

ISO 9001 by L.R.
PED DIR. 2014/68/UE by L.R.
ATEX DIR. 2014/34/UE by B.V.
FIRE SAFE EXECUTION BS6755/API 607 by L.R.
FIRE SAFE TESTED ISO 10497 by L.R.
ISO 15848 by TÜV
ANTISTATIC DEVICE by L.R.
EAC CERTIFICATION by B.V.

TYPE
FA1
PN 10 ÷ 40
ANSI 150 ÷ 300

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 "CORPO PIATTO" PASSAGGIO TOTALE

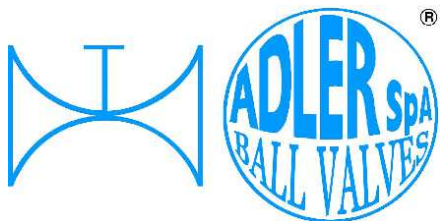
CONSTRUCTION ACCORDING TO:
BS EN 12516-2 - ANSI B16.34
ISO 14313 - EN 558

ACTUATED
BALL VALVES
CERTIFIED
SIL 3 Capable
According to IEC 61508

On request C.S. certified
TPED 2010/35/UE
FROM DN 15 TO DN 80
PN 40

**BALL VALVES "WAFFER TYPE" FULL BORE
ROBINETS A BOISSEAU SPHERIQUE
"WAFFER" PASSAGE INTEGRAL
FLANSCHKUGELHÄHNE IN "KOMPAKTBAUWEISE"
VOLLER DURCHGANG**

