

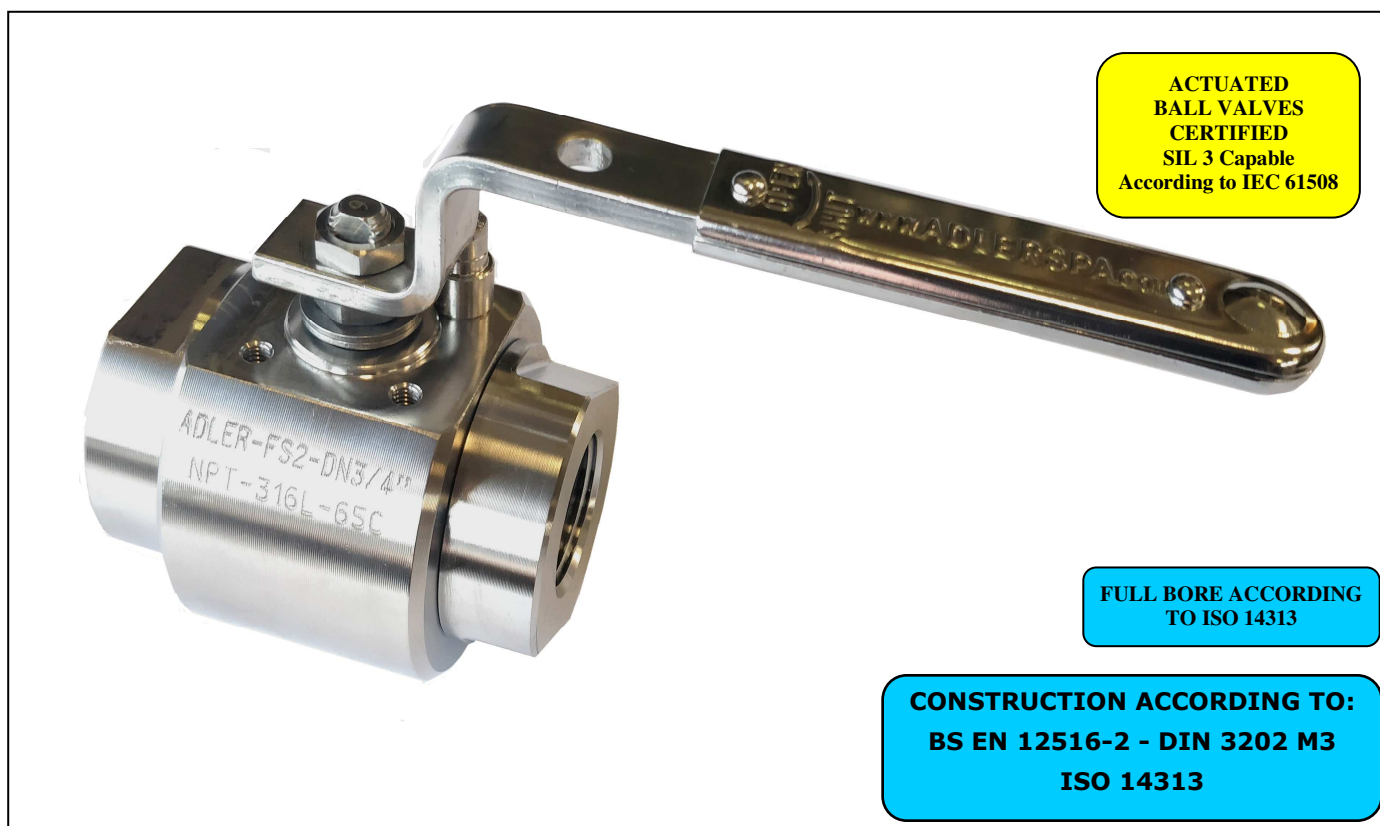
ISO 9001 by L.R.
PED DIR. 2014/68/UE by L.R.
ATEX DIR. 2014/34/UE by B.V.
FIRE SAFE EXECUTION BS6755/API 607 by L.R.
FIRE SAFE TESTED ISO 10497 by L.R.
ISO 15848 by TÜV
ANTISTATIC DEVICE by L.R.
EAC CERTIFICATION by B.V.

