

ISO 9001:2008 by L.R.
PED DIR. 97/23/EC by L.R.
ATEX DIR. 94/9/EC 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.

TYPE
FP3
PN 20 ÷ 100

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 PEZZI" PASSAGGIO TOTALE GAS ISO 7-1 – ANSI B1.20.1 NPT – S.W. – B.W.

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

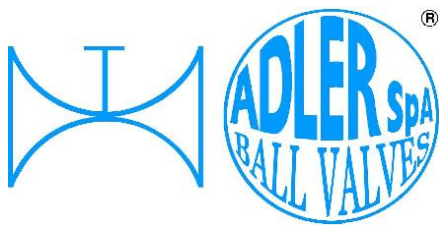
On request
FIRE SAFE
According to ISO 10497
"ISO-FT"

FULL BORE ACCORDING
TO ISO 14313

CONSTRUCTION ACCORDING TO:
BS EN 12516-2 - DIN 3202 M3
ISO 14313

**BALL VALVES "3 PIECES" FULL BORE
ROBINETS A BOISSEAU SPHERIQUE
"3 PIECES" PASSAGE INTEGRAL
KUGELHÄHNE "3 TEILIG"
VOLLER DURCHGANG**

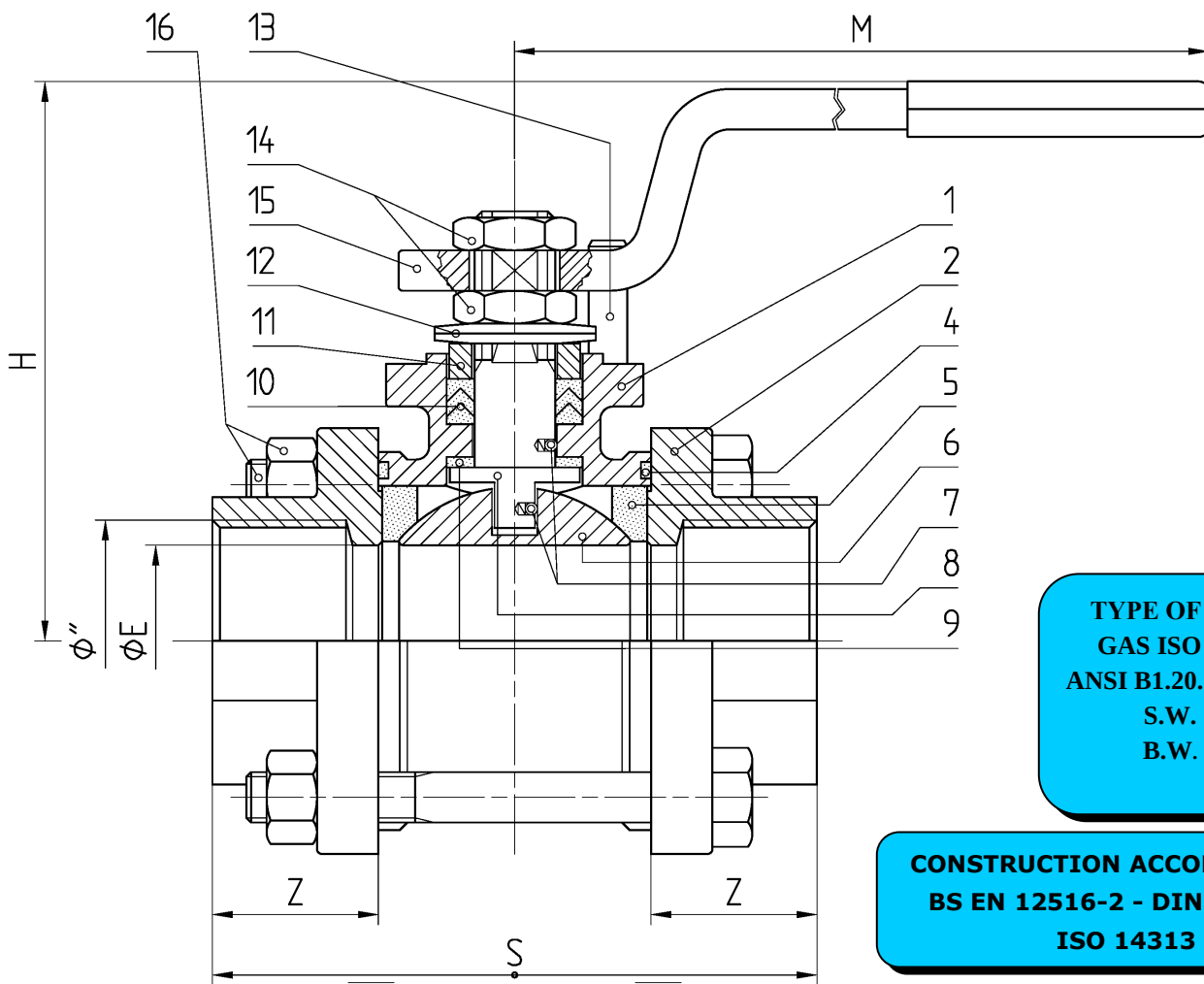
WEB SITE: WWW.ADLERSPA.COM



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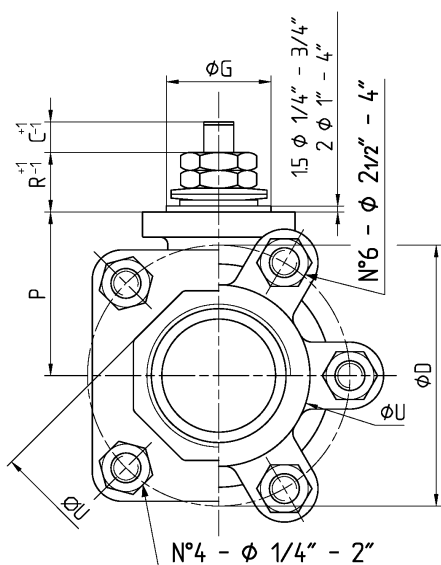
TYPE
FP3
PN 20 ÷ 100

VALVOLA A SFERA "3 PEZZI" PASSAGGIO TOTALE
BALL VALVES "3 PIECE" FULL BORE
ROBINETS A BOISSEAU SPHERIQUE "3 PIECES" PASSAGE INTEGRAL
