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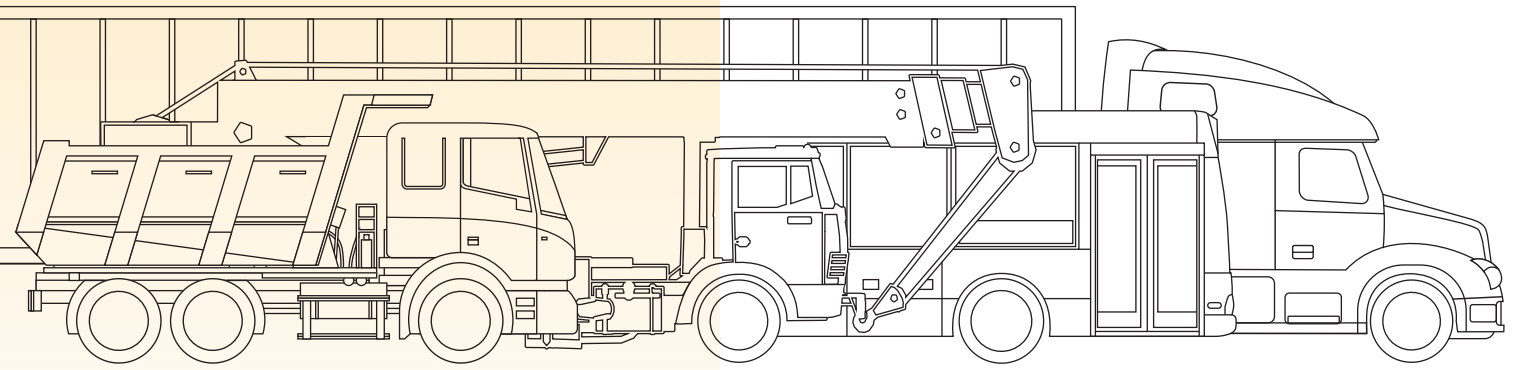

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Rated pressure ranges from 800 to 10,000 psi, depending on the coupling series, size and materials. For Selection Guide, Media Chart, and complete descriptions, specifications and performance charts, contact your Authorized Parker Fleet Distributor or consult Catalog 3807.

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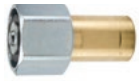

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60 Series

Couplers
Female Thread

Part Number Brass	Part Number Steel	Body Size	Thread Size
BH1-60	H1-62	1/8	1/8-27 NPTF
—	H1-62-T4	1/8	7/16-20 ORB
BH2-60	H2-62	1/4	1/4-18 NPTF
—	H2-62-T6	1/4	9/16-18 ORB
BH3-60	H3-62	3/8	3/8-18 NPTF
—	H3-62-T8	3/8	3/4-16 ORB
BH4-60	H4-62	1/2	1/2-14 NPTF
—	H4-62-T10	1/2	7/8-14 ORB
BH6-60	H6-62	3/4	3/4-14 NPTF
—	H6-62-T12	3/4	1-1/16 - 12 ORB
BH8-60	H8-62	1	1 - 11 1/2 NPTF
—	H8-62-T16	1	1-5/16 - 12 ORB

Nipples
Female Thread

Part Number Brass	Part Number Steel	Body Size	Thread Size
BH1-61	H1-63	1/8	1/8-27 NPTF
—	H1-63-T4	1/8	7/16-20 ORB
BH2-61	H2-63	1/4	1/4-18 NPTF
—	H2-63-T6	1/4	9/16-18 ORB
BH3-61	H3-63	3/8	3/8-18 NPTF
—	H3-63-T8	3/8	3/4-16 ORB
BH4-61	H4-63	1/2	1/2-14 NPTF
—	H4-63-T10	1/2	7/8-14 ORB
BH6-61	H6-63	3/4	3/4-14 NPTF
—	H6-63-T12	3/4	1-1/16 - 12 ORB
BH8-61	H8-63	1	1 - 11 1/2 NPTF
—	H8-63-T16	1	1-5/16 - 12 ORB

Couplers
Female Thread

Part Number Brass	Part Number Steel	Body Size	Thread Size
BH12-60L	H12-62L	1-1/2	1-1/4 - 11 1/2 NPTF
BH12-60N	H12-62N	1-1/2	1-1/2 - 11 1/2 NPTF
—	H12-62-T20	1-1/2	1-5/8 - 12 ORB
—	H12-62-T24	1-1/2	1-7/8 - 12 ORB
BH2016-60	H2016-62	2-1/2	2 - 11 1/2 NPTF
BH2020-60	H2020-62	2-1/2	2 1/2 - 8 NPTF
BH2024-60	H2024-62	2-1/2	3 - 8 NPTF

