



BTC SERIES

ultra high pressure quick couplings interchangeable with CEJN 116 and CEJN 125 Quick Couplings

The BTC series ultra high pressure quick couplings are primarily used in bolt tensioners and other ultra high pressure application the pressure over 150 Mpa. The BTC150 can withstand a high maximum working pressure of 150 Mpa, then the BTC 160 has the maximum working pressure of 250 Mpa. The BTC150 is interchangeable with CEJN 116 series and BTC160 is CEJN 125 Series interchangeable.



Series BTC // Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel, Zinc-Plating
Standard Seal Material(s)	NBR (Buna-N®), PTFE, ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Flat Face
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Rescue and Tensioning Hydraulics, Bolt tensioners, Hydraulic jacks, Hydraulic hammers, Other high pressure applications
ISO Interchange	-

² Alternative seal materials are available on request.

Features

- 150 Mpa maximum working pressure (BTC 150), 250 Mpa maximum working pressure (BTC 160)
- Non-drip interface minimizes fluid spillage
- Safety version with a locking ring on the coupling ensures against accidental disconnection
- Easy to connect and disconnect
- The perfect replacement to ordinary screw couplings

Applications

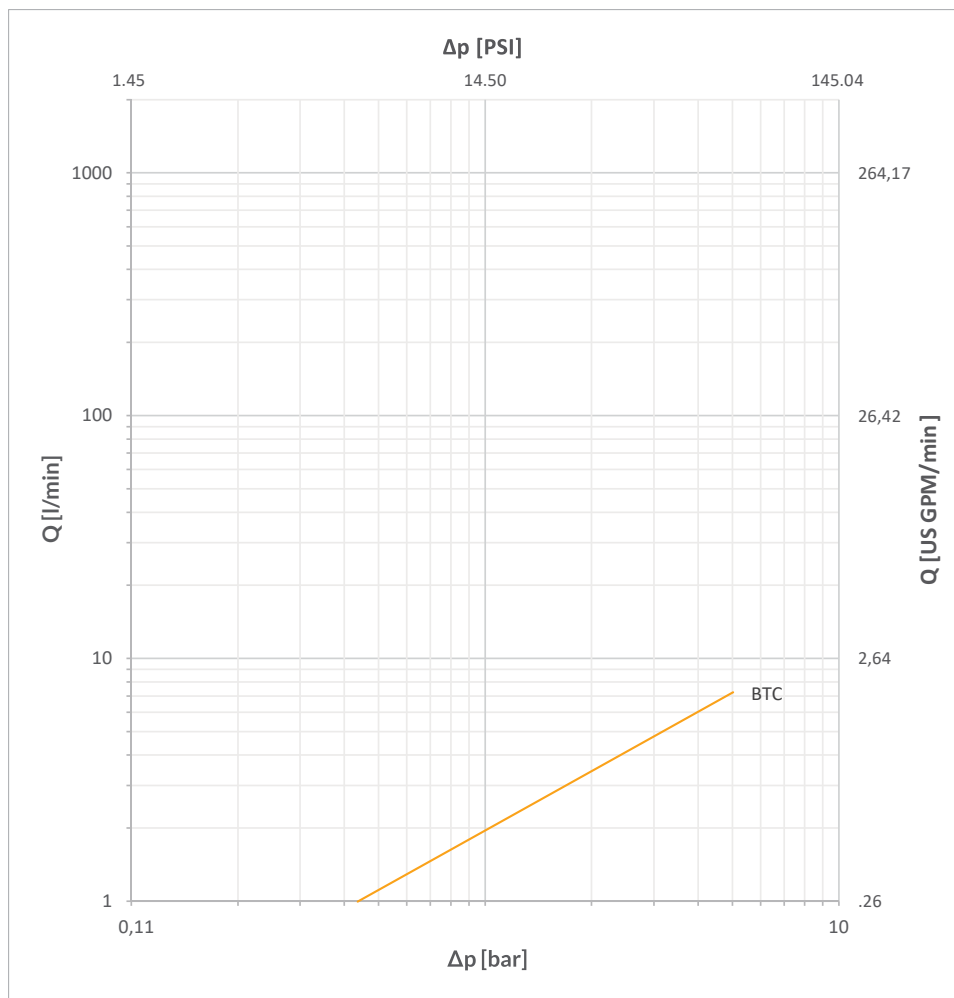
- Bolt tensioners
- Hydraulic jacks
- Hydraulic hammers
- Other high pressure applications
- Rescue and Tensioning Hydraulics



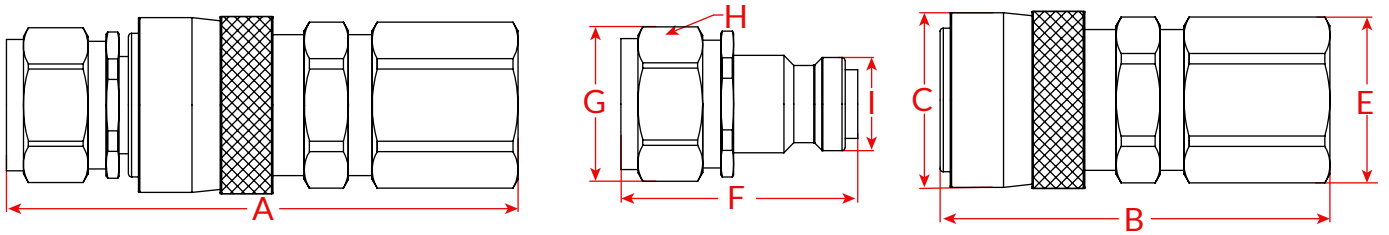
Technical Data

Series	DN Metric	Q _{max}		Working Pressure		bursting puresure coupled		female body		male tip	
		l/min	US GPM	bar	psi	bar	psi	bar	psi	bar	psi
BTC 116	2.5 mm	6.0	1.58	1000	14504	2600	37709	2600	37709	2600	37709
BTC 125	2.5 mm	6.0	1.58	1500	21756	3000	4351	3000	43511	3000	43511

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
BTC150	1/4"	1/4"	64.1	61.3	28	24	27	37	24	22	14.9	196	71
BTC160	1/4"	1/4"	76.5	62	28	24	27	38.1	24	22	14.9	203	79

Dimensions in mm

The BTC150 can be interchange with CEJN 115/116 80Mpa and 150 Mpa, and the BTC160 for CEJN 125 for the 250 Mpa

Code Rules

BTC150 - 06 F G1/4

①
②
③
④

- ① Series - BTC150, BTC160
- ② Body Size, 06 = 1/4"
- ③ Part, F = Female Coupler, M = Male Nipple, Blank = Set(Female+Male)
- ④ Thread Type and Size, they usually BSPP thread, G1/4 are usually default thread, and we also have G1/8 thread version, other thread need to be customized produced.