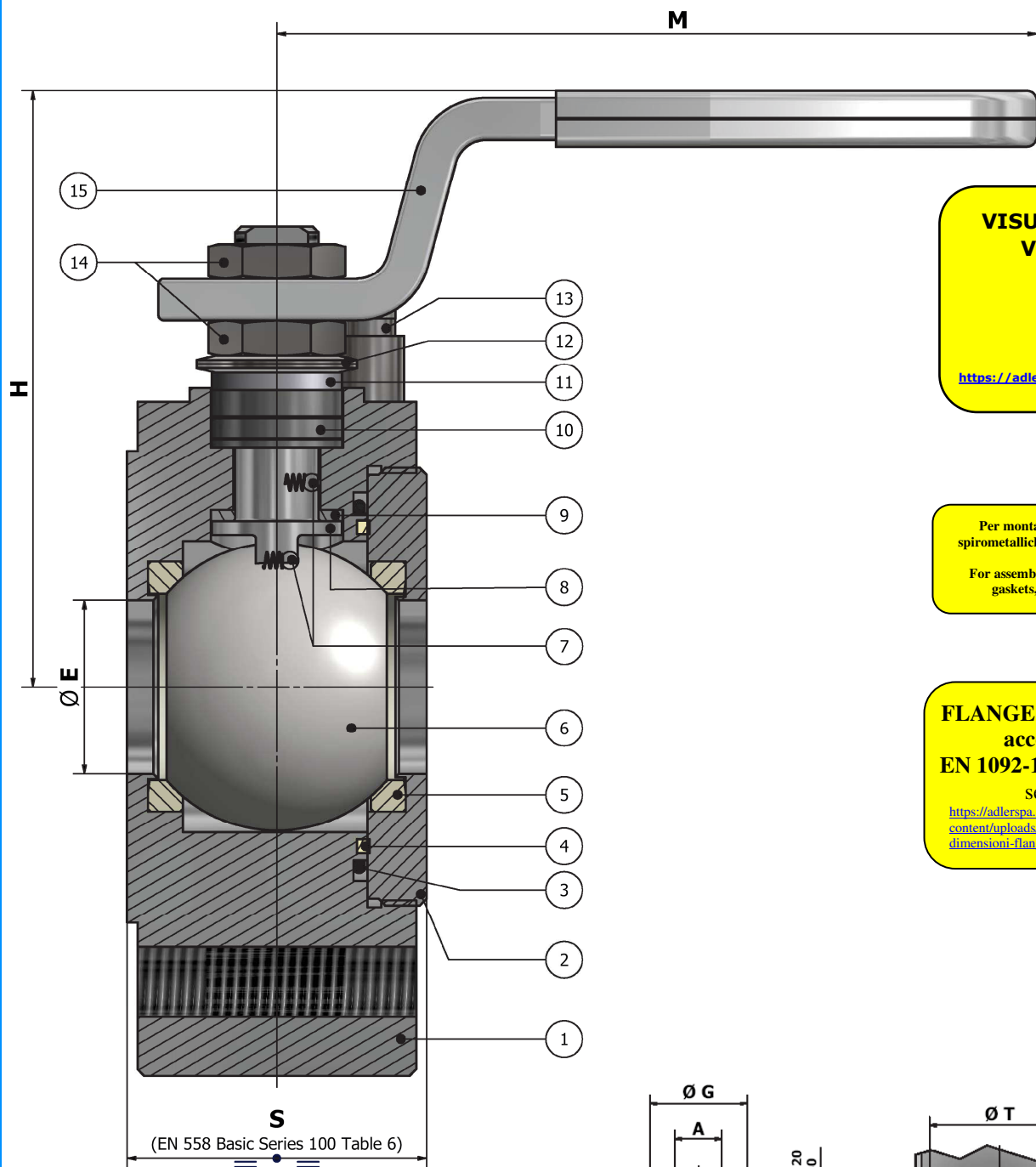
WEB SITE: WWW.ADLERSPA.COM



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VALVOLA A SFERA "CORPO PIATTO" PASSAGGIO TOTALE
BALL VALVES "WAFFER TYPE" FULL BORE
ROBINETS A BOISSEAU SPHERIQUE "WAFER" PASSAGE INTEGRAL
FLANSCHKUGELHÄHNE IN "KOMPAKTBAUWEISE" VOLLER DURCHGANG



**VISUALIZZA 3D
 VIEW 3D**



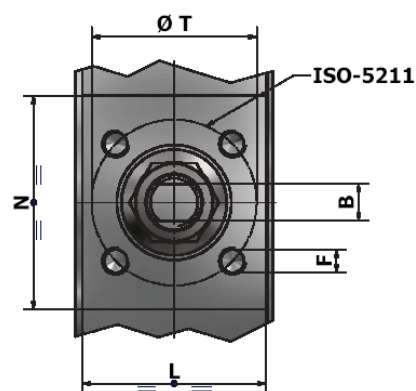
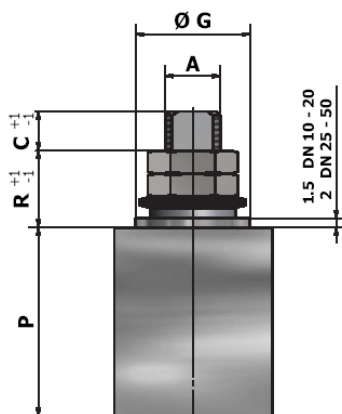
<https://adlerspa.com/prodotti/fa1>

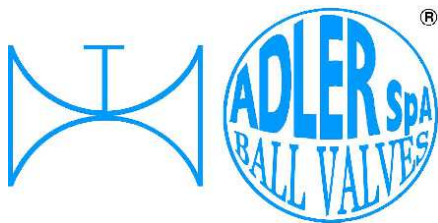
Per montaggio con guarnizioni
 spirometalliche, contattare Adler Spa.

For assembling with spiral-wound
 gaskets, contact Adler Spa

**FLANGE DIMENSIONS
 according to
 EN 1092-1 or ANSI B16.5
 see table**

<https://adlerspa.com/wp-content/uploads/2023/11/Tabella-dimensioni-flange-valvole-Adler.pdf>





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N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
1	CORPO BODY CORPS MITTE	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L
2	GHIERA INSERT EMBOUT GEWINDEDRUCKRING	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L
3*	O-RING	FKM - (VITON)
4*	ANELLO SEAL ANNEAU DICHTUNGSRING	P.T.F.E.
5*	SEDE SEAT SIEGE SITZRING	P.T.F.E. 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 ZINCATO - GALVANIZED - X10CrNi18.8 ZINGUE - VERZINKT ON REQUEST
13	VITE DI FERMO E FERMO PIN AND STOP PIN PLOINT ET PLOT D'ARRET ANSCHLAGBOLZEN	UNI 3951 A2-70
14	DADO - CONTRODADO NUT - LOCK NUT ECROU - CONTRE-ECROU MUTTER - KONTERMUTTER	UNI 3740 - 6S ZINCATO - GALVANIZED ASTM A479 304 ZINGUE - VERZINKT ON REQUEST
15	LEVA WRENCH LEVIER HANDHEBEL	AISI 1010 CHROMED FOR S.S. VALVES ASTM A479 304 PAINTED FOR C.S. VALVES ON REQUEST
16		

