

ISO 9001:2015 by L.R.
PED DIR. 2014/68/UE by L.R.
ATEX DIR. 2014/34/UE by B.V.
FIRE SAFE EXECUTION by L.R.
ISO 15848 by TÜV
ANTISTATIC DEVICE by L.R.
FIRE SAFE TESTED ISO 10497 by L.R.
EAC CERTIFICATION by B.V.

TYPE
FU4
PN 10 ÷ 40
ANSI 150

NORME E DIRETTIVE APPLICATE DISPONIBILI AL SEGUENTE LINK:
STANDARD AND DIRECTIVE APPLIED AVAILABLE AT FOLLOWING LINK:
http://www.adlerspa.com/pdf/NORME_ADLER.pdf

VALVOLE A SFERA "3 VIE CORPO PIATTO" PASSAGGIO TOTALE 120°

ISO nbr° LRC 0160281 QMS issued by L.R.Q.A. PED nbr° COV 0212112/01 issued by L.R.V.
ATEX nbr° 40.2003.4392 issued by B.V. ISO 15848 nbr° I-148466/1-/2 issued by TÜV

On request
S.I.L. 3
According to IEC 61508



FULL BORE ACCORDING
TO ISO 14313

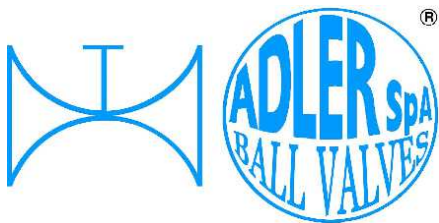
On request
FIRE SAFE
According to ISO 10497
"ISO-FT"

BREVETTO - PATENTED
00219616

CONSTRUCTION ACCORDING TO:
ANSI B16.34 - BS EN 12516-2

BALL VALVES "3 WAY WAFER" FULL BORE 120°
ROBINETS A BOISSEAU SPHERIQUE
"3 VOIES WAFER" PASSAGE INTEGRAL 120°
KUGELHÄHNE "3 WEGE KOMPAKTHAHN"
VOLLER DURCHGANG 120°

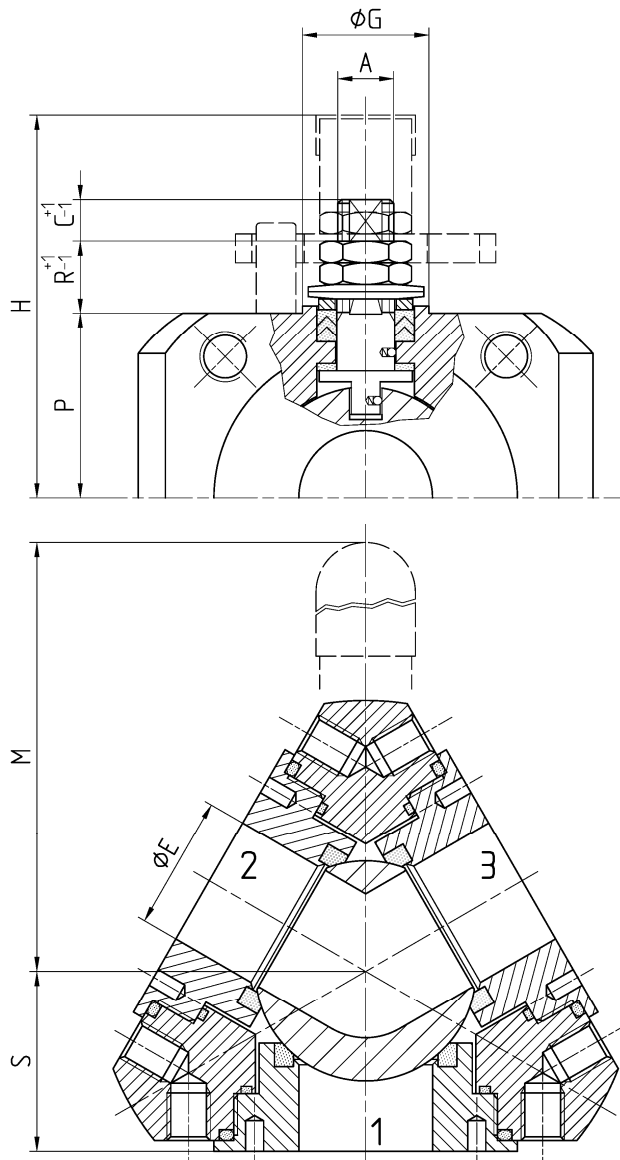
WEB SITE: WWW.ADLERSPA.COM



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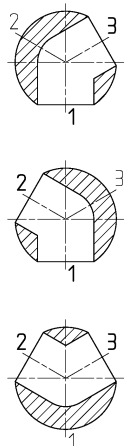
TYPE
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 ANSI 150

