

Metric CAD Scale Chart

Common 1:N scales. The ratio is unitless: 1 mm on paper represents N mm in the real world.

Scale	Paper length for 1 m real	1 mm on paper represents	1 cm on paper represents
1:1	1000 mm	1 mm	0.001 m
1:2	500 mm	2 mm	0.002 m
1:5	200 mm	5 mm	0.005 m
1:10	100 mm	10 mm	0.01 m
1:20	50 mm	20 mm	0.02 m
1:25	40 mm	25 mm	0.025 m
1:50	20 mm	50 mm	0.05 m
1:75	13.3333 mm	75 mm	0.075 m
1:100	10 mm	100 mm	0.1 m
1:125	8 mm	125 mm	0.125 m
1:150	6.66667 mm	150 mm	0.15 m
1:200	5 mm	200 mm	0.2 m
1:250	4 mm	250 mm	0.25 m
1:300	3.33333 mm	300 mm	0.3 m
1:400	2.5 mm	400 mm	0.4 m
1:500	2 mm	500 mm	0.5 m
1:750	1.33333 mm	750 mm	0.75 m
1:1000	1 mm	1000 mm	1 m

Scale	Paper length for 1 m real	1 mm on paper represents	1 cm on paper represents
1:1250	0.8 mm	1250 mm	1.25 m
1:1500	0.666667 mm	1500 mm	1.5 m
1:2000	0.5 mm	2000 mm	2 m
1:2500	0.4 mm	2500 mm	2.5 m
1:5000	0.2 mm	5000 mm	5 m
1:10000	0.1 mm	10000 mm	10 m

For a prepared Layout, keep the sheet itself at full size and use the viewport/view to control drawing scale.

Verify scale-critical PDFs or hardcopies by measuring one known dimension at 100%.