Screw-to-connect

Body Size

3/4" up to 1 1/2"

Parker Profile

6100-Series



Technical Description
Screw-to-connect coupling. Connection and disconnection possible with full system pressure. Compatible with a broad range of media. Limited fluid spillage during disconnection.

Advantages
Bonded valve seal permits full pressure connect and disconnect without seal washout. Heavy-duty wing nut, ruggedly built, specifically to withstand the hammer blows, used to tighten and loosen this coupler. Flush-faced poppet valve for reduced spillage during disconnection. Connection indicator: visual check for complete connection of the couplings.
The flange is designed to give a positive "no-slip" bulkhead mounting to reduce down-time.

Applications
- Dump trailers: to connect the tractor to wet-line hydraulic systems
- Connection of hydraulic lines on oil field equipment like power tongs, swivels and mobile drilling rigs.
- Submersible pumps, engine test stands
- Applications where heavy-duty couplings are required

Working Temperature
-40°C up to +110°C (NBR) depending on the medium.

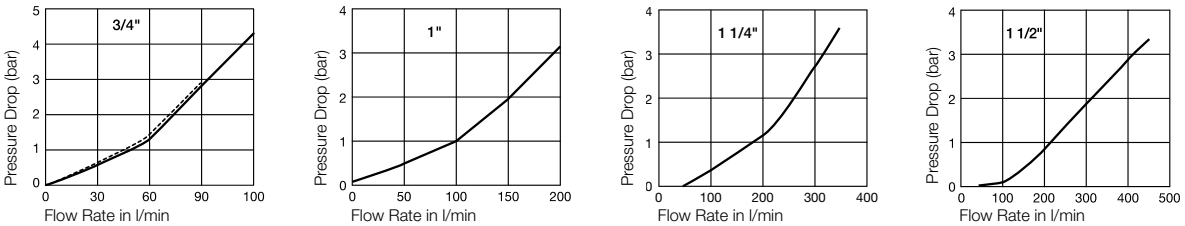
Working pressure

Body Size	Max. operating pressure connected
3/4"	210 bar
1"	210 bar
1 1/4"	190 bar
1 1/2"	175 bar

Material Coupling	Standard
Coupling Body	Brass
Sleeve	Steel
Back-up Ring	PTFE
Valve	Brass
Springs	Stainless Steel
Seals	NBR

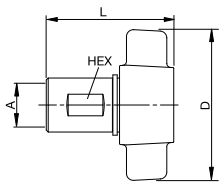
Material Plug	Standard
Plug Body	Brass
Valve	Brass
Springs	Stainless Steel
Seals	NBR

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



Female thread 1/2" – 14
Female thread 3/4" – 18

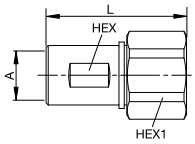
Couplings with Wing Nut — 6100-Series



Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2"	BSPP	1 5/32"		102,6	75,9	600	6125-08-BSPP
3/4"	3/4"	BSPP	1 5/32"		102,6	79,8	560	6125-12-BSPP
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	75,9	590	6125-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	79,8	572	6125-12
1"	1"	BSPP	1 7/16"		111,3	96,5	869	6125-16-BSPP
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	96,5	857	6125-16
1 1/4"	1 1/4"	BSPP	1 25/32"		132,1	103,8	1221	6125-20-BSPP
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	103,8	1288	6125-20
1 1/2"	1 1/2"	BSPP	2"		135,1	108,5	1733	6125-24-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	108,5	1687	6125-24

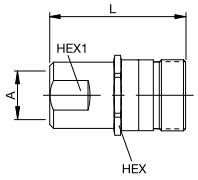
Couplings with Hexagon Nut — 6100-Series



Female Thread

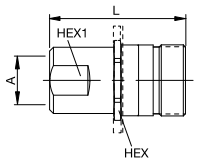
Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"	1 3/4"		81,8	485	6135-08
3/4"	3/4" - 14	NPTF	1 5/32"	1 3/4"		81,8	485	6135-12
1"	1" - 11 1/2	NPTF	1 7/16"	2 1/8"		98,3	739	6135-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"	2 1/2"		105,6	1120	6135-20

Plugs — 6100-Series



Female Thread - without flange

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2"	BSPP	1 5/8"	1 3/16"		79	416	6105-08-BSPP
3/4"	3/4"	BSPP	1 5/8"	1 3/16"		83,8	349	6105-12-BSPP
3/4"	1/2" - 14	NPTF	1 5/8"	1 3/16"		79	374	6105-08
3/4"	3/4" - 14	NPTF	1 5/8"	1 3/16"		82	358	6105-12
1"	1"	BSPP	1 7/8"	1 9/16"		90,2	571	6105-16-BSPP
1"	1" - 11 1/2	NPTF	1 7/8"	1 9/16"		90,2	589	6105-16
1 1/4"	1 1/4"	BSPP	2 1/8"	1 7/8"		94,2	754	6105-20-BSPP
1 1/4"	1 1/4" - 11 1/2	NPTF	2 1/8"	1 7/8"		94,2	741	6105-20
1 1/2"	1 1/2"	BSPP	2 1/2"	2 3/16"		104,6	1155	6105-24-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2 1/2"	2 3/16"		104,6	988	6105-24

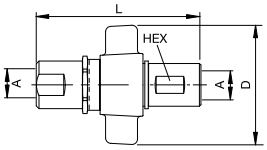


Female Thread - with flange

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/8"	1 3/16"		79	374	6115-08
3/4"	3/4" - 14	NPTF	1 5/8"	1 3/16"		82	358	6115-12
1"	1" - 11 1/2	NPTF	1 7/8"	1 9/16"		90,2	589	6115-16
1 1/4"	1 1/4" - 11 1/2	NPTF	2 1/8"	1 7/8"		94,2	741	6115-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2 1/2"	2 3/16"		104,6	988	6115-24

⚠ Please consider our security advices on the pages 12/13 ⚠

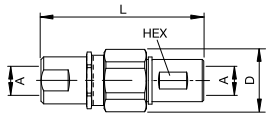
Complete Set with Wing Nut (Male + Female) 6100-Series



Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	132,1		6100-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	132,1		6100-12
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	152,1		6100-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	160,8		6100-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	166,4		6100-24

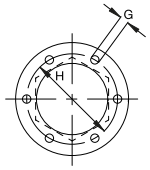
Complete Set with Hexagon Nut (Male + Female) 6100-Series



Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	132,1		6120-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	132,1		6120-12
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	152,1		6120-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	160,8		6120-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	166,4		6120-24

Flange 6100-Series



Body Size	G mm	H mm	Part Number
3/4"	5,3	54,0	6107-08
1"	5,3	60,3	6107-16
1 1/4"	5,3	66,7	6107-20
2 1/2"	7,1	82,6	6107-24

Dust Protection 6100-Series





Body Size	Version	Part Number
3/4"	for coupling	6109-08
1"	for coupling	6109-16
1 1/4"	for coupling	6109-20
1 1/2"	for coupling	6109-24
3/4"	for plug	6108-08
1"	for plug	6108-16
1 1/4"	for plug	6108-20
1 1/2"	for plug	6108-24

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