

TOOLING GUIDE FOR AS7928 MIL-SPEC TERMINALS 8 THROUGH 4/0 AWG (CLASS 1)



MS20659
(107-124, 129-137, 140-160)
Sizes 8 to 4/0 AWG

Type: Class 1 Uninsulated Terminals, Ring Tongue
Insulation: None
Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Tin, ASTM B-545
Max Temp Rating: 175° C

Terminal Part Number	AWG	Terminal Specs		DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Dia. in. (mm)	HD51* (5-01), HDE51C* (8-01), XHD51* (4-01) Hex Crimp	HD51* (5-01), HDE51C* (8-01), XHD51* (4-01) Incent Crimp	HD120* (3-01), TBHD1M (1) Hex Crimp
MS20659-107	8	6.64 - 10.5	10	Uninsulated	HD51-192* Die, MS2597-001	HD51-199* Die, MS2597-010	HD485-8 Die, MS90485-8
			5/16				
MS20659-109	6	10.5 - 16.8	1/4	Uninsulated	HD51-193* Die, MS2597-002	HD51-200* Die, MS2597-011	HD485-6 Die, MS90485-6
			3/8				
MS20659-111	4	16.8 - 26.7	1/4	Uninsulated	HD51-194* Die, MS2597-003	HD51-201* Die, MS2597-012	HD485-4 Die, MS90485-4
			5/16				
MS20659-113	2	26.7 - 42.4	1/4	Uninsulated	HD51-195* Die, MS2597-004	HD51-202* Die, MS2597-013	HD485-2 Die, MS90485-2
			3/8				
MS20659-115	1	40.0 - 42.0	1/4	Uninsulated	HD51-196* Die, MS2597-005	--	HD485-1 Die, MS90485-1
			3/8				
MS20659-117	1/0	42.4 - 60.6	1/4	Uninsulated	HD51-197* Die, MS2597-006	HD51-203* Die, MS2597-014	HD485-01 Die, MS90485-01
			3/8				
MS20659-119	#2/0	60.6 - 76.3	3/8	Uninsulated	HD51-198* Die, MS2597-007	HD51-204* Die, MS2597-015	HD485-02 Die, MS90485-02
			1/2				
MS20659-121	#3/0	76.3 - 96.3	3/8	Uninsulated	--	--	HD485-03 Die, MS90485-03
			1/2				
MS20659-123	4/0	96.3 - 117	3/8	Uninsulated	--	--	HD485-04 Die, MS90485-04
			1/2				
MS20659-129	8	6.64 - 10.5	3/8	Uninsulated	HD51-192* Die, MS2597-001	HD51-199* Die, MS2597-010	HD485-8 Die, MS90485-8
			5/16				
MS20659-130	6	10.5 - 16.8	10	Uninsulated	HD51-193* Die, MS2597-002	HD51-200* Die, MS2597-011	HD485-6 Die, MS90485-6
			5/16				
MS20659-132	4	16.8 - 26.7	5/16	Uninsulated	HD51-194* Die, MS2597-003	HD51-201* Die, MS2597-012	HD485-4 Die, MS90485-4
			1/2				
MS20659-133	2	26.7 - 42.4	1/2	Uninsulated	HD51-195* Die, MS2597-004	HD51-202* Die, MS2597-013	HD485-2 Die, MS90485-2
			1/2				
MS20659-134	1	40.0 - 42.0	1/2	Uninsulated	HD51-196* Die, MS2597-005	--	HD485-1 Die, MS90485-1
			1/2				
MS20659-135	1/0	42.4 - 60.6	1/2	Uninsulated	HD51-197* Die, MS2597-006	HD51-203* Die, MS2597-014	HD485-01 Die, MS90485-01
			1/2				
MS20659-136	2/0	60.6 - 76.3	1/2	Uninsulated	HD51-198* Die, MS2597-007	HD51-204* Die, MS2597-015	HD485-02 Die, MS90485-02
			1/2				
MS20659-137	4/0	96.3 - 117	7/8	Uninsulated	--	--	HD485-04 Die, MS90485-04
			8				
MS20659-141	8	6.64 - 10.5	1/4	Uninsulated	HD51-192* Die, MS2597-001	HD51-199* Die, MS2597-010	HD485-8 Die, MS90485-8
			5/16				
MS20659-142	6	10.5 - 16.8	1/2	Uninsulated	HD51-193* Die, MS2597-002	HD51-200* Die, MS2597-011	HD485-6 Die, MS90485-6
			10				
MS20659-144	4	16.8 - 26.7	10	Uninsulated	HD51-194* Die, MS2597-003	HD51-201* Die, MS2597-012	HD485-4 Die, MS90485-4
			1/2				
MS20659-146	2	26.7 - 42.4	10	Uninsulated	HD51-195* Die, MS2597-004	HD51-202* Die, MS2597-013	HD485-2 Die, MS90485-2
			5/16				
MS20659-147	2	26.7 - 42.4	5/16	Uninsulated	HD51-196* Die, MS2597-005	--	HD485-1 Die, MS90485-1
			7/16				
MS20659-148	1	40.0 - 42.0	5/16	Uninsulated	HD51-197* Die, MS2597-006	HD51-203* Die, MS2597-014	HD485-01 Die, MS90485-01
			7/16				
MS20659-149	1/0	42.4 - 60.6	5/16	Uninsulated	HD51-198* Die, MS2597-007	HD51-204* Die, MS2597-015	HD485-02 Die, MS90485-02
			7/16				
MS20659-151	2/0	60.6 - 76.3	1/4	Uninsulated	HD51-199* Die, MS2597-008	--	HD485-03 Die, MS90485-03
			1/2				
MS20659-153	3/0	76.3 - 96.3	5/16	Uninsulated	--	--	HD41285-03 Die, MS90485-03
			7/16				
MS20659-155	4/0	96.3 - 117	5/16	Uninsulated	--	--	HD485-04 Die, MS90485-04
			7/16				
MS20659-157	4/0	96.3 - 117	5/16	Uninsulated	--	--	HD485-04 Die, MS90485-04
			7/16				
MS20659-158	4/0	96.3 - 117	5/8	Uninsulated	--	--	HD485-04 Die, MS90485-04
			3/4				
MS20659-159	4/0	96.3 - 117	5/8	Uninsulated	--	--	HD485-04 Die, MS90485-04
			3/4				
MS20659-160	4/0	96.3 - 117	3/4	Uninsulated	--	--	HD485-04 Die, MS90485-04
			3/4				

