

SUSPENSION CLAMPS: THCSA

TRUNNION HELICAL CUSHION SUSPENSION ASSEMBLY

THE THCSA IS A BOLTED ALUMINUM TRUNNION SUSPENSION CLAMP DESIGNED TO PROVIDE ENHANCED CONDUCTOR SUPPORT AND PROTECTION.

The THCSA combines a cast aluminum clamp assembly with helical aluminum alloy rod sets and EPDM rubber inserts. The rubber inserts are assembled directly onto the conductor and are held in place with helical rods. The clamp assembly is then bolted around the helical wrapped rubber supporting inserts to complete the trunnion install.

FEATURES & BENEFITS

- Rated for up to 250°C
- Designed for use on standard voltage applications with all aluminum, ACSR, ACSS, or aluminum alloy conductors
- Clamping Range of 0.543 - 1.208 inches.
- Trunnion Suspension for up to 30° line angle application

ALUMINUM

THCSA



hubbellpowersystems.com

For product inquiries, please contact your local sales representative or customer service representative.

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Catalog Number	Conductor Dia. Range Inches [mm]	Nominal Conductor Size (AWG or KCMIL)		ULT. Body Strength (LBS)	Applied Rod Length Inches [mm]	Rod Dia. Inches	Rods per Set	Std. Pack		Assembly Wt. (LBS)	Clamp Assembly Length Inches [mm]	Helical Rod Color Code
		ACSR/ACSS	AAC/AAAC					Rods	Clamp			
THCSA0555	0.543-0.555 [13.79-14.10]	NA	NA	5000	44.0 [1118]	0.182	10	12	12	32	5.311 [134.9]	BLACK
THCSA0573	0.556-0.573 [14.12-14.55]	4/0 (6/1)	"246.7 (7) 250 (7)"	5000	44.0 [1118]	0.182	11	12	12	34	5.311 [134.9]	WHITE
THCSA0594	0.574-0.594 [14.58-15.09]	NA	"250 (19) 266.8 (7) 266.8 (19)"	5000	45.0 [1143]	0.182	11	12	12	35	5.311 [134.9]	BROWN
THCSA0606	0.595-0.606 [15.11-15.39]	NA	NA	5000	46.0 [1168]	0.182	11	12	12	35	5.311 [134.9]	ORANGE
THCSA0619	0.607-0.619 [15.42-15.72]	266.8 (18/1)	NA	5000	46.0 [1168]	0.182	11	12	12	35	5.311 [134.9]	PURPLE
THCSA0645	0.620-0.645 [15.75-16.38]	266.8 (26/7)	"312.8 (19) 300 (19)"	5000	50.0 [1270]	0.182	12	12	12	36	5.311 [134.9]	RED
THCSA0673	0.646-0.673 [16.41-17.09]	266.8 (30/7)	336.4 (19)	5000	54.0 [1372]	0.204	11	9	9	35	7.201 [182.9]	BLUE
THCSA0690	0.674-0.690 [17.12-17.53]	"300 (26/7) 336.4 (18/1)"	350 (19)	5000	54.0 [1372]	0.204	11	9	9	35	7.201 [182.9]	GREEN
THCSA0710	0.691-0.710 [17.55-18.03]	336.4 (22/7)	NA	5000	54.0 [1372]	0.204	12	9	9	36	7.201 [182.9]	YELLOW
THCSA0731	0.711-0.731 [18.06-18.57]	336.4 (26/7)	"394.5 (19) 397.5 (19)"	5000	55.0 [1397]	0.204	12	9	9	37	7.201 [182.9]	BLACK
THCSA0750	0.732-0.750 [18.59-19.05]	"336.4 (30/7) 397.5 (18/1)"	NA	5000	56.0 [1422]	0.204	12	9	9	37	7.201 [182.9]	WHITE
THCSA0768	0.751-0.768 [19.08-19.51]	397.5 (20/7)	NA	5000	60.0 [1524]	0.250	10	6	6	32	8.000 [203.2]	BROWN
THCSA0795	0.769-0.795 [19.53-20.19]	"397.5 (24/7) 397.5 (26/7)"	"450 (19) 465.4 (19) 477 (19) 477 (37)"	5000	60.0 [1524]	0.250	11	6	6	33	8.000 [203.2]	ORANGE
THCSA0824	0.796-0.824 [20.22-20.93]	"397.5 (30/7) 477 (18/1)"	500 (19)	5000	61.0 [1549]	0.250	11	6	6	34	8.000 [203.2]	PURPLE
THCSA0845	0.825-0.845 [20.96-21.46]	NA	"559.5 (19) 556.5 (19) 556.5 (37)"	5000	64.0 [1626]	0.250	11	6	6	35	8.000 [203.2]	RED
THCSA0870	0.846-0.870 [21.49-22.10]	"477 (24/7) 477 (26/7)"	"550 (37) 556.5 (19) 556.5 (37)"	5000	64.0 [1626]	0.250	11	6	6	35	8.000 [203.2]	BLUE
THCSA0893	0.871-0.893 [22.12-22.68]	"556.5 (18/1) 477 (30/7)"	600 (37)	5000	65.0 [1651]	0.250	12	6	6	37	8.000 [203.2]	GREEN
THCSA0907	0.894-0.907 [22.71-23.04]	556.5 (22/7)	NA	5000	65.0 [1651]	0.250	12	6	6	37	8.000 [203.2]	GREEN
THCSA0920	0.908-0.920 [23.06-23.37]	556.5 (24/7)	636 (37W)	5000	65.40 [1660]	0.250	12	6	6	44	8.80 [224]	YELLOW
THCSA0937	0.921-0.937 [23.39-23.80]	556.5 (26/7)	650 (61-91W)	5000	66.00 [1676]	0.250	12	6	6	44	8.80 [224]	BLACK