TYPE
FS2
PN 40 ÷ 210

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 "2 PEZZI" PASSAGGIO TOTALE

GAS ISO 7 – ANSI B1.20.1 NPT



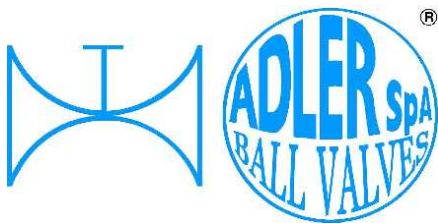
ACTUATED
BALL VALVES
CERTIFIED
SIL 3 Capable
According to IEC 61508

FULL BORE ACCORDING
TO ISO 14313

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

BALL VALVES "2 PIECE" FULL BORE
ROBINETS A BOISSEAU SPHERIQUE
"2 PIECES" PASSAGE INTEGRAL
KUGELHÄHNE "2 TEILIG" VOLLER DURCHGANG

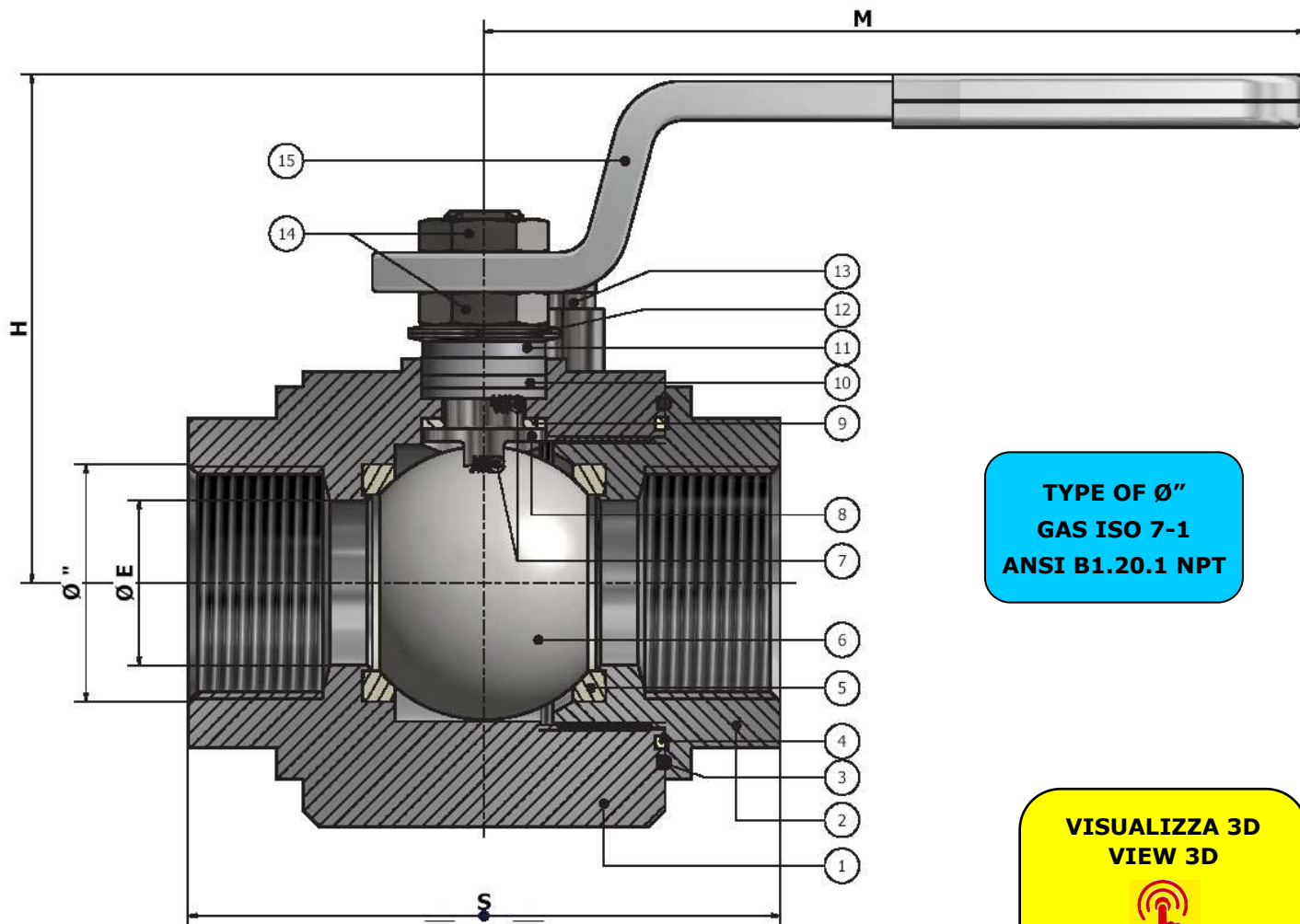
WEB SITE: WWW.ADLERSPA.COM



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 PN 40 ÷ 210

VALVOLA A SFERA "2 PEZZI" PASSAGGIO TOTALE
 BALL VALVES "2 PIECE" FULL BORE
 ROBINETS A BOISSEAU SPHERIQUE "2 PIECES" PASSAGE INTEGRAL
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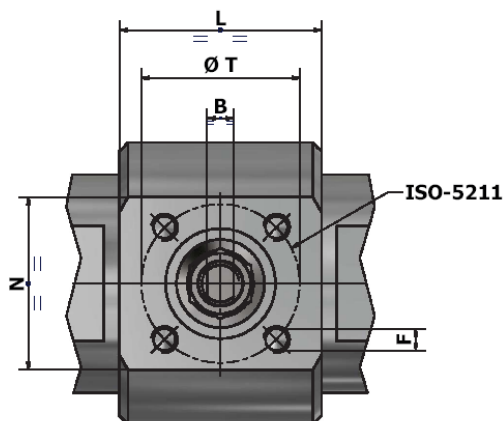
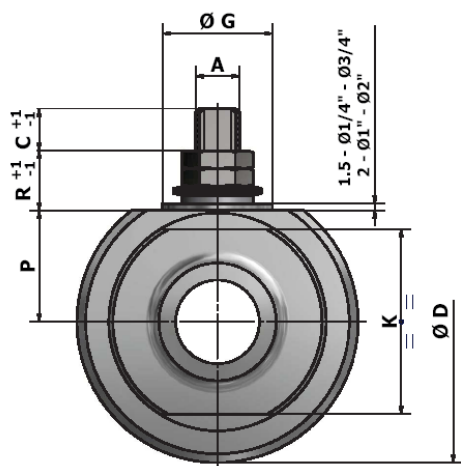


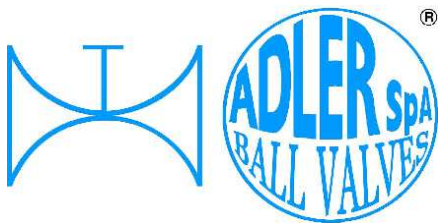
TYPE OF Ø"
 GAS ISO 7-1
 ANSI B1.20.1 NPT

VISUALIZZA 3D
 VIEW 3D



<https://adlerspa.com/prodotti/fs2>





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EAC CERTIFICATION by B.V.

TYPE
FS2
PN 40 ÷ 210

N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIAUX WERKSTOFFE
1	CORPO BODY CORPS MITTE	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L
2	GHIERA INSERT EMBOUT GEWINDEDUCKRING	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 RINFORZATA SEAT REINFORCED SIEGE RENFORCE SITZRING VERSTÄRKT	P.T.F.E. / 15% FIBERGLASS P.T.F.E. / STAINLESS STEEL
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 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. / GRAPHIT
11	PREMIBUSSOLA PRESSING BUSH PRESSE RONDELLE STOPFBUCHSDRUCKRING	ASTM A479 304
12	MOLLE A TAZZA SPRING WASHERS RONDELLES BELLEVILLE TELLERFEDERN	C72/50Cr V4 ZINCATO - GALVANIZED - X10CrNi18.8 ZINGUE - VERZINKT ON REQUEST
13	VITE DI FERMO E FERMO PIN AND STOP PIN PLOT ET PLOT D'ARRET ANSCHLAGBOLZEN	UNI3740 8.8 ZINCATO - GALVANIZED - UNI 3951 A2-70 ZINGUE - VERZINKT ON REQUEST
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

