

Long Radius 45-Degree Elbow (MSS SP-43)

This long radius elbow is manufactured to MSS SP-43 standards. It is designed for applications requiring a smooth change in direction within piping systems.



Overview

High-Performance Piping Solutions

This Long Radius 45-Degree Elbow is manufactured in strict accordance with MSS SP-43 standards, designed to provide a smooth change in direction for industrial piping systems. Its long radius geometry is engineered to minimize friction loss and significantly reduce pressure drop, enhancing overall system efficiency. Available in a wide range of materials and sizes, this fitting is suitable for diverse industrial applications demanding reliability and performance.

Technical Specifications

Manufacturing Standard	MSS SP-43
Available Fitting Types	Elbow, Tees, Reducers, Caps, Split Tee, Y Tee, Barred Tee, Stub Ends

Material Composition

Carbon Steel Grades

- ASTM A234 WPB
- ASTM A234 WPC
- ASTM A420 WPL9
- ASTM A420 WPL3
- ASTM A420 WPL6
- WPHY-42
- WPHY-46
- WPHY-52
- WPHY-60
- WPHY-65
- WPHY-70

Alloy Steel Grades

- ASTM A234 WP1
- ASTM A234 WP11
- ASTM A234 WP12
- ASTM A234 WP22
- ASTM A234 WP5
- ASTM A234 WP9
- ASTM A234 WP91

Stainless Steel Grades

- ASTM A403 WP304/304L
- ASTM A403 WP316/316L
- ASTM A403 WP321
- ASTM A403 WP347

Dimensions & Sizing

Size Range by Material

Material Type	Size Range
Carbon Steel	1/2" to 96"
Stainless Steel (Seamless)	1/2" to 24"
Stainless Steel (Welded)	26" to 72"

Available Schedules

SCH STD • XS • XXS • SCH 5S • SCH 10S • SCH 40S • SCH 80S • SCH 10-160