Nipples
Female Thread

Part Number Brass	Part Number Steel	Body Size	Thread Size
BH12-61L	H12-63L	1-1/2	1-1/4 - 11 1/2 NPTF
BH12-61N	H12-63N	1-1/2	1-1/2 - 11 1/2 NPTF
—	H12-63-T20	1-1/2	1-5/8 - 12 ORB
—	H12-63-T24	1-1/2	1-7/8 - 12 ORB
BH2016-61	H2016-63	2-1/2	2 - 11 1/2 NPTF
BH2020-61	H2020-63	2-1/2	2-1/2 - 8 NPTF
BH2024-61	H2024-63	2-1/2	3 - 8 NPTF

Dust Plugs and Caps

Coupler Dust Plug Aluminum	Coupler Dust Plug Rubber	Nipple Dust Cap Aluminum	Nipple Dust Cap Rubber	Body Size
H1-65	H1-65M	H1-66	H1-66M	1/8
H2-65	H2-65M	H2-66	H2-66M	1/4
H3-65	H3-65M	H3-66	H3-66M	3/8
H4-65	H4-65M	H4-66	H4-66M	1/2
H6-65	H6-65M	H6-66	H6-66M	3/4
H8-65	H8-65M	H8-66	H8-66M	1
H12-65	—	H12-66	—	1-1/2
H20P-65	—	H20P-66	—	2-1/2

Couplers
Female Pipe Thread

H3-68 has grip-ring sleeve

Part Number Brass	Body Size	Thread Size
BH2-60-STM	1/4	1/4-18 NPTF
H3-68	3/8*	3/8-18 NPTF
BH4-60-STM	1/2	1/2-14 NPTF
BH6-60-STM	3/4	3/4-14 NPTF
BH8-60-STM	1	1-11 1/2 NPTF

* See photo for 3/8" size coupler configuration.

Nipples
Female Pipe Thread

Part Number Brass	Body Size	Thread Size
BH2-61-STM	1/4	1/4 - 18 NPTF
H3-69	3/8	3/8 - 18 NPTF
BH4-61-STM	1/2	1/2 - 14 NPTF
BH6-61-STM	3/4	3/4 - 14 NPTF
BH8-61-STM	1	1 - 11 1/2 NPTF

6600 Series

Couplers

Coupler Part Number	Body Size	Port End	Valve Type
6601-2-4	1/4	1/8-27 NPTF	Poppet
6601-4-4	1/4	1/4-18 NPTF	Poppet
6601-6-6	3/8	3/8-18 NPTF	Poppet
6608-6-6	3/8	9/16-18 ORB	Poppet
6601-8-10	1/2	1/2-14 NPTF	Poppet
6601-12-10	1/2	3/4-14 NPTF	Poppet
6608-8-10	1/2	3/4-16 ORB	Poppet
6608-10-10	1/2	7/8 -14 ORB	Poppet
6608-12-10	1/2	1 1/16-12 ORB	Poppet
6601-12-12	3/4	3/4 -14 NPTF	Poppet
6608-12-12	3/4	1 1/16-12 ORB	Poppet
6601-16-16	1	1-11 1/2 NPTF	Poppet
6608-16-16	1	1 5/16-12 ORB	Poppet

Dimensions and pressures are for reference only and are subject to change.

Nipples

Nipple Part Number	Body Size	Port End	Valve Type
6602-2-4	1/4	1/8-27 NPTF	Poppet
6602-4-4	1/4	1/4-18 NPTF	Poppet
6602-6-6	3/8	3/8-18 NPTF	Poppet
6610-6-6	3/8	9/16-18 ORB	Poppet
6602-8-10	1/2	1/2-14 NPTF	Poppet
6602-12-10	1/2	3/4-14 NPTF	Poppet
6610-8-10	1/2	3/4-16 ORB	Poppet
6610-10-10	1/2	7/8-14 ORB	Poppet
6610-12-10	1/2	1 1/16 -12 ORB	Poppet
6602-12-12	3/4	3/4-14 NPTF	Poppet
6610-12-12	3/4	1 1/16-12 ORB	Poppet
6602-16-16	1	1-11 1/2 NPTF	Poppet
6610-16-16	1	1-5/16-12 ORB	Poppet

Dust Plugs and Caps

Dust Plug (Coupler)	Dust Cap (Nipple)	Body Size
H1-65M	H1-66M	1/4
TR-37	TR-37	3/8
5205-4M	5209-4M	1/2
6659-12M	6657-12M	3/4
6659-16M	6657-16M	1