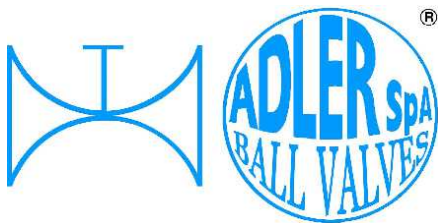
Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"				
A	8	8	10	10	12	12	16	16	22	22				
B	5	5	6	6	8	8	10	10	14	14				
C	6	6	7	7	9	9	11	11	16	16				
D	49,5	49,5	59	64	74	80	99	119	169	186				
E	10	10	15	19	25	30	38	51	64	76				
F	M5	M5	M5	M5	M5	M5	M6	M6	M8	M8				
ISO	F03	F03	F03	F03	F03	F03	F05	F05	F07	F07				
G	25	25	25	25	25	25	35	35	55	55				
H	46	46	63	65	76	80	98	108	140	148				
K	30	30	38	42	50	55	70	85	120	130				
L	33	33	42	46	55	58	71	79	129	129				
M	120	120	145	145	185	185	280	280	370	370				
N	35	35	37	38	37	35	46	50	67	71				
P	17,7	17,7	23	25,3	32	36	44	54	77,5	86				
R	12	12	14	14	16	16	19	19	23,5	23,5				
S	50	60	75	80	90	110	120	140	185	205				
T	36	36	36	36	36	36	50	50	70	70				
PN	100	100	63	63	40	40	40	40	40	40	CLASS 800			
PN	210	210	210	210	210	160	160	160	160	160	CLASS 3000			
Kg	0.6	0.65	1.2	1.4	2.2	3.2	5.2	7.8	20	26				

**A105
STANDARD**
ZINCATO
GALVANIZED
ZINGUE
VERZINKT

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



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
FS2
PN 40 ÷ 210

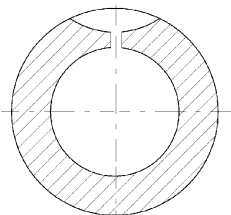
• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



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

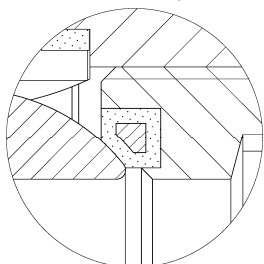


EXECUTION 6 - 16

S STANDARD

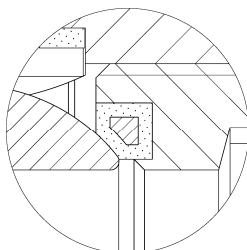
O OPTIONAL

1 PN 160 ÷ 210 **S**



-SEDI ANIMA METALLICA -SEATS WITH METAL CORE
-SIEGES AVEC AME METALLIQUE -SITZE MIT METALLKERN

2 PN 40 ÷ 100 **O**

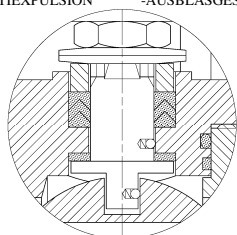


-SEDI ANIMA METALLICA -SEATS WITH METAL CORE
-SIEGES AVEC AME METALLIQUE -SITZE MIT METALLKERN



4 **S**

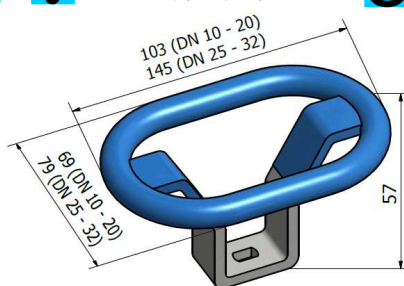
-STELO ANTI ESPULSIONE -ANTI BLOW OUT STEM
-TIGE ANTIEXPULSION -AUSBLASGESICHERETE WELLE



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

5 **O**

DN $\frac{1}{4}$ " ÷ 1 $\frac{1}{4}$ "



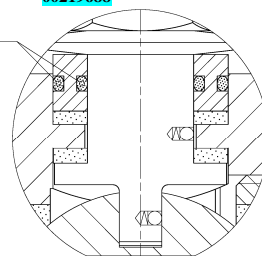
-MANIGLIA OVALE -OVAL HANDLE
-LEVIER OVAL -HANDHEBEL IN OVALFORM

6 **O**

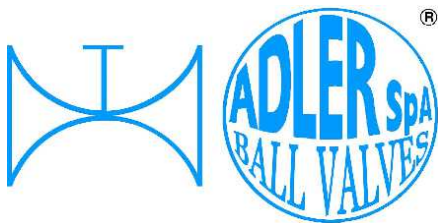
BREVETTO - PATENTED
00219688

FKM (VITON)

$\varnothing$ 1/2 ÷ 3"



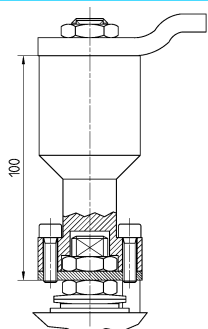
- "O" RING STELO "O" RING ON STEM
-TIGE AVEC "O" RING
-"O" RING IM SPINDELBEREICH



