

Furon® NPT Connection Fittings

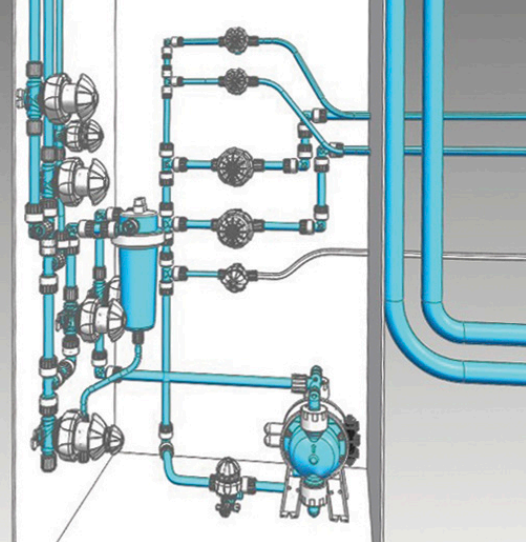
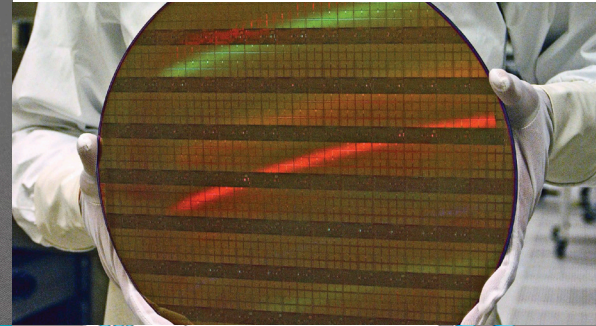
Tapered Sealing Solution for Fluoropolymer Tubing

Furon NPT Connections are US standardized fittings commonly used for joining pipe for fluid and gas transfer. They rely on thread deformation, a sealing design where the tapered threads of the connectors themselves form together, giving a more reliable binding connection. This connection fitting is ideal for single assembly applications.

Applications

Furon NPT Connection Fitting offers a simple solution to help with the transfer of liquid or gas for demanding applications in various industries where simplicity, high-purity and chemical resistance is a must.

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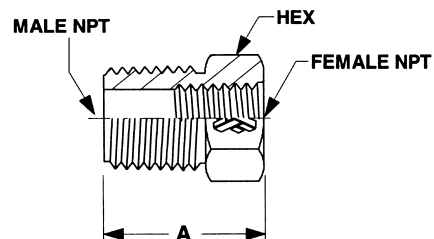


Features and Benefits

- Fluoropolymer construction
- Large variety of configurations:
 - Bushing - Plug - Coupling
 - Nipple - Elbow - Tee
- Transition fitting to FuseBond™ connections
- Simple & easy installation

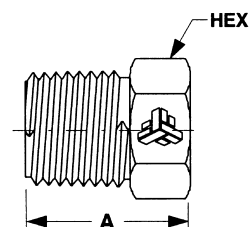
Furon NPT Bushing

Part Number	Male NPT Size	Female NPT Size	A (mm)	HEX Flat (mm)
MPF42B	1/4"	1/8"	1.94" (23.9)	0.56" (14.2)
MPF64B	3/8"	1/4"	1.00" (25.4)	0.68" (17.3)
MPF84B	1/2"	1/4"	1.00" (25.4)	1.00" (25.4)
MPF86B	1/2"	3/8"	1.00" (25.4)	1.00" (25.4)
MPF128B	3/4"	1/2"	1.13" (28.7)	1.25" (31.8)



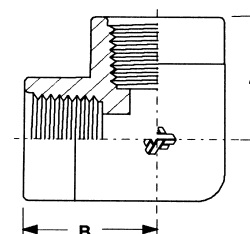
Furon NPT Plug

Part Number	Male NPT Size	A (mm)	HEX Flat (mm)
MPF4P	1/4"	1.75" (19.1)	0.50" (12.7)
MPF6P	3/8"	0.88" (22.4)	0.68" (17.3)
MPF8P	1/2"	1.00" (25.4)	0.88" (22.4)



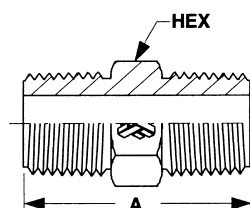
Furon NPT Elbow

Part Number	Female NPT Size	A (mm)	B (mm)
MPF4E	1/4"	0.81" (20.6)	0.81" (20.6)
MPF8E	1/2"	1.13" (28.7)	1.13" (28.7)



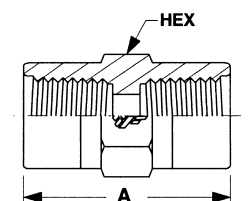
Furon NPT Nipple

Part Number	Male NPT Size	A (mm)	HEX Flat (mm)
MPF4N	1/4"	1.25" (31.8)	0.50" (12.7)
MPF6N	3/8"	1.38" (35.1)	0.68" (17.3)
MPF8N	1/2"	1.68" (42.7)	0.87" (21.1)
MPF12N	3/4"	1.88" (47.8)	1.25" (31.8)



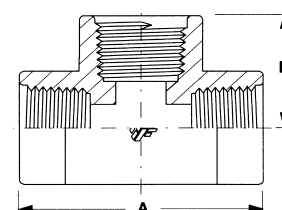
Furon NPT Coupling

Part Number	Male NPT Size	A (mm)	HEX Flat (mm)
MPF4C	1/4"	1.50" (38.1)	0.81" (20.6)
MPF8C	1/2"	1.50" (38.1)	1.25" (31.8)



Furon NPT Tee

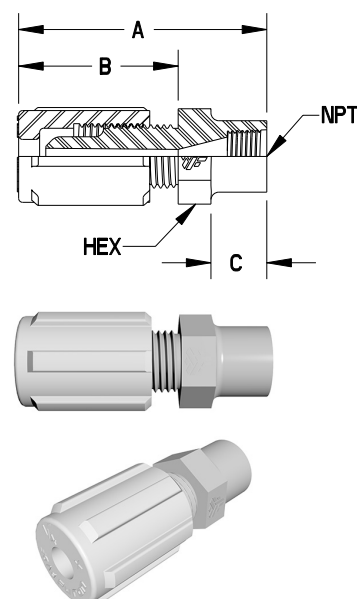
Part Number	Male NPT Size	A (mm)	HEX Flat (mm)
MPF4T	1/4"	1.63" (41.4)	0.81" (20.6)
MPF8T	1/2"	2.25" (57.1)	1.13" (28.7)



