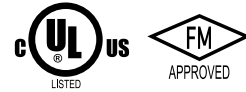


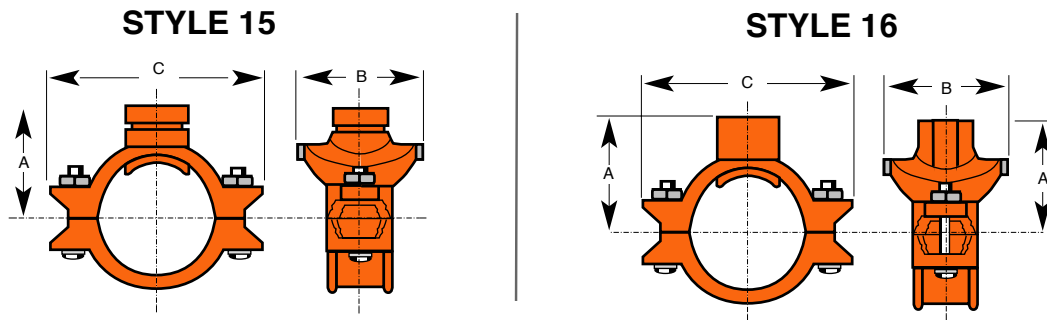
# MECHANICAL TEES

## STYLE 15 GROOVED & STYLE 16 THREADED



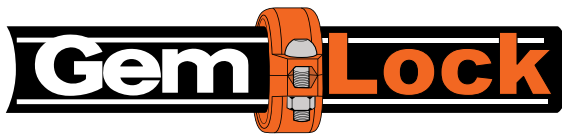
UL Listed Under File No. EX15592

Mechanical Branchlet provides a direct branch connection at any location along the pipe run without welding. A hole cut along the center line of pipe will receive the hole locator collar to secure the outlet. A pressure responsive EPDM gasket molded to suit the run pipe insures leak tight joints. Cross type connections can be made utilizing upper housings only. Available with hot dipped galvanized coating.



Run Size	Outlet Size (In.)	Max Working Pressure (psi)*	Hole Diameter		Grooved Dimensions (In.)			Threaded Dimensions (In.)			Approx. Weight Each	
			Hole Saw (In.)	Max. Perm. (In.)	A	B	C	A	B	C	Grooved lb.	Thrd. lb.
1½"	1"	300	1.25	1.30	—	—	—	2.20	2.40	4.40	—	1.95
2	1"	300	1.5	1.63	—	—	—	2.36	2.71	4.567	—	1.53
	1-¼"	300	1.75	1.63	2.32	2.71	4.57	2.36	2.71	4.567	2.27	1.66
	1-½"	300	1.75	1.81	2.32	2.71	4.57	2.36	2.71	4.567	2.46	1.88
2½	1"	300	1.5	1.63	—	—	—	2.76	3.03	5.67	—	1.98
	1-¼"	300	2	1.63	2.76	3.307	5.67	2.76	3.27	5.67	2.27	2.36
	1-½"	300	2	2.13	2.76	3.267	5.67	2.76	3.27	5.67	2.47	2.33
3	1"	300	1.5	1.63	—	—	—	3.23	3.03	5.98	—	2.48
	1-¼"	300	2	1.63	2.76	3.23	5.98	3.23	3.27	5.98	2.50	2.47
	1-½"	300	2	2.13	2.76	3.58	5.98	3.23	3.62	5.98	2.89	2.60
	2"	300	2.5	2.13	3.23	2.4	5.98	3.23	3.89	5.98	3.23	2.96
4	1"	300	1.5	1.63	—	—	—	3.43	3.03	6.77	—	2.86
	1-¼"	300	2	1.63	3.66	3.27	7.32	3.43	3.27	6.77	3.40	3.261
	1-½"	300	2	2.13	3.66	3.62	7.32	3.43	3.62	6.77	3.16	3.25
	2"	300	2.5	2.13	3.66	3.82	7.4	3.43	3.82	6.77	3.30	3.55
	2-½"	300	3	2.63	3.82	4.84	7.4	3.43	4.41	6.77	4.55	3.59
	3"	300	3.5	3.05	3.82	4.92	7.4	3.43	4.9	6.77	4.56	4.84

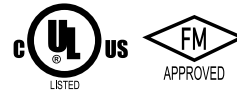
**NOTES:** Allowable pipe end separation is for cut groove pipe for roll groove, figures will be one-half of the values listed at time of initial pressurization. □ -Bolts and Nuts are galvanized. \* - Maximum pressure including surges and maximum end loads from all internal and external forces, to which a joint could be subject under normal working conditions. This rating provides a nominal safety factor of 1.5 times working pressure based on standard weight steel pipe. Maximum working pressure may be subjected to a one time field test of 1.5 times the figures indicated. Refer to installations and groove specifications when assembling any grooved product.ct us.



