Anderson manufactures a complete line of quality line and tower end hardware to meet all transmission line construction needs. A variety of devices are available to bundle conductors, attach conductors to insulator strings and attach insulator strings to support arms.

Most of our line and tower end hardware is manufactured from ductile iron. Ductile iron castings offer great design flexibility and freedom to utilize design improvements without expensive tooling changes. We also provide a line of forged steel tower end fittings. Steel forgings are often required to provide the necessary ultimate strength when dimensional restrictions are imposed such as with most ball fittings, shackles and links.

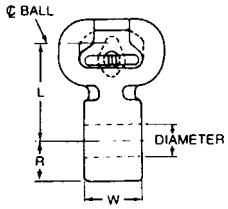
Ball and socket fittings are specified under an ANSI class with respect to insulators. We offer two types of ball and socket fittings: Standard fittings (rated 30,000 pounds) for ANSI 52-3 and 52-5 class insulators, and high strength fittings (rated 50,000 pounds) for ANSI 52-8 and 52-11 class insulators.

The ultimate strength rating of our line and tower end hardware indicates the load where rupture can occur. It is a fairly common industry practice to match the ultimate strength of line and tower end hardware to that of the associated insulators. Consequently, the ultimate strengths should not be construed to be a recommended constant tension applied to a fitting. It is expected that the customer will apply suitable safety factors.

TRANSMISSION CONNECTORS

HARDWARE FITTINGS
DUCTILE IRON
SOCKET EYE

DUCTILE IRON
SA



Socket eyes can be used for connecting conductor clamping devices to ball and socket type insulators.

Material: Body—ductile iron, galvanized
Cotter Pin—stainless steel

CATALOG NUMBER	ULTIMATE STRENGTH LBS. (KG)	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		W	R	L	DIA.	
SA04	18,000 (8,165)	1/2 (12.70)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.25 (.57)
SA049	20,000 (9,072)	1/2 (12.70)	13/16 (20.64)	3-1/4 (82.55)	9/16 (14.29)	1.28 (.58)
SA05	20,000 (9,072)	5/8 (15.88)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.25 (.57)
SA06	25,000 (11,340)	3/4 (19.05)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.30 (.59)
936032000	27,000 (12,247)	3/4 (19.05)	1 (25.40)	3 (76.20)	13/16 (20.64)	2.2 (1.00)
SA07	30,000 (13,608)	7/8 (22.23)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.35 (.61)
SA10	30,000 (13,608)	1 (25.40)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.40 (.64)
SA10054	30,000 (13,608)	1 (25.40)	13/16 (20.64)	5-1/2 (139.70)	11/16 (17.46)	1.90 (0.86)
SA11	30,000 (13,608)	1-1/8 (28.58)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.50 (.68)
936062000	30,000 (13,608)	1-1/4 (31.75)	1 (25.40)	3 (76.20)	1-1/16 (26.99)	2.3 (1.04)
936063002	30,000 (13,608)	1-1/4 (31.75)	1 (25.40)	3 (76.20)	1-3/16 (30.16)	2.3 (1.04)
SA13	30,000 (13,608)	1-3/8 (34.93)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.70 (.77)
SA13054	30,000 (13,608)	1-3/8 (34.93)	13/16 (20.64)	5-1/2 (139.70)	11/16 (17.46)	2.00 (0.91)
*SA1550	50,000 (22,680)	1-5/8 (41.28)	1 (25.40)	3-9/32 (83.34)	1-1/16 (26.99)	3.00 (1.36)
*SA15501	30,000 (13,608)	1-5/8 (41.28)	1 (25.40)	3-9/32 (83.34)	11/16 (17.46)	3.00 (1.36)
*SA15502	30,000 (13,608)	3/4 (19.05)	1 (25.40)	3-9/32 (83.34)	11/16 (17.46)	2.75 (1.25)
*SA15503	36,000 (16,344)	1-5/16 (33.34)	1 (25.40)	3-9/32 (83.34)	13/16 (20.64)	2.90 (1.32)
SA16	30,000 (13,608)	1-3/4 (44.45)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.80 (.82)
SA20	30,000 (13,608)	2 (50.80)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.85 (.84)
SA22	30,000 (13,608)	2-1/4 (57.15)	13/16 (20.64)	2-1/16 (52.39)	11/16 (17.46)	1.85 (.84)
SA1013	30,000 (13,608)	1 (25.40)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	1.50 (.68)
SA10.513	30,000 (13,608)	1-1/16 (26.99)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	1.30 (.50)
SA1113	30,000 (13,608)	1-1/8 (28.58)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	1.50 (.68)
SA1313	30,000 (13,608)	1-3/8 (34.93)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	1.75 (.79)
SA1417	30,000 (13,608)	1-1/2 (38.10)	1 (25.40)	2-1/2 (63.50)	1-1/16 (26.99)	1.75 (.79)
SA1613	30,000 (13,608)	1-3/4 (44.45)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	1.85 (.84)
SA16054	30,000 (13,608)	1-3/4 (44.45)	13/16 (20.64)	5-1/2 (139.70)	11/16 (17.46)	2.10 (0.95)
SA2113	30,000 (13,608)	2-1/8 (53.98)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	2.00 (.91)
SA2213	30,000 (13,608)	2-1/4 (57.15)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	2.00 (.91)
SA2413	30,000 (13,608)	2-1/2 (63.50)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	2.25 (1.02)
SA2613	30,000 (13,608)	2-3/4 (69.85)	13/16 (20.64)	2-1/16 (52.39)	13/16 (20.64)	2.85 (1.29)
*909662000	50,000 (22,680)	1-1/16 (26.99)	1-1/8 (28.58)	5-1/2 (139.70)	1-1/16 (26.99)	5.8 (2.63)
*909642000	50,000 (22,680)	1-3/16 (30.16)	1-1/8 (28.58)	5-1/2 (139.70)	13/16 (20.64)	5.3 (2.40)
*9096-2000	50,000 (22,680)	1-7/32 (30.96)	1-1/8 (28.58)	5-1/2 (139.70)	1-3/16 (30.16)	5.6 (2.54)
*909622000	50,000 (22,680)	1-7/16 (36.51)	1-1/8 (28.58)	5-1/2 (139.70)	1-3/16 (30.16)	5.8 (2.63)
*909612000	50,000 (22,680)	1-1/2 (38.10)	1-1/8 (28.58)	5-1/2 (139.70)	13/16 (20.64)	6.0 (2.72)

NOTE: (1) For use with class 52-3 and 52-5 insulators per ANSI Spec. C-29.2-71.
*For use with class 52-8 and 52-11 insulators per ANSI Spec. C-29.2-71.