

Carbon steel pipe

PRODUCT GUIDE · PIPING-00

Rigid ferrous pipe for industrial pipework where strength and a weldable or threaded connection are required.

Application

Plant services, water transfer and fabricated pipe assemblies.

Configuration options

Seamless or welded construction; plain, bevelled, threaded or flanged ends.

Carbon steel · ASME B36.10 · Sch 40

Outside diameter, wall and bore are in millimetres. NPS/inch sizes are nominal designations.

ID is calculated from nominal OD minus twice nominal wall; actual bore depends on manufacturing tolerances.

Size	Outside Ø	Nominal wall	Calculated ID*
DN15 / NPS 1/2	21.3	2.77	15.76
DN20 / NPS 3/4	26.7	2.87	20.96
DN25 / NPS 1	33.4	3.38	26.64
DN32 / NPS 1 1/4	42.2	3.56	35.08
DN40 / NPS 1 1/2	48.3	3.68	40.94
DN50 / NPS 2	60.3	3.91	52.48
DN65 / NPS 2 1/2	73	5.16	62.68
DN80 / NPS 3	88.9	5.49	77.92
DN90 / NPS 3 1/2	101.6	5.74	90.12
DN100 / NPS 4	114.3	6.02	102.26
DN125 / NPS 5	141.3	6.55	128.2
DN150 / NPS 6	168.3	7.11	154.08
DN200 / NPS 8	219.1	8.18	202.74
DN250 / NPS 10	273.1	9.27	254.56
DN300 / NPS 12	323.9	10.31	303.28

Carbon steel nominal pipe dimensions only. Schedule 40/80 and stainless 40S/80S are not interchangeable at every size. Galvanised pipe supplied to other standards must be identified separately.

Carbon steel · ASME B36.10 · Sch 80

Outside diameter, wall and bore are in millimetres. NPS/inch sizes are nominal designations.

ID is calculated from nominal OD minus twice nominal wall; actual bore depends on manufacturing tolerances.

Size	Outside Ø	Nominal wall	Calculated ID*
DN15 / NPS 1/2	21.3	3.73	13.84

Size	Outside Ø	Nominal wall	Calculated ID*
DN20 / NPS 3/4	26.7	3.91	18.88
DN25 / NPS 1	33.4	4.55	24.3
DN32 / NPS 1 1/4	42.2	4.85	32.5
DN40 / NPS 1 1/2	48.3	5.08	38.14
DN50 / NPS 2	60.3	5.54	49.22
DN65 / NPS 2 1/2	73	7.01	58.98
DN80 / NPS 3	88.9	7.62	73.66
DN90 / NPS 3 1/2	101.6	8.08	85.44
DN100 / NPS 4	114.3	8.56	97.18
DN125 / NPS 5	141.3	9.53	122.24
DN150 / NPS 6	168.3	10.97	146.36
DN200 / NPS 8	219.1	12.7	193.7
DN250 / NPS 10	273.1	15.09	242.92
DN300 / NPS 12	323.9	17.48	288.94

Carbon steel nominal pipe dimensions only. Schedule 40/80 and stainless 40S/80S are not interchangeable at every size. Galvanised pipe supplied to other standards must be identified separately.

Details to include in your enquiry

Nominal size and actual outside diameter · Wall thickness or schedule · Grade, length and end preparation

Technical references

[Pipe Dimensions — open reference](#) · Drawing / dimensions · 8 April 2021

Selected source fields compared 2026-10-05. Carbon-steel Sch 40/80 OD and wall rows compared; calculated nominal bore checked. Not a pressure rating.