



IB SERIES

ISO B COUPLERS MADE TO THE ISO 7241:2023 SERIES B

The IB Series ISO B Quick Couplings are engineered to meet the rigorous requirements of the ISO 7241 Series B standard, providing a reliable and versatile solution for a wide range of hydraulic applications. These couplings are designed for secure, leakfree connections, ensuring optimal performance in demanding environments. Made from high-quality materials, the IB Series couplings offer excellent durability and long-term reliability.



Series IB // Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel, Zinc-Plating
Standard Seal Material(s)	NBR (Buna-N®) ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Agricultural, Mobile, Construction, Industrial Hydraulic
ISO Interchange	ISO 7241-1, Series B

² Alternative seal materials are available on request.

Features

- Accepts ISO 7241-1, Series B compliant nipples
- Poppet valves along with a metal to metal valve stop maintains valve alignment and prevents flow checking
- Also available brass IBB Series and Stainless steel IBS Series
- Sleeve and steel nipple body are hardened to be wear resistant
- Locking ball system allows quick connection
- Optional Sleeve-Lok and alternative seal materials available

Applications

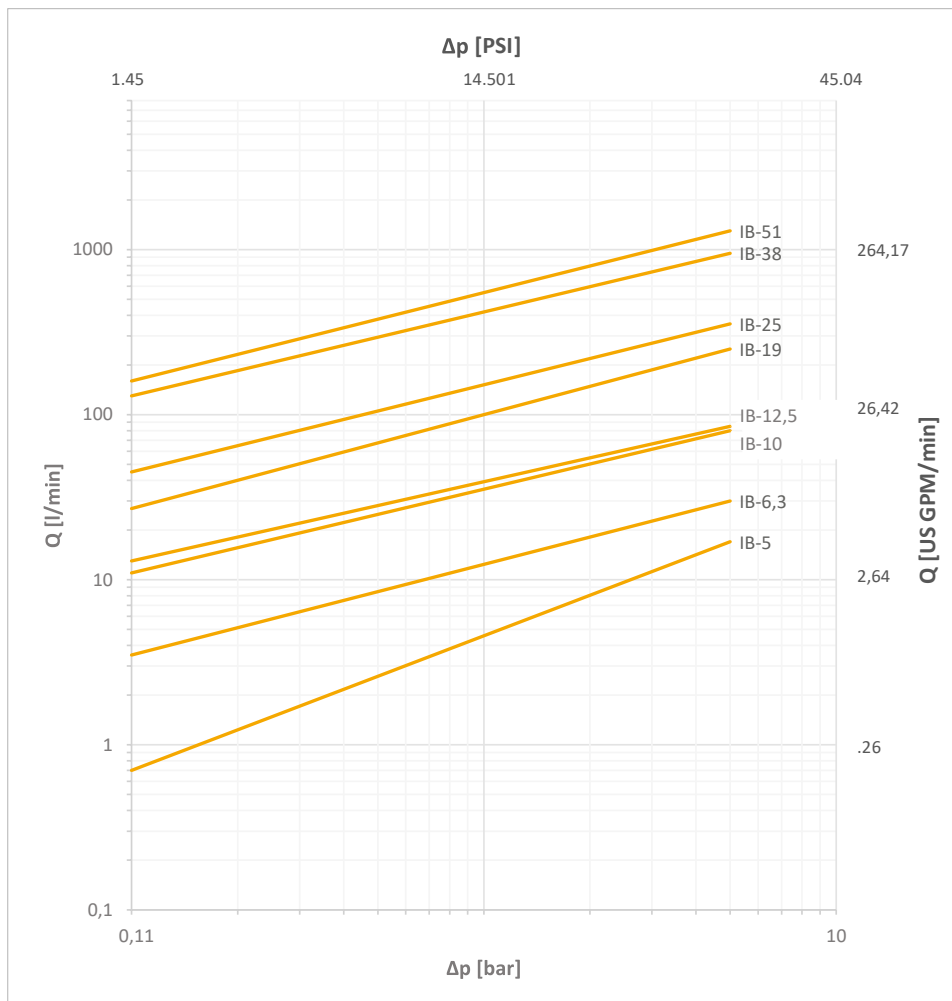
- Industrial hydraulic lines
- Mobile applications
- Agricultural and Forestry Machinery
- Construction
- general industrial



