

Series: IRBO Brass

ISO B Brass - VITON

Technical Features and Options

- Interchangeability: ISO 7241-1 series "B"
- Valve system: Poppet valve
- Mechanical connection: Locking balls
- Connection system: Pulling back the sleeve and pushing one half towards the other
- Disconnection system: Pulling back the sleeve
- Connection with residual pressure: Not allowed
- Disconnection with residual pressure: Not allowed
- Threads available: BSP, NPT
- On request: Free flow version (no valving)
- Temperature range:
Standard seals VITON: from -15°C to +180°C (from +5°F to +356°F).
NBR (Nitrile) seals: from -20°C to +100°C (from -4°F to +212°F).
EPDM (Ethylene Propylene) seals: from -40°C to +150°C (from -40°F to +302°F).

Materials

Construction material: Brass
Springs: AISI 302
Balls: AISI 316
Seals: standard in VITON
Seals on request: NBR, EPDM
Anti-extrusion rings: PTFE



How To Use

- Before connecting, clean the mating parts of the couplings to avoid contamination into the circuit.
- To couple pull back the sleeve of the female coupling, align the female with the male coupling and push one into the other until both halves are fully connected and release the sleeve.
- To uncouple pull back the sleeve of the female coupling, pull out the male half.

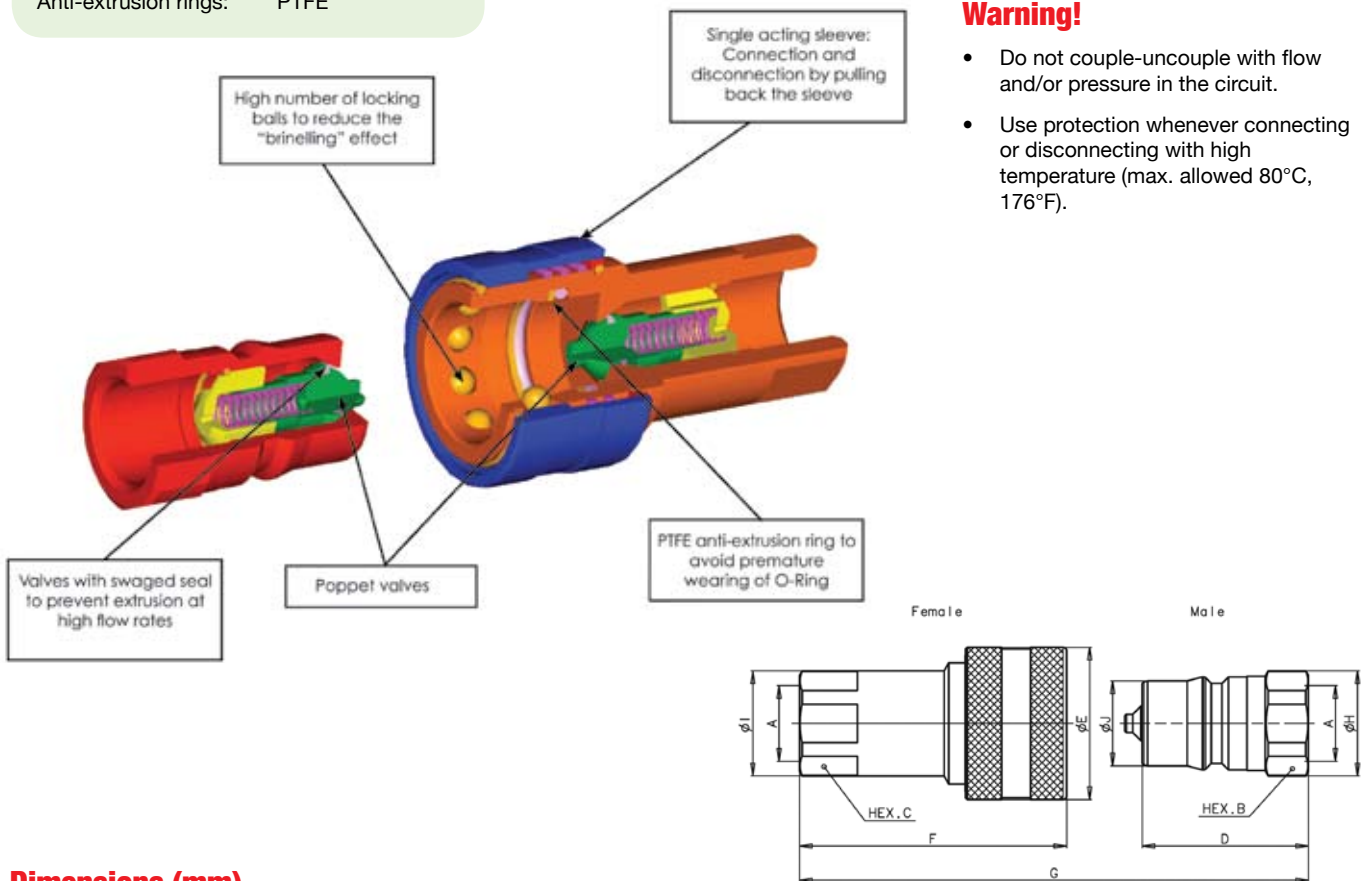
Warning!