KUGELHÄHN "3 TEILIG" VOLLER DURCHGANG



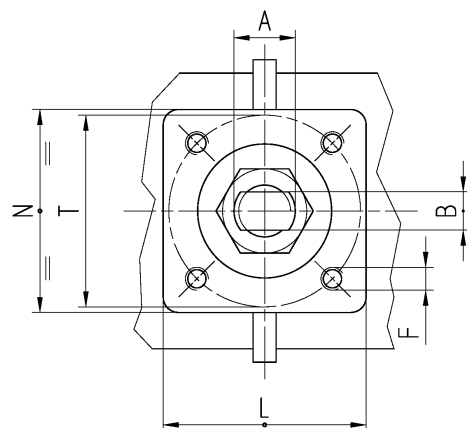
TYPE OF Ø":
GAS ISO 7-1
ANSI B1.20.1 NPT
S.W.
B.W.

CONSTRUCTION ACCORDING TO:
BS EN 12516-2 - DIN 3202 M3
ISO 14313



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

ISO-5211



N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
1	CORPO BODY CORPS KÖRPER	ASTM A 351 CF8M
2	LATERALE END LATERAL GEHÄUSEFLANSCH	ASTM A 105 ASTM A 351 CF8M ASTM A 351 CF3M (TYPE BW)
3		
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 $\varnothing \leq 3/8"$ 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 $\varnothing \leq 3/8"$

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 - GALVANIZED ZINGUE - VERZINKT ON REQUEST
16	BULLONE BOLT BOULON GEWINDEBOLZEN	UNI 3740 8.8 UNI 3951 A2-70 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST

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

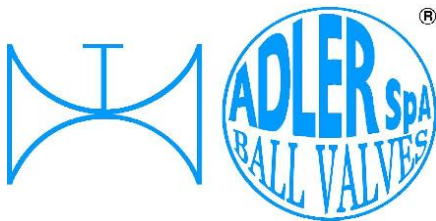
DIMENSIONI - DIMENSION - DIMENSIONS - ABMESSUNGEN

