

2205 Duplex Stainless Steel 90-Degree Elbow

This seamless elbow is manufactured from 1.4462 (Duplex 2205 / S32205) stainless steel and bent at a 90-degree angle. It utilizes butt-welded (BW) connections with a long radius (LR) design and meets ASTM A403 and B16.9 standards.



Overview

High-Performance 2205 Duplex Elbow

This 90-degree elbow is manufactured from 1.4462 (S32205) duplex stainless steel, offering superior corrosion resistance and structural integrity. Designed for demanding industrial applications, it features a seamless, wrought construction with beveled ends for precise butt-weld connections. Every unit is supplied in an annealed and pickled condition to ensure optimal surface quality and durability.

Technical Specifications

Material Grade	1.4462 / S32205 (Duplex 2205)
Compliance Standards	ASTM A403, ASME B16.9
Connection Type	Butt Weld
Radius	Long Radius (R=1.5D)
Manufacturing	Seamless, Wrought from Pipe
Delivery Condition	Annealed and Pickled
End Configuration	Beveled Ends

Chemical Composition

Material Composition

Element	Content (%)
Iron (Fe)	68.87
Chromium (Cr)	21.83
Nickel (Ni)	4.77
Molybdenum (Mo)	3.2
Manganese (Mn)	0.95
Cobalt (Co)	0.15
Vanadium (V)	0.15
Copper (Cu)	0.09