NPT Connections with FlareGrip® II Fittings

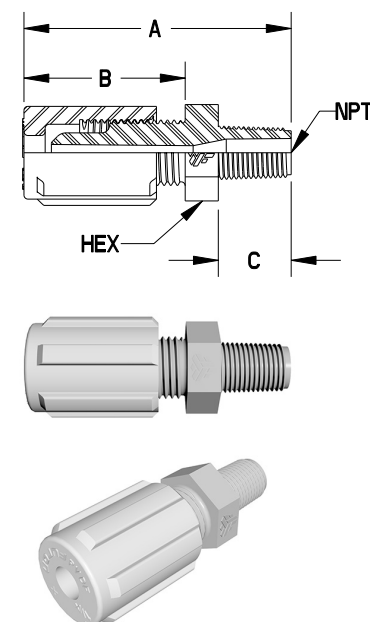
Furon® FlareGrip® II Union Adapter Female

Part Number	Tube Size (mm)	Female NPT (in)	Orifice (mm)	A (mm)	B (mm)	C (mm)	HEX (mm)
FMF42UAFN - 1	1/4" (6.4)	1/8	0.125" (3.18)	1.89" (48.1)	1.22" (30.9)	0.43" (10.8)	0.63" (16.0)
FMF44UAFN - 1	1/4" (6.4)	1/4	0.125" (3.18)	2.05" (52.0)	1.22" (30.9)	0.58" (14.8)	0.94" (23.9)
FMF46UAFN - 1	1/4" (6.4)	3/8	0.125" (3.18)	2.06" (52.2)	1.22" (30.9)	0.59" (14.9)	0.94" (23.9)
FMF48UAFN - 1	1/4" (6.4)	1/2	0.125" (3.18)	2.20" (55.8)	1.22" (30.9)	0.73" (18.5)	0.19" (30.2)
FMF62UAFN - 1	3/8" (9.5)	1/8	0.250" (6.35)	1.99" (50.5)	1.31" (33.4)	0.43" (10.8)	0.63" (16.0)
FMF64UAFN - 1	3/8" (9.5)	1/4	0.250" (6.35)	2.13" (54.1)	1.30" (32.9)	0.58" (14.8)	0.94" (23.9)
FMF66UAFN - 1	3/8" (9.5)	3/8	0.250" (6.35)	2.14" (54.2)	1.30" (32.9)	0.59" (14.9)	0.94" (23.9)
FMF68UAFN - 1	3/8" (9.5)	1/2	0.250" (6.35)	2.28" (57.8)	1.30" (32.9)	0.73" (18.5)	1.25" (31.8)
FMF84UAFN - 1	1/2" (12.7)	1/4	0.375" (9.53)	2.24" (56.9)	1.41" (35.7)	0.58" (14.8)	0.94" (23.9)
FMF86UAFN - 1	1/2" (12.7)	3/8	0.375" (9.53)	2.25" (57.0)	1.41" (35.7)	0.59" (14.9)	0.94" (23.9)
FMF88UAFN - 1	1/2" (12.7)	1/2	0.375" (9.53)	2.43" (61.6)	1.45" (36.8)	0.73" (18.5)	1.13" (28.7)
FMF812UAFN - 1	1/2" (12.7)	3/4	0.375" (9.53)	2.44" (62.0)	1.45" (36.8)	0.74" (18.8)	1.38" (35.1)
FMF816UAFN - 1	1/2" (12.7)	1	0.375" (9.53)	2.59" (65.8)	1.45" (36.8)	0.59" (14.9)	1.19" (30.2)
FMF128UAFN - 1	3/4" (19.1)	1/2	0.625" (15.88)	2.50" (63.6)	1.52" (38.7)	0.73" (18.5)	1.19" (30.2)
FMF1212UAFN - 1	3/4" (19.1)	3/4	0.625" (15.88)	2.53" (64.2)	1.54" (39.0)	0.74" (18.8)	1.38" (35.1)
FMF1216UAFN - 1	3/4" (19.1)	1	0.375" (9.53)	2.68" (68.1)	1.54" (39.0)	0.59" (14.9)	1.63" (41.4)
FMF168UAFN - 1	1" (25.4)	1/2	0.632" (16.05)	2.75" (69.9)	1.77" (45.0)	0.73" (18.5)	1.44" (36.6)
FMF1612UAFN - 1	1" (25.4)	3/4	0.875" (22.23)	2.75" (69.9)	1.77" (45.0)	0.74" (18.8)	1.44" (36.6)
FMF1616UAFN - 1	1" (25.4)	1	0.875" (22.23)	2.75" (69.8)	1.76" (44.6)	0.90" (22.7)	1.63" (41.4)