- Do not couple-uncouple with flow and/or pressure in the circuit.
- Use protection whenever connecting or disconnecting with high temperature (max. allowed 80°C, 176°F).

QUICK CONNECT COUPLINGS



Stucchi®



Dimensions (mm)

	A	B	C	D	E	F	G	H	I	J	Weight	Male	Female
IRBO18 BSP	1/8	14	14	30	23	48,8	60,5	15,8	15,8	10,8	Kg	0,018	0,069
IRBO14 BSP	1/4	19	19	35	27	57	70,7	20,8	21,2	14,2	Kg	0,038	0,131
IRBO38 BSP	3/8	24	24	41	34	66	82,7	26	27	19,1	Kg	0,072	0,236
IRBO12 BSP	1/2	27	27	46	42	73,9	92,6	29	29	23,5	Kg	0,110	0,344
IRBO34 BSP	3/4	36	36	55	50	90,1	111,1	38,5	38,5	31,4	Kg	0,218	0,605
IRBO100 BSP	1	41	41	66	60	106,2	133,2	44,8	44,8	37,7	Kg	0,353	0,926



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Performance

	Size	ISO Size	Max. flow suggested		Connect force		Disconnect force		Spillage*
	Inch	mm	l/min	GPM	N	lbf	N	lbf	ml
IRBO18	1/8	5,0	6	1,59	75	16,88	35	7,88	0,18
IRBO14	1/4	6,3	24	6,36	60	13,50	30	6,75	0,33
IRBO38	3/8	10,0	46	12,19	95	21,38	35	7,88	2,20
IRBO12	1/2	12,5	90	23,85	95	21,38	35	7,88	3,00
IRBO34	3/4	20,0	148	39,22	125	28,13	40	9,00	9,40
IRBO100	1	25,0	200	53,00	140	31,50	40	9,00	14,00

* Spillage is an indicative value of the fluid loss per couple-uncouple cycle.

	Max. operating pressure						Burst pressure					
	Coupled		Male		Female		Coupled		Male		Female	
	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
IRBO18	20	2900	20	2900	20	2900	100	14500	100	14500	100	14500
IRBO14	20	2900	20	2900	20	2900	100	14500	100	14500	100	14500
IRBO38	16	2320	16	2320	16	2320	80	11600	70	10150	80	11600
IRBO12	16	2320	16	2320	16	2320	80	11600	70	10150	80	11600
IRBO34	12,5	1813	12,5	1813	12,5	1813	60	8700	45	6525	60	8700
IRBO100	10	1450	10	1450	10	1450	40	5800	40	5800	40	5800

Article no.	Description	Price £	Price €
BSP THREAD VITON SEALS			
804500100	F. IRBO18V BSP	£18.10	€18.60
804500101	M. IRBO18V BSP	£8.30	€9.10
804500102	F. IRBO14V BSP	£18.50	€20.40
804500103	M. IRBO14V BSP	£8.30	€9.10
804500104	F. IRBO38V BSP	£24.90	€27.40
804500105	M. IRBO38V BSP	£9.20	€10.10
804500106	F. IRBO12V BSP	£29.80	€32.80
804500107	M. IRBO12V BSP	£10.20	€11.20
804500108	F. IRBO34V BSP	£53.40	€58.70
804500109	M. IRBO34V BSP	£28.10	€31.00
804500110	F. IRBO100V BSP	£86.00	€94.60
804500111	M. IRBO100V BSP	£42.90	€47.20
BSP THREAD FREE FLOW VERSION			
804500116	F. IRBO38VPL BSP	£29.60	€30.50
804500117	M. IRBO38PL BSP	£12.10	€12.40
804500118	F. IRBO12VPL BSP	£33.70	€34.70
804500119	M. IRBO12PL BSP	£13.20	€13.60
804500120	F. IRBO34VPL BSP	£61.20	€63.10
804500121	M. IRBO34PL BSP	£32.50	€33.60

