

## BX DATI TECNICI DEI RACCORDI AD OGIVA INOX AISI 316 DIN 2353

### BX AISI 316 TECHNICAL DATA COMPRESSION FITTINGS DIN 2353

**Fluido**  
*Fluid* **Aria compressa, olio, acqua ed altri fluidi aggressivi compatibili con i materiali costituenti i raccordi**  
*Compressed air, oil, water and other chemical fluids compatible with fittings materials*

**Pressione di esercizio**  
*Working pressure* **250 Bar**  
 250 Bar

**Temperatura di utilizzo**  
*Temperature range* **Fino a 400°C**  
 Up to 400°C

**Applicazioni**  
*Applications* **1)Alimentare 2)Chimico 3 )Automotive 4)Petrolifera 5 )Navale**  
 1)Food 2)Chemical 3)Automotive 4)Fuel heating 5)Naval

**Tubi consigliati**  
**Acciaio INOX temprato senza saldature secondo lo standard ASTM 213, ASTM 269 o equivalente**  
**I tubi devono essere compatibili con il fluido di processo, la pressione e la temperatura relativa e non devono avere una durezza che ecceda i 90 Rb.**

*Recommended tubes* *Stainless steel annealed seamless tubing according to standard ASTM 213, ASTM 269 or equivalent.*  
*The tubes should be compatible with process fluid, pressure and temperature.*  
*The hardness of tubes should not exceed 90 Rb.*

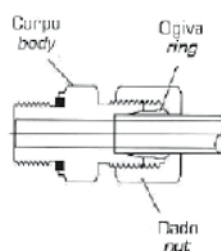
**Materiali**  
*Materials* **Inox AISI 316**  
 Stainless Steel AISI 316

**Filettature**  
**Conica BSPT BS21, ISO 7/1**  
**Maschio Cilindrica BSPP DIN 3852,**  
**Tipo B BS 2779, ISO 228/1**  
**Femmina Cilindrica BSPP DIN 3852**  
**Tipo Y, BS 2779 ISO 228/1**  
*Threads* *Taper BSPT BS21, ISO 7/1*  
*Male cylindrical BSPP DIN 3852,*  
*Form B BS 2779, ISO 228/1*  
*Female cylindrical BSPP DIN 3852,*  
*Form Y, BS 2779 ISO 228/1*

**Diametri**  
*Diameters* **da 6 mm a 15 mm**  
 from 6 mm to 15 mm

**Filettature**  
*Threads* **da 1/8" a 3/4"**  
 from 1/8" to 3/4"

#### SEZIONE INTERNA • Construction



Tenute senza perdite garantite dall'azione dell'ogiva su tubo e corpo del raccordo  
*leak free seal by ring on tube and body*

Tolleranze accurate delle dimensioni del dado e del corpo per un allineamento preciso  
*close tolerance of nut and body dimensions for precise alignment*

**Tutti i raccordi sono disponibili su richiesta anche nelle misure 18 mm. 22 mm. e 28mm. e con filetti NPT & tubo in pollici**  
*On demand all fittings are available also with sizes 18 mm. 22 mm. & 28mm. and with NPT threads & inch size tube*

## **BX RACCORDI AD OGIVA INOX AISI 316 DIN 2353** *BX COMPRESSION FITTINGS INOX AISI 316 DIN 2353*

### **1 ISTRUZIONI PER IL CORRETTO ASSEMBLAGGIO DEI RACCORDI**

**Assicurarsi che il tubo abbia un taglio a 90° con una tolleranza di  $\pm 1/2^\circ$  sull'asse del tubo eliminando eventuali bave e spigoli presenti.**

**Lubrificare il filetto, la parte svasata del corpo, l'ogiva ed il filetto del dado.**

**Calzare il dado e l'ogiva sull'estremità del tubo da inserire.**

**Avvitare il dado manualmente sul corpo del raccordo mantenendo il tubo in posizione di completo inserimento.**

**Eeguire il serraggio finale stringendo a chiave il dado per un 11/2 come mostrato in fig. A**

**Allentare il dado, rimuovere il tubo dal raccordo e controllare il funzionamento del tagliente. Dovrà essersi creata una scanalatura in prossimità del tagliente dell'ogiva.**