# MECHANICAL TEES

## STYLE 15 GROOVED & STYLE 16 THREADED

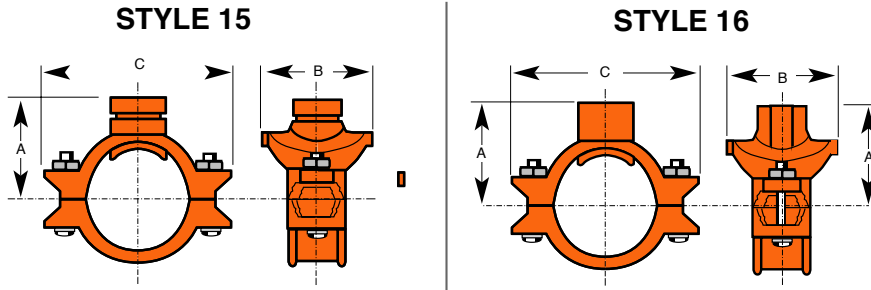
Mechanical Branchlet provides a direct branch connection at any location along the pipe run without welding. A hole cut along the center line of pipe will receive the hole locator collar to secure the outlet. A pressure responsive gasket molded to suit the run pipe insures leak tight joints. Cross type connections can be made utilizing upper housings only.



UL Listed Under File No. EX15592

### PERFORMANCE DATA

OUTLET SIZE Nominal Size (In.)	Cv Values	Equiv. Feet of Pipe	
		Grvd.	Female Thrd.
½	15	—	2.0
¾	18	—	4.0
1	22	—	5.0
1¼	39	5.5	6.0
1½	52	7.0	8.0
2	87	9.0	10.5
2½	117	11.0	12.5
3	173	13.5	15.5
4	346	20.0	22.0



Run Size	Outlet Size (In.)	Max Working Pressure (psi)*	Hole Diameter		Grooved Dimensions (In.)			Threaded Dimensions (In.)			Approx. Weight Each	
			Hole Saw (In.)	Max. Perm. (In.)	A	B	C	A	B	C	Grooved lb.	Threaded lb.
5	1½	300	2	2.13	—	—	—	3.94	3.62	8.27	—	3.65
	2	300	2.5	2.63	4.21	3.82	8.66	3.94	3.82	8.27	4.47	3.89
	2½	300	2.75	2.88	4.21	4.84	8.66	3.94	4.84	8.27	—	—
	3	300	3.5	3.63	4.21	5.35	8.66	3.94	4.84	8.27	6.03	6.04
6	1¼	300	2	2.13	5.04	3.23	9.72	4.61	3.27	9.53	5.50	5.32
	1½	300	2	2.13	5.04	3.62	9.72	4.61	3.62	9.53	5.55	5.80
	2	300	2.5	2.63	5.04	3.86	9.72	4.61	3.82	9.53	6.18	5.96
	2½	300	3.25	3.35	5.04	4.84	9.72	4.61	4.84	9.53	5.32	5.325
	3	300	3.5	3.63	5.04	5.35	9.72	4.61	5.35	9.53	7.32	7.32
8	4	300	4.5	4.63	5.04	6.18	9.72	4.61	6.14	9.53	7.60	7.6
	2	300	2.5	2.63	5.98	5.11	12.2	5.75	3.82	12.2	7.50	7.50
	2½	300	2.75	2.88	5.98	5.11	12.2	5.75	5.11	12.2	7.71	7.71
	3	300	3.5	3.63	5.98	5.39	12.2	5.75	5.39	12.2	8.3	8.3
	4	300	4.5	4.63	5.98	6.38	12.2	5.75	6.38	12.2	9.09	10.17

**NOTES:** □ - Bolts and Nuts are galvanized. \* - Maximum pressure including surges and maximum end loads from all internal and external forces, to which a joint could be subject under normal working conditions. This rating provides a nominal safety factor of 1.5 times working pressure based on standard weight steel pipe. Maximum working pressure may be subjected to a one time field test of 1.5 times the figures indicated. Refer to installations and groove specifications when assembling any grooved product. EPDM gasket is supplied as standard. For other gaskets contact us.