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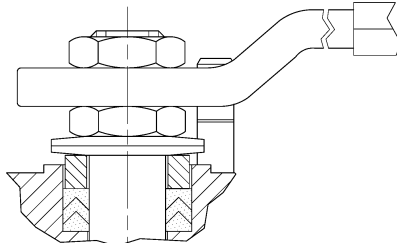
TYPE
FS2
PN 40 ÷ 210

7



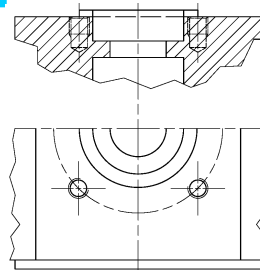
-PROLUNGA STELO -STEM EXTENSION
-TIGE PROLONGEE -SPINDELVERLÄNGERUNG

8



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

9



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

ADLER

UNA GAMMA COMPLETA
PRIVILEGIANDO LA QUALITA'

A COMPLETE RANGE PRIVILEGING
THE QUALITY

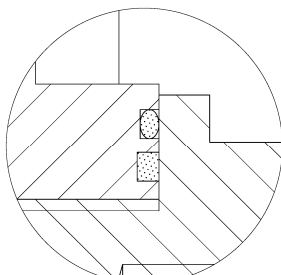


12

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



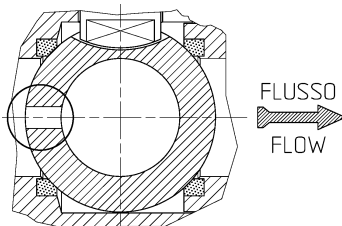
13



-DOPPIA TENUTA -DOUBLE SEALS
-DOUBLE ETANCHEITE -DOPPELTE ABDICHTUNG

14

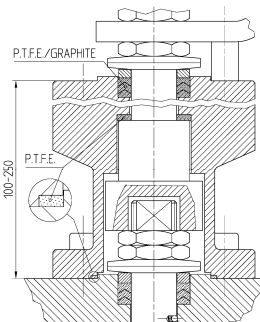
VEDERE / SEE ANSI B16.34



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

PED CERTIFICATION

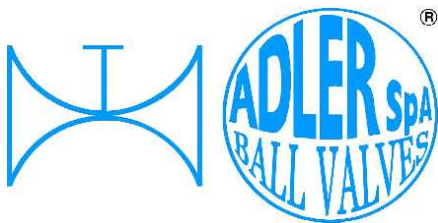


ADLER

UNA GAMMA COMPLETA
PRIVILEGIANDO LA QUALITA'

A COMPLETE RANGE PRIVILEGING
THE QUALITY



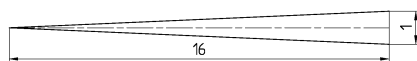


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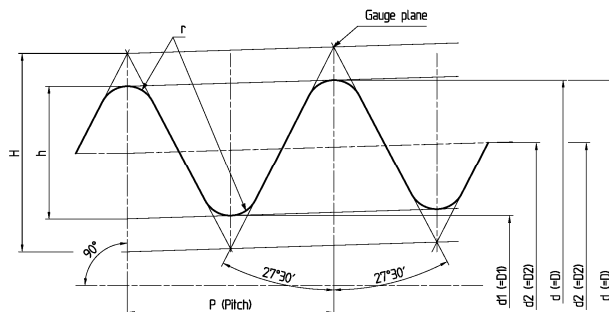
TYPE
FS2
PN 40 ÷ 210