**Non è necessario che l'ogiva sia immobile sul tubo.**

**Assemblaggio finale: Stringere il dado fino a che non si sia ottenuta una sufficiente coppia di torsione.**

#### **Riassemblaggio:**

**Ogni volta che il raccordo viene smontato, il dado deve essere stretto di nuovo fermamente utilizzando la stessa coppia torsionale richiesta per l'assemblaggio finale**

#### *INSTRUCTION FOR RIGHT FITTINGS ASSEMBLY*

*Ensure that the end of the tube is cut square within  $\pm 1/2^\circ$  angle to the tube axis, and remove eventual burrs and sharp edges.*

*Lubricate the thread and cone of the fitting body, ring and thread of the nut.*

*Insert the nut and the ring over the tube end.*

*Screw on nut manually on to fittings body until finger tight, hold tube against the shoulder in the cone of the fitting body.*

*Tighten the nut with wrench 11/2 turn from the finger tight position as shown in fig. A.*

*Loosen the nut, remove the tube from the fitting, check penetration of cutting edge. A visible collar fills space in front of first cutting edge completely. It does not matter even ring rotate on tube end.*

*Final assembly: tighten the nut until a sharp condition rise in torque is felt.*

#### *Reassembly:*

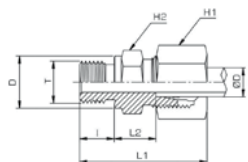
*Each time the fitting is disassembled, the nut must be retightened firmly using the same torque as required for final assembly.*



**BX51**



**NEW**



**DIRITTO MASCHIO CILINDRICO BSPP**

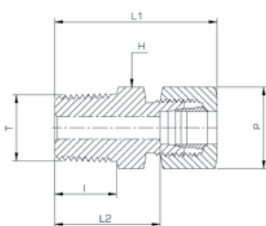
**MALE STRAIGHT PARALLEL BSPP**

Codice/Code	G	ØOD	L1	L2	I	D	H1	H2				
<b>BX511806</b>	G1/8"	6	23	8,5	8	14	14	14				1
<b>BX511406</b>	G1/4"	6	25	10,0	12	18	14	19				1
<b>BX513806</b>	G3/8"	6	26	11,5	12	22	14	22				1
<b>BX511206</b>	G1/2"	6	27	12,0	14	26	14	27				1
<b>BX511808</b>	G1/8"	8	24	9,5	8	14	17	14				1
<b>BX511408</b>	G1/4"	8	25	10,0	12	18	17	19				1
<b>BX513808</b>	G1/8"	8	26	11,5	12	22	17	22				1
<b>BX511208</b>	G1/2"	8	27	12,0	14	26	17	27				1
<b>BX511410</b>	G1/4"	10	26	11,0	12	18	19	19				1
<b>BX513810</b>	G3/8"	10	27	12,5	12	22	19	22				1
<b>BX511210</b>	G1/2"	10	28	13,0	14	26	19	27				1
<b>BX511412</b>	G1/4"	12	27	12,0	12	18	22	19				1
<b>BX513812</b>	G3/8"	12	27	12,5	12	22	22	22				1
<b>BX511212</b>	G1/2"	12	28	13,0	14	26	22	27				1
<b>BX513412</b>	G3/4"	12	29	14,0	16	32	22	32				1
<b>BX513815</b>	G3/8"	15	29	13,5	12	22	27	24				1
<b>BX511215</b>	G1/2"	15	29	14,0	14	26	27	27				1
<b>BX513415</b>	G3/4"	15	30	15,0	16	32	27	32				1

**BX51K**



**NEW**



**DIRITTO MASCHIO CONICO BSPT**

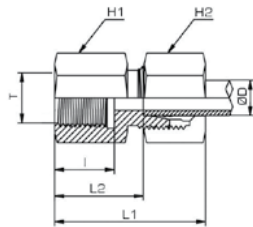
**MALE STRAIGHT TAPER BSPT**

Codice/Code	G	ØOD	I	L1	L2	P	H					
<b>BX51K1806</b>	R1/8"	6	8	30	15	14	12					1
<b>BX51K1408</b>	R1/4"	8	12	35	20	17	17					1
<b>BX51K1410</b>	R1/4"	10	12	36	21	19	17					1
<b>BX51K1412</b>	R1/4"	12	12	37	22	22	19					1
<b>BX51K3815</b>	R3/8"	15	12	38	23	27	24					1
<b>BX51K1215</b>	R1/2"	15	14	40	25	27	24					1