VALVOLA A SFERA "3 VIE CORPO PIATTO" PASSAGGIO TOTALE 120°
BALL VALVES "3 WAY WAFER" FULL BORE 120°
ROBINETS A BOISSEAU SPHERIQUE "3 VOIES WAFER" PASSAGE INTEGRAL 120°
KUGELHÄHNE "3 WEGE KOMPAKTHAHN" VOLLER DURCHGANG 120°



BREVETTO – PATENTED
00219616

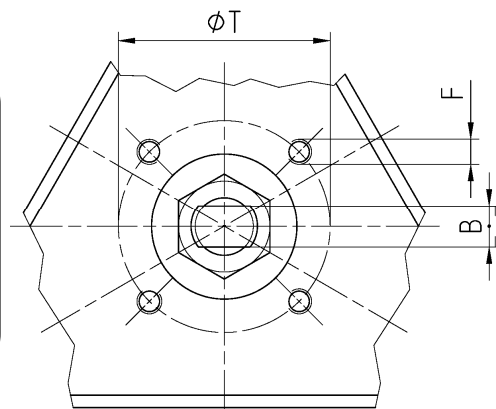
DN 150 ÷ 200
 -CONSIGLIATO
 RIDUTTORE MANUALE
 -MANUAL GEAR BOX
 SUGGESTED
 -REDUCTEUR MANUEL
 CONSEILLE
 -EMPFEHLEN WIR EIN
 HANDGETRIEBE

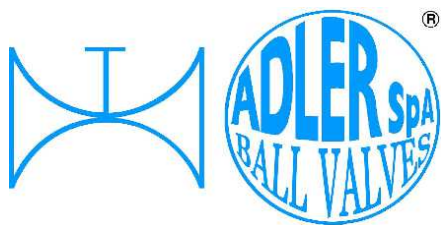


POSIZIONI OTTENIBILI
 OBTAINABLE POSITIONS
 POSITIONS OBTENABLES
 MÖGLICHE STELLUNGEN

• ACCOPPIAMENTO VALVOLA
 ATTUATORE
 • CONNECTION VALVE
 ACTUATOR
 • ACCOUPLEMENT ROBINET-
 ACTIONNEUR
 • ZUSAMMENBAU KUGELHAHN
 ANTRIEB

ISO-5211





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TYPE
FU4
 PN 10 ÷ 40
 ANSI 150

N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
1	CORPO BODY CORPS MITTE	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L ASTM A351 CF8M
2	GHIERA INSERT EMBOUT GEWINDEDRUCKRING	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L ASTM A351 CF8M
3*	O-RING	FKM - (VITON)
4*	ANELLO SEAL ANNEAU DICHTUNGSRING	P.T.F.E.
5*	SEDE SEAT SIEGE SITZRING	P.T.F.E. (BAM CERTIFIED) R.P.T.F.E. (OPTIONAL)
6	SFERA BALL BOULE KUGEL	ASTM A479 304/304L ASTM A351 CF8 ASTM A479 316/316L ASTM A351 CF8M
7	DISPOSITIVO ANTISTATICO ANTISTATIC DEVICE CONTACT ANTISTATIQUE ANTISTATIK VORRICHTUNG	ASTM A479 316/316L
8	STELO STEM TIGE SPINDEL	ASTM A479 304/304L ASTM A479 316/316L

