

Tolerances

TOLERANCES ON MEAN EXTERIOR DIAMETER FOR SMOOTH PIPES

Nominal exterior diameter d		Tolerances on mean diameter	
greater than	less than or equal to	$e \leq 0,4$	$e > 0,4$ mm
6	13	$\pm 0,04$	$\pm 0,04$
13	16	$\pm 0,05$	$\pm 0,04$
16	28	–	$\pm 0,05$
28	54	–	$\pm 0,06$
54	67	–	$\pm 0,07$

TOLERANCES ON WALL THICKNESS FOR SMOOTH PIPES

Tolerances	Nominal Exterior Diameter d		Nominal Wall Thickness e							
	greater than	less than or equal to	$0,25 \leq e \leq 0,30$	$0,30 < e \leq 0,35$	$0,35 < e \leq 0,40$	$0,40 < e \leq 0,50$	$0,50 < e \leq 0,63$	$0,63 < e \leq 0,80$	$0,80 < e \leq 1,50$	$1,50 < e \leq 2,00$
Maximum deviation admissible at any point ^a	6	67	$\pm 0,025$	$\pm 0,03$	$\pm 0,03$	$\pm 0,04$	$\pm 0,05$	$\pm 0,06$	$\pm 8\%^b$	$\pm 8\%^b$

Tolerances	Nominal Exterior Diameter d		Nominal Wall Thickness e							
	greater than	less than or equal to	$0,25 \leq e \leq 0,30$	$0,30 < e \leq 0,35$	$0,35 < e \leq 0,40$	$0,40 < e \leq 0,50$	$0,50 < e \leq 0,63$	$0,63 < e \leq 0,80$	$0,80 < e \leq 1,50$	$1,50 < e \leq 2,00$
Tolerances for mean thickness	6	9,52	± 0,01	± 0,01	± 0,01	± 0,015	± 0,02	± 0,02	–	–
	9,52	13	–	± 0,01	± 0,01	± 0,015	± 0,02	± 0,02	–	–
	13	16	–	–	± 0,01	± 0,015	± 0,02	± 0,02	–	–
	16	22	–	–	–	–	–	± 0,02	± 0,05	–
	22	40	–	–	–	–	–	± 0,02	± 0,05	–
	40	67	–	–	–	–	–	–	–	± 0,08
^a Includes concentricity deviation.										
^b Value as a percentage of nominal thickness.										