Furon® FlareGrip® II Union Adapter Male

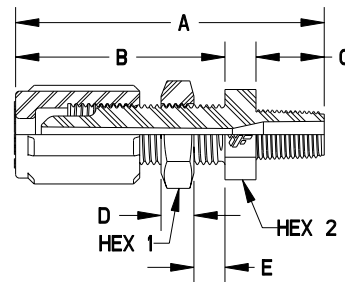
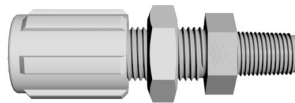
Part Number	Tube Size (mm)	Male NPT (mm)	Orifice (mm)	A (mm)	B (mm)	C (mm)	HEX (mm)
FMF42UAMN - 1	1/4" (6.4)	1/8" (3.2)	0.125" (3.18)	2.02" (51.2)	1.22" (30.9)	0.55" (14.0)	0.63" (16.0)
FMF44UAMN - 1	1/4" (6.4)	1/4" (6.4)	0.125" (3.18)	2.02" (51.2)	1.22" (30.9)	0.55" (14.0)	0.63" (16.0)
FMF46UAMN - 1	1/4" (6.4)	3/8" (9.5)	0.125" (3.18)	2.02" (51.2)	1.22" (30.9)	0.55" (14.0)	0.81" (20.6)
FMF48UAMN - 1	1/4" (6.4)	1/2" (12.7)	0.125" (3.18)	2.14" (54.3)	1.22" (30.9)	0.67" (17.0)	0.94" (23.9)
FMF412UAMN - 1	1/4" (6.4)	3/4" (19.1)	0.125" (3.18)	2.14" (54.3)	1.22" (30.9)	0.67" (17.0)	1.19" (30.2)
FMF62UAMN - 1	3/8" (9.5)	1/8" (3.2)	0.215" (5.46)	2.11" (53.7)	1.31" (33.4)	0.55" (14.0)	0.81" (20.6)
FMF64UAMN - 1	3/8" (9.5)	1/4" (6.4)	0.250" (6.35)	2.11" (53.7)	1.31" (33.4)	0.55" (14.0)	0.81" (20.6)
FMF66UAMN - 1	3/8" (9.5)	3/8" (9.5)	0.250" (6.35)	2.11" (53.7)	1.31" (33.4)	0.55" (14.0)	0.81" (20.6)
FMF68UAMN - 1	3/8" (9.5)	1/2" (12.7)	0.250" (6.35)	2.23" (56.7)	1.31" (33.4)	0.67" (17.0)	0.94" (23.9)
FMF612UAMN - 1	3/8" (9.5)	3/4" (19.1)	0.250" (6.35)	2.23" (56.7)	1.31" (33.4)	0.67" (17.0)	1.19" (30.2)
FMF616UAMN - 1	3/8" (9.5)	1" (25.4)	0.250" (6.35)	2.41" (61.3)	1.31" (33.4)	0.85" (21.6)	1.44" (36.6)
FMF82UAMN - 1	1/2" (12.7)	1/8" (3.2)	0.215" (5.46)	2.22" (56.5)	1.42" (36.1)	0.55" (14.0)	0.94" (23.9)
FMF84UAMN - 1	1/2" (12.7)	1/4" (6.4)	0.302" (7.67)	2.22" (56.5)	1.42" (36.1)	0.55" (14.0)	0.94" (23.9)
FMF86UAMN - 1	1/2" (12.7)	3/8" (9.5)	0.375" (9.53)	2.22" (56.5)	1.42" (36.1)	0.55" (14.0)	0.94" (23.9)
FMF88UAMN - 1	1/2" (12.7)	1/2" (12.7)	0.375" (9.53)	2.34" (59.5)	1.42" (36.1)	0.67" (17.0)	0.94" (23.9)
FMF812UAMN - 1	1/2" (12.7)	3/4" (19.1)	0.375" (9.53)	2.34" (59.5)	1.42" (36.1)	0.67" (17.0)	1.19" (30.2)
FMF816UAMN - 1	1/2" (12.7)	1" (25.4)	0.375" (9.53)	2.52" (64.1)	1.42" (36.1)	0.85" (21.6)	1.44" (36.6)
FMF128UAMN - 1	3/4" (19.1)	1/2" (12.7)	0.546" (13.87)	2.44" (62.1)	1.52" (38.7)	0.67" (17.0)	1.19" (30.2)
FMF1212UAMN - 1	3/4" (19.1)	3/4" (19.1)	0.625" (15.88)	2.44" (62.1)	1.52" (38.7)	0.67" (17.0)	1.19" (30.2)
FMF1216UAMN - 1	3/4" (19.1)	1" (25.4)	0.625" (15.88)	2.62" (66.6)	1.52" (38.7)	0.85" (21.6)	1.44" (36.6)
FMF168UAMN - 1	1" (25.4)	1/2" (12.7)	0.546" (13.87)	2.69" (68.4)	1.77" (45.0)	0.67" (17.0)	1.44" (36.6)
FMF1612UAMN - 1	1" (25.4)	3/4" (19.1)	0.742" (18.85)	2.69" (68.4)	1.77" (45.0)	0.67" (17.0)	1.44" (36.6)
FMF1616UAMN - 1	1" (25.4)	1" (25.4)	0.875" (22.23)	2.87" (73.0)	1.77" (45.0)	0.85" (21.6)	1.44" (36.6)



NPT Connections with FlareGrip® II Fittings

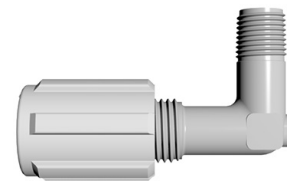
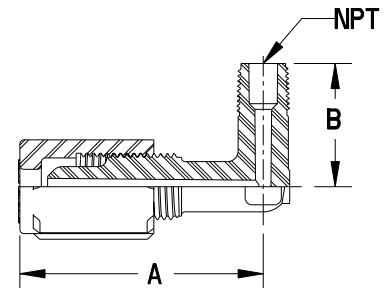
Furon® FlareGrip® II Union Adapter Male Panel

Part Number	Tube Size (mm)	Male NTP	Orifice (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E Max (mm)	HEX 1 (mm)	HEX 2 (mm)
FMF42UAMPN - 1	1/4" (6.4)	1/8"	0.150" (3.81)	2.60" (66.0)	1.80" (45.6)	0.55" (14.0)	0.27" (6.7)	0.25" (6.4)	0.75" (19.1)	0.63" (16.0)
FMF44UAMPN - 1	1/4" (6.4)	1/4"	0.150" (3.81)	2.60" (66.0)	1.80" (45.6)	0.55" (14.0)	0.27" (6.7)	0.25" (6.4)	0.75" (19.1)	0.69" (17.5)
FMF66UAMPN - 1	3/8" (9.5)	3/8"	0.250" (6.35)	2.73" (69.4)	1.93" (49.1)	0.55" (14.0)	0.27" (6.7)	0.25" (6.4)	0.94" (23.9)	0.81" (20.6)
FMF84UAMPN - 1	1/2" (12.7)	1/4"	0.302" (7.67)	2.87" (73.0)	2.07" (52.7)	0.55" (14.0)	0.27" (6.7)	0.25" (6.4)	1.06" (26.9)	0.94" (23.9)
FMF86UAMPN - 1	1/2" (12.7)	3/8"	0.375" (9.53)	2.87" (73.0)	2.07" (52.7)	0.55" (14.0)	0.27" (6.7)	0.25" (6.4)	1.06" (26.9)	0.94" (23.9)
FMF88UAMPN - 1	1/2" (12.7)	1/2"	0.375" (9.53)	2.99" (76.0)	2.07" (52.7)	0.67" (17.0)	0.27" (6.7)	0.25" (6.4)	1.06" (26.9)	0.94" (23.9)
FMF128UAMPN - 1	3/4" (19.1)	1/2"	0.546" (13.87)	3.30" (83.9)	2.38" (60.5)	0.67" (17.0)	0.27" (6.7)	0.25" (6.4)	1.31" (33.3)	1.19" (30.2)
FMF1212UAMPN - 1	3/4" (19.1)	3/4"	0.625" (15.88)	3.30" (83.9)	2.38" (60.5)	0.67" (17.0)	0.27" (6.7)	0.25" (6.4)	1.31" (33.3)	1.19" (30.2)
FMF1612UAMPN - 1	1" (25.4)	3/4"	0.742" (18.85)	3.40" (86.4)	2.48" (63.1)	0.67" (17.0)	0.27" (6.7)	0.25" (6.4)	1.75" (44.5)	1.44" (36.6)
FMF1616UAMPN - 1	1" (25.4)	1"	0.875" (22.23)	3.40" (86.4)	2.48" (63.1)	0.67" (17.0)	0.27" (6.7)	0.25" (6.4)	1.75" (44.5)	1.44" (36.6)



