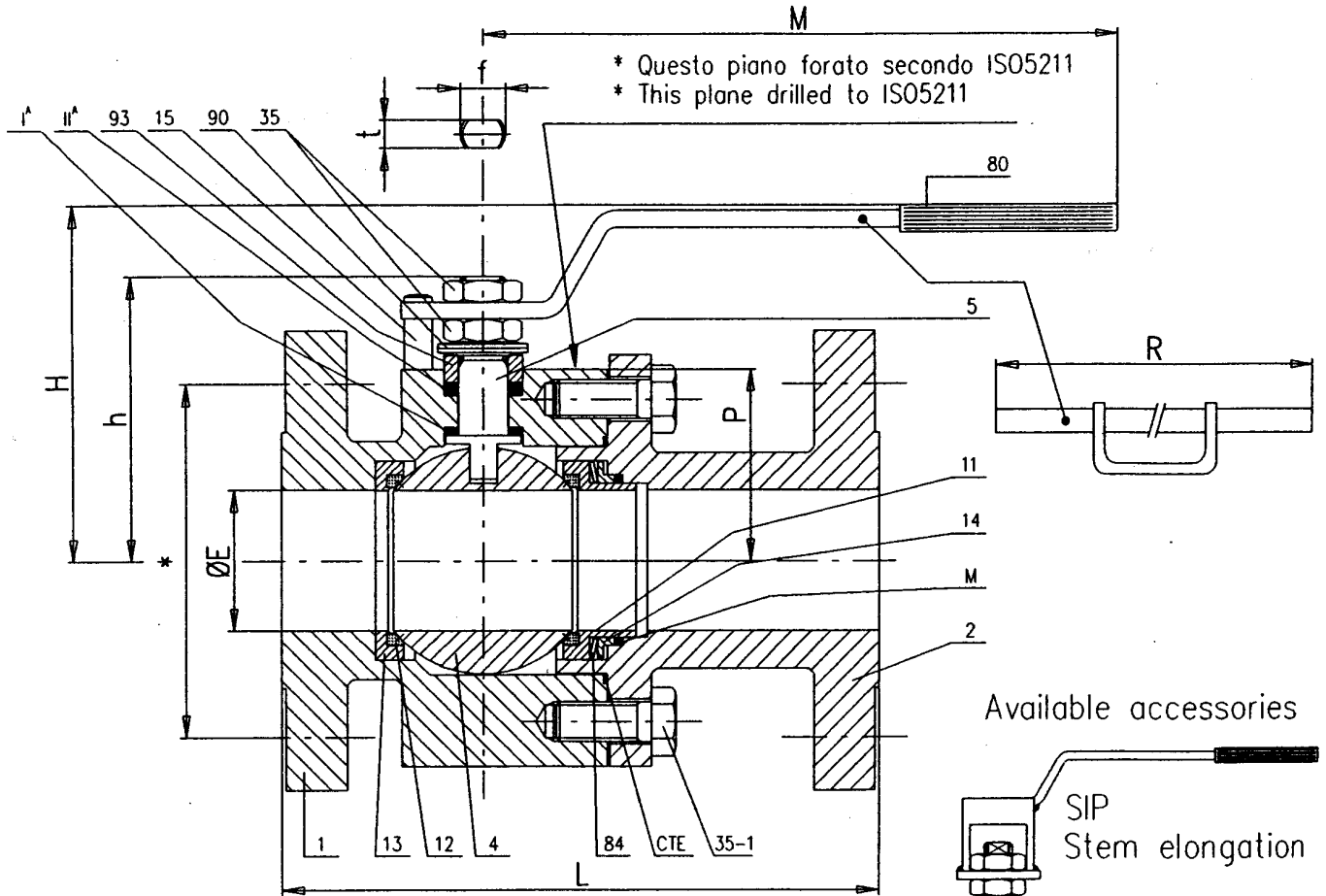


# KONWELL

**BALL VALVES full bore**

**ALFA AP 68 DN 15-150 PN16/40**

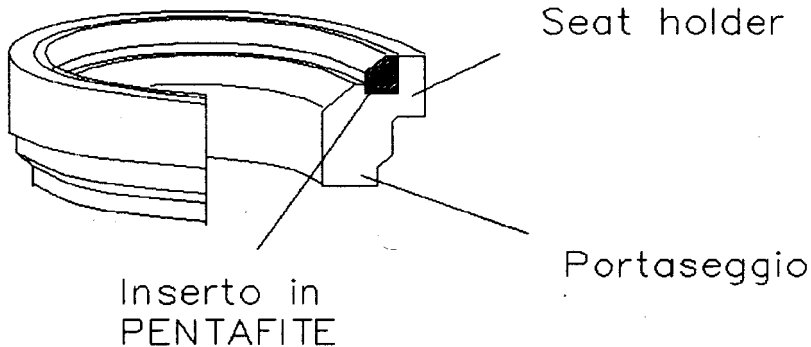


\* Estremita' secondo DIN 2635 PN40 / DIN 2633 PN16  
UNI 2284 PN40 / 2282 PN16  
\* End flanges according to DIN 2635 PN40 / 2633 PN16  
UNI 2284 PN40 / 2282 PN16