4000 Series

Couplers

Coupler Part Number	Body Size	Port End	Valve Type
4050-2P	1/4	1/4-18 NPTF	Poppet
4050-2P-T8M	1/4	3/4-16 ORB (Male)	Poppet
4050-T6	1/4	9/16-18 ORB	Poppet
4050P-T6*	1/4	9/16-18 ORB	Poppet
4050-3P	3/8	3/8-18 NPTF	Poppet
4050-4	1/2	1/2-14 NPTF	Ball
4050-4P	1/2	1/2-14 NPTF	Poppet
4050-5	1/2	3/4-14 NPTF	Ball
4050-5P	1/2	3/4-14 NPTF	Poppet
4050-15	1/2	3/4-16 ORB	Ball
4050-15P	1/2	3/4-16 ORB	Poppet
4050-16	1/2	7/8-14 ORB	Ball
4050-16P	1/2	7/8-14 ORB	Poppet
4050-29BSPP	1/2	1/2-14 BSPP	Ball
4150-5	3/4	3/4-14 NPTF	Ball
4050-6P	1	1-11 1/2 NPTF	Poppet

* Special push/pull sleeve

Nipples

Nipple Part Number	Body Size	Port End	Valve Type
4010-2P	1/4	1/4-18 NPTF	Poppet
4010-T6	1/4	9/16-18 ORB	Poppet
4010-3P	3/8	3/8-18 NPTF	Poppet
8010-4	1/2	1/2-14 NPTF	Ball
8010-4P	1/2	1/2-14 NPTF	Poppet
8010-5	1/2	3/4-14 NPTF	Ball
8010-5P	1/2	3/4-14 NPTF	Poppet
8010-15	1/2	3/4-16 ORB	Ball
8010-15P	1/2	3/4-16 ORB	Poppet
8010-16	1/2	7/8-14 ORB	Ball
8010-16P	1/2	7/8-14 ORB	Poppet
8010-29BSPP	1/2	1/2-14 BSPP	Ball
4110-5	3/4	3/4-14 NPTF	Ball
4010-6P	1	1-11 1/2 NPTF	Poppet

Dust Plugs and Caps

Dust Plug (Coupler)	Dust Cap (Nipple)	Body Size
5205-2M	5209-2M	1/4
5205-3M	5209-3M	3/8
5205-4M	5209-4M	1/2
5005-4	5009-4	1/2
5205-4M-BU	5209-4M-BU	1/2
5205-4M-GR	5209-4M-GR	1/2
5205-4M-RE	5209-4M-RE	1/2
5205-4M-YE	5209-4M-YE	1/2
5205-5M	5209-5M	3/4
5205-6M	5209-6M	1

NS Series

Couplers

Part Number Steel	Body Size	Thread Size
NS-371-6FP	3/8	3/8-18 NPSF
NS-371-6FB	3/8	G3/8 BSPP
NS-371-8FO	3/8	3/4-16UNF
NS-501-8FP	1/2	1/2-14 NPSF
NS-501-8FB	1/2	G1/2 BSPP
NS-501-10FO	1/2	7/8-14UNF
NS-751-12FP	3/4	3/4-14 NPSF
NS-751-12FB	3/4	G3/4 BSPP
NS-751-12FO	3/4	1 1/16-12UN
NS-1001-16FP	1	1-11 1/2 NPSF
NS-1001-16FB	1	G 1 BSPP
NS-1001-16FO	1	1 5/16-12UN

Nipples

Part Number Steel	Body Size	Thread Size
NS-372-6FP	3/8	3/8-18 NPSF
NS-372-6FB	3/8	G3/8 BSPP
NS-372-8FO	3/8	3/4-16UNF
NS-502-8FP	1/2	1/2-14 NPSF
NS-502-8FB	1/2	G1/2 BSPP
NS-502-10FO	1/2	7/8-14UNF
NS-752-12FP	3/4	3/4-14 NPSF
NS-752-12FB	3/4	G3/4 BSPP
NS-752-12FO	3/4	1 1/16-12UN
NS-1002-16FP	1	1-11 1/2 NSPF
NS-1002-16FB	1	G 1 BSPP
NS-1002-16FO	1	1 5/16-12UN

Standard Port Configurations:
FP - Female Pipe Thread
FO - Female Straight Thread
FB - Female British Standard Pipe Parallel

Dust Plugs and Caps

Dust Plug / Cap Rubber	Body Size
NR-37	3/8
NR-50	1/2
NR-75	3/4
NR-100	1

EAS/SAE Adapters

EAS/SAE Adapters

ISO 16028 / ISO 7241-A

½ inch body size

Part Number	Body Size
EAS-500	1/2
SAE-500	1/2

Dimensions and pressures are for reference only and are subject to change.