**BX52**



**NEW**



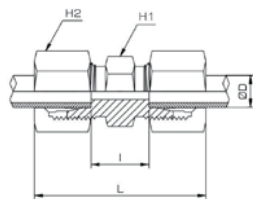
**DIRITTO FEMMINA CILINDRICO BSPP**  
**FEMALE STRAIGHT PARALLEL BSPP**

Codice/Code	G	ØOD	L1	L2	I	H1	H2												
BX521806	G1/8"	6	34	19,0	12	14	14												1
BX521408	G1/4"	8	39	24,0	17	19	17												1
BX523808	G3/8"	8	40	25,0	17	24	17												1
BX521208	G1/2"	8	44	29,0	20	27	17												1
BX521410	G1/4"	10	40	25,0	17	19	19												1
BX523810	G3/8"	10	41	26,0	17	24	19												1
BX521210	G1/2"	10	45	30,0	20	27	19												1
BX523812	G3/8"	12	41	26,0	17	24	22												1
BX521212	G1/2"	12	45	30,0	20	27	22												1
BX521215	G1/2"	15	46	31,0	20	27	27												1

**BX53**



**NEW**



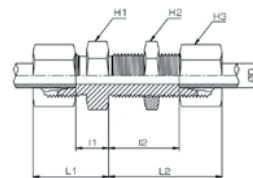
**DIRITTO INTERMEDIO**  
**STRAIGHT INTERMEDIATE**

Codice/Code	ØOD	L	I	H1	H2														
BX530006	6	39	10	12	14														1
BX530008	8	40	11	14	17														1
BX530010	10	42	13	17	19														1
BX530012	12	43	14	19	22														1
BX530015	15	46	16	24	27														1

**BX54**



**NEW**



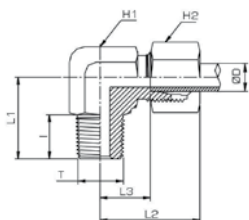
**PASSALAMIERA**  
**UNION BULKHEAD**

Codice/Code	ØOD	L1	I1	L2	I2	H1	H2	H3											
BX540006	6	22	7	42	27	17	17	14											1
BX540008	8	23	8	42	27	19	19	17											1
BX540010	10	25	10	43	28	22	22	19											1
BX540012	12	25	10	44	29	24	24	22											1
BX540015	15	27	12	46	31	27	27	27											1

**BX55K**



**NEW**



**GOMITO MASCHIO CONICO BSPT**

**ELBOW MALE TAPER BSPT**

Codice/Code	G	ØOD	L1	L2	L3	I	H1	H2						
* BX55K1806	R 1/8"	6	20	27	12,0	9,9	12	14						1
* BX55K1406	R 1/4"	6	26	31	17,0	12,5	13	14						1
* BX55K1808	R 1/8"	8	21	31	16,5	10,5	13	17						1
BX55K1408	R 1/4"	8	26	29	14,0	15,1	14	17						1
BX55K1410	R 1/4"	10	27	30	15,0	15,1	17	19						1
BX55K3810	R 3/8"	10	28	32	17,0	15,2	19	22						1
BX55K3812	R 3/8"	12	34	35	19,8	21	19	27						1
BX55K1215	R 1/2"	15	34,5	40	23,0	20	19	27						1

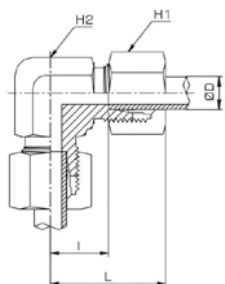
\* BX55K1806  
 \* BX55K1406  
 \* BX55K1808

**NON CONFORMI ALLA NORMATIVA DIN 2353**  
 NOT CONFORMITY WITH THE DIRECTIVE DIN 2353

**BX56**



**NEW**



**L INTERMEDIO**

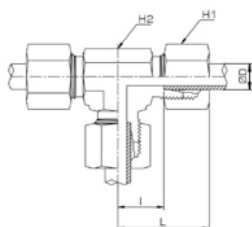
**L INTERMEDIATE**

Codice/Code	ØOD	L	I	H1	H2									
BX560006	6	27	12	14	12									1
BX560008	8	29	14	17	12									1
BX560010	10	30	15	19	14									1
BX560012	12	32	17	22	17									1
BX560015	15	36	21	27	19									1