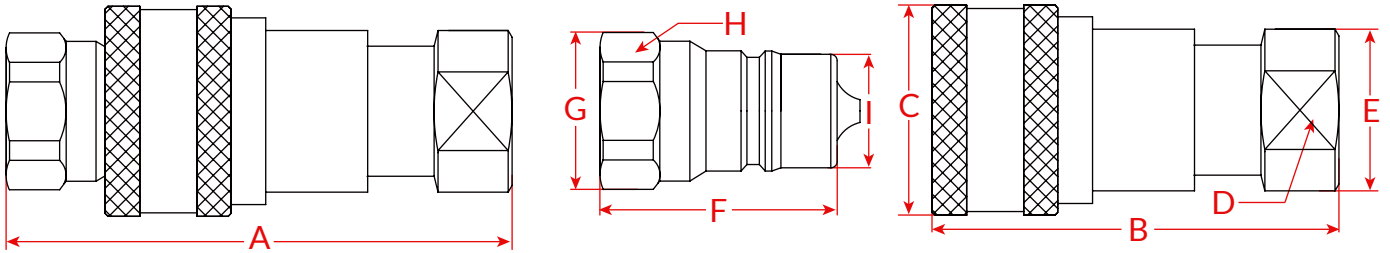
Technical Data

Series	DN Inch	DN Metric	Q _{max}		Working Pressure		bursting pressure coupled		female body		male tip		spillage ml
			l/min	US GPM	bar	psi	bar	psi	bar	psi	bar	psi	
IB-05	1/8"	05	9	2.3	500	7252	2700	39160	2300	29443	2400	34809	0.5
IB-06	1/4"	6,3	24	6.3	250	3626	1000	14504	1800	26106	1100	15954	1
IB-10	3/8"	10	46	12.15	250	3626	1300	18855	1400	20305	1400	20305	2.4
IB-12	1/2"	12,5	90	23.77	250	3626	1100	15954	1400	20305	1100	15954	3.9
IB-19	3/4"	19	220	58.12	250	3626	1200	17404	1300	18855	1000	14504	11.0
IB-25	1"	25	260	68.68	250	3626	1000	14504	1100	15954	1000	14504	19.0
IB-38	1 1/2"	38	757	199.98	200	2901	800	11603	800	11603	800	11603	95.0
IB-51	2"	51	1000	264.17	100	1450	400	5801	400	5801	400	5801	170.0

Flow Characteristics



Dimensions



Series	Size	Thread	Overall Length	F Length	O.D	Hex	O.D	M Length	O.D	Hex	O.D	Weight (g)	
			A	B	C	D	E	F	G	H	I	Female	Male
IB-05	1/8"	1/8"	64.1	50.7	23	17	19	32	16	14	10.9	89	20
IB-06	1/4"	1/4"	76.5	60	28	19	21	38	22	19	14.2	123	39
IB-10	3/8"	3/8"	85.5	67.2	35	22	24	42.5	24	22	19.1	194	61
IB-12	1/2"	1/2"	96.5	75.7	44	27	30	48	30	27	23.55	346	112
IB-19	3/4"	3/4"	114.5	91.5	52	34	37	57	37	34	31.45	548	202
IB-25	1"	1"	132	105.8	60	41	44	65.5	44	41	37.77	860	355
IB-38	1 1/2"	1 1/2"	201.5	126.5	78.6	65	68	127	68	65	44.45	2132	1340
IB-51	2"	2"	221	142	105	90	94	142	94	90	63.2	4900	3100

Dimensions in mm

Dimensions and weights are based on NPT internal threads. and for other threads please see the detail product page in our website, and the BOP version version would be different, please contact us for more information.

Code Rules

IB - 12 F NPT1/2

① ② ③ ④

- ① Series - IB
- ② Body Size, 05 = 1/8", 06 = 1/4", 10 - 3/8", 12 = 1/2"...51=2"
- ③ Part, F = Female Coupler, M = Male Nipple, Blank = Set(Female+Male)
- ④ Thread Type and Size, the simple thread like NPT1/2, if Male thread to add a M after the thread, G1/2 M



Dust Caps



Size	Female Body	Male Tip
1/4"	DC-IB-06 F	DC-IB-06 M
3/8"	DC-IB-10 F	DC-IB-10 M
1/2"	DC-IB-12 F	DC-IB-12 M
3/4"	DC-IB-19 F	DC-IB-19 M
1"	DC-IB-25 F	DC-IB-25 M

IB Series dust caps usually the plastic dust caps, the color can be red, yellow, blue, and black, the default color is usually red.

