



HJB SERIES

High Pressure Screw connect Ball Valve Quick Coupling Made to ISO 14540

The HJB Series Screw to Connect High Pressure Quick Couplings Ball Valve are expertly designed to comply with the ISO 14540 standard, providing a robust and high-performance solution for demanding hydraulic applications. These couplings are engineered for use in high-pressure environments, offering secure and leak-free connections that are essential for hydraulic jacks, torque wrenches, and other heavy-duty equipment.



Series HJB // Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Plating
Standard Seal Material(s)	NBR (Buna-N®) ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Ball
Connection	Screw sleeve to connect
Disconnection	Screw sleeve
Connect Under Pressure	Can be connected with low residual pressure in the hydraulic circuit
Application	Hydraulic Jacks, Hydraulic Wrenches, High Pressure Hydraulic Applications
ISO Interchange	ISO 14540

² Alternative seal materials are available on request.

Features

- Screw to connect design eliminates brinelling
- Ball Valve
- Can be connected with low residual pressure in the hydraulic circuit
- Coupling made from carbon steel with Zinc surface coating
- ISO Interchange acc. to ISO 14540

Applications

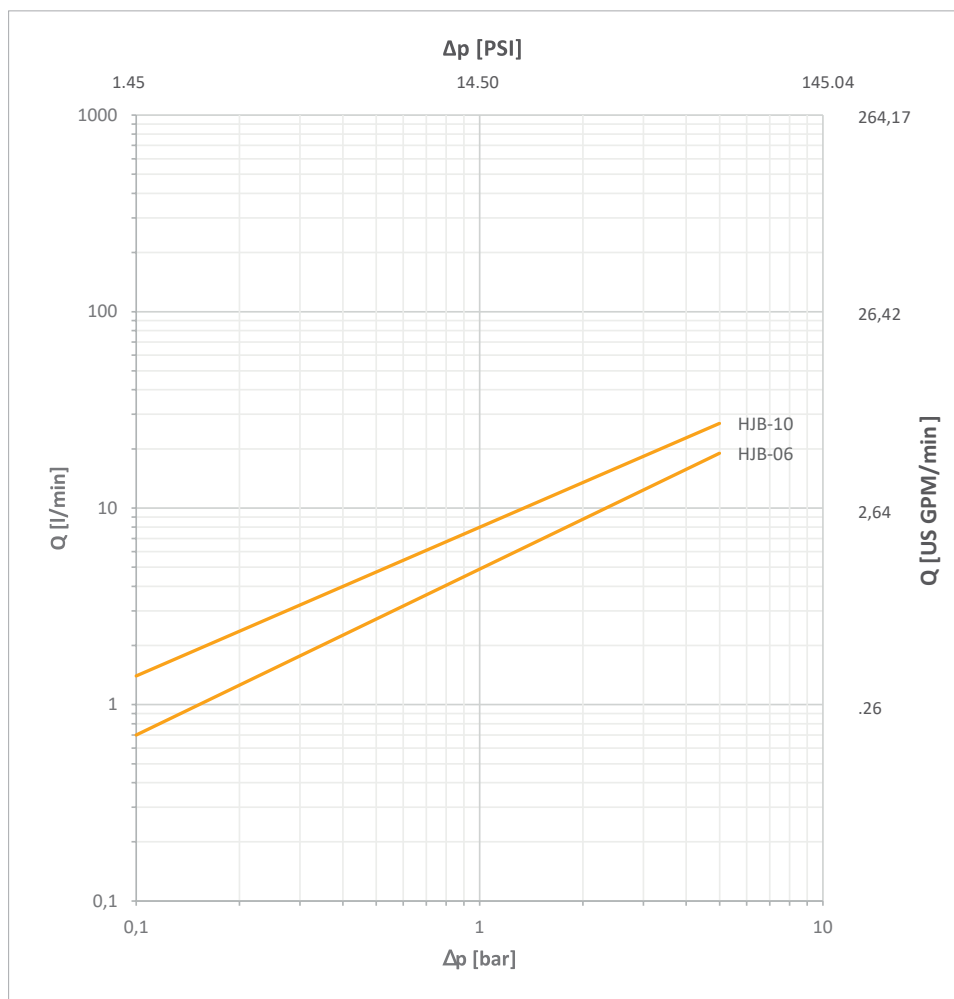
- Rescue and Tensioning Hydraulics
- Hydraulic jacking Applications
- Industrial Hydraulic
- Hydraulic Wrenches



