

ISO65

- Production Standard of ISO65
- Dimensions and Sizes of ISO65
- Chemical Composition of ISO65
- Mechanical Properties Tensile Strength and Yield Strength of ISO65



•Production Standard of ISO65

•ISO65

ISO 65 is a standard issued by the International Organization for Standardization (ISO) for tightened carbon steel pipes. ISO 65:1981 is widely used in areas where carbon steel pipes need to be tightened and connected, such as industrial piping systems, building water supply and drainage systems, and HVAC systems. By following this standard, the safety, reliability and durability of piping systems can be ensured.

•Dimensions and Sizes of ISO65

Thickness according to the series						
DN	Designation of thread	Outside Diameter mm	Heavy series mm	Medium series mm	Light series 1 mm	Light series 2 mm
6	1/8	10.2	2.6	2	1.8	1.8
8	1/4	13.5	2.9	2.3	2	1.8
10	3/8	17.2	2.9	2.3	2	1.8
15	1/2	21.3	3.2	2.6	2.3	2
20	3/4	26.9	3.2	2.6	2.3	2.3
25	1	33.7	4	3.2	2.9	2.6

32	1 1/4	42.4	4	3.2	2.9	2.6
40	1 1/2	48.3	4	3.2	2.9	2.9
50	2	60.3	4.5	3.6	3.2	2.9
65	2 1/2	76.1	4.5	3.6	3.2	3.2
80	3	88.9	5	4	3.6	3.2
100	4	114.3	5.4	4.5	4	3.6
125	5	139.7	5.4	5		
150	6	165.1	5.4	5		

●Chemical Composition of ISO65

Properties of the steel					
Steel Grade Designation		Tensile Strength	Minimum Elongation After Fracture	Chemical composition ladle Analysis % max.	
Seamless	Welded	N/mm2	%	P	S
TS.O	TW.O	320 to 520	15	0.06	0.06

●Mechanical Properties Tensile Strength and Yield Strength of ISO65

Properties of the steel					
Steel Grade Designation		Tensile Strength	Minimum Elongation After Fracture	Chemical composition ladle Analysis % max.	
Seamless	Welded	N/mm2	%	P	S
TS.O	TW.O	320 to 520	15	0.06	0.06