MODEL L922
Small Mechanical Tee

The Model L922 Small Mechanical Tee is the ideal outlet fitting for direct connections to sprinkler heads, drop nipples and or gauges. No need for welding, just cut or drill a hole at the desired outlet location. Position the Small Mechanical Tee so that the locating collar fits within the hole, then tighten the upper and lower housings with bolts and nuts.

SPECIFICATIONS

Sizes available:
25 x 15 mm - 65 x 25 mm / 1" x 1/2" ~ 2 1/2" x 1"

Working Pressure:
Up to 20 bar / 300 psi
Maximum working pressures are CWP (cold water pressure) or maximum allowed working pressure within the service temperature range of the gasket used in the coupling, based on standard wall or sch. 7/10/40 steel pipe, cut or roll-grooved to ANSI/AWWA C606-04 specifications.
These ratings may occasionally differ from maximum working pressures listed and/or approved by UL, ULC, and/or FM as testing conditions and test pipes differ. For performance data on other pipe schedules contact Lede.

Housing Coating:
Red Enamel

Housting material:
Ductile Iron conforming to ASTM A536 Gr. 65-45-12.

Gasket material:
EPDM (Silicon free) These gaskets have excellent self sealing capabilities and are designed to provide a leak tight seal.

Caution: Piping practices require that main and branch connections are at a true 90° angle. Also be certain that the locating collar is securely positioned inside the outlet hole before tightening the housing. When mechanical tees or mechanical crosses are used as transition pieces between two runs, the tees or crosses shall be assembled prior to making the branch connections.

INTERNATIONAL APPROVAL

c UL US LISTED

FM APPROVED

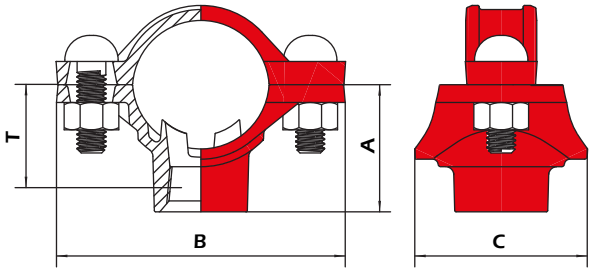
CE

CQC ISO 9001:2008

SUBMITTAL INFORMATION

PROJECT:	CONTRACTOR:	DATE:
ENGINEER:	SPECIFICATION REFERENCE:	SYSTEM TYPE:
LOCATIONS:	COMMENTS:	

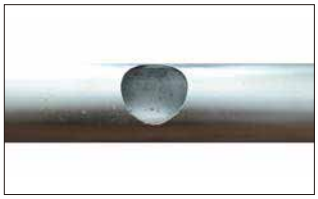
DATA CHART



Nominal Size mm/in	Hole Dia.∓ +1,-0 /+0.04,-0	Dimensions - mm/in			Take-Out T/D mm/in	Bolt Size in	Bolt Torque N-M/Lb-Ft
		A	B	C			
25×15	24	28	93	48	29	3/8Φ	30-40
1x1/2	0.95	1.10	3.66	1.89	1.14	U-Bolt	22-29
32×15	30.00	45	98	65	33	3/8Φ	30-40
1 1/4x1/2	1.18	1.77	3.86	2.56	1.30	U-Bolt	22-29
32×20	30.00	45	98	65	32.5	3/8Φ	30-40
1 1/4x3/4	1.18	1.77	3.86	2.56	1.28	U-Bolt	22-29
32×25	30.00	54	98	65	38.6	3/8Φ	30-40
1 1/4x1	1.18	2.13	3.86	2.56	1.52	U-Bolt	22-29
40×15	30.00	48	105.6	65	36.1	3/8Φ	30-40
1 1/2x1/2	1.18	1.89	4.16	2.56	1.42	U-Bolt	22-29
40×20	30.00	48	105.6	65	35.6	3/8Φ	30-40
1 1/2x3/4	1.18	1.89	4.16	2.56	1.40	U-Bolt	22-29
40×25	30.00	57	105.6	65	41.7	3/8Φ	30-40
1 1/2x1	1.18	2.24	4.16	2.56	1.64	U-Bolt	22-29
50×15	30.00	54	125	65	42.2	3/8Φ	30-40
2x1/2	1.18	2.13	4.92	2.56	1.66	U-Bolt	22-29
50×20	30.00	54	125	65	41.7	3/8Φ	30-40
2x3/4	1.18	2.13	4.92	2.56	1.64	U-Bolt	22-29
50×25	30.00	62	125	65	47.8	3/8Φ	30-40
2×1	1.18	2.44	4.92	2.56	1.88	U-Bolt	22-29
65×15	30.00	61	139	65	48.5	3/8Φ	30-40
2 1/2x1/2	1.18	2.40	5.47	2.56	1.91	U-Bolt	22-29
65×20	30.00	61	139	65	48	3/8Φ	30-40
2 1/2x3/4	1.18	2.40	5.47	2.56	1.89	U-Bolt	22-29
65×25	30.00	71	139	65	54.1	3/8Φ	30-40
2 1/2x1	1.18	2.80	5.47	2.56	2.13	U-Bolt	22-29

The Lede hole-cut mechanical tee provides a fast and easy mid-point branch outlet without welding. First a hole is cut or drilled at the desired outlet location. The mechanical tee is then positioned so that the built-in locating collar fits within the hole. As the housing bolts are tightened the pressure moulded gasket forms a leak-tight seal. Use of the Lede mechanical tee can eliminate the need for multiple couplings and fittings.

INSTALLATION



1. Drill a hole on the pipe according to the hole sizes requirements, ensure all the burrs are removed, and no deep pits or swells are found within 20mm around the hole.

2. Put the gasket into the upper housing, and make sure it is suitable for the intended service.

3. Put the upper parts above the pipe hole, then put the location collar fit into the hole, ensure the gasket to cover the hole evenly.

4. Place the lower housing opposite to the pipe, align the upper housing and lower housing, then insert the bolts.

5. Tighten the nuts evenly until the upper housing touches the pipe well, the torque of the nuts should be in accordance with the requirements of LEDE company.

6. After installation, check it carefully to make sure the gap between upper part and lower part is equal and tiny.

When mechanical cross is installed, make sure the deflection of the upper housing and lower housing cannot beyond 1.0mm, and the both location collar are in the center of the hole, when nuts tightened, the torque must be in accordance with the LEDE requirements.

Weights:
All weights are approximate and subject to change without notice.
Lede reserves the right to change or modify product designs, specifications and/or standard equipment without notice and without incurring obligation.

Sales:
Prices and Terms and Conditions of Sale are subject to change without notice.

Warranty:
We warrant all Lede products to be free from defects in materials and workmanship under normal conditions of use and service. For more information please contact LEDE.