

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 Specs				DMC MIL Qualified Tool/Die Options			
Terminal Part Number	AWG	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) Indent Crimp	HD120* (/3-01), TBHD1M (/1) Hex Crimp
MS20659-	107	#8	6.64 - 10.5	10	Uninsulated	HD51-192* Die, MS259/7-001	HD485-8 Die, MS90485-8
	108		5/16				
MS20659-	109	#6	10.5 - 16.8	1/4	Uninsulated	HD51-193* Die, MS259/7-002	HD485-6 Die, MS90485-6
	110		3/8				
MS20659-	111	#4	16.8 - 26.7	1/4	Uninsulated	HD51-194* Die, MS259/7-003	HD485-4 Die, MS90485-4
	112		5/16				
MS20659-	113	#2	26.7 - 42.4	1/4	Uninsulated	HD51-195* Die, MS259/7-004	HD485-2 Die, MS90485-2
	114		3/8				
MS20659-	115	#1	40.0 - 42.0	1/4	Uninsulated	HD51-196* Die, MS259/7-005	HD485-1 Die, MS90485-1
	116		3/8				
MS20659-	117	#1/0	42.4 - 60.6	1/4	Uninsulated	HD51-197* Die, MS259/7-006	HD485-01 Die, MS90485-01
	118		3/8				
MS20659-	119	#2/0	60.6 - 76.3	3/8	Uninsulated	HD51-198* Die, MS259/7-007	HD485-02 Die, MS90485-02
	120		1/2				
MS20659-	121	#3/0	76.3 - 96.3	3/8	Uninsulated	--	HD485-03 Die, MS90485-03
	122		1/2				
MS20659-	123	#4/0	96.3 - 117	3/8	Uninsulated	--	HD485-04 Die, MS90485-04
	124		1/2				
MS20659-	129	#8	6.64 - 10.5	3/8	Uninsulated	HD51-192* Die, MS259/7-001	HD485-8 Die, MS90485-8
	130		10				
MS20659-	131	#6	10.5 - 16.8	5/16	Uninsulated	HD51-193* Die, MS259/7-002	HD485-6 Die, MS90485-6
	132		10				
MS20659-	133	#2	26.7 - 42.4	1/2	Uninsulated	HD51-194* Die, MS259/7-003	HD485-4 Die, MS90485-4
MS20659-	134	#1	40.0 - 42.0	1/2	Uninsulated	HD51-195* Die, MS259/7-004	HD485-2 Die, MS90485-2
MS20659-	135	#1/0	42.4 - 60.6	1/2	Uninsulated	HD51-196* Die, MS259/7-005	HD485-1 Die, MS90485-1
MS20659-	136	#2/0	60.6 - 76.3	1/2	Uninsulated	HD51-197* Die, MS259/7-006	HD485-02 Die, MS90485-02
MS20659-	137	#4/0	96.3 - 117	7/8	Uninsulated	--	HD485-04 Die, MS90485-04
MS20659-	140	#8	6.64 - 10.5	8	Uninsulated	HD51-192* Die, MS259/7-001	HD485-8 Die, MS90485-8
	141			10			
MS20659-	142	#6	10.5 - 16.8	1/4	Uninsulated	HD51-193* Die, MS259/7-002	HD485-6 Die, MS90485-6
	143			5/16			
MS20659-	144	#4	16.8 - 26.7	10	Uninsulated	HD51-194* Die, MS259/7-003	HD485-4 Die, MS90485-4
	145			1/2			
MS20659-	146	#2	26.7 - 42.4	10	Uninsulated	HD51-195* Die, MS259/7-004	HD485-2 Die, MS90485-2
	147			5/16			
MS20659-	148	#1	40.0 - 42.0	7/16	Uninsulated	HD51-196* Die, MS259/7-005	HD485-1 Die, MS90485-1
	149			10			
MS20659-	151	#1/0	42.4 - 60.6	5/16	Uninsulated	HD51-197* Die, MS259/7-006	HD485-01 Die, MS90485-01
	152			7/16			
MS20659-	153	#2/0	60.6 - 76.3	1/4	Uninsulated	HD51-198* Die, MS259/7-007	HD485-02 Die, MS90485-02
	154			7/16			
MS20659-	155	#3/0	76.3 - 96.3	5/16	Uninsulated	--	HD41285-03 Die, MS90485-03
	156			7/16			
MS20659-	157	#4/0	96.3 - 117	5/16	Uninsulated	--	HD485-04 Die, MS90485-04
	158			7/16			
	159			5/8			
	160			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 Specs				DMC MIL Qualified Tool/Die Options			
Terminal Part Number	AWG	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, MS259/7-016
	116		1/4				
	117		5/16				
	118		3/8				
MS25036-	119	#6	10.5 - 16.8	10	.370 (9.55)	Blue	HD51-206* Die, MS259/7-017
	120		1/4				
	121		5/16				
	122		3/8				
MS25036-	123	#4	16.8 - 26.7	1/4	.430 (11.05)	Yellow	HD51-207* Die, MS259/7-018
	124		5/16				
	125		3/8				
	126		1/2				
MS25036-	127	#2	26.7 - 42.4	3/8	.505 (12.83)	Red	HD51-208* Die, MS259/7-019
	128		1/2				
	129		1/4				
	130		3/8				
MS25036-	131	#1	40.0 - 42.0	3/8	.572	Clear	--
	132		1/2				
	133		1/4				
	134		3/8				
MS25036-	135	#1/0	42.4 - 60.6	3/8	.632 (16.05)	Blue	--
	136		1/2				
	137		5/16				
	138		3/8				
MS25036-	139	#3/0	60.6 - 76.3	3/8	.684 (17.37)	Yellow	--
	140		1/2				
	141		3/8				
	142		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 Specs				DMC MIL Qualified Tool/Die Options			
Terminal Part Number	AWG	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	--	
	2		1/4				
	3		5/16				
	4		3/8				
MS25435-	5	#6	10.5 - 16.8	10	Uninsulated	--	
	6		1/4				
	7		5/16				
	8		3/8				
MS25435-	9	#4	16.8 - 26.7	10	Uninsulated	--	
	10		1/4				
	11		5/16				
	12		3/8				
MS25435-	13	#2	26.7 - 42.4	10	Uninsulated	--	
	14		1/4				
	15		5/16				
	16		3/8				
MS25435-	17	#1	40.0 - 42.0	10	Uninsulated	--	
	18		1/4				
	19		5/16				
	20		3/8				
MS25435-	21	#1/0	42.4 - 60.6	10	Uninsulated	--	
	22		1/4				
	23		5/16				
	24		3/8				
MS25435-	25	#2/0	60.6 - 76.3	10	Uninsulated	--	
	26		1/4				
	27		5/16				
	28		3/8				
MS25435-	29	#3/0	76.3 - 96.3	1/2	Uninsulated	--	
	30		3/8				
MS25435-	31	#4/0	96.3 - 117	1/2	Uninsulated	--	