Furon® FlareGrip® II Elbow Adapter Male

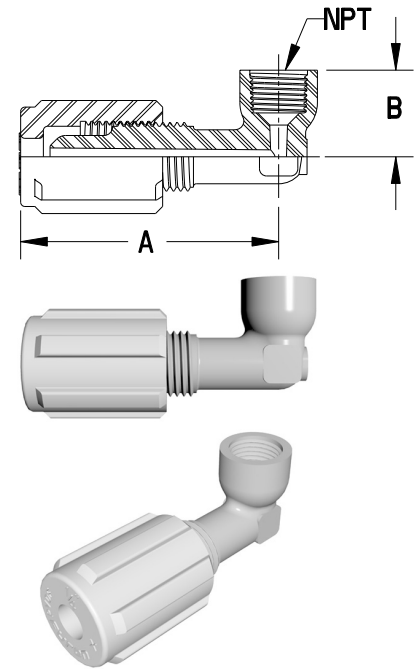
Part Number	Tube Size (mm)	Male NTP	Orifice (mm)	A (mm)	B (mm)
FMF42EAMN - 1	1/4" (6.4)	1/8" (3.2)	0.125" (3.18)	1.82" (46.2)	0.92" (23.4)
FMF44EAMN - 1	1/4" (6.4)	1/4" (6.4)	0.125" (3.18)	1.82" (46.2)	1.12" (28.4)
FMF46EAMN - 1	1/4" (6.4)	3/8" (9.5)	0.125" (3.18)	1.82" (46.2)	1.12" (28.4)
FMF48EAMN - 1	1/4" (6.4)	1/2" (12.7)	0.125" (3.18)	1.82" (46.2)	1.31" (33.3)
FMF62EAMN - 1	3/8" (9.5)	1/8" (3.2)	0.200" (5.08)	1.95" (49.6)	0.97" (24.6)
FMF64EAMN - 1	3/8" (9.5)	1/4" (6.4)	0.250" (6.35)	1.95" (49.6)	1.18" (30.0)
FMF66EAMN - 1	3/8" (9.5)	3/8" (9.5)	0.250" (6.35)	1.95" (49.6)	1.18" (30.0)
FMF68EAMN - 1	3/8" (9.5)	1/2" (12.7)	0.250" (6.35)	1.96" (49.9)	1.36" (34.5)
FMF612EAMN - 1	3/8" (9.5)	3/4" (19.1)	0.250" (6.35)	2.17" (55.2)	1.36" (34.5)
FMF84EAMN - 1	1/2" (12.7)	1/4" (6.4)	0.290" (7.37)	2.09" (53.2)	1.24" (31.5)
FMF86EAMN - 1	1/2" (12.7)	3/8" (9.5)	0.375" (9.53)	2.09" (53.2)	1.24" (31.5)
FMF88EAMN - 1	1/2" (12.7)	1/2" (12.7)	0.375" (9.53)	2.09" (53.2)	1.42" (36.1)
FMF812EAMN - 1	1/2" (12.7)	3/4" (19.1)	0.375" (9.53)	2.26" (57.5)	1.42" (36.1)
FMF128EAMN - 1	3/4" (19.1)	1/2" (12.7)	0.540" (13.72)	2.44" (62.1)	1.57" (39.9)
FMF1212EAMN - 1	3/4" (19.1)	3/4" (19.1)	0.625" (15.88)	2.45" (62.3)	1.57" (39.9)
FMF1216EAMN - 1	3/4" (19.1)	1" (25.4)	0.625" (15.88)	2.72" (69.2)	1.78" (45.2)
FMF1612EAMN - 1	1" (25.4)	3/4" (19.1)	0.660" (16.76)	2.80" (71.2)	1.82" (46.2)
FMF1616EAMN - 1	1" (25.4)	1" (25.4)	0.875" (22.23)	3.00" (76.3)	2.02" (51.3)



NPT Connections with FlareGrip® II Fittings

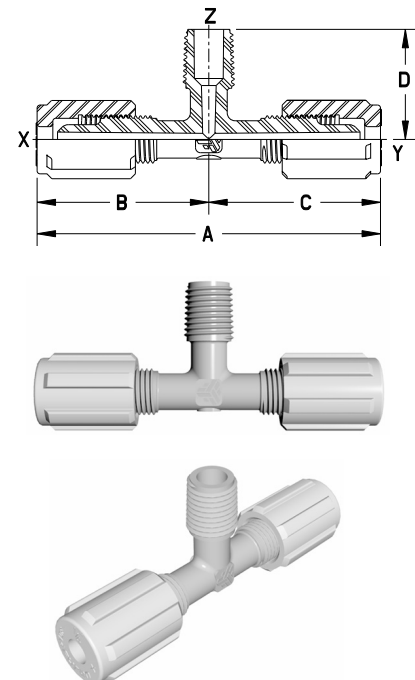
Furon® FlareGrip® II Elbow Adapter Female