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
AxB	8x5	8x5	10x6	10x6	12x8	12x8	16x10	16x10	22x14	22x14	30x18			
C	6	6	7	7	10	10	15	15	17	17	17			
D	34,6	34,6	43,1	49,2	60,8	67,9	84	101,8	123	143	176			
E	10	10	15	19	25	30	38	51	64	76	101			
F	M5	M5	M5	M5	M5	M5	M6	M6	M8	M8	M8			
ISO	F03	F03	F03	F03	F03	F03	F05	F05	F07	F07	F07			
G	25	25	25	25	25	25	35	35	55	55	55			
H	46	46	66	68	85	91	106	116	140	148	174			
L=N	33	33	36	36	36	36	51	51	65	65	70			
M	120	120	145	145	185	185	280	280	370	370	470			
P	22,2	22,2	32,5	35	41	45,5	53	60,5	77,5	86	99,5			
R	7	7	8	8	17	17	20	20	23	23	26			
S	50	60	75	80	90	110	120	140	185	205	240			
T	36	36	36	36	36	36	50	50	70	70	70			
U	12	22	26	32	38	47	54	66	82	95,5	122			
Z	15,1	20,1	24,5	25,7	26,5	32,7	33,2	34,75	50,6	53,4	60			
Bolts M	5x40	5x40	6x55	6x55	8x70	8x80	10x90	10x110	12x120	14x140	14x170			
PN	100	100	63	63	40	40	40	40	25	25	20			
Kg	0,3	0,35	0,75	0,85	1,35	1,75	3,3	4,9	11	15	23,5			

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



ADLER SpA - BALL VALVES
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E-mail: adler@adlerspa.com <http://www.adlerspa.com>



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**VALVOLA A SFERA "3 PEZZI" PASSAGGIO TOTALE
BALL VALVES "3 PIECE" FULL BORE**

**ROBINETS A BOISSEAU SPHERIQUE "3 PIECES" PASSAGE INTEGRAL
KUGELHÄHNE "3 TEILIG" VOLLER DURCHGANG**

• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



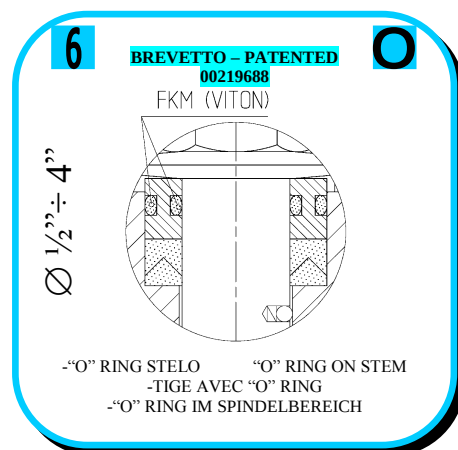
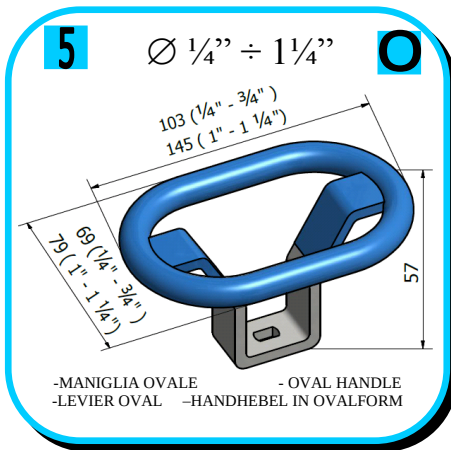
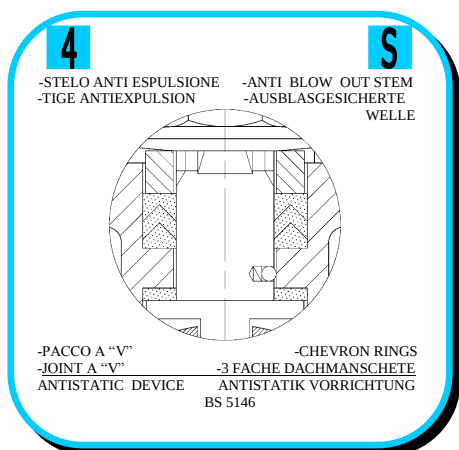
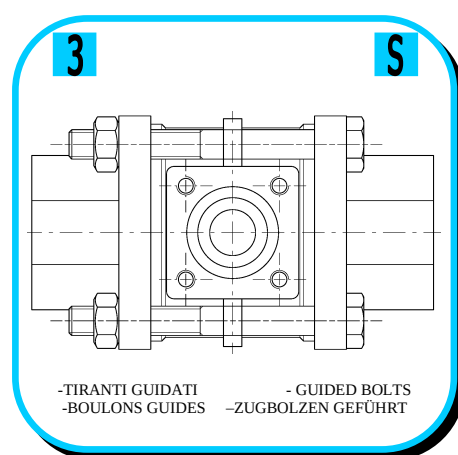
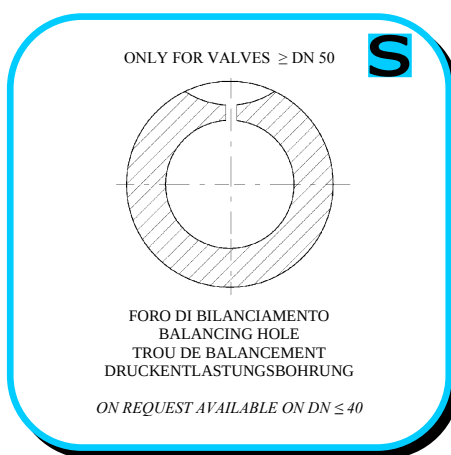
EXECUTION 4 - 12