N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
9*	BUSSOLA STEM SEAL JOINT TIGE UNTERE SPINDELABDICHTUNG	P.T.F.E.
10*	PACCO A "V" CHEVRON RINGS JOINT A "V" 3 FACHE DACHMANSCHETTE	P.T.F.E. / GRAFITE P.T.F.E. / GRAPHITE P.T.F.E. / GRAPHITE P.T.F.E. / GRAPHIT
11	PREMIBUSSOLA PRESSING BUSH PRESSE RONDELLE STOPFBUCHSDRUCKRING	ASTM A479 304
12	MOLLE A TAZZA SPRING WASHERS RONDELLES BELLEVILLE TELLERFEDERN	C72/50Cr V ₄ X5CrNi17.7 or X12CrNi17.7 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST
13	VITE DI FERMO E FERMO PIN AND STOP PIN PLOT ET PLOT D'ARRET ANSCHLAGBOLZEN	UNI 3740 8.8 UNI 3951 A2-70 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST
14	DADO - CONTRODADO NUT - LOCK NUT ECROU - CONTRE-ECROU MUTTER - KONTERMUTTER	UNI 3740 - 6S ASTM A479 304 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST
15	LEVA WRENCH LEVIER HANDHEBEL	AISI 1010 ASTM A479 304 ZINCATO/VERNICIATO GALVANIZED/PAINTED ZINGUE/PEINT VERZINKT/GEMALTEN ON REQUEST
16		

* RICAMBI CONSIGLIATI - RECOMMENDED SPARE PARTS - PIECES DE RECHANGE CONSEILLEES - ERSATZTEIL EMPFEHLUNG

DIMENSIONI - DIMENSION - DIMENSIONS - ABMESSUNGEN

DN	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300
A	10	10	10	12	12	16	16	22	22	30	30	42	48		
B	6	6	6	8	8	10	10	14	14	18	18	28	32		
C	8	8	8	10	10	10	10	12	12	17	17	19	20		
E	15	15	19	25	30	38	51	64	76	101	118	152	203		
F	M5	M5	M5	M5	M5	M6	M6	M8	M8	M10	M10	M12	M16		
ISO	F03	F03	F03	F03	F03	F05	F05	F07	F07	F10	F10	F12	F14		
G	25	25	25	25	25	35	35	55	55	70	70	85	100		
H	66	66	66	85	90	109	119	143	152	172	185	253	295		
M	156	156	156	190	190	287	287	374	374	657	657	750	900		
P	32,5	32,5	35	41	46,5	55	65	82	90,5	99,5	113	144	183		
R	7	7	7	17	17	20	20	23	23	26	26	34	36		
S	33	33	36	39,5	45	46,5	51	56,5	66	77,5	91	137	155		
T	36	36	36	36	36	50	50	70	70	102	102	125	140		
~Kg	3,8	3,8	5	5,8	9	13	19	27	35	38	41	100	140		

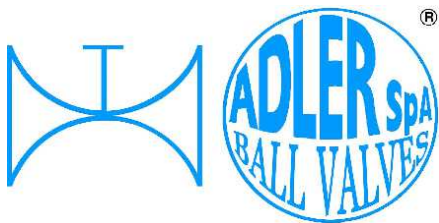
- DATI E CARATTERISTICHE SOGGETTI A VARIAZIONI SENZA PREAVVISO
- SPECIFICATIONS SUBJECT TO MODIFICATIONS WITHOUT PRIOR NOTICE
- TOUS DROITS DE MODIFICATION RESERVES
- KONSTRUKTIONSÄNDERUNGEN VORBEHALTEN

PN 10 ÷ 40 - ANSI 150

PN 10 ÷ 16 - ANSI 150



ADLER SpA - BALL VALVES
 20010 S. STEFANO TICINO (MI) ITALY V.le BORLETTI, 14 Tel. +39/02974842.11 FAX +39/0297271698
 E-mail: adler@adlerspa.com <http://www.adlerspa.com>



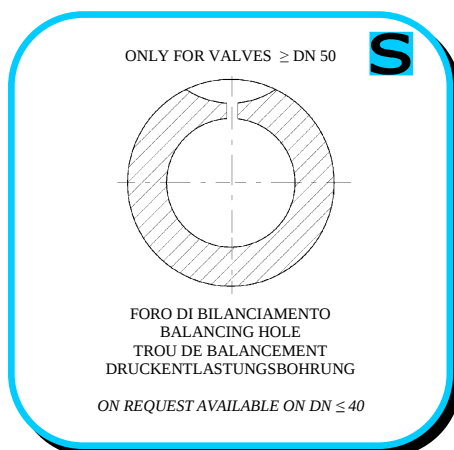
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TYPE
FU4
PN 10 ÷ 40
ANSI 150

• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



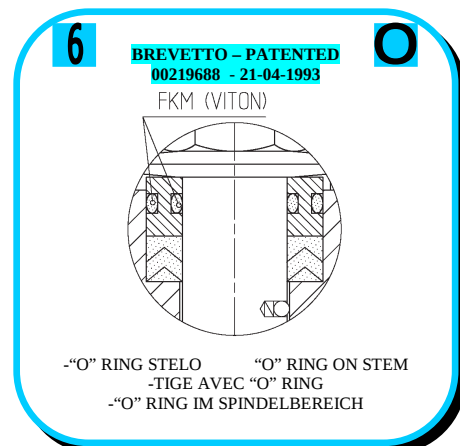
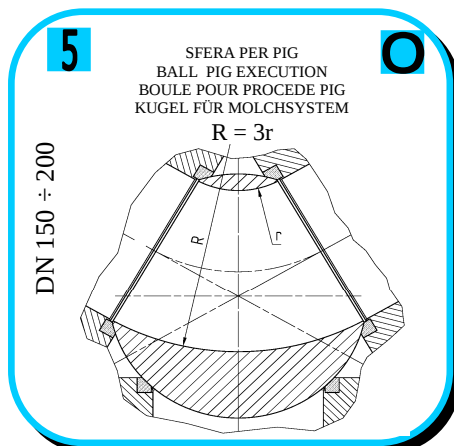
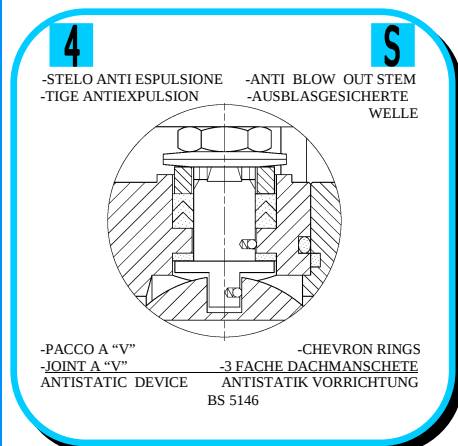
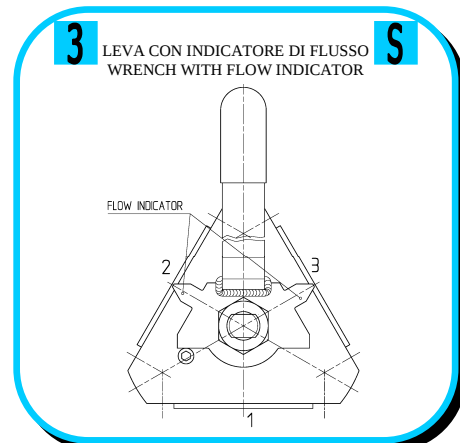
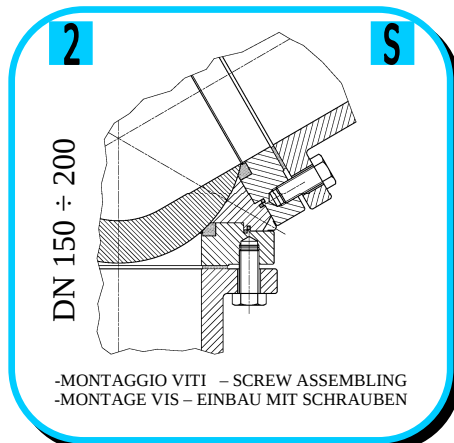
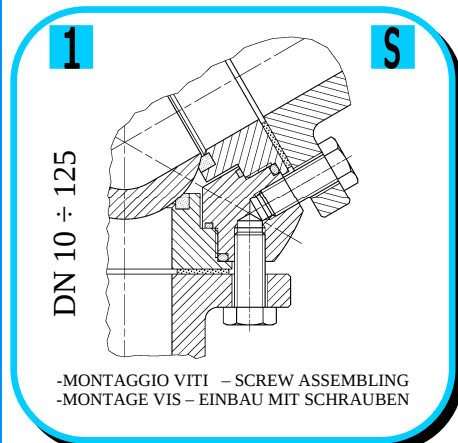
EXECUTION 4- 12

