

MIL-DTL-38999 Series I Type Recommended torque values

INSTALLATION TORQUE VALUES FOR CIRCULAR ELECTRICAL CONNECTOR ACCESSORIES			
Shell Sizes	Column 1 In-Lbs, Min/Max	Column 2 In-Lbs, Min/Max	Column 3 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

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)

SERIES I AND II RECOMMENDED JAM-NUT TORQUE VALUES			
UN Thread Sizes -2B	Torque min/max (in/lbs)	Connector Shell Size Reference	
		Sr I	Sr III
.6875-24 UNEF	28/34	9	--
.8125-20 UNEF	34/40	11	--
.875-20 UNEF	40/46	--	8
1.000-20 UNEF	50/55	13	10
1.125-18 UN	70/75	15	12
1.250-18 UN	80/85	17	14
1.375-18 UNEF	80/85	19	16
1.500-18 UN	105/115	21	18
1.625-18 ENEF	105/115	23	20
1.750-18 UNS	110/120	25	22
1.875-16 UN	120/130	--	24

SERIES II AND IV RECOMMENDED JAM-NUT TORQUE VALUES			
Metric Thread Sizes - X1- 6H	Torque min/max (in/lbs)	Connector Shell Size Reference	
		Sr III	Sr IV
M17	30/36	9	--
M20	40/46	11	--
M25	50/60	13	11
M28	70/75	15	13
M31	70/75	--	15
M32	80/85	17	--
M34	80/85	--	17
M35	90/95	19	--
M38	100/110	21	19
M41	110/120	23	21
M44	120/130	25	23
M47	120/130	--	25

TORQUE VALUES FOR CABLE CLAMP SCREWS	
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

See Note 5 And 6

CABLE CLAMP TORQUE VALUES		
Clamp Size	With Grommet See Note 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

NOTES

- 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.

recommended torque of 35 in-lb.

EMI/RFI shielding terminated with conical metal ferrule(s) should employ a minimum