FF/FC Series

Couplers

Coupler Part Number	Body Size	Port End
FF-251-4FP	1/4	1/4-18 NPSF
FF-251-4MP	1/4	1/4-18 NPTF
FF-251-6FO	1/4	9/16-18 UNF
FF-371-6FP	3/8	3/8-18 NPSF
FF-371-8FP	3/8	1/2-14 NPSF
FF-371-6FB	3/8	G3/8 BSPP
FF-371-8FB	3/8	G1/2 BSPP
FF-371-8FO	3/8	3/4-16 UNF
FF-501-8FP	1/2	1/2-14 NPSF
FF-501-10FO	1/2	7/8-14 UNF
FF-751-12FP	3/4	3/4-14 NPSF
FF-751-12FO	3/4	1 1/16-12 UNF
FF-1001-16FP	1	1-11 1/2NPSF
FF-1001-16FO	1	1 5/16-12UNF

Nipples

Nipple Part Number	Body Size	Port End
FF-252-4FP	1/4	1/4-18 NPSF
FF-252-4MP	1/4	1/4-18 NPTF
FF-252-6FO	1/4	9/16-18 UNF
FF-372-6FP	3/8	3/8-18 NPSF
FF-372-8FP	3/8	1/2-14 NPSF
FF-372-6FB	3/8	G3/8 BSPP
FF-372-8FB	3/8	G1/2 BSPP
FF-372-8FO	3/8	3/4-16 UNF
FF-502-8FP	1/2	1/2-14 NPSF
FF-502-10FO	1/2	7/8-14 UNF
FF-752-12FP	3/4	3/4-14 NPSF
FF-752-12FO	3/4	1 1/16-12 UNF
FF-1002-16FP	1	1-11 1/2 NPSF
FF-1002-16FO	1	1 5/16-12UNF

Standard Port Configurations:
- FP - Female Pipe Thread
- FO - Female Straight Thread
- MP - Male Pipe Thread
- FB - Female British Standard Pipe Parallel

Nipples (Connect Under Pressure)

Part Number	Body Size	Mating Half	Port End
FC-372-6FP	3/8	FF-371	3/8-18 NPSF
FC-372-8FO	3/8	FF-371	3/4-16 UNF
FC-372-8FP	3/8	FF-371	1/2-14 NPSF
FC-502-8FP	1/2	FF-501	1/2-14 NPSF
FC-502-10FO	1/2	FF-501	7/8-14 UNF
FC-752-12FO	3/4	FF-751	1 1/16-12 UNF
FC-752-12FP	3/4	FF-751	3/4-14 NPSF

Standard Port Configurations:
- FP - Female Pipe Thread
- FO - Female Straight Thread

Dust Caps

Coupler Dust Cap (Rubber)	Nipple Dust Cap (Rubber)	Body Size
FR-25	FR-25	1/4
NR-50	NR-37	3/8
FR-501	FR-502	1/2
FR-751	FR-752	3/4
FR-1001	FR-1002	1

Couplers (Bulkhead)

Coupler Part Number	Body Size	Port End
FEM-501-10BMF-NL	1/2	7/8-14 UNF
FEM-501-10BMS-NL	1/2	1-14 UNS

Nipples

Nipple Part Number	Body Size	Port End
FEM-252-4FP	1/4	1/4-18 NPSF
FEM-252-6FO	1/4	9/16-18 NPSF
FEM-372-6FP	3/8	3/8-18 NPSF
FEM-372-8FO	3/8	3/4-16 UNF
FEM-502-8FP	1/2	1/2-14 NPSF
FEM-502-8FO	1/2	3/4-16 UNF
FEM-502-10FO	1/2	7/8-14 UNF
FEM-502-12FO	1/2	1 1/16-12 UN
FEM-622-12FO	5/8	1 1/16-12 UN
FEM-752-12FP	3/4	3/4-14 NPSF
FEM-752-12FO	3/4	1-1/16 12 UN
FEM-1002-16FP	1	1-11 1/2 NPSF
FEM-1002-16FO	1	1-5/16 12 UN

FEM/FEC Series

Couplers

Coupler Part Number	Body Size	Port End
FEM-251-4FP-NL	1/4	1/4-18 NPSF
FEM-251-6FO-NL	1/4	9/16-18 UNF
FEM-371-6FP-NL	3/8	3/8-18 NPSF
FEM-371-8FO-NL	3/8	3/4-16 UNF
FEM-501-8FP-NL	1/2	1/2-14 NPSF
FEM-501-8FO-NL	1/2	3/4-16 UNF
FEM-501-10FO-NL	1/2	7/8-14 UNF
FEM-501-12FO-NL	1/2	1 1/16-12 UNF
FEM-621-12FO-NL	5/8	1 1/16-12 UNF
FEM-751-12FP-NL	3/4	3/4-14 NPSF
FEM-751-12FO-NL	3/4	1 1/16-12 UNF
FEM-1001-16FP-NL	1	1-11 1/2-NPSF
FEM-1001-16FO-NL	1	1 5/16-12 UNF

Nipples (Bulkhead)

Nipple Part Number	Body Size	Port End
FEM-502-10BMF	1/2	7/8-14 UNF
FEM-502-10BMS	1/2	1-14 UNS

Standard Port Configurations:
- FP - Female Pipe Thread
- FO - Female Straight Thread
- BMF - Blukhead Flare
- BMS - Bulkhead Face Seal

Other fitting port configurations available upon request.

