

AJ560R / AJ560F

Catalog-based product reference

One-stop grooved couplings for ANSI pipe outside diameters. Review dimensions, pipe-end separation and movement data separately for the rigid R or flexible F configuration.

Nominal sizes · NPS 2–8 · 7 sizes per configuration

Actual pipe O.D. · 60.3–219.1 mm

Catalog maximum working pressure · NPS 2–5: 30 / NPS 6–8: 26 kgf/cm²

Configuration · AJ560R rigid / AJ560F flexible

Catalog materials & finish

Housing: ductile iron, ASTM A536

Gasket: EPDM

Bolts and nuts: carbon steel for machine structural use

Finish: epoxy coating

Nominal KS/ANSI size labels do not establish interchangeability. AJ560 NPS 2½ uses 73.0 mm O.D.; AJ550 DN 65 uses 76.3 mm. Specify the R or F configuration when ordering.

A selection reference compiled from the public catalog. It is not a certificate or a complete installation manual. Confirm pressure, fluid, temperature, pipe wall, gasket and approval scope for the exact model and size.

2026 grooved piping catalog · PDF page 6 · See the tables and catalog reference on the following pages.

[Product, specifications & RFQ ↗](#)

[Installation readiness guide ↗](#)

AJ560R

2026 grooved piping catalog · PDF 6

Nominal size (inch)	Pipe O.D. (mm)	Max. working pressure (kgf/cm²)	Max. end load (kN)	Allowable pipe-end separation (mm)	A (mm)	B (mm)	C (mm)	Bolt Φ × L	Wrench (mm)	Weight (kg)
2	60.3	30	6.9	1.6	87	134	47	M10 × 60	17	0.96
2.1/2	73.0	30	11.0	1.6	96	140	45	M10 × 65	17	0.89
3	88.9	30	15.0	1.6	117	165	47	M10 × 65	17	1.37
4	114.3	30	24.6	2.9	143	198	50	M12 × 65	19	1.74
5	141.3	30	32.2	2.9	170	227	50	M12 × 75	19	2.03
6	168.3	26	45.0	2.9	196	250	50	M12 × 80	19	2.24
8	219.1	26	77.2	3.2	255	327	60	M16 × 90	24	4.04

Values from the 2026 grooved piping catalog. Match the actual pipe outside diameter, not nominal size alone. Confirm operating limits, movement allowances and approval scope for the selected model before ordering. A/B/C refer to the drawing in the original catalog below.

AJ560F

2026 grooved piping catalog · PDF 6

Nominal size (inch)	Pipe O.D. (mm)	Max. working pressure (kgf/cm²)	Max. end load (kN)	Allowable pipe-end separation (mm)	Deflection per joint (°)	Pipe deflection (mm/6m)	A (mm)	B (mm)	C (mm)	Bolt Φ × L	Wrench (mm)	Weight (kg)
2	60.3	30	6.9	1.6	1.51	158.2	87	134	47	M10 × 60	17	0.94
2.1/2	73.0	30	11.0	1.6	1.20	125.7	96	140	45	M10 × 65	17	0.92
3	88.9	30	15.0	1.6	1.03	107.9	117	165	47	M10 × 65	17	1.37
4	114.3	30	24.6	3.2	1.60	167.6	143	198	50	M12 × 65	19	1.77
5	141.3	30	32.2	3.2	1.31	137.2	170	227	50	M12 × 75	19	2.11
6	168.3	26	45.0	3.2	1.11	116.3	196	250	50	M12 × 80	19	2.32
8	219.1	26	77.2	3.2	1.83	191.7	255	327	60	M16 × 90	24	4.14

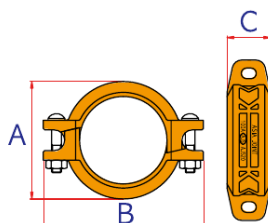
Values from the 2026 grooved piping catalog. Match the actual pipe outside diameter, not nominal size alone. Confirm operating limits, movement allowances and approval scope for the selected model before ordering. A/B/C refer to the drawing in the original catalog below.

Original catalog reference

2026 grooved piping catalog · PDF page 6

One-Stop Grooved Joint

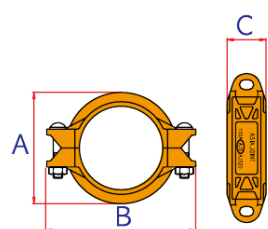
Rigid : AJ560R



- Joint mat'l : Ductile iron(A536)
- Gasket mat'l : EPDM
- Bolt/Nut mat'l : CS for machine structural use
- Paint : Epoxy coat

Nominal Size (Inch)	Pipe O.D. (mm)	Max.Working Pressure (kgf/cm ²)	Max.End Load (kN)	Allow.Pipe End Sep (mm)	Dimensions(mm)			Bolt Size (Φ X L)	Wrench Size (mm)	Weight (kg)
					A	B	C			
2	60.3	30	6.9	1.6	87	134	47	M10 X 60	17	0.96
2 1/2	73.0	30	11.0	1.6	96	140	45	M10 X 65	17	0.89
3	88.9	30	15.0	1.6	117	165	47	M10 X 65	17	1.37
4	114.3	30	24.6	2.9	143	198	50	M12 X 65	19	1.74
5	141.3	30	32.2	2.9	170	227	50	M12 X 75	19	2.03
6	168.3	26	45.0	2.9	196	250	50	M12 X 80	19	2.24
8	219.1	26	77.2	3.2	255	327	60	M16 X 90	24	4.04

Flexible : AJ560F



- Joint mat'l : Ductile iron(A536)
- Gasket mat'l : EPDM
- Bolt/Nut mat'l : CS for machine structural use
- Paint : Epoxy coat

Nominal Size (Inch)	Pipe O.D. (mm)	Max.Working Pressure (kgf/cm ²)	Max.End Load (kN)	Allow. Pipe End Sep (mm)	De-greases-per Joint	Pipe Deflection (mm/6m)	Dimensions(mm)			Bolt Size (Φ X L)	Wrench Size (mm)	Weight (kg)
							A	B	C			
2	60.3	30	6.9	1.6	1.51 °	158.2	87	134	47	M10 X 60	17	0.94
2 1/2	73.0	30	11.0	1.6	1.20 °	125.7	96	140	45	M10 X 65	17	0.92
3	88.9	30	15.0	1.6	1.03 °	107.9	117	165	47	M10 X 65	17	1.37
4	114.3	30	24.6	3.2	1.60 °	167.6	143	198	50	M12 X 65	19	1.77
5	141.3	30	32.2	3.2	1.31 °	137.2	170	227	50	M12 X 75	19	2.11
6	168.3	26	45.0	3.2	1.11 °	116.3	196	250	50	M12 X 80	19	2.32
8	219.1	26	77.2	3.2	1.83 °	191.7	255	327	60	M16 X 90	24	4.14