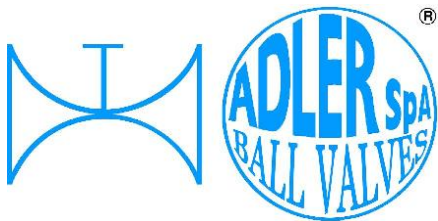


EXECUTION 6 - 16

S STANDARD

O OPTIONAL





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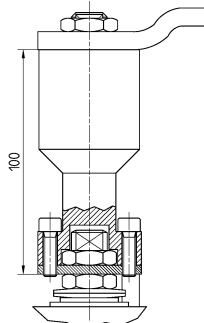
TYPE
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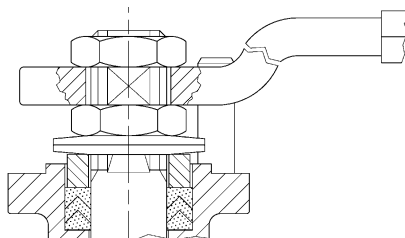
7



O

-PROLUNGA STELO -STEM EXTENSION
-TIGE PROLONGEE -SPINDELVERLÄNGERUNG

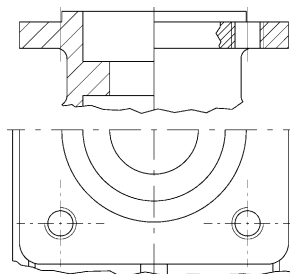
8



O

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

9



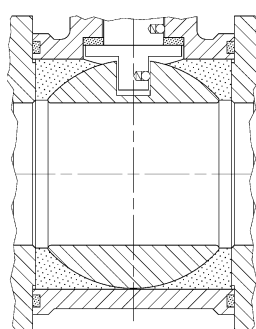
S

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

THREAD GAUGES



11



O

-TENUTA INTEGRALE -POCKETLESS SEATS
-TENUE INTEGRALE -TOTRAUMARM

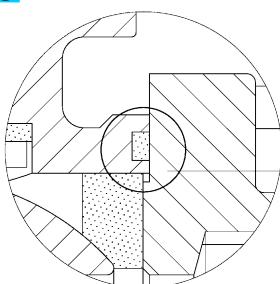
12

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

O



13

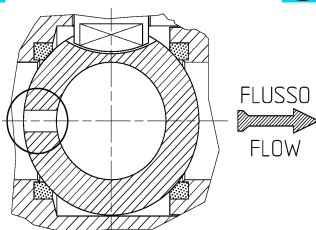


S

-ANELLO CONTENUTO -ANNEAU CONTENU
-CONTAINED SEAL -DICHTRING GEKAMMERT

14

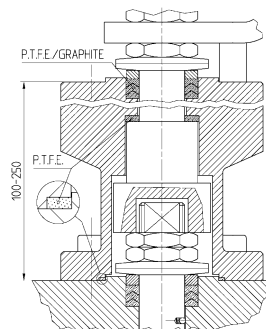
VEDERE / SEE ANSI B16.34



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



O

-SERVIZIO CRIOGENICO -CRYOGENIC SERVICE
-SERVICE CRYOGÉNIQUE
-TIEFTEMPORATUR SERVICE

16



O

-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