CARATTERISTICHE DEL FILETTO - THREAD FEATURES - FILETAGE CARACTÉRISTIQUES - GEWINDE KENNDATEN

IN ACCORDANCE TO ISO 7-1 – 1994

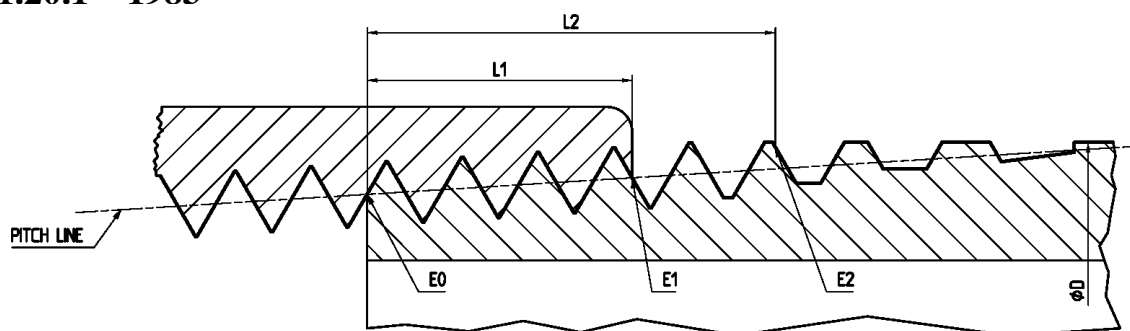


H= 0.960 237 P
h= 0.640 327 P
r= 0.137 278 P



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Designation of thread size	Number of threads in 25.4 mm	Pitch <i>P</i>	Height of thread <i>h</i>	Diameters of gauges plane			Gauges length (external threads)					Tolerance on position of gauge plan on internal thread		Length of useful external thread not less than			Fitting allowance		Diameter tolerance on parallel internal threads
				Major d	Pitch d ₂	Minor d ₁	Nominal	Tolerance ±t/2		Max.	Min.	Tolerance ±t/2		For nominal gauge length	For maximum gauge length	For minimum gauge length	2)	Turns of thread	
								2)	Turns of thread			2)	Turns of thread						
¼	19	1,337	0,856	13,15	12,30	11,44	6	1,3	1	7,3	4,7	1,7	1 ¼	9,7	11	8,4	3,7	2 ¾	±0,104
3/8	19	1,337	0,856	16,66	15,80	14,95	6,4	1,3	1	7,7	5,1	1,7	1 ¼	10,1	11,4	8,8	3,7	2 ¾	±0,104
½	14	1,814	1,162	20,95	19,79	18,63	8,2	1,8	1	10	6,4	2,3	1 ¼	13,2	15	11,4	5	2 ¾	±0,142
¾	14	1,814	1,162	26,44	25,27	24,11	9,5	1,8	1	11,3	7,7	2,3	1 ¼	14,5	16,3	12,7	5	2 ¾	±0,142
1	11	2,309	1,479	33,24	31,77	30,29	10,4	2,3	1	12,7	8,1	2,9	1 ¼	16,8	19,1	14,5	6,4	2 ¾	±0,180
1 ¼	11	2,309	1,479	41,91	40,43	38,95	12,7	2,3	1	15	10,4	2,9	1 ¼	19,1	21,4	16,8	6,4	2 ¾	±0,180
1 ½	11	2,309	1,479	47,80	46,32	44,84	12,7	2,3	1	15	10,4	2,9	1 ¼	19,1	21,4	16,8	6,4	2 ¾	±0,180
2	11	2,309	1,479	59,61	58,13	56,65	15,9	2,3	1	18,2	13,6	2,9	1 ¼	23,4	25,7	21,1	7,5	3 ¼	±0,180

IN ACCORDANCE TO ANSI B1.20.1 – 1983



1	2	3	4	5	6	7	8	9	10	11
Nominal Pipe Size	O.D. of Pipe (<i>D</i>)	Threads/inch (<i>n</i>)	Pitch of threads (<i>P</i>)	Pitch diam. at beginning of external thread (<i>E₀</i>)	Handtight engagement			Effective thread, external		
					Length ² (<i>L₁</i>)		Diam. ³ (<i>E₁</i>)	Length ⁴ (<i>L₂</i>)		Diam. ⁵ (<i>E₂</i>)
					inch	threads		inch	threads	
¼	0,540	18	0,05556	0,47739	0,2278	4,1	0,49163	0,4018	723	0,50250
3/8	0,675	18	0,05556	0,61201	0,240	4,32	0,32701	0,4078	734	0,63750
½	0,840	14	0,07143	0,75843	0,320	4,48	0,77843	0,5337	747	0,79179
¾	1,050	14	0,07143	0,96768	0,339	4,75	0,98887	0,5457	764	1,00179
1	1,315	11,5	0,0896	1,21363	0,400	4,6	1,23863	0,6828	785	1,25630
1 ¼	1,660	11,5	0,0896	1,55713	0,420	4,83	1,58338	0,7068	813	1,60130
1 ½	1,900	11,5	0,0896	1,79609	0,420	4,83	1,82237	0,7235	832	1,84130
2	2,375	11,5	0,0896	2,26902	0,436	5,01	2,29627	0,7565	870	2,31630