

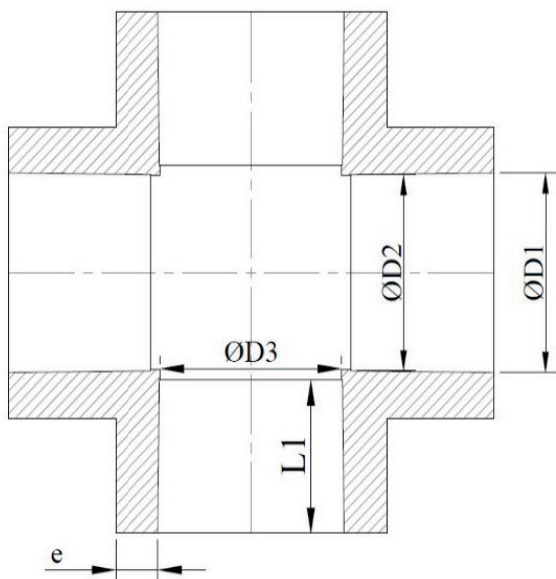


TECHNICAL DATA SHEET 94.31.020 to 40

PRODUCT NAME	CROSS PIPE
STANDARD	TS-EN-ISO-15874-3
DIMENSION GROUP	1
PRESSURE CLASS	2 (PN10)
APPLICATION CLASS	CLASS 1
INTENDED USE	THE PLUMBING SYSTEMS

Dim.	PRODUCT CODE-9431...			
	020	025	032	040
DN	20	25	32	40
e	3,4 Min	4,2 Min	5,4 Min	6,7 Min
L1	14,5 Min	16 Min	18 Min	20,5 Min
D1	19,2 ^{+0,3/-0}	24,2 ^{+0,3/-0}	31,1 ^{+0,4/-0}	39 ^{+0,4/-0}
D2	19 ^{+0,3/-0}	23,9 ^{+0,4/-0}	30,9 ^{+0,4/-0}	38,8 ^{+0,4/-0}
D3	15,2 Min	19,4 Min	25 Min	31,4 Min

Dimensions are in "mm"

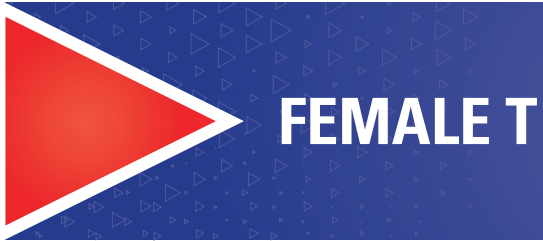


Max. design temperature, Tmax, in °C	80	
Design stress of fitting material, o DF, in MPa	3,02	
Test temperature, Ttest, in °C	20	95
Test duration, t, in h	1	1000
Hydrostatic stress of fitting material, o F, in MPa	16	3,5
Test pressure, pF, in bars,		
For a design		
pressure, pD, of: 4bar	23,1 b	5,1b
6 bar	31,8	7,0
8 bar	42,5	9,3
10 bar	53,1	11,6
Number of test pieces	3	3

A-) Generally the highest test temperature is take to be (Tmax+10) °C with an upper limit of 95 °C. However to match existing test facilities the highest test temperature for classes 1 and 2 is also set at 95°C. The hydrostatic stresses given correspond to the given test temperatures. A-) The °C, 10 bar, 50 years, cold water requirement, being higher, determines this value (see ISO 15874-1:2013, Clause 4)

MATERIALS

BODY	PPR
COLOR	MASTERBATCH



INSTALLATION and USAGE INSTRUCTION

Fittings must not be exposed to sunlight and must be protected from hard and sharp impacts.

Fittings to be installed must be clean, and dirty materials must not be welded.

Ensure that the welding dies used in the process comply with standards; do not weld with worn dies.

Protect the fittings from areas where they might freeze, as freezing expansion can damage them.