

Mean outside diameters and out- of - roundness(mm)

Nominal size DN/OD	Nominal outside diameter	Mean outside diameter ^a		maximum out- of - roundness (ovality) ^b
	d _n	d _{em,min}	d _{em,max}	
16	16	16.0	16.3	1.2
20	20	20.0	20.3	1.2
25	25	25.0	25.3	1.2
32	32	32.0	32.3	1.3
40	40	40.0	40.4	1.4
50	50	50.0	50.4	1.4
63	63	63.0	63.4	1.5
75	75	75.0	75.5	1.6
90	90	90.0	90.6	1.8
110	110	110.0	110.7	2.2
125	125	125.0	125.8	2.5
140	140	140.0	140.9	2.8
160	160	160.0	161.0	3.2
180	180	180.0	181.1	3.6
200	200	200.0	201.2	4.0
225	225	225.0	226.4	4.5
250	250	250.0	251.5	5.0
280	280	280.0	281.7	9.8
315	315	315.0	316.9	11.1
355	355	355.0	357.2	12.5
400	400	400.0	402.4	14.0
450	450	450.0	452.7	15.6
500	500	500.0	503.0	17.5
560	560	560.0	563.4	19.6
630	630	630.0	630.8	22.1
710	710	710.0	716.4	24.9
800	800	800.0	807.2	28.0
900	900	900.0	908.1	__d
1000	1000	1000.0	1009.0	__d
1200	1200	1200.0	1210.8 ^c	__d
1400	1400	1400.0	1412.6 ^c	__d
1600	1600	1600.0	1614.4 ^c	__d
1800	1800	1800.0	1816.2 ^c	__d
2000	2000	2000.0	2018.0 ^c	__d

a- In accordance with ISO11922-1 20018,gradeB , for sizes<=630 and grade Afor sizes=>710. (see reference [4] in the Bibliography).

B In accordance with ISO11922-1 20018,grade N, for sizes <= 800, to be measured at the point of manufacture.

C Tolerance calculated as 0,009 d_{em} and does not conform to grade A in ISO11922-1 20018.

d For straight pipes with diameters =>900, the maximum out-of-roundness shall be specified by an agreement between the manufacturer and the end-user.