Part Number	Tube Size (mm)	Female NTP (mm)	Orifice (mm)	A (mm)	B (mm)
FMF42EAFN - 1	1/4" (6.4)	1/8" (3.2)	0.125" (3.18)	1.82" (46.2)	0.61" (15.5)
FMF44EAFN - 1	1/4" (6.4)	1/4" (6.4)	0.125" (3.18)	1.82" (46.2)	0.88" (22.4)
FMF64EAFN - 1	3/8" (9.5)	1/4" (6.4)	0.250" (6.35)	1.96" (49.9)	0.85" (21.6)
FMF66EAFN - 1	3/8" (9.5)	3/8" (9.5)	0.250" (6.35)	1.95" (49.6)	0.91" (23.1)
FMF68EAFN - 1	3/8" (9.5)	1/2" (12.7)	0.875" (22.23)	1.96" (49.9)	1.13" (28.7)
FMF84EAFN - 1	1/2" (12.7)	1/4" (6.4)	0.375" (9.53)	2.09" (53.2)	0.88" (22.4)
FMF86EAFN - 1	1/2" (12.7)	3/8" (9.5)	0.375" (9.53)	2.09" (53.2)	1.00" (25.4)
FMF88EAFN - 1	1/2" (12.7)	1/2" (12.7)	0.375" (9.53)	2.09" (53.2)	1.25" (31.8)
FMF1616EAFN - 1	1" (25.4)	1" (25.4)	0.875" (22.23)	3.00" (76.3)	1.50" (38.1)



Furon® FlareGrip® II Male Branch Tee

Part Number	Tube Size (NPT) X x Y x Z			Orifice (mm)	A (mm)	B (mm)	C (mm)	D (mm)
FMF442MBTN - 1	1/4"	1/4"	1/8"	0.150" (3.81)	3.49" (88.7)	1.75" (44.4)	1.75" (44.4)	0.92" (23.4)
FMF444MBTN - 1	1/4"	1/4"	1/4"	0.150" (3.81)	3.49" (88.7)	1.75" (44.4)	1.75" (44.4)	1.12" (28.4)
FMF662MBTN - 1	3/8"	3/8"	1/8"	0.188" (4.78)	3.79" (96.2)	1.89" (48.1)	1.89" (48.1)	0.97" (24.6)
FMF664MBTN - 1	3/8"	3/8"	1/4"	0.225" (5.72)	3.79" (96.2)	1.89" (48.1)	1.89" (48.1)	1.18" (30.0)
FMF666MBTN - 1	3/8"	3/8"	3/8"	0.225" (5.72)	3.79" (96.2)	1.89" (48.1)	1.89" (48.1)	1.18" (30.0)
FMF884MBTN - 1	1/2"	1/2"	1/4"	0.250" (6.35)	4.13" (104.8)	2.06" (52.4)	2.06" (52.4)	1.24" (31.5)
FMF886MBTN - 1	1/2"	1/2"	3/8"	0.350" (8.89)	4.13" (104.8)	2.06" (52.4)	2.06" (52.4)	1.24" (31.5)
FMF888MBTN - 1	1/2"	1/2"	1/2"	0.375" (9.53)	4.13" (104.8)	2.06" (52.4)	2.06" (52.4)	1.42" (36.1)
FMF12124MBTN - 1	3/4"	3/4"	1/4"	0.150" (3.81)	4.63" (117.5)	2.31" (58.8)	2.31" (58.8)	1.39" (35.3)
FMF12128MBTN - 1	3/4"	3/4"	1/2"	0.438" (11.13)	4.63" (117.5)	2.31" (58.8)	2.31" (58.8)	1.57" (39.9)
FMF121212MBTN - 1	3/4"	3/4"	3/4"	0.600" (15.24)	4.63" (117.5)	2.31" (58.8)	2.31" (58.8)	1.57" (39.9)
FMF16164MBTN - 1	1"	1"	1/4"	0.150" (3.81)	5.61" (142.4)	2.80" (71.2)	2.80" (71.2)	1.63" (41.4)
FMF161616MBTN - 1	1"	1"	1"	0.850" (21.59)	5.61" (142.4)	2.80" (71.2)	2.80" (71.2)	2.02" (51.3)

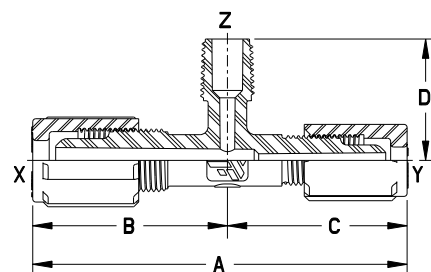
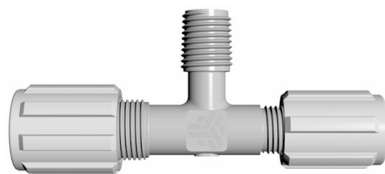
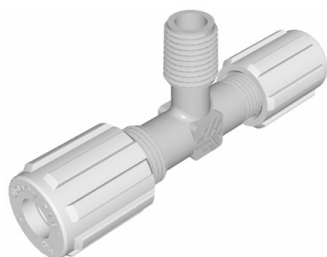


NPT Connections with FlareGrip® II Fittings

Furon® FlareGrip® II Male Branch Tee Reducer

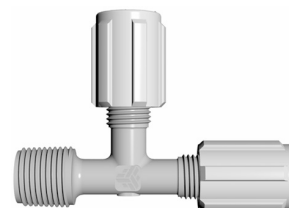
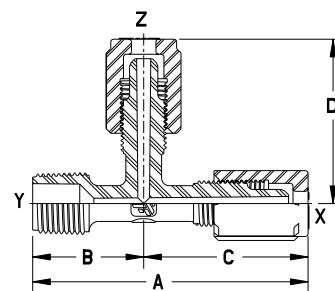
Part Number	Pipe x Pipe* x Tube (NPT) X x Y x Z	Orifice (mm)	A (mm)	B (mm)	C (mm)	D (mm)
FMF644MBTRN - 1	3/8" 1/4" 1/4"	0.150" (3.81)	3.64" (92.5)	1.89" (48.1)	1.75" (44.4)	1.18" (30.0)
FMF646MBTRN - 1	3/8" 1/4" 3/8"	0.150" (3.81)	3.64" (92.5)	1.89" (48.1)	1.75" (44.4)	1.18" (30.0)
FMF866MBTRN - 1	1/2" 3/8" 3/8"	0.250" (6.35)	3.96" (100.5)	2.06" (52.4)	1.89" (48.1)	1.18" (30.0)
FMF848MBTRN - 1	1/2" 1/4" 1/2"	0.150" (3.81)	3.81" (96.8)	2.06" (52.4)	1.75" (44.4)	1.42" (36.1)
FMF868MBTRN - 1	1/2" 3/8" 1/2"	0.250" (6.35)	3.96" (100.5)	2.06" (52.4)	1.89" (48.1)	1.42" (36.1)

