

AD – PE “CONDUIT” WELDED PIPES

Electric resistance **WELDED** pipes, hot dip galvanized according to UNI 5745 and with tapered gas threading Gk, according to UNI 6125. The resistance to pressure of these pipes is granted by hydrostatic or equivalent test. These pipes are supplied in random lengths of about 6 m and with certification 2.2 according to EN 10204, all pipes are indelible marked.

APPLICATIONS

Tubes for safety electrical equipments and explosion proof equipments (AD – PE).

NORMS

UNI 7683

CHEMICAL ANALYSIS AND MECHANICAL PROPERTIES

Steelgrade	Chemical elements (% on mass)						Yield strength min. ReH (N/mm ² =Mpa)	Tensile strength min. Rm (N/mm ² =Mpa)	Longitudinal elongation min. %
	C	Mn		Si	P	S			
	max.	min.	max.	max.	max.	max.			
Fe 360	0.17	0.40	0.80	0.35	0.045	0.045	215	360-480	24



SIZES AND TOLERANCES

SIZES ACCORDING TO UNI 7683

O.D.		Threading	O.D. tolerance mm		W.T. mm	Mass Kg/m
mm	inches		min.	max.		
21.3	½	Gk ½	21.0	21.7	2.35	1.19
26.9	¾	Gk ¾	26.4	27.1	2.35	1.50
33.7	1	Gk 1	33.2	34.0	2.90	2.33
42.4	1 ¼	Gk 1 ¼	41.9	42.7	2.90	2.99
48.3	1 ½	Gk 1 ½	47.8	48.6	2.90	3.45
60,3	2	Gk 2	59.6	60.7	3.25	4.83
76,1	2 ½	Gk 2 ½	75.2	76.3	3.25	6.00
88,9	3	Gk 3	87.9	89.4	3.65	8.15
114,3	4	Gk 4	113.0	114.9	4.05	11.70

TOLERANCES

O.D. : see table above.

W.T: - 12.5 %; positive deviations are ruled by the tolerance on mass.

MASS: on the single tube ± 10 %; ± 7.5 % for lots of at least 10 t.

LENGTHS: (welded tubes) 6 m + 100 / - 50 mm, it is possible to supply lengths starting from 4 m for max 3% of the supplied lot.

