

B series

Acc. to ISO 7241-1, B Series.



This coupling series combines an extremely small pressure drop with maximum hydraulic power transmission.

Interchangeable with all couplings and plugs manufactured according to the above standard.

The patented pressure eliminator permits disconnection even if back pressure has built up (up to 200 bar).

The pressure eliminator can be used in all applications where there is a risk of pressure build-up after the line has been separated. It allows effortless connection under pressure.

The mating part must be pressureless in order for the eliminator to function optimally.

Areas of application: chemical industry, food technology, automotive, offshore.

Operating temperature

-30 °C to 100 °C

Housing

Nickel -plated brass (DN 6.3 to DN 12.5), steel (DN 19, DN 20)

Unlocking sleeve

Steel (DN 6.3: nickel-plated brass)

Balls, springs

Stainless steel

Valve

Brass

Push-in plug

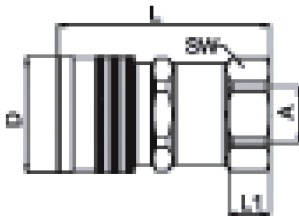
Steel

Sealant

NBR

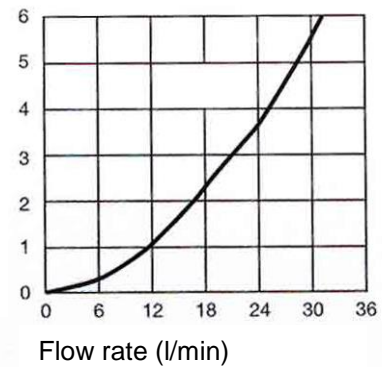


242.01 B



Decrease of pressure for viscosity 32cSt at 40 °C acc. to ISO 7241/2-2000

Decrease of pressure (bar)



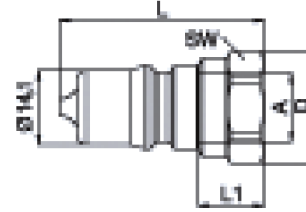
Hydraulic couplings, female

Art. No.	Ident No.	Connection	Flow rate (oil) l/min	DN	max. operating pressure	Length mm	a/f mm	L1 mm	D mm
242.01 B	107728	G 1/4 female	8	6.3	400 bar	57.0	24	12.0	28.0
242.02 B	107729	G 3/8 female	24	10.0	320 bar	63.0	30	12.0	34.0
242.03 B	107730	G 1/2 female	40	12.5	300 bar	66.0	33	14.0	40.0
242.04 B	107731	G 3/4 female	75	19.0	300 bar	81.0	46	16.0	52.0
242.05 B	107732	G 1 female	100	20.0	300 bar	94.0	50	20.0	62.0

→ Flow rate measurement: Oil for viscosity 32cSt at 40 °C acc. to ISO 7241/2-2000, pressure drop 0.5 bar



242.51 B

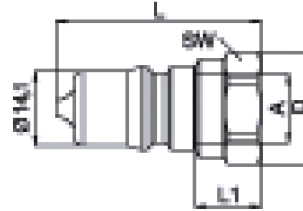


Push-in plug without pressure eliminator, hardened, galvanised steel, female

Art. No.	Ident No.	Connection	DN	max. operating pressure	Length mm	a/f mm	L1 mm	D mm
242.51 B	107733	G 1/4 female	6.3	400 bar	38.0	19	12.0	21.0
242.52 B	107734	G 3/8 female	10.0	320 bar	42.0	22	12.0	24.0
242.53 B	107735	G 1/2 female	12.5	300 bar	46.0	27	14.0	31.0
242.54 B	107736	G 3/4 female	19.0	300 bar	59.0	36	16.0	39.0
242.55 B	107737	G 1 female	20.0	300 bar	70.0	42	20.0	46.0



242.61 B



Push-in plug with pressure eliminator, hardened, galvanised steel, female

Art. No.	Ident No.	Connection	DN	max. operating pressure	Length mm	a/f mm	L1 mm	D mm
242.61 B	107738	G 1/4 female	6.3	400 bar	38.0	19	12.0	21.0
242.62 B	107739	G 3/8 female	10.0	320 bar	42.0	22	12.0	24.0
242.63 B	107740	G 1/2 female	12.5	300 bar	46.0	28	14.0	31.0
242.64 B	107741	G 3/4 female	19.0	300 bar	59.0	36	16.0	39.0
242.65 B	107742	G 1 female	20.0	300 bar	70.0	42	20.0	46.0