

MALE ELBOW

KAS®

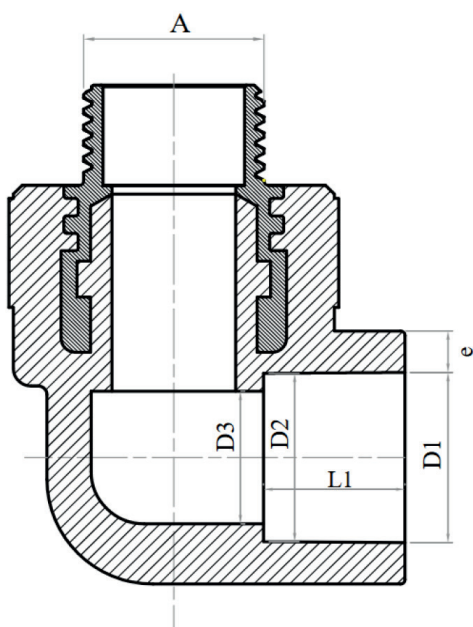


TECHNICAL DATA SHEET 94.25.001 to 007

Product Name	Male Elbow
Intended Use	The Plumbing Systems

Dim.	PRODUCT CODE-9413...						
	001	002	003	004	005	006	007
DN	20	20	25	25	32	32	32
e	3,4 Min	3,4 Min	4,2 Min	4,2 Min	5,4 Min	5,4 Min	5,4 Min
L1	14,5 Min	14,5 Min	16 Min	16 Min	18 Min	18 Min	18 Min
D1	19,3±0,2	19,3±0,2	24,3±0,2	24,3±0,2	31,3±0,3	31,3±0,3	31,3±0,2
D2	18,9±0,4	19,1±0,3	24±0,3	24±0,3	31,1±0,3	31,1±0,3	31±0,3
D3	15,2 Min	15,2 Min	19,4 Min	19,4 Min	25 Min	25 Min	25 Min
	1/2"	3/4"	1/2"	3/4"	3/4"	3/4"	1"

Dimensions are in "mm"

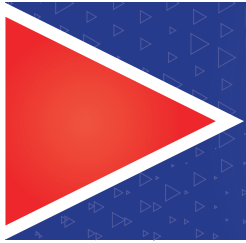


Max. design temperature, Tmax, in °C	80	
Design stress of fitting material, σ _{DF} , in MPa	3,02	
Test temperature, T _{test} , in °C	20	95
Test duration, t, in h	1	1000
Hydrostatic stress of fitting material, σ _F , in MPa	16	3,5
Test pressure, p _F , in bars,		
For a design		
pressure, p _D , of: 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

MATERIALS

BODY	PPR
NUT-NIPPLE	BRASS/STAINLESS STEEL

A-) Generally the highest test temperature is take to be (T_{max}+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)



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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.

Use appropriate sealing material when assembling threaded parts and avoid applying excessive force when tightening. This can cause the separation of plastic and metal.