

Recommended Torque Values



INSTALLATION TORQUE VALUES FOR CIRCULAR ELECTRICAL CONNECTOR ACCESSORIES

Shell Sizes	Column 1 Light and Medium Duty AS50151 (AS31001 Series) MIL-DTL-26482 Series I MIL-DTL-26500, MIL-DTL-27599 MIL-DTL-38999 Series I and II MIL-C-81511 Series I, II, III and IV AS81703 Series I	Column 2 Heavy Duty AS50151 (AS34001 Series) MIL-DTL-22992, MIL-DTL-28840 MIL-DTL-26482 Series II MIL-DTL-38999 Series III and IV MIL-DTL-83723 Series I, II and III, AS81703 Series III	Column 3 Composite Material Coupling Threads (See Notes 1 and 2)
	In-Lbs, Min/Max	In-Lbs, Min/Max	In-Lbs, Min/Max
8, 9, A	30/40	51/61	20/25
3, 10, 10SL, 11, B	30/40	71/81	20/30
7, 12, 12S, 13, C	35/45	103/113	25/35
14, 14S, 15, D	35/45	111/121	25/35
16, 16S, 17, E	35/45	111/121	30/40
18, 19, 27, F	35/45	111/121	30/40
20, 21, 37, G	75/85	131/141	35/45
22, 23, H	75/85	131/141	35/45
24, 25, 61, J	75/85	131/141	35/45
28, 29	115/125	143/153	115/125
32, 33	115/125	143/153	115/125
36	115/125	142/153	112/125
40	155/165	159/169	N/A
44	155/165	159/169	N/A
48	155/165	159/169	N/A

RECOMMENDED JAM NUT TORQUE VALUES

Series II		Series I, III		Series IV	
Shell Size	In-Lbs Min/Max	Shell Size	In-Lbs Min/Max	Shell Size	In-Lbs Min/Max
8	46/50	9	30/36	-	-
10	55/60	11	40/46	11	55/60
12	70/75	13	55/60	13	70/75
14	80/85	15	70/75	15	70/75
16	90/95	17	80/85	17	80/85
18	100/110	19	90/95	19	100/110
20	110/120	21	110/120	21	110/120
22	120/130	23	110/120	23	120/130
24	140/150	25	120/130	25	120/130

TORQUE VALUES FOR CABLE CLAMP SCREWS ^{5, 6}

Screw Size	In-Lbs Min/Max
2-56	1.5/2.5
4-40	3.5/4.5
6-32	5.0/7.0
8-32	7.0/9.0
10-32	9.0/11.0
.250-20	11.0/13.0

CABLE CLAMP TORQUE VALUES

Clamp Size	With Grommet ⁴	Without Grommet
	In-Lbs Min/Max	In-Lbs Min/Max
3	8/12	30/40
4	10/15	30/40
6	10/15	35/55
8	12/20	35/55
10	12/20	35/55
12	15/30	40/60
16	20/40	40/60
20	20/40	40/60
24	25/45	80/100
28	30/50	80/100
32	30/50	80/100
40	40/60	80/100

- 1) Use Glenair 600-091/157 and 600-007 torque tools when tightening hexagonal composite accessory couplings.
- 2) Metal and composite torque values per SAE AIR 6151. All values provided in Inch-Pounds.
- 3) For additional guidance or values/conditions not listed, refer to SAE AIR6151.
- 4) Values are based on lubricated grommets and clamp threads.
- 5) For stainless-steel or plated steel screws into aluminum or stainless-steel.
- 6) Not applicable for light-duty saddles unless bottomed on clamp nut.

EMI/RFI shielding terminated with conical metal ferrule(s) should employ a minimum recommended torque of 35 in-lb.

Dimensions in inches (millimeters) and are subject to change without notice.

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Mil-Spec Backshells and Accessories

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