



A constant undisturbed flow profile has a radius around the centre line of pipe where the averaged flow velocity may be measured. To this radius the head of the probe is to be inserted to measure flow velocity.

Dimensions for seamless steel tubes for DIN2448							
nominal diameter	outer- $\varnothing$ [mm]	inner- $\varnothing$ [mm]	Aichelen-point laminar [mm]	Aichelen-point turbulent [mm]	Wcritical (air 0°C) [m/s]	Wcritical (air 20°C) [m/s]	Wcritical (air 100°C) [m/s]
<b>DN50</b>	60.3	54.5	7.9	6.3	0.56	0.64	0.98
<b>DN65</b>	76.1	70.3	10.2	8.1	0.44	0.50	0.76
<b>DN80</b>	88.9	82.5	12.0	9.5	0.37	0.42	0.65
<b>DN100</b>	114.3	107.1	15.5	12.3	0.29	0.33	0.50
<b>DN125</b>	139.7	131.7	19.1	15.1	0.23	0.27	0.41
<b>DN150</b>	165.1	156.1	22.6	18.0	0.20	0.22	0.34
<b>DN200</b>	219.1	206.4	29.9	23.7	0.15	0.17	0.26
<b>DN250</b>	273.0	260.4	37.8	30.0	0.12	0.13	0.21
<b>DN300</b>	323.9	309.7	44.9	35.6	0.10	0.11	0.17