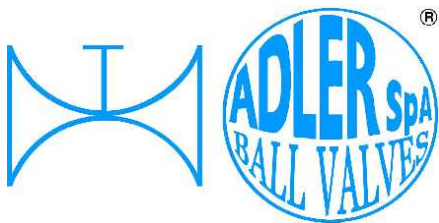


EXECUTION 6 - 16

S STANDARD

O OPTIONAL

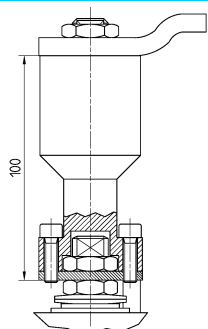




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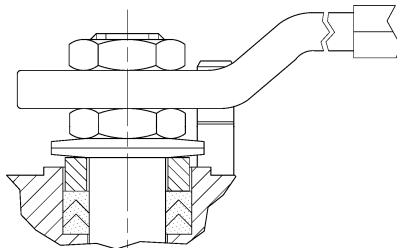
TYPE
FU4
PN 10 ÷ 40
ANSI 150

7



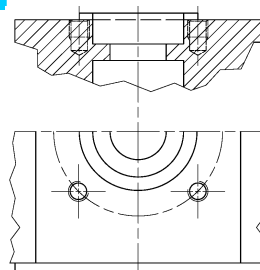
-PROLUNGA STELO -STEM EXTENSION
-TIGE PROLONGEE -SPINDELVERLÄNGERUNG

8



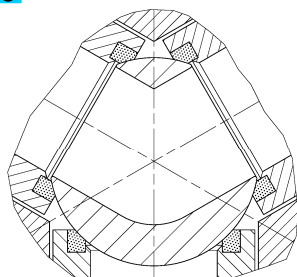
-PARTICOLARI INOX
-STAINLESS STEEL DETAILS
-ACCESSOIRES EN INOX
-EDELSTAHLTEILE

9



-ATTACCO "ISO" -"ISO" CONNECTIONS
-SYSTEM "ISO" -ANSCHLUSS "ISO"

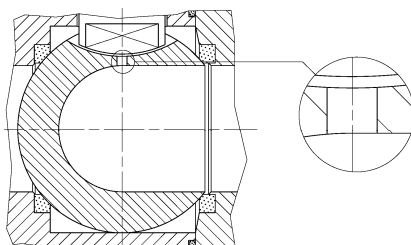
10



-SFERA CONTENUTA -CONTENTS BALL
-BOULE CONTENUE
-NICHT RAUSRAGENDE KUGEL

11

VEDERE / SEE ISO 14313



-FORO DI SCARICO NELLA SFERA
-OVERPRESSURE HOLE INTO BALL
-TROU DECOMPRESSION DANS LA BOULE
-ENTLASTUNGSBOHRUNG IN DER KUGEL

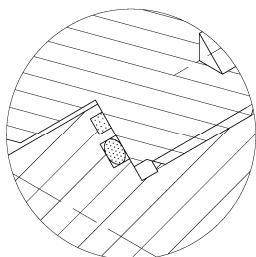
12

FIRE SAFE
ISO 10497 "ISO-FT"
(BS 6755 / API 607)



13

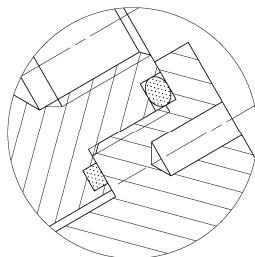
DN 10 ÷ 32



-DOPPIA TENUTA -DOUBLE SEALS
-DOUBLE ETANCHEITE -DOPPELTE ABDICHTUNG
-GHIERA A BATTUTA -METAL BEATING RING
-EMBOUT AVEC BATTUE MECANIQUE
-METALLISCHER ANSCHLAG DES
GEWINDEDUCKRINGS

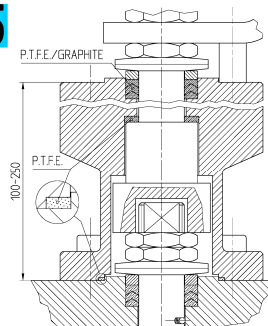
14

DN 40 ÷ 125



-DOPPIA TENUTA -DOUBLE SEALS
-DOUBLE ETANCHEITE -DOPPELTE ABDICHTUNG
-GHIERA A BATTUTA -METAL BEATING RING
-EMBOUT AVEC BATTUE MECANIQUE
-METALLISCHER ANSCHLAG DES
GEWINDEDUCKRINGS