* Nominal by Schedule 40



Furon® FlareGrip® II Male Run Tee

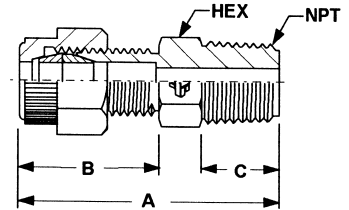
Part Number	Tube x Male x Tube (NPT) X x Y x Z	Orifice (mm)	A (mm)	B (mm)	C (mm)	D (mm)
FMF424MRTN - 1	1/4" 1/8" 1/4"	0.150" (3.81)	2.67" (67.7)	0.92" (23.4)	1.75" (44.4)	1.75" (44.4)
FMF444MRTN - 1	1/4" 1/4" 1/4"	0.150" (3.81)	2.87" (72.8)	1.12" (28.4)	1.75" (44.4)	1.75" (44.4)
FMF464MRTN - 1	1/4" 3/8" 1/4"	0.150" (3.81)	2.93" (74.3)	1.18" (30.0)	1.75" (44.4)	1.75" (44.4)
FMF626MRTN - 1	3/8" 1/8" 3/8"	0.250" (6.35)	2.81" (71.5)	0.92" (23.4)	1.89" (48.1)	1.89" (48.1)
FMF646MRTN - 1	3/8" 1/4" 3/8"	0.250" (6.35)	3.01" (76.5)	1.12" (28.4)	1.89" (48.1)	1.89" (48.1)
FMF666MRTN - 1	3/8" 3/8" 3/8"	0.250" (6.35)	3.07" (78.1)	1.18" (30.0)	1.89" (48.1)	1.89" (48.1)
FMF686MRTN - 1	3/8" 1/2" 3/8"	0.250" (6.35)	3.31" (84.2)	1.42" (36.1)	1.89" (48.1)	1.89" (48.1)
FMF868MRTN - 1	1/2" 3/8" 1/2"	0.375" (9.53)	3.24" (82.4)	1.18" (30.0)	2.06" (52.4)	2.06" (52.4)
FMF888MRTN - 1	1/2" 1/2" 1/2"	0.375" (9.53)	3.48" (88.5)	1.42" (36.1)	2.06" (52.4)	2.06" (52.4)
FMF12812MRTN - 1	3/4" 1/2" 3/4"	0.625" (15.88)	3.73" (94.8)	1.42" (36.1)	2.31" (58.8)	2.31" (58.8)
FMF121212MRTN - 1	3/4" 3/4" 3/4"	0.625" (15.88)	3.88" (98.6)	1.57" (39.9)	2.31" (58.8)	2.31" (58.8)



NPT Connections with Grab Seal™ Fittings

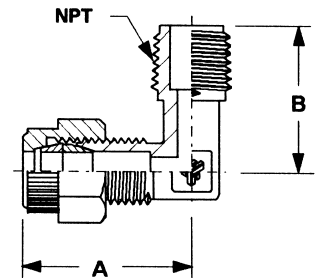
Furon Grab Seal Union Adapter Male

Part Number	O.D. Tube Size (mm)	Male NPT Size	Orifice (mm)	A (mm)	B (mm)	C (mm)	HEX Flat (mm)
IMP22UAM	1/8" (3.17)	1/8"	0.09" (2.3)	1.21" (30.7)	0.54" (13.7)	0.40" (10.1)	0.45" (11.4)
IMP24UAM	1/8" (3.17)	1/4"	0.09" (2.3)	1.31" (33.2)	0.54" (13.7)	0.50" (12.7)	0.50" (12.7)
IMP42UAM	1/4" (6.09)	1/8"	0.19" (4.8)	1.23" (31.2)	0.54" (13.7)	0.40" (10.1)	0.44" (11.2)
IMP44UAM	1/4" (6.09)	1/4"	0.19" (4.8)	1.33" (33.8)	0.54" (13.7)	0.54" (13.7)	0.50" (12.7)
IMP46UAM	1/4" (6.09)	3/8"	0.19" (4.8)	1.43" (36.3)	0.54" (13.7)	0.54" (13.7)	0.68" (17.3)
IMP48UAM	1/4" (6.09)	1/2"	0.19" (4.8)	1.54" (39.1)	0.54" (13.7)	0.63" (16.0)	0.87" (22.1)
IMP62UAM	3/8" (9.5)	1/8"	0.19" (4.8)	1.36" (34.5)	0.59" (15.0)	0.40" (10.1)	0.68" (17.3)
IMP64UAM	3/8" (9.5)	1/4"	0.31" (7.9)	1.46" (37.1)	0.59" (15.0)	0.50" (12.7)	0.68" (17.3)
IMP66UAM	3/8" (9.5)	3/8"	0.31" (7.9)	1.45" (36.8)	0.59" (15.0)	0.50" (12.7)	0.68" (17.3)
IMP68UAM	3/8" (9.5)	1/2"	0.31" (7.9)	1.59" (40.4)	0.59" (15.0)	0.63" (16.0)	0.87" (22.1)
IMP84UAM	1/2" (12.7)	1/4"	0.29" (7.4)	1.54" (39.1)	0.67" (17.0)	0.50" (12.7)	0.87" (22.1)
IMP86UAM	1/2" (12.7)	3/8"	0.42" (10.7)	1.54" (39.1)	0.67" (17.0)	0.50" (12.7)	0.87" (22.1)
IMP88UAM	1/2" (12.7)	1/2"	0.46" (11.7)	1.68" (42.7)	0.67" (17.0)	0.63" (16.0)	0.87" (22.1)
IMP812UAM	1/2" (12.7)	3/4"	0.46" (11.7)	1.97" (50.0)	0.67" (17.0)	0.80" (20.3)	1.12" (28.4)
IMP128UAM	3/4" (19.05)	1/2"	0.46" (11.7)	1.89" (48.0)	0.75" (19.0)	0.63" (16.0)	1.38" (35.0)
IMP1212UAM	3/4" (19.05)	3/4"	0.68" (17.3)	2.02" (51.3)	0.75" (19.0)	0.80" (20.3)	1.38" (35.0)
IMP1216UAM	3/4" (19.05)	1"	0.68" (17.3)	2.19" (55.6)	0.75" (19.0)	0.94" (23.9)	1.38" (35.0)
IMP1612UAM	1" (25.4)	3/4"	0.75" (19.05)	2.15" (54.6)	0.84" (21.3)	0.80" (20.3)	1.38" (35.0)
IMP1616UAM	1" (25.4)	1"	0.94" (23.9)	2.28" (57.9)	0.84" (21.3)	0.94" (23.9)	1.38" (35.0)



