



At Integrity Fusion Products, our goal is to provide the highest quality products to the industry, and to our customers. This philosophy has been applied to the Ductile Iron **MJ Accessory Kits** that are used extensively to make safe and secure connections to ductile-iron and gray-iron fittings, using our **Molded MJ Adapters**. The use of mechanical joint fittings works as a smooth transition point from fusible polyethylene systems and components to valves, hydrants, and other appurtenances for potable water, raw water, nonaggressive wastewater, and reclaimed water supply services. This is done using **HDPE MJ Adapters** and **NSF 61/ANSI/AWWA C-153** compliant Ductile Iron **MJ Accessory Kits** for 2" – 12" systems, and **NSF 61/ANSI/AWWA C-110** compliant Ductile Iron **MJ Accessory Kits** for 14" – 24" systems. The mechanical joint connection differs from compression fitting connections, where compressive forces are applied around the outer circumference of a pipe and/or fitting; and instead, a mechanical joint gland (follower) is used, which is made of ductile iron, to press an **AWWA C111/A.2.11-17** compliant gasket into a mechanical joint bell. Then bolts or studs are threaded through the gland (follower), mechanically squeezing the gasket into place.

MJ Adapter Kits include:

- Ductile Iron Ring per ASTM A536
- Fusion Bonded Epoxy Coating per ANSI/AWWA C116/A21.16
- High-Strength – Low Alloy Anti-Rotation T-Bolts per ASTM A242
- SBR (styrene-butadiene rubber) Gasket per AWWA C111/A2.11-7
- Manufactured according to NSF 61/ANSI/AWWA C-153 (2" – 12"), and C-110 (14" – 24")

Nominal Size	Type	OD (in.)	ID (in.)	T ₁ (thickness)	T ₂ (thickness)	Bolt Size	Bolt Qty.	Weight [lbs.]	Item Code
2"	C153	6.120	2.610	0.62	1.37	5/8 x 5	2	2.80	100580
3"	C153	7.690	4.060	0.62	1.37	5/8 x 5	4	6.30	100581
4"	C153	9.120	4.900	0.75	1.50	3/4 x 4.5	4	8.80	100582
6"	C153	11.12	7.000	0.88	1.63	3/4 x 5	6	13.8	100583
8"	C153	13.37	9.150	1.00	1.75	3/4 x 6	6	15.4	100584
10"	C153	15.62	11.20	1.00	1.75	3/4 x 6	8	21.6	100585
12"	C153	17.88	13.30	1.00	1.75	3/4 x 6	8	24.1	100586
14"	C110	20.25	15.44	1.25	2.00	3/4 x 7	10	38.7	100587
16"	C110	22.50	17.54	1.31	2.06	3/4 x 7	12	46.0	100588
18"	C110	24.83	19.64	1.38	2.13	3/4 x 7	12	55.0	100589
20"	C110	27.08	21.74	1.44	2.19	3/4 x 7	14	70.0	100590
24"	C110	31.58	25.94	1.56	2.31	3/4 x 10	16	92.0	100591