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		ACSR/ACSS	AAC/AAAC					Rods	Clamp			
THCSA0962	0.938-0.962 [23.83-24.43]	605 (24/7)		5000	67.00 [1702]	0.250	12	6	6	44	8.80 [224]	WHITE
THCSA0986	0.963-0.986 [24.46-25.04]	636 (24/7)	715.5 (61W)	5000	68.00 [1730]	0.250	13	6	6	44	8.80 [224]	BROWN
THCSA1005	0.987-1.005 [25.07-25.53]	636 (26/7)	750 (61W)	5000	69.10 [1755]	0.250	13	6	6	44	8.80 [224]	ORANGE
THCSA1022	1.006-1.022 [25.55-25.96]	636 (30/19)		5000	80.30 [2040]	0.310	11	3	3	32	9.00 [229]	PURPLE
THCSA1040	1.023-1.040 [25.98-26.42]	795 (36/1)	795 (37-61W)	5000	81.10 [2060]	0.310	11	3	3	32	9.00 [229]	RED
THCSA1074	1.041-1.074 [26.44-27.28]	715.5 (26/7)	833.6 (37)	5000	82.00 [2083]	0.310	11	3	3	32	9.00 [229]	BLUE
THCSA1090	1.075-1.090 [27.31-27.69]	715.5 (30/19)	874.5 (37W)	5000	82.00 [2083]	0.310	12	3	3	32	9.00 [229]	GREEN
THCSA1118	1.091-1.118 [27.71-28.40]	795 (26/7)	900 (37-61W)	5000	82.00 [2083]	0.310	12	3	3	32	9.00 [229]	YELLOW
THCSA1136	1.119-1.136 [28.42-28.85]	900 (45/7)	954 (37W)	5000	82.00 [2083]	0.310	12	3	3	32	9.00 [229]	BLACK
THCSA1152	1.137-1.152 [28.88-29.26]	795 (30/19)	1000 (61W)	5000	82.00 [2083]	0.310	12	3	3	32	9.00 [229]	WHITE
THCSA1175	1.153-1.175 [29.29-29.85]	954 (45/7)	1033.5 (37W)	5000	82.00 [2083]	0.310	12	3	3	32	9.00 [229]	BROWN
THCSA1208	1.176-1.208 [29.87-30.68]	954 (54/7)	1092.3 (61)	5000	82.00 [2083]	0.310	12	3	3	43	9.00 [229]	ORANGE

(1) Right-hand lay standard. (2) For aluminum conductors types & sizes not listed, select catalog number based on dia. range to accommodate conductor.