Furon Grab Seal Elbow Adapter Male

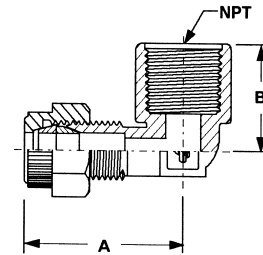
Part Number	O.D. Tube Size (mm)	Male NPT Size	Orifice (mm)	A (mm)	B (mm)
IMP22EAM	1/8" (3.17)	1/8"	0.09" (2.3)	1.11" (28)	0.72" (18.3)
IMP24EAM	1/8" (3.17)	1/4"	0.09" (2.3)	0.80" (20.3)	0.78" (19.8)
IMP42EAM	1/4" (6.09)	1/8"	0.19" (4.8)	0.81" (20.6)	0.71" (18.0)
IMP44EAM	1/4" (6.09)	1/4"	0.19" (4.8)	0.81" (20.6)	0.97" (24.6)
IMP46EAM	1/4" (6.09)	3/8"	0.19" (4.8)	0.92" (23.4)	0.85" (21.6)
IMP62EAM	3/8" (9.5)	1/8"	0.19" (4.8)	0.94" (23.9)	0.85" (21.6)
IMP64EAM	3/8" (9.5)	1/4"	0.31" (7.9)	0.94" (23.9)	0.95" (24.1)
IMP66EAM	3/8" (9.5)	3/8"	0.31" (7.9)	0.94" (23.9)	1.05" (26.7)
IMP68EAM	3/8" (9.5)	1/2"	0.31" (7.9)	1.03" (26.2)	1.13" (28.7)
IMP84EAM	1/2" (12.7)	1/4"	0.31" (7.9)	1.01" (25.7)	1.13" (28.7)
IMP86EAM	1/2" (12.7)	3/8"	0.42" (10.7)	1.01" (25.7)	1.13" (28.7)
IMP88EAM	1/2" (12.7)	1/2"	0.46" (11.7)	1.09" (27.7)	1.13" (28.7)
IMP812EAM	1/2" (12.7)	3/4"	0.46" (11.7)	1.30" (33.0)	1.50" (38.1)
IMP128EAM	3/4" (19.05)	1/2"	0.50" (12.7)	1.32" (33.5)	1.38" (35.1)
IMP1212EAM	3/4" (19.05)	3/4"	0.68" (17.3)	1.33" (33.8)	1.50" (38.1)
IMP1216EAM	3/4" (19.05)	1"	0.68" (17.3)	1.51" (38.4)	1.75" (44.5)
IMP1612EAM	1" (25.4)	3/4"	0.75" (19.05)	1.71" (43.4)	1.75" (44.5)
IMP1616EAM	1" (25.4)	1"	0.94" (23.9)	1.71" (43.4)	1.88" (47.8)



NPT Connections with Grab Seal™ Fittings

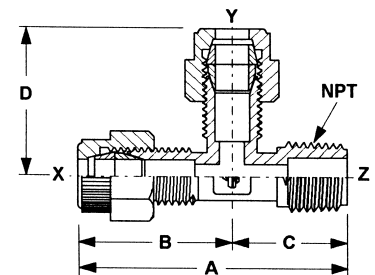
Furon Grab Seal Elbow Adapter Female

Part Number	O.D. Tube Size (mm)	Female NPT Size	Orifice (mm)	A (mm)	B (mm)
IMP44EAF	1/4" (6.09)	1/4"	0.09" (2.3)	1.03" (26.2)	0.80" (20.3)
IMP64EAF	3/8" (9.5)	1/4"	0.31" (7.9)	1.07" (27.2)	1.00" (25.4)
IMP66EAF	3/8" (9.5)	3/8"	0.31" (7.9)	1.12" (28.5)	1.00" (25.4)
IMP68EAF	3/8" (9.5)	1/2"	0.31" (7.9)	1.31" (33.3)	1.12" (28.5)
IMP86EAF	1/2" (12.7)	3/8"	0.44" (11.2)	1.18" (30.0)	1.12" (28.5)
IMP88EAF	1/2" (12.7)	1/2"	0.40" (10.2)	1.31" (33.3)	1.25" (31.8)
IMP1212EAF	3/4" (19.05)	3/4"	0.68" (17.3)	1.41" (35.9)	1.62" (41.2)
IMP1616EAF	1" (25.4)	1"	0.94" (23.9)	1.62" (41.2)	1.88" (47.8)



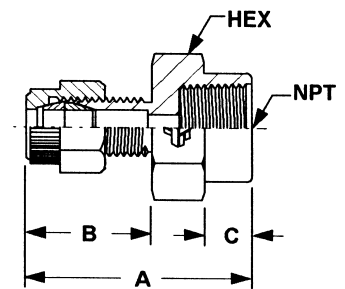
Furon Grab Seal Male Run Tee

Part Number	O.D. Tube Size X (mm)	O.D. Tube Size Y (mm)	Male NPT Size Z	Orifice (mm)	A (mm)	B (mm)	C (mm)	D (mm)
IMP2MRT	1/8" (3.17)	1/8" (3.17)	1/8"	0.09" (2.3)	1.51" (38.4)	0.74" (17.5)	0.78" (19.8)	0.74" (17.5)
IMP4MRT	1/4" (6.09)	1/4" (6.09)	1/4"	0.19" (4.8)	1.66" (42.2)	0.81" (20.6)	0.85" (21.6)	0.81" (20.6)
IMP6MRT	3/8" (9.5)	3/8" (9.5)	3/8"	0.31" (7.9)	1.88" (47.8)	0.94" (23.9)	0.94" (23.9)	0.94" (23.9)
IMP8MRT	1/2" (12.7)	1/2" (12.7)	1/2"	0.44" (11.2)	2.35" (59.7)	1.12" (28.5)	1.23" (31.2)	1.12" (28.5)
IMP12MRT	3/4" (19.05)	3/4" (19.05)	3/4"	0.69" (17.5)	2.99" (76.0)	1.49" (37.9)	1.50" (38.1)	1.49" (37.9)
IMP16MRT	1" (25.4)	1" (25.4)	1"	0.94" (23.9)	3.59" (91.2)	1.71" (43.4)	1.88" (47.8)	1.71" (43.4)