**BX59**



**NEW**



**T INTERMEDIO**

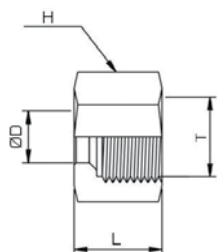
**T INTERMEDIATE**

Codice/Code	ØOD	L	I	H1	H2									
BX590006	6	27	12	14	12									1
BX590008	8	29	14	17	12									1
BX590010	10	30	15	19	14									1
BX590012	12	32	17	22	17									1
BX590015	15	36	21	27	19									1

**BX60**

**DADO**

**NUT**



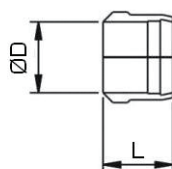
Codice/Code	ØOD	M	L	H														
BX600006	6	M12x1,5	15	14														1
BX600008	8	M14x1,5	15	17														1
BX600010	10	M16x1,5	16	19														1
BX600012	12	M18x1,5	16	22														1
BX600015	15	M22x1,5	17,5	27														1

**NEW**

**BX61**

**OGIVA**

**OGIVE**



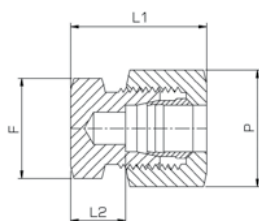
Codice/Code	ØOD	L																
BX610006	6	9,5																1
BX610008	8	9,5																1
BX610010	10	10,0																1
BX610012	12	10,0																1
BX610015	15	10																1

**NEW**

**BX63**

**TAPPO FEMMINA**

**FEMALE PLUG**



Codice/Code	ØOD	L1	L2	F	P													
BX630006	6	22	7	12	14													1
BX630008	8	23	8	14	17													1
BX630010	10	24,0	9	17	19													1
BX630012	12	25,0	10	19	22													1
BX630015	15	26	11	24	27													1

**NEW**

## DATI TECNICI DEI RACCORDI A CALZAMENTO INOX AISI 316

### INOX AISI 316 QUICK FITTINGS TECHNICAL DATA

<b>Fluido</b> <i>Fluid</i>	<b>Aria compressa, acqua ed altri fluidi aggressivi compatibili con i materiali costituenti i raccordi</b> <i>Compressed air, water and other chemical fluids compatible with fittings materials</i>				
<b>Pressione di esercizio</b> <i>Working pressure</i>	<b>25 Bar a 20°C</b> <i>25 Bar at 20°C</i>				
<b>Temperatura di utilizzo</b> <i>Temperature range</i>	<b>Da -40°C a +180°C</b> <i>From -40°C to +180°C</i>				
<b>Applicazioni in pneumatica</b> <i>Applications in pneumatic</i>	<b>1)Alimentare</b> <i>1)Food</i>	<b>2)Chimico</b> <i>2)Chemical</i>	<b>3 )Cosmetico</b> <i>3)Cosmetics</i>	<b>4)Farmaceutico</b> <i>4)Pharmaceutical</i>	<b>5 )Navale e oleodinamica</b> <i>5)Naval and hydraulic</i>
<b>Tubi consigliati</b> <i>Recommended tubes</i>	<b>1)PTFE</b> <i>1)PTFE</i>	<b>2 )Polietilene</b> <i>2)Polyethylene</i>			
<b>Tolleranze del tubo</b> <i>Tube tolerances</i>	<b>+/- 0.10 mm</b> <i>+/- 0.10 mm</i>				
<b>Materiali</b> <i>Materials</i>	<b>Corpo e dado in Acciaio AISI 316</b> <b>Guarnizioni per raccordi girevoli FKM (Viton)</b> <i>Body and nut stainless steel AISI 316</i> <i>O-ring for rotating body FKM (viton)</i>				
<b>Filettatura</b> <i>Thread types</i>	<b>Iso 228 BSPP cilindrica e Din 3858 BSPT conica</b> <i>Iso 228 BSPP parallel and Din 3858 BSPT taper</i>				
<b>Diametri e filetti</b> <i>Threads and diameters</i>	<b>Da 6 mm a 12 mm da 1/8" a 1/2"</b> <i>From 6 mm to 12 mm From 1/8" to 1/2"</i>				