Dimensions and pressures are for reference only and are subject to change.

Connect Under Pressure Nipples

Part Number	Body Size	Mating Half	Port End
FEC-502-8FP	1/2	FEM-501	1/2-14 NPSF
FEC-502-10FO	1/2	FEM-501	7/8-14 UNF
FEC-502-12FO	1/2	FEM-501	1 1/16-12 UNF
FEC-622-12FO	5/8	FEM-621	1 1/16-12 UN
FEC-752-12FO	3/4	FEM-751	1 1/16-12 UN

Standard Port Configurations:
FP - Female Pipe Thread
FO - Female Straight Thread

Dust Caps

Nipple Dust Cap	Coupler Dust Cap	Body Size
CFE-252-PN	**PFE-251-PN**	1/4
CFE-372-PN	**PFE-371-PN**	3/8
CFE-502-PN	**PFE-501-PN**	1/2
CFE-622-PN	**PFE-621-PN**	5/8
CFE-752-PN	**PFE-751-PN**	3/4
CFE-1002-PN	**PFE-1001-PN**	1

FH Series

Couplers

Part Number Steel	Body Size	Thread Size
FH-371-6FP	3/8	3/8 -18 NPTF
FH-371-6MP	3/8	3/8 -18 NPTF
FH-371-6FB	3/8	G3/8 -BSPP

Nipples

Part Number Steel	Body Size	Thread Size
FH-372-6FP	3/8	3/8-18 NPTF
FH-372-6FB	3/8	G3/8 -BSPP

Standard Port Configurations:
FP - Female Pipe Thread
MP - Male Pipe Thread
FB - Female British Standard Pipe Parallel

Dust Caps

Coupler Dust Cap (Rubber)	Nipple Dust Cap (Rubber)	Body Size
NR-50	**NR-37**	3/8

FS Series (Non-Spill Couplers)

Couplers

Female Thread

Coupler Part Number	Body Size	Port End
FS-251-4FP	1/4	1/4-18 NPT
FS-251-4MP	1/4	1/4-18 NPTF
FS-251-6FO	1/4	9/16-18UNF
FS-371-6FP	3/8	3/8-18 NPT
FS-371-8FO	3/8	3/4-16 UNF
FS-501-8FP	1/2	1/2-14 NPT
FS-501-10FO	1/2	7/8-14 UNF
FS-751-12FP	3/4	3/4-14 NPT
FS-751-12FO	3/4	1-1/16-12 UNF
FS-1001-16FP	1	1-11 1/2 NPT
FS-1001-16FO	1	1-5/16-12 UNF

Nipples

Female Thread

Coupler Part Number	Body Size	Port End
FS-252-4FP	1/4	1/4-18 NPT
FS-252-4MP	1/4	1/4-18 NPTF
FS-252-6FO	1/4	9/16-18 UNF
FS-372-6FP	3/8	3/8-18 NPT
FS-372-8FO	3/8	3/4-16 UNF
FS-502-8FP	1/2	1/2-14 NPT
FS-502-10FO	1/2	7/8-14 UNF
FS-752-12FP	3/4	3/4-14 NPT
FS-752-12FO	3/4	1-1/16-12 UNF
FS-1002-16FP	1	1-11 1/2 NPT
FS-1002-16FO	1	1-5/16 12 UNF

Standard Port Configurations:
FP - Female Pipe Thread
FO - Female Straight Thread
MP - Male Pipe Thread

Dust Caps

Coupler Dust Cap (Rubber)	Nipple Dust Cap (Rubber)	Body Size
FR-25	**FR-25**	1/4
NR-50	**NR-37**	3/8
FR-501	**FR-502**	1/2
FR-751	**FR-752**	3/4
FR-1001	**FR-1002**	1

Dimensions and pressures are for reference only and are subject to change.