DN	15	20	25	32	40	50	65	80	100	150
ø"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
PN	PN40								PN16	
øE	14	19	24	29	38	51	65	76	102	152
L	115	120	125	130	140	150	170	180	190	350
DIN 3202	F4	F4	F4	F4	F4	F4	F4	F4	F4	F5
M	145	145	180	180	275	275	380	380	440	-
R	-	-	-	-	-	-	-	-	500	800
H	64	66	85	90	118	128	139	144	200	265
h	52	55	70	73	96	103	122	128	157	220
P	33	36	43	48	63	68.5	82	88.5	111	153
f/t	10/6	10/6	12/8	12/8	16/10	16/10	22/14	22/14	30/18	45/30
Kg	2.7	3	5.5	6.8	10.5	15.5	21	25	38	70
ISO 5211	F03	F03	F03	F03	F05	F05	F07	F07	F10	F14

MATERIALI BASE - BASE MATERIALS				
CTE	Body connector gasket	Grafoil	Grafoil	Grafoil
M	Seat gasket	Grafoil	Grafoil	Grafoil
II <sup>A</sup>	Secondary stem seal	Grafoil	Grafoil	Grafoil
I <sup>A</sup>	Primary stem seal	Grafoil	Grafoil	Grafoil
93	Gland	CF9SMnPb36	CF9SMnPb36	CF9SMnPb36
90	Stem spring	AISI 301	AISI 301	AISI 301
84	Seat spring	AISI 301	AISI 301	AISI 301
80	Handle	Fe37 UNI7070	Fe37 UNI7070	Fe37 UNI7070
35-1	Body/Connector Bolts	B7 / 2H	B8 /GR.8	B8 /GR.8
35	Nut	Gr.3S UNI3740	Gr.3S UNI3740	Gr.3S UNI3740
15	Lever stopper	Gr.8.8 UNI3740	Gr.8.8 UNI3740	Gr.8.8 UNI3740
14	Compression ring	316 s.s.	304 s.s.	316 s.s.
13	Body seat holder	316 s.s.	304 s.s.	316 s.s.
12	Seal	PENTAFITE	PENTAFITE	PENTAFITE
11	Conn. seat holder	316 s.s.	304 s.s.	316 s.s.
5	Stem	420 s.s.	17/4PH	17/4PH
-	Ball Coating	HTC	HTC	HTC
4	Ball	316 s.s.	304 s.s.	316 s.s.
2	Connector	A105	304 s.s.	316 s.s.
1	Body	A105	304 s.s.	316 s.s.
P.No.	Parte - Part Name	Materiale - Material		

## PENTAFITE seat insert



### WHAT IS PENTAFITE

PENTAFITE is a metallic compound with metallic matrix and fine dispersion of solid lubricant inside. It is obtained by a manufacturing process similar to sintering which, starting from fine powders of the single component, is possible to produce the metallic rings that form the seat insert for our metal seated ball valves for high temperature/high pressure services.

	Caratteristiche - Features	
Secondo ANSI B16.34 Riduzione pari a 1 diametro nominale per valvole passaggio ridotto (con esclusione DN 1½" ridotto a 1")	- Diametri passaggio Port	Acc. to ANSI B16.34 Reduction of 1 Nominal Diameter in reduced bore construction (with exception of DN1½ reduced to 1")
V. Intervallo produzione / BIDIREZIONALI	- Range / Costruzione Range / Construction	See Production Range / BI-Directional
Secondo ANSI B16.34	- Ratings Ratings	Acc. to ANSI B16.34
Flangiate ANSI B16.34 - DIN 3202 SW ANSI B16.11 (solo AP22) NPT ANSI/ASME B1.20.1 (solo AP22)	- Estremità End Connections	Flanged ANSI B16.34 - DIN 3202 SW ANSI B16.11 (AP22 only) NPT ANSI/ASME B1.20.1 (AP22 only)
ANSI B16.10	- Scartamenti Face to Face	ANSI B16.10
ANSI B16.34 ASME VIII Div. 1	- Dimensionamento Bulloneria Bolt calculation - Dimensionamento Flange Flange calculation	ANSI B16.34 ASME VIII Div. 1
A leva fino a DN 4" per Classe 150 DN 3" per Classe 300 DN 2" per Classe 600  Riduttore manuale per diametri superiori Disponibili attuatori pneumatici, idraulici ed elettrici	- Comandi Operators	Lever DN 4" Class 150 Lb up to DN 3" Class 300 Lb DN 2" Class 600 Lb  Manual gear operators for bigger sizes Pneumatic, Hydraulic and Electric actuators available
Massimo sforzo per comando a leva	350 N	maximum Force on Lever operated valves
Secondo ISO 5211	- Top mounting Top mounting	According to ISO 5211
Procedura: ANSI B16.34 - Altre procedure a richiesta Accettabilità: Nessuna perdita	- Collaudi finali Pressure Test	Acc. to ANSI B16.34 - Other procedures according Customer requirements Acceptance: No leakage
+450° C.  -100° C.	- Max. temperatura di esercizio Max. working temperature - Min. temperatura di esercizio Min. working temperature	+450° C.  -100° C.
In accordo rating di ANSI B16.34	- Max. pressione di esercizio Max. working pressure	Rating according to ANSI B16.34
Intrinseco nella costruzione	- Antistatic design Antistatic design	Intrinsecal in the construction
BS 6755 Parte 2 API RP6F	- Fire-safe Fire-safe	BS 6755 Parte 2 API RP6F
Intrinseco nella costruzione	- Anti blow-out stem Anti blow-out stem	Intrinsecal in the construction
Vedi singoli Data-Sheet	- Materiali di costruzione Material of construction	See relevant Data-Sheets
Massimo numero di manovre tra due manutenzioni	5000	Maximum number of operations before maintenance