Article no.	Description	Price £	Price €
BSP THREAD EPDM SEALS			
804500200	F. IRBO18E BSP	£28.70	€29.60
804500201	M. IRBO18E BSP	£13.20	€13.60
804500202	F. IRBO14E BSP	£27.60	€28.50
804500203	M. IRBO14E BSP	£12.70	€13.10
804500204	F. IRBO38E BSP	£33.20	€34.20
804500205	M. IRBO38E BSP	£13.60	€14.00
804500206	F. IRBO12E BSP	£38.30	€39.50
804500207	M. IRBO12E BSP	£15.00	€15.40
804500208	F. IRBO34E BSP	£68.00	€70.20
804500209	M. IRBO34E BSP	£36.20	€37.30
804500210	F. IRBO100E BSP	£108.40	€111.80
804500211	M. IRBO100E BSP	£54.20	€55.90
NPT THREAD			
804501202	F. IRBO14E NPT	£26.80	€29.40
804501203	M. IRBO14E NPT	£12.30	€13.60
804501206	F. IRBO12E NPT	£37.00	€40.70
804501207	M. IRBO12E NPT	£14.50	€15.90
804501208	F. IRBO34E NPT	£65.80	€72.30
804501209	M. IRBO34E NPT	£35.00	€38.50
804501210	F. IRBO100E NPT	£104.60	€115.00
804501211	M. IRBO100E NPT	£52.40	€57.70
NPT THREAD VITON SEAL			
804501102	F. IRBO14V NPT	£34.90	€36.00
804501103	M. IRBO14V NPT	£13.30	€13.70

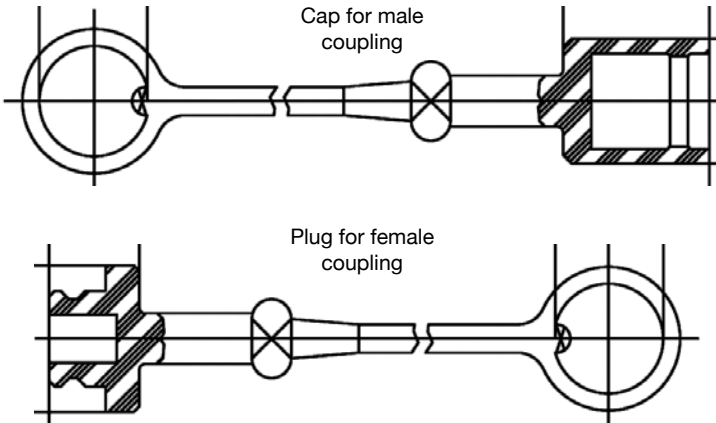
Protection Caps ISO 'B' IRB Series

Red dust caps are standard

Protective caps are always recommended to protect the couplings from damage, dirt inclusion, and will increase the product life. The protective caps for IRBX series are manufactured in PVC with connection lanyard (standard color red)



QUICK CONNECT COUPLINGS



Article no.	Description	Price £	Price €
RED CAP FOR ISO B			
815000032	PLUG F. IRB14 RED	£1.90	€2.00
815000033	CAP M. IRB14 RED	£1.90	€2.00
815000034	PLUG F. IRB38 RED	£1.90	€2.00
815000035	CAP M. IRB38 RED	£1.90	€2.00
815000036	PLUG F. IRB12 RED	£1.90	€2.00
815000037	CAP M. IRB12 RED	£1.90	€2.00
815000038	PLUG F. IRB34 RED	£2.10	€2.20
815000039	CAP M. IRB34 RED	£2.10	€2.20
815000040	PLUG F. IRB100 RED	£2.70	€2.80
815000041	CAP M. IRB100 RED	£2.70	€2.80