6100 Series

Coupling Set with WingNut

Part Number With Flange	Part Number Without Flange	Body Size	Thread Size
6100-08	6120-08	3/4	1/2-14 NPTF
6100-12	6120-12	3/4	3/4-14 NPTF
6100-16	6120-16	1	1-11 1/2 NPTF
6100-20	6120-20	1 1/4	1 1/4-11 1/2 NPTF
6100-24	6120-24	1 1/2	1 1/2-11 1/2 NPTF

Coupling Set with Hex Nut

Part Number With Flange	Part Number Without Flange	Body Size	Thread Size
6110-08	6130-08	3/4	1/2-14 NPTF
6110-12	6130-12	3/4	3/4-14 NPTF
6110-16	6130-16	1	1-11 1/2 NPTF
6110-20	6130-20	1 1/4	1 1/4-11 1/2 NPTF
6110-24	6130-24	1 1/2	1 1/2-11 1/2 NPTF

Nipples

Part Number without Flange Brass	Part Number with Flange Brass	Body Size	Thread Size
6105-08	6115-08	3/4	1/2-14 NPTF
6105-12	6115-12	3/4	3/4-14 NPTF
6105-16	6115-16	1	1-11 1/2 NPTF
6105-20	6115-20	1 1/4	1 1/4-11 1/2 NPTF
6105-24	6115-24	1 1/2	1 1/2-11 1/2 NPTF

Dust Caps for Nipples

Part Number	Body Size
6108-08	3/4
6108-16	1
6108-20	1 1/4
6108-24	1 1/2

Dust Plugs for Couplers

Part Number	Body Size
6109-08	3/4
6109-16	1
6109-20	1 1/4
6109-24	1 1/2

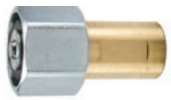
Couplers

Wingnut

Part Number Brass	Body Size	Thread Size
6125-08	3/4	1/2-14 NPTF
6125-12	3/4	3/4-14 NPTF
6125-16	1	1-11 1/2 NPTF
6125-20	1 1/4	1 1/4-11 1/2 NPTF
6125-24	1 1/2	1 1/2-11 1/2 NPTF

Couplers

Hex Nut



Part Number Brass	Body Size	Thread Size
6135-08	3/4	1/2-14 NPTF
6135-12	3/4	3/4-14 NPTF
6135-16	1	1-11 1/2 NPTF
6135-20	1 1/4	1 1/4-11 1/2 NPTF
6135-24	1 1/2	1 1/2-11 1/2 NPTF

Mounting Flanges

Part Number Steel	Body Size
6107-08 (1 piece)	3/4
6107-16 (1 piece)	1
6107-20 (2 piece)	1 1/4
6107-24 (2 piece)	1 1/2

5000 Series

Couplers

Coupler Part Number	Body Size	Port End	Valve Type
5050-4	1/2	1/2-14 NPTF	Ball

Nipples

Nipple Part Number	Body Size	Port End	Valve Type
8010-4	1/2	1/2-14 NPTF	Ball
8010-15	1/2	3/4-16 ORB	Ball
8010-16	1/2	7/8-14 ORB	Ball

Dust Plugs and Caps

Dust Plug (Coupler)	Dust Cap (Nipple)	Body Size
5205-4M	5209-4M	1/2
5205-4M-BU	5209-4M-BU	1/2
5205-4M-GR	5209-4M-GR	1/2
5205-4M-RE	5209-4M-RE	1/2
5205-4M-YE	5205-4M-YE	1/2
5005-4	5009-4	1/2

Color Codes: -BU = Blue -GR = Green -RE = Red -YE = Yellow

Dimensions and pressures are for reference only and are subject to change.

3000 Series

Couplers

Coupler Part Number	Body Size	Port End	Valve Type
3050-2	1/4	1/4-18 NPTF (Male)	Ball
3050-3	3/8	3/8-18 NPTF (Male)	Ball
3050-3-231	3/8	3/8-18 NPTF (Female)	Ball

Nipples

Nipple Part Number	Body Size	Port End	Valve Type
3010-2	1/4	1/4-18 NPTF (Female)	Ball
3010-3	3/8	3/8-18 NPTF (Female)	Ball
3010-3-230	3/8	3/8-18 NPTF (Male)	Ball

Dust Plugs and Caps

Dust Cap (Nipple)	Dust Plug (Coupler)	Body Size
3009-2	3005-2	1/4
3009-3	3005-3	3/8

ST Series

Couplers

Female Pipe Thread

Brass Part Number	Body Size	Port End
BST-1	1/8	1/8-27 NPTF
BST-2	1/4	1/4-18 NPTF
BST-3	3/8	3/8-18 NPTF
BST-4	1/2	1/2-14 NPTF
BST-6	3/4	3/4-14 NPTF
BST-8	1	1-11 1/2 NPTF
BST-10	1-1/4	1 1/4-11 1/2 NPTF
BST-12	1-1/2	1 1/2-11 1/2 NPTF

Couplers

Male Pipe Thread

Brass Part Number	Body Size	Port End
BST-1M	1/8	1/8-27 NPTF
BST-2M	1/4	1/4-18 NPTF
BST-3M	3/8	3/8-18 NPTF
BST-4M	1/2	1/2-14 NPTF
BST-6M	3/4	3/4-14 NPTF
BST-8M	1	1-11 1/2 NPTF