Furon Grab Seal Union Adapter Female

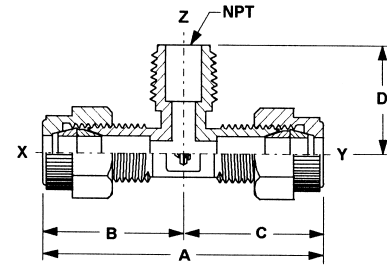
Part Number	O.D. Tube Size (mm)	Female NPT Size	Orifice (mm)	A (mm)	B (mm)	C (mm)	HEX Flat (mm)
IMP42UAF	1/4" (6.09)	1/8"	0.19" (4.8)	1.14" (29.0)	0.56" (14.2)	0.31" (7.9)	0.56" (14.2)
IMP44UAF	1/4" (6.09)	1/4"	0.19" (4.8)	1.28" (41.4)	0.56" (14.2)	0.34" (8.6)	0.94" (23.9)
IMP46UAF	1/4" (6.09)	3/8"	0.19" (4.8)	1.24" (31.5)	0.56" (14.2)	0.31" (7.9)	1.0" (25.4)
IMP48UAF	1/4" (6.09)	1/2"	0.19" (4.8)	1.33" (33.8)	0.56" (14.2)	0.40" (10.2)	1.13" (28.7)
IMP62UAF	3/8" (9.5)	1/8"	1/4" (6.09)	1.27" (32.3)	0.59" (15.0)	0.30" (7.6)	0.69" (17.5)
IMP64UAF	3/8" (9.5)	1/4"	0.31" (7.9)	1.28" (32.5)	0.59" (15.0)	0.32" (8.1)	0.94" (23.9)
IMP66UAF	3/8" (9.5)	3/8"	0.31" (7.9)	1.28" (32.5)	0.59" (15.0)	0.31" (7.9)	1.0" (25.4)
IMP68UAF	3/8" (9.5)	1/2"	0.31" (7.9)	1.36" (34.5)	0.59" (15.0)	0.40" (10.2)	1.13" (28.7)
IMP84UAF	1/2" (12.7)	1/4"	0.31" (7.9)	1.34" (34.0)	0.67" (17.0)	0.30" (7.6)	0.88" (22.4)
IMP86UAF	1/2" (12.7)	3/8"	0.45" (11.4)	1.36" (34.5)	0.67" (17.0)	0.32" (8.1)	1.13" (28.7)
IMP88UAF	1/2" (12.7)	1/2"	0.46" (11.7)	1.46" (37.1)	0.67" (17.0)	0.42" (10.7)	1.13" (28.7)
IMP812UAF	1/2" (12.7)	3/4"	0.46" (11.7)	1.56" (39.6)	0.67" (17.0)	0.38" (9.6)	1.38" (35.1)
IMP128UAF	3/4" (19.05)	1/2"	0.50" (12.7)	1.63" (41.4)	0.73" (18.5)	0.40" (10.2)	1.38" (35.1)
IMP1212UAF	3/4" (19.05)	3/4"	0.69" (17.5)	1.68" (42.8)	0.75" (19.05)	0.40" (10.2)	1.63" (41.4)
IMP1216UAF	3/4" (19.05)	1"	0.69" (17.5)	1.88" (47.8)	0.75" (19.05)	0.63" (16.0)	1.75" (44.5)
IMP1616UAF	1" (25.4)	1"	0.94" (23.9)	1.96" (49.8)	0.84" (21.3)	0.63" (16.0)	1.75" (44.5)



NPT Connections with Grab Seal™ Fittings

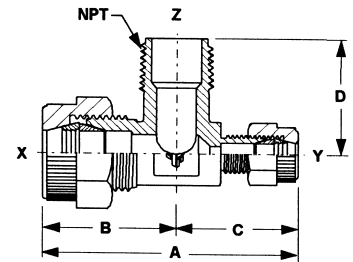
Furon Grab Seal Male Branch Tee

Part Number	O.D. Tube Size X (mm)	O.D. Tube Size Y (mm)	Male NPT Size Z	Orifice (mm)	A (mm)	B (mm)	C (mm)	D (mm)
IMP2MBT	1/8" (3.17)	1/8" (3.17)	1/8"	0.09" (2.3)	1.48" (37.6)	0.74" (17.5)	0.74" (17.5)	0.78" (19.8)
IMP4MBT	1/4" (6.09)	1/4" (6.09)	1/4"	0.19" (4.8)	1.62" (41.2)	0.81" (20.6)	0.81" (20.6)	0.82" (20.8)
IMP6MBT	3/8" (9.5)	3/8" (9.5)	3/8"	0.31" (7.9)	1.88" (47.8)	0.94" (23.9)	0.94" (23.9)	0.94" (23.9)
IMP8MBT	1/2" (12.7)	1/2" (12.7)	1/2"	0.44" (11.2)	2.24" (57.0)	1.12" (28.5)	1.12" (28.5)	1.23" (31.2)
IMP12MBT	3/4" (19.05)	3/4" (19.05)	3/4"	0.69" (17.5)	2.98" (75.7)	1.49" (37.9)	1.49" (37.9)	1.50" (38.1)
IMP16MBT	1" (25.4)	1" (25.4)	1"	0.94" (23.9)	3.42" (86.9)	1.71" (43.4)	1.71" (43.4)	1.88" (47.8)



Furon Grab Seal Male Branch Tee Reducer

Part Number	O.D. Tube Size X (mm)	O.D. Tube Size Y (mm)	Male NPT Size Z	Orifice (mm)	A (mm)	B (mm)	C (mm)	D (mm)
IMP424MBTR	1/4" (6.09)	1/8" (3.17)	1/4"	0.09" (2.3)	1.60" (40.6)	0.81" (20.6)	0.79" (20.1)	0.87" (22.1)
IMP646MBTR	3/8" (9.5)	1/4" (6.09)	3/8"	0.19" (4.8)	1.92" (48.8)	0.96" (24.5)	0.96" (24.5)	1.20" (30.5)
IMP848MBTR	1/2" (12.7)	1/4" (6.09)	1/2"	0.19" (4.8)	2.17" (55.1)	1.11" (28.2)	1.06" (26.9)	1.31" (34.6)
IMP866MBTR	1/2" (12.7)	3/8" (9.5)	3/8"	0.31" (7.9)	2.23" (56.6)	1.11" (28.2)	1.12" (28.5)	1.31" (34.6)
IMP12412MBTR	3/4" (19.05)	1/4" (6.09)	3/4"	0.19" (4.8)	2.81" (71.4)	1.49" (37.9)	1.32" (33.5)	1.62" (41.2)



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