



# Cascade

Manufacturers & Suppliers of Pipe Fittings  
for the Water and Gas Industries

## Cascade Stainless Steel – Under Pressure Tees

### General Information

- Pressure ratings to your requirements from 0.5 bar to 20 bar working pressure, 30 bar test pressure
- Smaller diameter Under Pressure Tees (UPT) will contain more pressure than larger diameter UPT's. Cleaning and lubricating bolt threads will reduce friction and permit greater torque
- The pressure containing capability of a UPT is influenced by the pipe size, the surface quality, the environment and service conditions and installation workmanship
- UPTs can be manufactured for water and gas applications and for most common pipe materials like Copper, Ductile, Cast Iron, Steel and A/C.
- UPT Diameters : - 90mm to 2000mm
- UPT Lengths: - Min 250mm Max 3000mm
- UPT types: - Single and Split Collar
- UPT outlets:- DN50 upwards –PN10/PN16/PN25 and ANSI 150
- Temp Range + - (-20°C to 200°C)
- Life expectancy 50 years plus under normal operating conditions in potable water and sewerage pipework



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Vat No: 7940 149 17





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### Applicable Standards

ASTM A480/A480M 04A – ASTM A240/A240M 04A

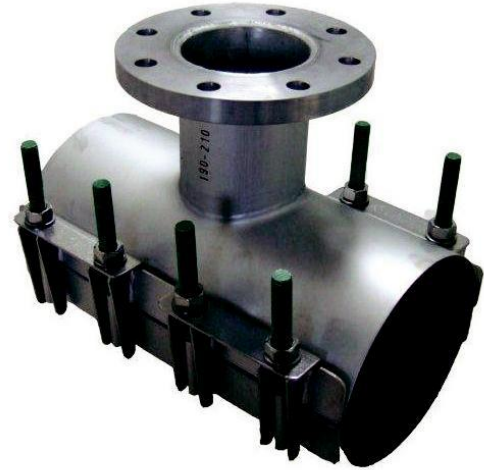
EN10204-3.1B 95 – EN10204-3, 1, B

BS 6920 – BS4504

EPDM – WRAS Approved

BSEN 682:2002 – Type 4711 to WRAS approved and listed.

QMS ISO-9001: QMS ISO 14001



### Materials

LOCKING WASHER PLATE: - Stainless Steel AISI – 304/316 (Locks into position for easy tightening of nuts.)

LUGS: - Stainless Steel AISI – 304/316 - MIG-welded to receiver bar and fully passivated after welding. Leading edge is rounded to prevent them from catching bolt bars during installation.

SHELL:-Stainless Steel AISI - 304/316 2B finish.

BOLTS: - Stainless Steel AISI - 304/316 thread-rolled for strength and coated to prevent galling. Cascade bolts are MIG-welded to the receiver bar and fully passivated after welding.

NUTS: Stainless Steel – 304/316

RECEIVER BARS:-Stainless Steel AISI - 304/316 TIG-welded to shell to form a strong fusion, and fully passivated after welding.

GASKET: ASTM D2240 NR – NBR or VITON for gas/chemicals – EPDM - Formulated for water service, WRAS Approved EPDM.

All gaskets have a gridded design, tapered ends and vulcanized armour plates for easy installation and optimum sealing efficiency.

ARMOUR: Stainless Steel AISI - 304/316 Heavy Gauge

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