TOOLS

Manual, Battery, & Pneumatic

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



HD51* (AS5259/5-01) Manual Hydraulic Tool
HDE51C* (AS5259/8-01) Battery Hydraulic Tool
XHD51* (AS5259/4-01) Pneumatic Hydraulic Tool

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

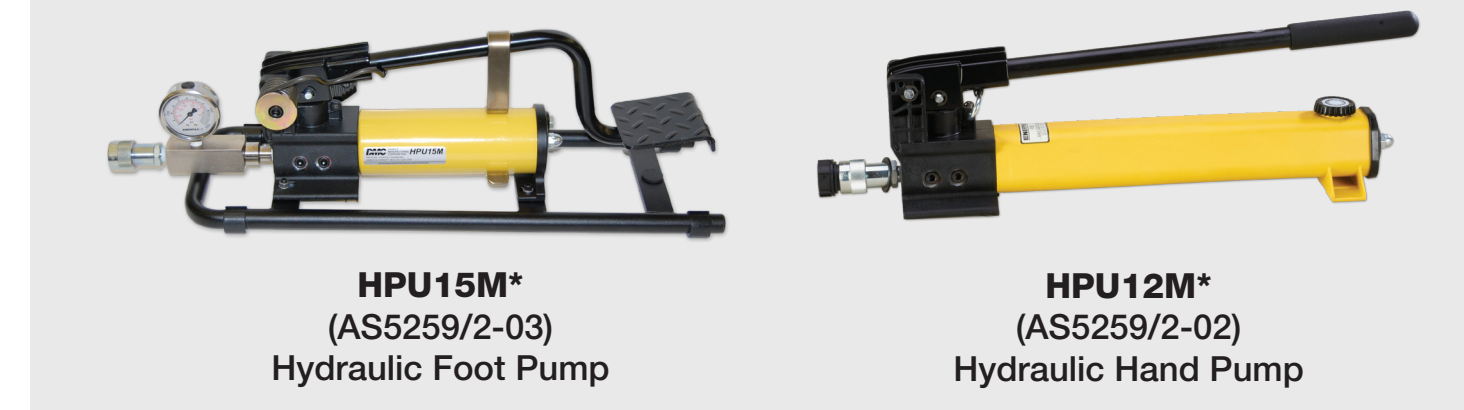


HD120* (AS5259/3-01) Manual Hydraulic Tool
TBHD1M MS25441-1 (AS5259/1) Pneumatic Hydraulic Tool

PUMPS

Manual, Battery, & Pneumatic

Manual



HPU15M* (AS5259/2-03) Hydraulic Foot Pump
HPU12M* (AS5259/2-02) Hydraulic Hand Pump

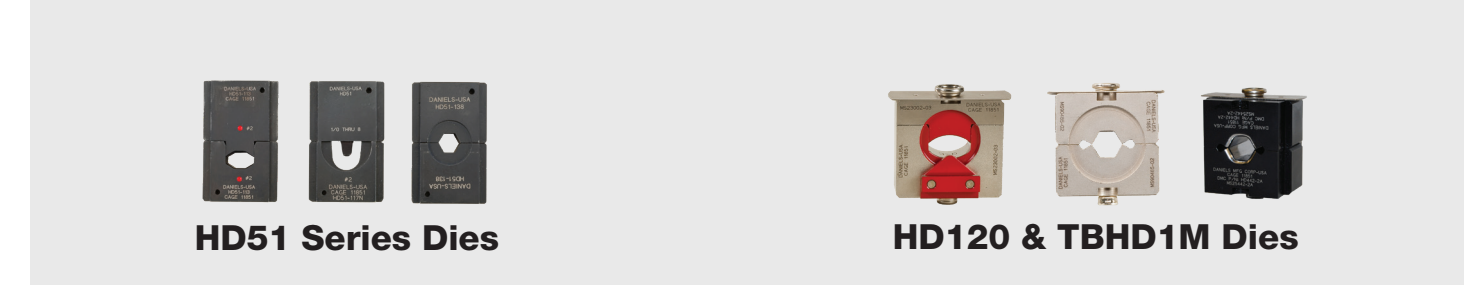
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HPU11M MS25441-5 (AS5259/2-06) Pneumatic Hydraulic Pump
HPU13M* (AS5259/2-04) Battery Hydraulic Pump

DIES

Uninsulated, Insulated, & Aluminum Wire



HD51 Series Dies
HD120 & TBHD1M Dies