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

ON REQUEST P.T.F.E. AVAILABLE CERTIFIED BAM, FDA, MOCA

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						
B	6	6	6	8	8	10	10	14	14						
C	7	7	7	10	10	10	10	12	12						
E	15	15	19	25	30	38	51	64	76						
F	M5	M5	M5	M5	M5	M6	M6	M8	M8						
ISO	F03	F03	F03	F03	F03	F05	F05	F07	F07						
G	25	25	25	25	25	35	35	55	55						
H	66	66	68	85	91	110	120	144	152						
L	33	33	33	40	48	58	79	97	114						
M	145	145	145	185	185	280	280	370	370						
N	69	69	78	81	105	102	102	25	80						
P	32,5	32,5	35	41	46,5	55	65	82	90,5						
R	7,5	7,5	7,5	16,5	16,5	19,5	19,5	24	24						
P	32,5	32,5	36,5	42,5	46,5	55	74,5								
R	8	8	6	17	16,5	20	10								
S	35	35	37	43	51	64	84	103	120						
T	36	36	36	36	36	50	50	70	70						
~Kg	1,6	1,6	1,9	2,8	4,8	7,2	11,5	18	23						

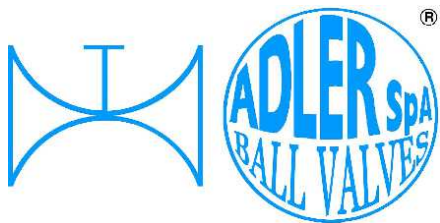
- DATI E CARATTERISTICHE SOGGETTI A VARIAZIONI SENZA PREAVVISO
- SPECIFICATIONS SUBJECT TO MODIFICATIONS WITHOUT PRIOR NOTICE
- TOUS DROITS DE MODIFICATION RESERVES
- KONSTRUKTIONSÄNDERUNGEN VORBEHALTEN

PN 10÷40 - ANSI 150

ANSI 300



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
FA1
PN 10 ÷ 40
ANSI 150 ÷ 300

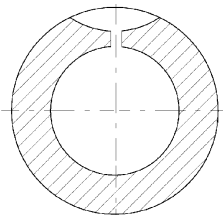
• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