Nipples

Female Pipe Thread

Brass Part Number	Steel Part Number	Body Size
BST-N1	ST-N1	1/8
BST-N2	ST-N2	1/4
BST-N3	ST-N3	3/8
BST-N4	ST-N4	1/2
BST-N6	ST-N6	3/4
BST-N8	ST-N8	1
BST-N10	—	1-1/4
BST-N12	—	1-1/2

Nipples

Male Pipe Thread

Brass Part Number	Steel Part Number	Body Size
BST-N1M	ST-N1M	1/8
BST-N2M	ST-N2M	1/4
BST-N3M	ST-N3M	3/8
BST-N4M	ST-N4M	1/2
BST-N6M	ST-N6M	3/4
BST-N8M	ST-N8M	1
BST-N10M	—	1-1/4
BST-N12M	—	1-1/2

1163 Series (Water Service Couplers)

Coupler

Coupler Part Number	Body Size	Port End
1163-60	3/4	3/4-11 1/2 NH

Nipple

Nipple Part Number	Body Size	Port End
1163-61	3/4	3/4-11 1/2 NH

Dimensions and pressures are for reference only and are subject to change.

Parker Safety for Selecting and Using Quick Action Couplings and Related Accessories

⚠ DANGER: Failure or improper selection or improper use of quick action couplings, or related accessories can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of hose, fittings, or related accessories include but are not limited to:

- Couplings or parts at high speed.
- High velocity fluid discharge.
- Explosion or burning of the conveyed fluid.
- Contact with suddenly moving or falling objects that are to be held in position or moved by the conveyed fluid.
- Dangerously whipping hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion while paint or flammable liquid spraying.

Before selecting or using any Parker quick action couplings or related accessories, it is important that you read and follow the following instructions.

1.0 General Instructions

1.1 Scope: This safety guide provides instructions for selecting and using (including installing connecting, disconnecting, and maintaining) quick action couplings and related accessories (including caps, plugs, blow guns, and two way valves). This safety guide is a supplement to and is to be used with, the specific Parker publications for the specific quick action couplings and related accessories that are being considered for use.

1.2 Fail-Safe: Quick action couplings or the hose they are attached to can fail without warning for many reasons. Design all systems and equipment in a fail-safe mode, so that failure of the quick action coupling or hose will not endanger persons or property.

1.3 Distribution: Provide a copy of this safety guide to each person that is responsible for selecting or using quick action coupling products. Do not select or use quick action couplings without thoroughly reading and understanding this safety guide as well as the specific Parker publications for the products considered or selected.

1.4 User Responsibility: Due to the wide variety of operating conditions and uses for quick action couplings, Parker and its distributors do not represent or warrant that any particular quick action coupling is suitable for any specific end use system. This safety guide does not analyze all technical parameters that must be considered in selecting a product. The user, through its own analysis and testing, is solely responsible for:

- Making the final selection of the quick action couplings.
- Assuring that the user's requirements are met and that the use presents no health or safety hazards.
- Providing all appropriate health and safety warnings on the equipment on which the quick action couplings are used.

1.5 Additional Questions: Call the appropriate Parker customer service department if you have any questions or require any additional information. For the telephone numbers of the appropriate customer service department, see the Parker publication for the product being considered or used.

2.0 Quick Action Coupling Selection Instructions

2.1 Pressure: Quick action couplings selection must be made so that the published rated pressure of the coupling is equal to or greater than the maximum system pressure. Surge pressures in the system higher than the rated pressure of the coupling will shorten the quick action coupling's life. Do not confuse burst pressure or other pressure values with rated pressure and do not use burst pressure or other pressure values for this purpose.

2.2 Fluid Compatibility: Quick action couplings selection must assure compatibility of the body and seal materials with the fluid media used. See the fluid compatibility chart in the Parker publication for the product being considered or used.

2.3 Temperature: Be certain that fluid and ambient temperatures, both steady and transient, do not exceed the limitations of the quick action couplings. Use caution and hand protection when connecting or disconnecting quick action couplings that are heated or cooled by the media they are conducting or by their environment.

2.4 Size: Transmission of power by means of pressurized liquid varies with pressure and rate of flow. The size of the quick action couplings and other components of the system must be adequate to keep pressure losses to a minimum and avoid damage due to heat generation or excessive fluid velocity.

2.5 Pressurized Connect or Disconnect: If connecting or disconnecting under pressure is a requirement, use only quick action couplings designed for that purpose. The rated operating pressure of a quick action coupling may not be the pressure at which it may be safely connected or disconnected.

2.6 Environment: Care must be taken to ensure that quick action couplings are either compatible with or protected from the environment (that is, surrounding conditions) to which they are exposed. Environmental conditions including but not limited to ultraviolet radiation, ozone, moisture, water, salt water, chemicals, and air pollutants can cause degradation and premature failure.

