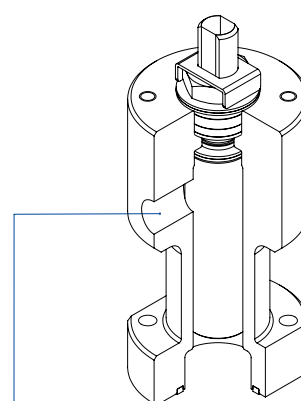
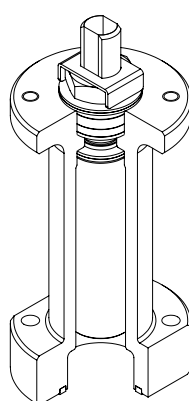


MAGNUM & THOR ACCESSORI ACCESSORIES

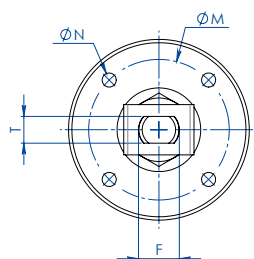
PROLUNGA CON TENUTA AGGIUNTIVA STEM EXTENSION WITH ADDITIONAL SEAL



(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



MATERIALI MATERIALS

PART. N°	DESCRIZIONE - DESCRIPTION	MATERIALE - MATERIAL
1	Prolunga Extension	304 s.s.
2	Perno Pin	A564 TP.630 (17-4ph)
3	Anello Antifrizione Bottom Sealing	TFM1600
4	O-Ring O-Ring	FKM
5	Pacco A V Chevron Ring	TFM1600
6	Anello Premiguarnizione Packing Gland Ring	304 s.s.
7	Molle A Tazza Spring Washer	50CrV4 Zincato - Galvanized
8	Dado Stelo Stem Nut	UNI 3740-1 6S Zincato - Galvanized
9	Piastra Blocca Dado Stop Nut Plate	304 s.s.
10	Guarnizione di tenuta Gasket	GRAFOIL

DIMENSIONI DIMENSIONS

ISO VALVOLA 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

NOTA: Il codice della prolunga dipende dal tipo di azionamento e dall'attacco valvola; richiedere in fase d'ordine.

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





ESECUZIONI SPECIALI A RICHIESTA PER MAGNUM & THOR *SPECIAL EXECUTIONS ON REQUEST FOR MAGNUM & THOR*



LEVA E BOX FINECORSA
LEVER AND LIMIT SWITCH BOX



DISPOSITIVO LUCCHETTABILE
LOCKING DEVICE



FORI LISCI PASSANTI
THROUGH HOLES



FORO DI COMPENSAZIONE
PRESSURE RELIEF HOLE



ESECUZIONI SPECIALI A RICHIESTA PER MAGNUM & THOR

SPECIAL EXECUTIONS ON REQUEST FOR MAGNUM & THOR



DEAD MAN
DEAD MAN



ESECUZIONE FONDO SERBATOIO
TANK EXECUTION



RIDUTTORE MANUALE
MANUAL GEAR-BOX



RIDUTTORE MANUALE E BOX FINECORSA
MANUAL GEAR-BOX AND LIMIT SWITCH BOX

**▲ API 6D (Valvole Split Body THOR Split Body THOR valves)**

Certificazione del Sistema di Qualità applicato per la progettazione, fabbricazione, ispezione finale e la prova di valvole a sfera per impianti del settore del petrolio e dal gas naturale in accordo allo standard API6D ed autorizzazione all'applicazione del Monogramma API da parte dell'American Petroleum Institute.

Certification of the Quality Management System operated by OMAL for the design, manufacture, final inspection and tests of ball valves for installations in the sector of oil and natural gas according to the API6D Spec. and license by American Petroleum Institute to the API monogram application.

**▲ SIL**

Certificazione di conformità alla norma IEC 61508, del livello di sicurezza funzionale del prodotto destinato ad essere integrato in sistemi con un livello di integrità funzionale fino a SIL 3.

Certification of compliance to the IEC 61508 requirements, of the functional safety level provided by the product intended to be integrated in systems with required safety integrity level up to SIL 3.

**▲ ATEX**

Dichiarazione che il Sistema di Qualità applicato per la progettazione, fabbricazione, ispezione finale e la prova di valvole industriali è in accordo con i requisiti della Direttiva ATEX per apparecchiature destinate all'impiego in ambienti con atmosfera potenzialmente esplosiva.

Declaration that the Quality Management System operated by OMAL for the design, manufacture, final inspection and tests of industrial valves is in compliance with the Directive ATEX for equipment intended to be used in potentially explosive atmospheres.