EXECUTION 4- 12

ONLY FOR VALVES $\geq$ DN 50

S



FORO DI BILANCIAMENTO
BALANCING HOLE
TROU DE BALANCEMENT
DRUCKENTLASTUNGSBOHRUNG

ON REQUEST AVAILABLE ON DN $\leq$ 40



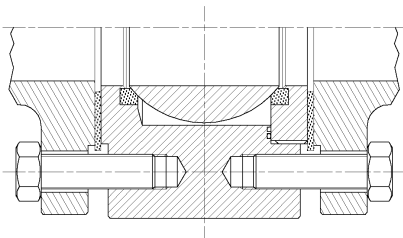
EXECUTION 6 - 16

S STANDARD

O OPTIONAL

1

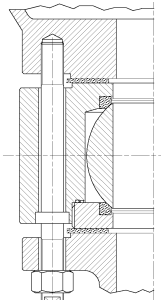
S



-MONTAGGIO VITI – SCREW ASSEMBLING
-MONTAGE VIS – EINBAU MIT SCHRAUBEN

2

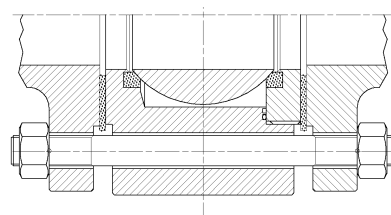
O



-MONTAGGIO DI FONDO
-END TANK ASSEMBLING
-MONTAGE FOND DE CUVE
-EINBAU ALS BODENABLASSKUGELHAHN

3

O

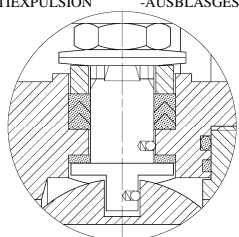


-MONTAGGIO BULLONI
-BOLTS ASSEMBLING
-MONTAGE BOULONS
EINBAU MIT ZUGBOLZEN

4

S

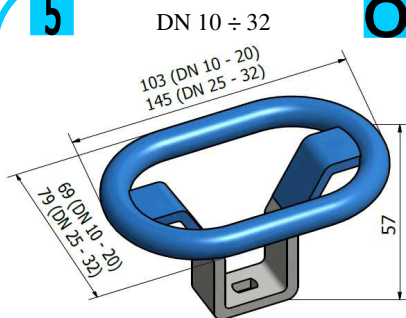
-STELO ANTI ESPULSIONE
-ANTI BLOW OUT STEM
-TIGE ANTIEXPULSION
-AUSBLASGESICHERETE WELLE



-PACCO A "V"
-JOINT A "V"
-ANTISTATIC DEVICE
BS 5146
-CHEVRON RINGS
-3 FACHE DACHMANSCHETE
-ANTISTATIK VORRICHTUNG

5

O

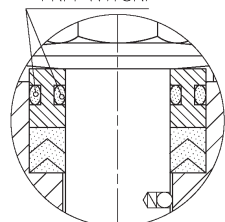


-MANIGLIA OVALE
-LEVIER OVAL
-OVAL HANDLE
-HANDHEBEL IN OVALFORM

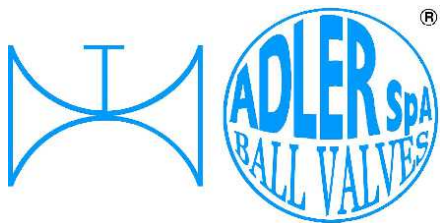
6

O

BREVETTO – PATENTED
00219688 - 21-04-1993
FKM (VITON)



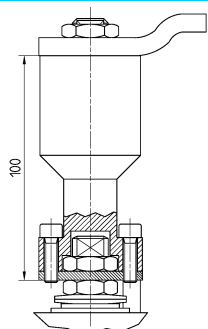
-“O” RING STELO
-“O” RING ON STEM
-TIGE AVEC “O” RING
-“O” RING IM SPINDELBEREICH



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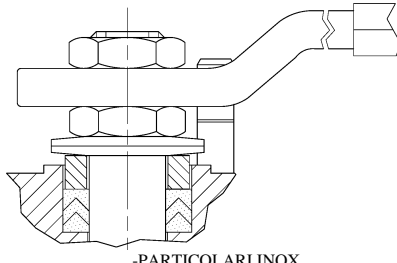
TYPE
FA1
PN 10 ÷ 40
ANSI 150 ÷ 300

7



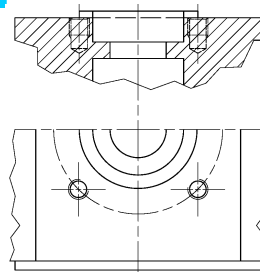
-PROLUNGA STELO -STEM EXTENSION
-TIGE PROLONGEE -SPINDELVERLÄNGERUNG

8



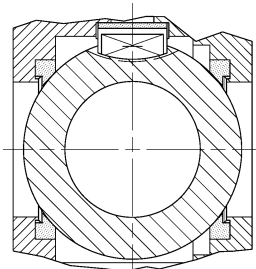
-PARTICOLARI INOX
-STAINLESS STEEL DETAILS
-ACCESSOIRES EN INOX
-EDELSTAHLTEILE

9



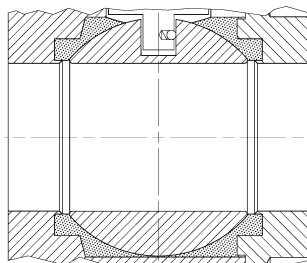
-ATTACCO "ISO" -"ISO" CONNECTIONS
-SYSTEM "ISO" -ANSCHLUSS "ISO"

10



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

11



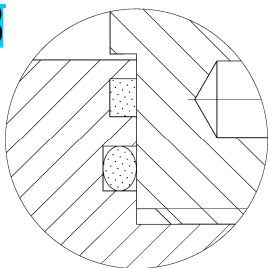
-TENUTE INTEGRALE -POCKETLESS SEATS
-TENUE INTEGRALE -TOTRAUMARM
-P.T.F.E. / R.T.F.E.

