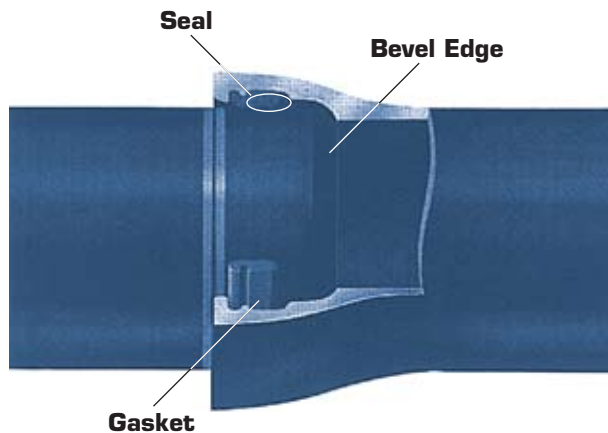


Pipe A-1

Ductile Iron Pipe

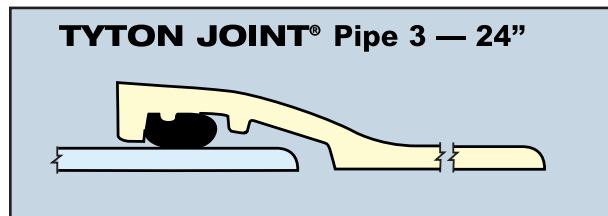
Tyton Joint® (TPO)



The Push-On joint is very simple. A single rubber sealing type joint that employs a circular rubber gasket assures a tight, permanent seal. This “push-on” type joint is simple to assemble, fast to install and eliminates the need for bolts, nuts and glands. The rubber gasket fits the inside contour of the bell which seats the gasket. The plain end of pipe is slightly beveled to further ease assembly.

Tyton Joint® pipe is highly recommended wherever there is need for an easily assembled tight joint for ductile iron pressure pipe. It is particularly well suited for water or other liquid service, providing an almost bottle tight environment. The Tyton Joint® is listed by Underwriters’ Laboratories, Inc.

TYTON JOINT® is a registered trademark of U.S. Pipe and Foundry Co.



Push-On Joint Assembly

1. Thoroughly remove all traces of foreign material from the gasket groove and bell socket. Foreign material under the gasket may cause a leak. Make a small loop in the gasket and insert in socket.
2. Apply pipe lubricant to the exposed surface of gasket and the plain-end of the pipe. Do not apply lubricant to the bell socket or the surface of the gasket in contact with the bell socket. Make sure the plain-end does not contact the ground to avoid having dirt adhere to the lubricant. Lubricant should extend up to the spigot stripes on the plain-end.
3. Make sure the plain-end is beveled. Square or sharp edges may damage or roll the gasket causing a leak. The plain-end should be in reasonably straight alignment and carefully guided into the socket. After contacting the gasket, the joint is completed by pushing the pipe until fully seated in the socket. The spigot stripes are used for references to indicate proper assembly.
4. Small pipe can be pushed into the bell with a long bar. Larger pipe requires additional force such as a jack, come-along or backhoe. When using a backhoe the pipe can be swung into position while fastened to the backhoe bucket with a sling. The pipe can then be pulled/pushed into the socket while attached to the sling. Alternately, the sling can be removed after positioning the pipe and the backhoe bucket can be used to push on the bell face for proper insertion. Care should be taken not to damage the bell when using this method.

NOTES:

- See page A-2 for ordering information. Or call your local Team EJP sales office for assistance.
- See the end of this section to order additional pipe lubricant and bronze wedges.
- See pages A-6, 7 & 8 for a comparison of wall thicknesses of Pressure Class vs Thickness Class Ductile Iron Pipe.
- See Section B for restraint devices and ductile iron mechanical joint fittings suitable for use with ductile iron pipe.
- Lubricant and gasket are furnished with pipe. Two bronze wedges are supplied per joint, if requested. See Pipe Accessory page at the end of this section.

SHORT SPEC:

Ductile Iron pipe shall be Tyton Joint®, pressure class 350 (or special thickness class as requested), double cement lined (1/8”), bituminous coated, 18-20 ft. lengths. Pipe shall be manufactured in full conformance with AWWA/ANSI C151/A21.51, AWWA/ANSI C111/A21.11 (for push-on joints) and AWWA/ANSI C104/A21.4 (for cement mortar lining and seal coating).

Pipe A-2

Ductile Iron Pipe

Tyton® Thickness Class Pipe

NOM. SIZE	CLASS	STD. LENGTHS	PRODUCT NUMBER
3"	51	18'-0"	20128 TPO
3"	52	18'-0"	20131 TPO
4"	51	18'-0"	20170 TPO
4"	52	18'-0"	20180 TPO
6"	50	20'-0"	20240 TPO
6"	52	20'-0"	20260 TPO
8"	50	20'-0"	20330 TPO
8"	52	20'-0"	20350 TPO
10"	50	20'-0"	20430 TPO
10"	52	20'-0"	20450 TPO
12"	50	20'-0"	20540 TPO
12"	52	20'-0"	20560 TPO
14"	50	20'-0"	20620 TPO
14"	52	20'-0"	20640 TPO
16"	50	20'-0"	20700 TPO
16"	52	20'-0"	20720 TPO
18"	52	20'-0"	20800 TPO
20"	52	20'-0"	20880 TPO
24"	52	20'-0"	20960 TPO
30"	52	20'-0"	21007 TPO
36"	52	20'-0"	21055 TPO

Tyton® Pressure Class Pipe

NOM. SIZE (inches)	PRODUCT NUMBERS			
	PRESSURE CLASS			
	200	250	300	350
3"	—	—	—	20134 TPO
4"	—	—	—	20186 TPO
6"	—	—	—	20264 TPO
8"	—	—	—	20356 TPO
10"	—	—	—	20514 TPO
12"	—	—	—	20567 TPO
14"	—	20683 TPO	20684 TPO	20685 TPO
16"	—	20724 TPO	20725 TPO	20726 TPO
18"	—	20804 TPO	20805 TPO	20806 TPO
20"	—	20887 TPO	20888 TPO	20889 TPO
24"	20962 TPO	20963 TPO	20964 TPO	20965 TPO



A load of Tyton® Joint Ductile Iron Pipe ready for delivery.