DESIGN CHECK



AQUILA - EAGLE - AIGLE
ADLER



BUTT WELDING
UNI EN 12627

(Standard ADLER – EX DIN 3239)

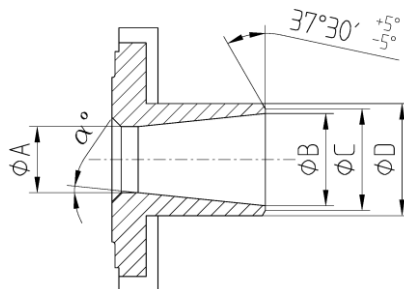


TABLE
15

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Ø A	10	10	15	19	25	30	38	51	64	76	101
Ø B	10	13	17	22	28	36.2	43	54	70	82	106
Ø C	12	15	19	24	30	38.2	45	56	72	84	108
Ø D	14	18	22	28	34	42.2	49	61	77	90	115
α °	0	5°	3°	4°	4°	7°	5°	3°	4°	5°	3°

BUTT WELDING
ANSI B 16.25

(OPTIONAL)

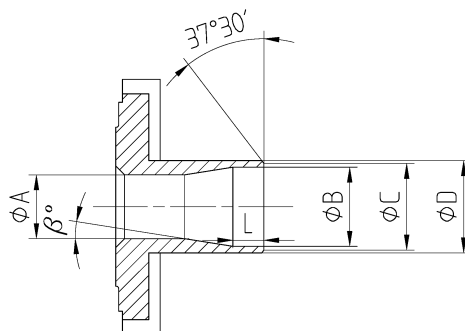


TABLE
16

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Ø A	10	10	15	19	25	30	38	51	64	76	101
Ø B	10	12,5	15,8	21	26,7	35,1	40,9	52,5	62,7	77,9	102,3
Ø C	11,6	14,1	17,4	22,6	28,3	36,7	42,5	54,5	64,7	79,9	104,3
Ø D	14	17,5	22	27,5	34,5	43,5	50	62	73	90	114,3
L		3,5	4,2	4,3	5,1	5,4	5,6	5,9	7,8	-	9,1
β °		5°	5°	4°	3°	7°	4°	2°	2°	2°	2°

SOCKET WELDING
ADLER STANDARD

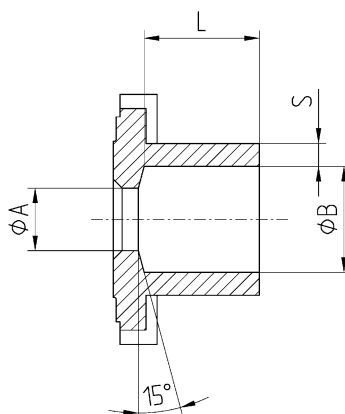


TABLE
17

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Ø A	10	10	15	19	25	30	38	51	64	76	101
Ø B	13,8	17,7	21,8	27,4	34,2	42,8	48,9	61	76,6	89,6	115,5
L	10	16,5	21	21	21	26	26,6	27,3	42,5	46	51
S	2,1	2,15	2,1	2,3	1,8	2,1	2,55	2,5	2,7	2,95	3,4