2.7 Locking Means: Ball locking quick action couplings can unintentionally disconnect if they are dragged over obstructions on the end of a hose or if the sleeve is bumped or moved enough to cause disconnect. Sleeves designed with flanges to provide better gripping for oily or gloved hands are especially susceptible to accidental disconnect and should not be used where these conditions exist. Sleeve lock or union (threaded) sleeve designs should be considered where there is a potential for accidental uncoupling.

2.8 Mechanical Loads: External forces can significantly reduce quick action couplings' life or cause failure. Mechanical loads which must be considered include excessive tensile or side loads, and vibration. Unusual applications may require special testing prior to quick action couplings selection.

2.9 Specifications and Standards: When selecting quick action couplings, government, industry, and Parker specifications must be reviewed and followed as applicable.

2.10 Vacuum: Not all quick action couplings are suitable or recommended for vacuum service. Quick action couplings used for vacuum applications must be selected to ensure that the quick actions couplings will withstand the vacuum and pressure of the system.

2.11 Fire Resistant Fluids: Some fire resistant fluids require seals other than the standard nitrile used in many quick action couplings.

2.12 Radiant Heat: Quick action couplings can be heated to destruction or loss of sealability without contact by such nearby items as hot manifolds or molten metal. The same heat source may then initiate a fire. This can occur despite the presence of cool air around the quick action couplings.

2.13 Welding and Brazing: Heating of plated parts, including quick action couplings and port adapters, above 450°F (232°C) such as during welding, brazing, or soldering may emit deadly gases and may cause coupling seal damage.

3.0 Quick Action Coupling Installation Instructions

3.1 Pre-Installation Inspection: Before installing a quick action coupling, visually inspect it and check for correct style, body material, seal material, and catalog number. Before final installation, coupling halves should be connected and disconnected with a sample of the mating half with which they will be used.

3.2 Quick Action Coupling Halves From Other Manufacturers: If a quick action coupling assembly is made up of one Parker half and one half from another manufacturer, the lowest pressure rating of the two halves should not be exceeded.

3.3 Fitting Installation: Use a thread sealant, lubricant, or a combination of both when assembling pipe thread joints in quick action couplings. Be sure the sealant is compatible with the system fluid or gas. To avoid system contamination, use a liquid or paste type sealant rather than a tape style. Use the flats provided to hold the quick action coupling when installing fittings. Do not use pipe wrenches or a vice on other parts of the coupling to hold it when installing or removing fittings as damage or loosening of threaded joints in the coupling assembly could result. Do not apply excessive torque to taper pipe threads because cracking or splitting of the female component can result.

3.4 Caps and Plugs: Use Dust Plugs and Caps when quick action couplings are not coupled to exclude dirt and contamination and to protect critical surfaces from damage.

3.5 Coupling Location: Locate quick action couplings where they can be reached for connect or disconnect without exposing the operator to slipping, falling, getting sprayed, or coming in contact with hot or moving parts.

3.6 Hose Whips: Use a hose whip (a short length of hose between the tool and the coupling half) instead of rigidly mounting a coupling half on hand tools or other devices. This reduces the potential for coupling damage if the tool is dropped and provides some isolation from mechanical vibration which could cause uncoupling.

4.0 Quick Action Coupling Maintenance Instructions

4.1 Even with proper selection and installation, quick action coupling life may be significantly reduced without a continuing maintenance program. Frequency should be determined by the severity of the application and risk potential. A maintenance program must be established and followed by the user and must include the following as a minimum:

4.2 Visual Inspection of Quick Action Couplings: Any of the following conditions require immediate shut down and replacement of the quick action coupling:

- Cracked, damaged, or corroded quick action coupling parts.
- Leaks at the fitting, valve or mating seal.
- Broken coupling mounting hardware, especially breakaway clamps.

4.3 Visual Inspection All Other: The following items must be tightened, repaired or replaced as required:

- Leaking seals or port connections.
- Remove excess dirt buildup on the coupling locking means or on the interface area of either coupling half.
- Clamps, guards, and shields.
- System fluid level, fluid type and any air entrapment.

4.4 Functional Test: Operate the system at maximum operating pressure and check for possible malfunctions and freedom from leaks. Personnel must avoid potential hazardous areas while testing and using the system.

4.5 Replacement Intervals: Specific replacement intervals must be considered based on previous service life, government or industry recommendations, or when failures could result in unacceptable downtime, damage or injury risk. See instruction 1.2 above.

Additional copies of the preceding safety information can be ordered by requesting "Safety Guide For Selecting and Using Quick Action Couplings and Related Accessories," Parker Publication No. 3800-B1.0

Contact the Quick Coupling Division, Minneapolis, MN.