FUGITIVE EMISSION CERTIFICATE

CERTIFICATE NUMBER: FG-063579-847

CLIENT: OMAL
ADDRESS: Via Ponte Nuovo, 11 25050 Rodengo Saiano (BS) - Italy

REPORT NUMBER: 38

SCOPE OF REPORT: Fugitive Emission test carried out according to: ISO 15848-1 Edition 2015

max BAR: 100.0 Bar
max °C: +260°C

QUALIFIED VALVE: Size: 1"1/2 (Stem Dia. 23mm)
Rating Class: ANSI 600
Drawing N°: Y_4700
Type: SPLIT BODY BALL VALVE

RANGE AND TYPE OF VALVES COVERED: ISO FE BH-C03-S8A0-(-29°C, 260°C)-ANSI800-ISO 15848-1
In accordance with ISO 15848, we also extend the certification to valve with same stem and body seals material, design (shape) and construction, with stem size 50% lower and 200% higher than stem tested.
Paragraph 8 e): Stem tested Ø23 mm => Ø11.5 mm ≤ Stem certified ≤ Ø46 mm
Paragraph 8 f): Pressure ≤ ANSI600
The valve certified in accordance with paragraph 8 e) & 8 f) are:
From DN15 FB to DN 100 FB, ANSI ≤ 600 and PN ≤ 100 of series M4, T1.
From DN20 RB to DN150 RB, ANSI ≤ 600 and PN ≤ 100 of series T1.

TUV INSPECTOR: Montegassino Spina
CERTIFICATION DATE: 07/09/2015
TUV Italia s.r.l. - TÜV SÜD Group

▲ FUGITIVE EMISSION

Certificazione di conformità ai requisiti di non emissione verso l'esterno di sostanze nocive, in accordo con la norma UNI EN ISO 15848-1, per applicazione con fluidi volatili inquinanti e pericolosi.

Certification in compliance with UNI EN ISO 15848-1 requirements of non-emission of harmful substances to the outside, referring to volatile air pollutants and hazardous fluids applications.

DNV

FULL QUALITY ASSURANCE CERTIFICATE

Certificate No.: C539892 Initial date: 01 January, 2023 Validity: 01 January, 2023 – 31 December, 2025
This certificate consists of 2 pages

This is to certify that the quality system of:
OMAL S.p.A.
Via Ponte Nuovo, 11 - 25050 Rodengo Saiano (BS) - Italy

has been assessed and found to comply with respect to the conformity assessment procedure described in:
ANNEX III MODULE H OF DIRECTIVE 2014/68/EU ON PRESSURE EQUIPMENT

This certificate is valid for the following scope:

Type of Pressure Equipment: Pressure Accessory
Product Name: Ball valves, high pressure ball valves, butterfly valves, pneumatic valves.

Place and date: Vimercate, 03 December, 2022

Check Validity

For the issuing office:
Notified Body 0496, Italy
DNV Business Assurance Italy S.r.l.
Nicola Privato
Management Representative

Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
NOTIFIED BODY 0496: DNV Business Assurance Italy S.r.l. Via Energy Park, 14, 20871 Vimercate (MB), Italy. Tel: 039 08 99 905. [www.dnv.com](https://dnv.com) ICP 4-5-0 PED-0 rev.0

▲ PED

Certificazione del Sistema di Qualità applicato per la progettazione, fabbricazione, ispezione finale e la prova di valvole industriali in accordo con i requisiti della Direttiva PED.

OMAL operated Quality Management System Certificate for the design, manufacture, final inspection and tests of industrial valves in accordance with PED Directives

FIRE SAFE CERTIFICATE

CERTIFICATE NUMBER: FS-063579-228

CLIENT: OMAL
ADDRESS: Via Ponte Nuovo, 11 25050 Rodengo Saiano (BS)-Italy

REPORT NUMBER: 1253

SCOPE OF REPORT: Fire Safe test carried out according to: API 607 Sixth Edition September 2010, ISO 10497 Third Edition September 2010

max BAR: 114.9 Bar
max °C: +922°C

QUALIFIED VALVE: Size: 2"
Rating Class: PN63
Drawing N°: Y_2156
Model: V587/VM4 (MAGNUM)
Type: FLOATING BALL VALVE SPLIT WAFER

RANGE AND TYPE OF VALVES COVERED: NPS 2" and below, 2"1/2, 3", 4" (DN 50 and below, 65, 80, 100)
Class 300; 600 (PN 63, 100)

TUV INSPECTOR: Freochiani Mauro
CERTIFICATION DATE: 12/02/13
TUV Italia s.r.l. - TÜV SÜD Group

▲ FIRE SAFE

Certificazione della capacità di tenuta di una valvola in pressione, durante e dopo la prova di resistenza al fuoco in accordo con le norme API607/ISO 10497

Certification of compliance of the sealing capability of a valve in pressure during and after the fire type-testing according to API607/ISO 10497 standards