15



-SERVIZIO CRIOGENICO - CRYOGENIC SERVICE
-SERVICE CRYOGENIQUE
-TIEFTEMPORATUR SERVICE

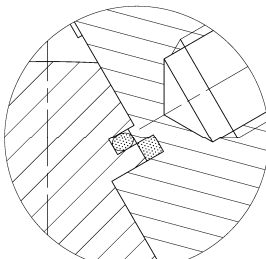
16



-FIRE SAFE ISO FT+ "O" RING STELO
-FIRE SAFE ISO FT+ "O" RING ON STEM
-SECURITE FEU ISO FT+ TIGE AVEC "O" RING
-FEUERSICHERE AUSFÜHRUNG ISO FT +
"O" RING IM SPINDELBEREICH

17

DN 150-200

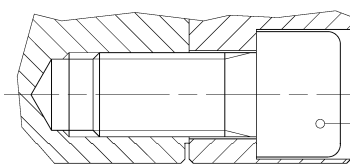


DOPPIA TENUTA - DOUBLE SEALS
DOUBLE ETANCHEITE
DOPPELTE ABDICHTUNG

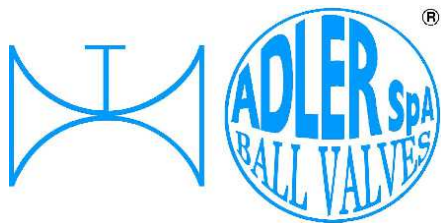
18

DN 150 ÷ 200

UNIONE CORPO LATERALE CON VITE
BODY AND END ASSEMBLING WITH SCREW



Screw UNI 3740-8.8
GALVANIZED



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TYPE
FU4
 PN 10 ÷ 40
 ANSI 150

VITI D'ASSEMBLAGGIO PER FU4 - ASSEMBLING SCREWS FOR FU4 - VIS D'ASSEMBLAGE POUR FU4- MONTAGESCHRAUBEN FÜR FU4
 N° VITI – DIMENSIONE • N° SCREW – DIMENSIONS • N° VIS- DIMENSIONS • N° SCHRAUBEN – ABMESSUNGEN

EUROPEAN NORM

DN PN	10-15	20	25	32	40	50	65	80	100	125	150	200
10	12 M12 X35	12 M12 X40	12 M12 X40	12 M16 X40	12 M16 X40	12 M16 X45	12 M16 X45		24 M16 X45	24 M16 X45	24 M20 X55	24 M20 X55
16	12 M12 X35	12 M12 X40	12 M12 X40	12 M16 X40	12 M16 X40	12 M16 X45	12 M16 X45	24 M16 X45	24 M16 X45	24 M16 X45	24 M20 X55	
25	12 M12 X35	12 M12 X40	12 M12 X40	12 M16 X40	12 M16 X40	12 M16 X45		24 M16 X45	24 M20 X55	24 M24 X55		
40	12 M12 X35	12 M12 X40	12 M12 X40	12 M16 X40	12 M16 X40	12 M16 X45		24 M16 X45	24 M20 X55	24 M24 X55		

ANSI METRIC

(STANDARD ADLER)

Ø Rating	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"
150	12 M14 X30	12 M14 X30	12 M14 X35	12 M14 X40	12 M14 X40	12 M16 X45	12 M16 X45	12 M16 X45	24 M16 X45	24 M20 X50	24 M20 X55	24 M20 X50

ANSI B1.1 UNC

(ON REQUEST)

Ø Rating	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"
150	12 1/2 X 1 ¼	12 1/2 X 1 ½	12 1/2 X 1 ½	12 1/2 X 1 ¾	12 1/2 X 1 ½	12 5/8 X 1 ¾	12 5/8 X 1 ¾	12 5/8 X 1 ¾	24 5/8 X 1 ¾	24 3/4 X 2	24 3/4 X 2 ¼	24 3/4 X 2

Length of screws calculated considering a gasket with thickness of 2mm.

For dimension in **BLU COLOR** is necessary to use a washer with thickness of 2 mm.