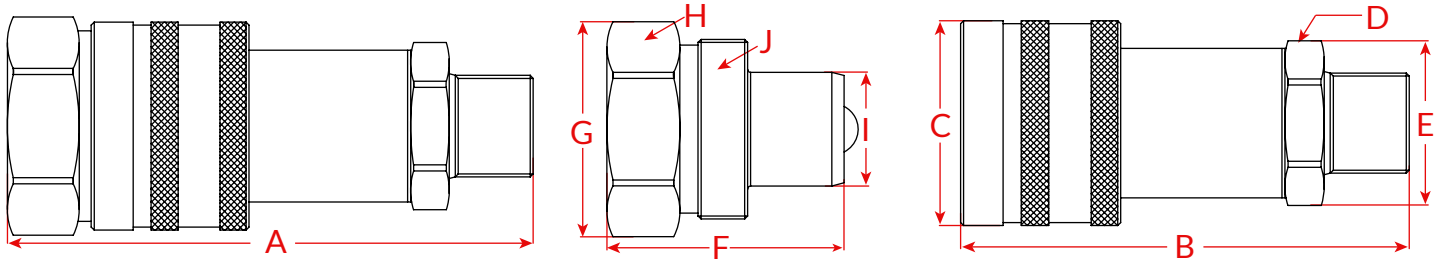
Technical Data

Series	DN Inch	DN Metric	Q _{max}		Working Pressure		bursting puresure coupled		female body		male tip		spillage ml
			l/min	US GPM	bar	psi	bar	psi	bar	psi	bar	psi	
HJP-06	1/4"	6,3	18	4.76	720	10443	2160	31328	2160	31328	2160	31328	0.5
HJP-10	3/8"	10	34.5	9.11	720	10443	2160	31328	2160	31328	2160	31328	1

Flow Characteristics



Dimensions



Series	Size	Thread	Overall Length	F. Length	O.D	Hex	O.D	M. Length	O.D	Hex	O.D	Thread	Weight (g)	
			A	B	C	D	E	F	G	H	I	J	Female	Male
HJB-06	1/4"	1/4"	80.6	51.3	30	22	24	40.4	22	19	15.9	1-18 UNS	149	90
HJB-10	3/8"	3/8"	98.3	66.5	35	24	27	42.5	30	27	19	1-3/16-16 UN	249	129

Dimensions in mm

The dimensions based on the npt thread, and the HJP series usually only use the NPT thrad. and the other threads need to customized produced, see the detail product page on our website.

Code Rules

HJB - 10 F NPT3/8 M

① ② ③ ④

- ① Series - HJB
- ② Body Size, 06 = 1/4", 10 = 3/8"
- ③ Part, F = Female Coupler, M = Male Nipple, Blank = Set(Female+Male)
- ④ Thread Type and Size, The default only NPT 1/4 and NPT 3/8



Dust Caps



Plastic Dust Caps



Aluminium Dust Caps



Rubber Dust Caps

Size	Female Body	Male Tip
1/4"	DC-P-HJ-06 F	DC-P-HJ-06 M
3/8"	DC-P-HJ-10 F	DC-P-HJ-10 M
1/4"	DC-A-HJ-06 F	DC-A-HJ-06 M
3/8"	DC-A-HJ-10 F	DC-A-HJ-10 M
3/8"	DC-R-HJ-10 F	DC-R-HJ-10 M

HJP and HJB series are ISO 14540 quick couplings, the dust caps have different materials. The plastic dust caps are cheap dust caps and the aluminium dust caps usually used in high quality hydraulic tools.

