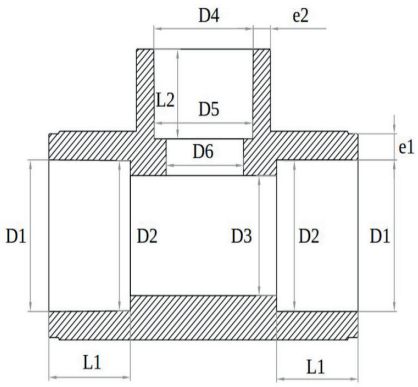
REDUCTION T

KAS®

TECHNICAL DATA SHEET 94.16.002 to 016	
Product Name	Reduction T
Intended Use	Plumbing Systems

MATERIALS	
BODY	PPR



Dim.	PRODUCT CODE-9416...						
	002	004	007	012	013	015	016
DN	25X20X25	32x20x32	32x25x32	50x25x50	50x32x50	63x20x63	63x25x63
e1	4,5±0,2	5,4±0,2	5,4±0,2	8,5±0,3	8,4±0,3	11,1±0,3	11,1±0,3
e2	4,3±0,2	4,3±0,2	4,5±0,2	4,5±0,2	5,4±0,2	4,4±0,2	4,7±0,2
L1	16,6±0,3	18,5±0,3	18,5±0,3	24,4±0,4	24,2±0,4	28,1±0,4	28,1±0,4
L2	15,5±0,3	15,1±0,3	17±0,3	17±0,3	18±0,3	15,8±0,3	16,8±0,3
D1	24,3±0,3	31,3±0,3	31,3±0,3	49,1±0,4	49,1±0,4	62,3±0,4	62,3±0,4
D2	23,9±0,3	31,1±0,3	31,1±0,3	48,8±0,4	48,8±0,4	62,2±0,4	62,2±0,4
D3	22±0,3	28±0,3	28±0,3	47,3±0,4	47,3±0,4	60,3±0,4	60,3±0,4
D4	19,3±0,3	19,3±0,3	24,3±0,3	24,3±0,3	31,2±0,3	19,2±0,3	19,2±0,3
D5	19,1±0,3	19,1±0,3	24±0,3	24±0,3	30,9±0,3	18,9±0,3	24±0,3
D6	17,7±0,3	17,7±0,3	21,5±0,3	21,5±0,3	28,6±0,3	18,2±0,3	21,8±0,3

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)

INSTALLATION and USAGE INSTRUCTION

1- Fittings must not be exposed to sunlight and must be protected from hard and sharp impacts.
2- Fittings to be installed must be clean, and dirty materials must not be welded.
3- Ensure that the welding dies used in the process comply with stardards, do no weld with worn dies.
4- Protect the fittings from areas where they might freeze, as freeezing expansion can damage them.
5- Use appropriate sealing material when assembling threaded parts and avoid applying excessive force when tightening. This can cause the separation of pastic and metal.