MS25036
(115-141)
Sizes 8 to 4/0 AWG

Type: Class 1 Insulated Terminals, Insulation: Nylon, UL 94V-2
Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Tin, ASTM B-545
Max Temp Rating: 105° C

Terminal Part Number	AWG	Terminal Specs		DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Dia. in. (mm)	Sleeve Color	HD51* (5-01), HDE51C* (8-01), XHD51* (4-01)	HD120* (3-01), TBHD1M (1)
MS25036-115	8	6.64 - 10.5	10	.290 (7.55)	Red	HD51-205* Die, MS2597-016	HD002-8 Die, MS23002-8
			1/4				
			5/16				
			3/8				
MS25036-117	6	10.5 - 16.8	10	.370 (9.55)	Blue	HD51-206* Die, MS2597-017	HD002-6 Die, MS23002-6
			1/4				
			5/16				
			3/8				
MS25036-120	4	16.8 - 26.7	1/4	.430 (11.05)	Yellow	HD51-207* Die, MS2597-018	HD002-4 Die, MS23002-4
			5/16				
			3/8				
			1/2				
MS25036-124	2	26.7 - 42.4	1/4	.505 (12.83)	Red	HD51-208* Die, MS2597-019	HD002-2 Die, MS23002-2
			5/16				
			3/8				
			1/2				
MS25036-127	1	40.0 - 42.0	1/4	.572	Clear	--	HD002-1 Die, MS23002-1
			5/16				
			3/8				
			1/2				
MS25036-129	1/0	42.4 - 60.6	1/4	.632 (16.05)	Blue	--	HD002-01 Die, MS23002-01
			5/16				
			3/8				
			1/2				
MS25036-133	2/0	60.6 - 76.3	5/16	.684 (17.37)	Yellow	--	HD002-02 Die, MS23002-02
			3/8				
			1/2				
			1/2				
MS25036-136	3/0	76.3 - 96.3	3/8	.737 (18.72)	Red	--	HD002-03 Die, MS23002-03
			1/2				
			1/2				
			1/2				
MS25036-140	4/0	96.3 - 117	3/8	.799 (20.29)	Blue	--	HD002-04 Die, MS23002-04
			1/2				

MS25435
(1 -31), Sizes 8 to 4/0 AWG
(AS70991 - Terminals for Aluminum Wire)

Type: Class 1 Uninsulated Terminals, Straight Type, for Aluminum Aircraft Wire
Terminal Body: Wrought Aluminum, Plating: Tin

Terminal Part Number	AWG	Terminal Specs		DMC MIL Qualified Tool/Die Options		
		Wire Size mm	Stud Size	Insulation Dia. in. (mm)	HD51* (5-01), HDE51C* (8-01), XHD51* (4-01)	HD120* (3-01), TBHD1M (1)
MS25435-1	8	6.64 - 10.5	10	Uninsulated	--	HD442-8A Die, MS25442-8A
			1/4			
			5/16			
			3/8			
MS25435-5	6	10.5 - 16.8	10	Uninsulated	--	HD442-6A Die, MS25442-6A
			1/4			
			5/16			
			3/8			
MS25435-9	4	16.8 - 26.7	10	Uninsulated	--	HD442-4A Die, MS25442-4A
			1/4			
			5/16			
			3/8			
MS25435-13	2	26.7 - 42.4	1/4	Uninsulated	--	HD442-2A Die, MS25442-2A
			5/16			
			3/8			
			1/2			
MS25435-17	1	40.0 - 42.0	1/4	Uninsulated	--	HD442-1A Die, MS25442-1A
			5/16			
			3/8			
			1/2			
MS25435-21	1/0	42.4 - 60.6	1/4	Uninsulated	--	HD442-01A Die, MS25442-01A
			5/16			
			3/8			
			1/2			
MS25435-25	2/0	60.6 - 76.3	5/16	Uninsulated	--	HD442-02A Die, MS25442-02A
			1/2			
MS25435-27	3/0	76.3 - 96.3	3/8	Uninsulated	--	HD442-03A Die, MS25442-03A
			1/2			
MS25435-29	4/0	96.3 - 117	3/8	Uninsulated	--	HD442-04A Die, MS25442-04A
			1/2			

TOOLS Manual, Battery, & Pneumatic

HD51 Series - Wire Range: 8-2/0 Crimp Force: 5 Tons



HD120 & TBHD1M - Wire Range: 8-4/0 Crimp Force: 12 Tons



PUMPS Manual, Battery, & Pneumatic



DIES Uninsulated, Insulated, & Aluminum Wire