12

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



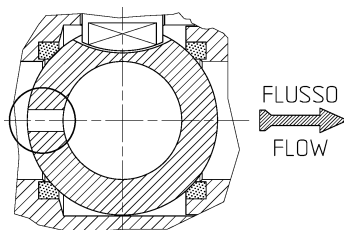
13



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

14

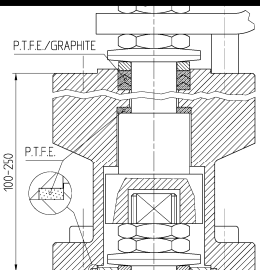
VEDERE / SEE ANSI B16.34



FLUSSO
FLOW

-FORO DI SCARICO NELLA SFERA
-OVERPRESSURE HOLE INTO BALL
-TROU DECOMPRESSION DANS LA BOULE
-ENTLASTUNGSBOHRUNG IN DER KUGEL
VALVOLA MONO DIREZIONALE
MONO-DIRECTIONAL VALVE

15



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

16

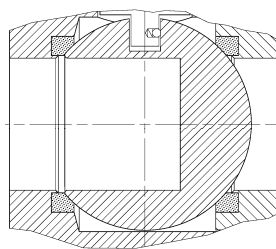


-FIRE SAFE ISO FT+ "O" RING STELO
-FIRE SAFE ISO FT+ "O" RING ON STEM
-SECURITE FEU ISO FT+ TIGE AVEC "O" RING
-FEUERSICHERE AUSFÜHRUNG ISO FT+
"O" RING IM SPINDELBEREICH

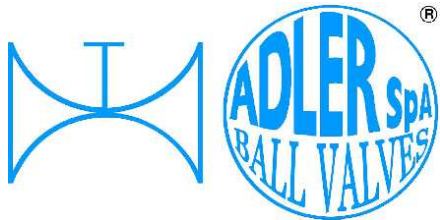
ADLER

UNA GAMMA COMPLETA
PRIVILEGIANDO LA QUALITA'
A COMPLETE RANGE PRIVILEGING
THE QUALITY

18



-SFERA CIECA PER CAMPIONATURA
-BLIND BALL FOR SAMPLING
-PRISE-ECHANTILLON
KUGEL FÜR PROBENAHME



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FA1
 PN 10 ÷ 40
 ANSI 150 ÷ 300

VITI D'ASSEMBLAGGIO PER FA1 - ASSEMBLING SCREWS FOR FA1 - VIS D'ASSEMBLAGE POUR FA1- MONTAGESCHRAUBEN FÜR FA1

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	
16	8	M12 X30	8	M12 X30	8	M12 X30	8	M16 X35	8	M16 X35	8	M16 X40												
25	8	M12 X30	8	M12 X35	8	M12 X35	8	M16 X40	8	M16 X40	8	M16 X40												
40	8	M12 X30	8	M12 X35	8	M12 X35	8	M16 X40	8	M16 X40	8	M16 X40												

ANSI METRIC

(STANDARD ADLER)

Ø Rating	1/2"		3/4"		1"		1 1/4"		1 1/2"		2"		2 1/2"		3"		4"		5"		6"		8"	
150	8	M14 X30	8	M14 X30	8	M14 X30	8	M14 X35	8	M14 X35	8	M16 X40												
300	8	M14 X30	8	M16 X30	8	M16 X35	8	M16 X40	8	M20 X45	16	M16 X40												

ANSI B1.1 UNC

(ON REQUEST)

Ø Rating	1/2"		3/4"		1"		1 1/4"		1 1/2"		2"		2 1/2"		3"		4"		5"		6"		8"	
150	8	1/2 X 1 1/4	8	1/2 X 1 1/4	8	1/2 X 1 1/4	8	1/2 X 1 1/4	8	1/2 X 1 1/2	8	5/8 X 1 1/2												
300	8	1/2 X 1 1/4	8	5/8 X 1 1/4	8	5/8 X 1 1/2	8	5/8 X 1 1/2	8	3/4 X 1 3/4	16	5/8 X 1 3/4												

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

