

TECHNICAL DATA SHEET / EN

M-130

Equal grooved tee

M-130 forms a branch in a pipeline using three grooved connections of equal nominal size. It is a complete tee fitting inserted into the pipe route, not a saddle fitted over a drilled opening.

The fitting body connects the through-run to the branch passage. Three separate compatible couplings and gaskets secure and seal the three pipe connections.



01 Technical parameters

Parameter	Value / condition
Working pressure	300 psi / 20.7 bar
Connection	Grooved

For aboveground steel pipework in fixed water-based fire-protection systems. The component forms part of a designed pipe assembly; it does not detect or extinguish a fire by itself.

02 Certification and scope

Document	Number	Scope
FM Approvals	PR475688	Model M-130

Approval scope depends on model, exact size, execution, pipe, gasket and pressure. Approval is not transferable between variants.

03 Dimensions and geometry

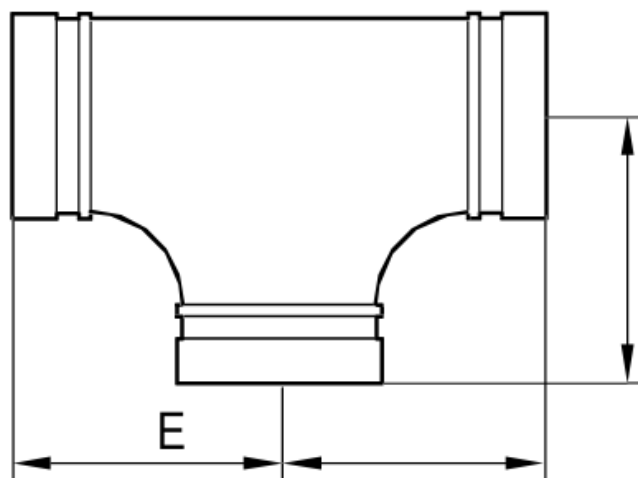


Fig. 1. Dimension symbols used in the table below.

E in the drawing corresponds to CE in the source dimension table.

DN	OD [mm]	E / CE [mm]	Mass [kg]
DN25	33.4	57	0.5
DN32	42.4	70	0.7
DN40	48.3	70	0.9
DN50	60.3	83	1.4
DN65	76.1	95	2.4
DN80	88.9	108	3
DN100	114.3	127	5.4
DN125	139.7	140	8.1
DN150	168.3	165	10.4
DN200	219.1	197	21.6
DN250	273	229	44.9
DN300	323.9	254	60.3

Dimensions in mm. Symbols apply only to Fig. 1 and the specified variant. Do not scale the drawing.

04 Main component materials

Component	Material / construction
Housing/body	Ductile iron ASTM A536 Grade 65-45-12

05 Selection and compatibility

Confirm all three pipe outside diameters, the tee model, centre-to-end dimensions, finish and pressure. Account for branch demand in the hydraulic design; the fitting does not regulate how flow divides.

06 Installation and checks

A competent installer must check pipe preparation and clean sealing surfaces. Use the specified joining components and follow the instructions for the exact model; do not borrow a tightening method from another product.

07 Operation and maintenance

During scheduled inspections, check for leakage, corrosion and mechanical damage. Depressurize and drain the affected section before dismantling; use compatible replacement parts.

Application limitations

The bare fitting does not establish the rating of its couplings, seals or adjoining equipment. Use the lowest pressure limit of the complete assembly; verify media and temperature compatibility of all sealing components.

08 Ordering information

Variant	Painted (P)	Galvanized (G)
DN25	M-130-034P	M-130-034G
DN32	M-130-042P	M-130-042G
DN40	M-130-048P	M-130-048G
DN250	M-130-273P	M-130-273G
DN300	M-130-323P	M-130-323G

P — painted; G — galvanized. A code suffix identifies the finish, not approval coverage. Confirm the required approval for the ordered execution.