

Tooling Guide

for Aerospace Wiring Systems

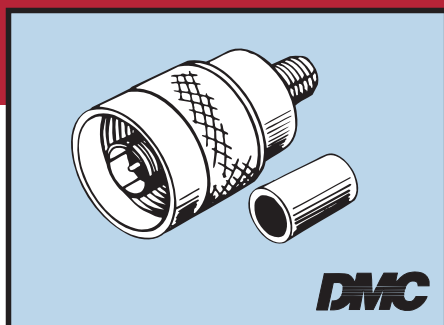


DMC **DANIELS
MANUFACTURING
CORPORATION**

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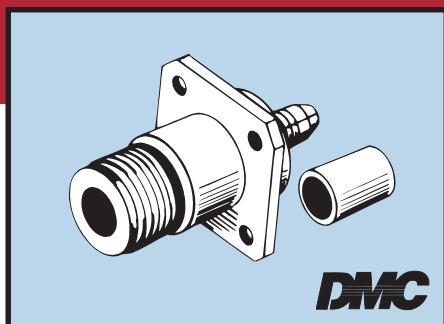
R.F. Connectors Tool Selection Guide



MIL-DTL-39012/1 SERIES N

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG	M39012/01-0501
	M39012/01-0502
	M39012/01-0503

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/1-10	P	RED	BLA	214	AF8		TH285	
O.F. M39012/1-50	—	—	—	225 393	HX4		Y176	
I.C. M39012/1-10	P	RED	BLA	213	AF8		TH285	
O.F. M39012/1-51	—	—	—		HX4		Y176	
I.C. M39012/1-11	P	BLU	BLA	142	AF8		TH285	
O.F. M39012/1-52	—	—	—	400	HX4	HX3	Y142	X144



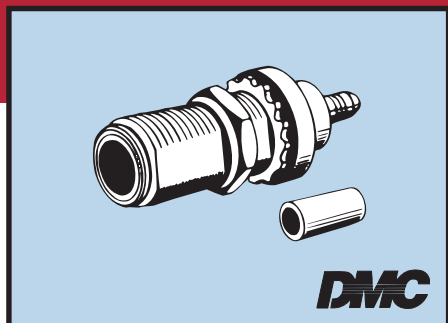
MIL-DTL-39012/2 SERIES N

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG AND RECEPTACLE FLANGE MOUNTED	M39012/02-0501
	M39012/02-0511
	M39012/02-0502
	M39012/02-0512
	M39012/02-0503
	M39012/02-0513

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/2-10	S	RED	BRO	214	AF8		TH285	
O.F. M39012/2-50	—	—	—	225	HX4	HX3	Y178	
				393				
I.C. M39012/2-10	S	RED	BRO	213	AF8		TH285	
O.F. M39012/2-51	—	—	—		HX4		Y178	
I.C. M39012/2-11	S	BLU	BRO	142	AF8		TH285	
O.F. M39012/2-52	—	—	—	400	HX4	HX3	Y142	X144

* I.C. - Inner Contact, O.F. - Outer Ferrule

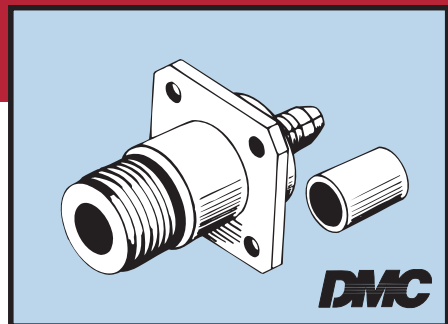
DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



MIL-DTL-39012/3 SERIES N

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
JAM NUT MOUNTED	M39012/03-0501
	M39012/03-0502
	M39012/03-0503

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/3-10	S	RED	RED	214	AF8		TH286	
O.F. M39012/3-50	—	—	—	225 393	HX4		Y178	
I.C. M39012/3-10	S	RED	RED	213	AF8		TH286	
O.F. M39012/3-51	—	—	—		HX4		Y178	
I.C. M39012/3-11	S	BLU	RED	142	AF8		TH286	
O.F. M39012/3-52	—	—	—	400	HX4	HX3	Y142	X144



MIL-DTL-39012/5 SERIES N

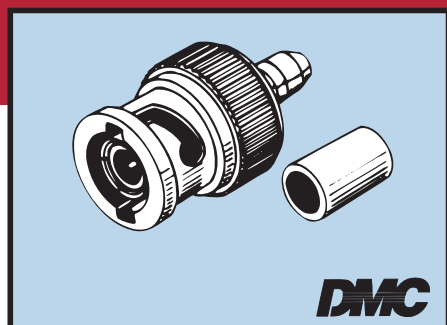
CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG RIGHT ANGLE	M39012/05-0501
	M39012/05-0502
	M39012/05-0503

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/5-10	P	RED	ORA	214	AF8		TH285	
O.F. M39012/5-50	—	—	—	225 393	HX4		Y178	
I.C. M39012/5-10	P	RED	ORA	213	AF8		TH285	
O.F. M39012/5-51	—	—	—		HX4		Y178	

* I.C. - Inner Contact, O.F. - Outer Ferrule

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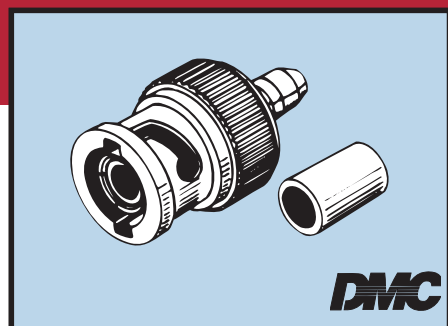
R.F. Connectors Tool Selection Guide



MIL-DTL-39012/16 SERIES BNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG PIN CONTACT	M39012/16-0501
	M39012/16-0502
	M39012/16-0503
	M39012/16-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/16-12 O.F. M39012/16-50	P —	ORA —	YEL —	122	AF8		TH270	
I.C. M39012/16-11 O.F. M39012/16-50	P —	BLU —	YEL —		HX4 HX3		Y197	X102
I.C. M39012/16-10 O.F. M39012/16-51	P —	RED —	YEL —	142 400	AF8		TH270	
I.C. M39012/16-10 O.F. M39012/16-52	P —	RED —	YEL —		HX4 HX3		Y197	X102
I.C. M39012/16-10 O.F. M39012/16-52	P —	RED —	YEL —	58	AF8		TH270	
					HX4 HX3		Y197	X102



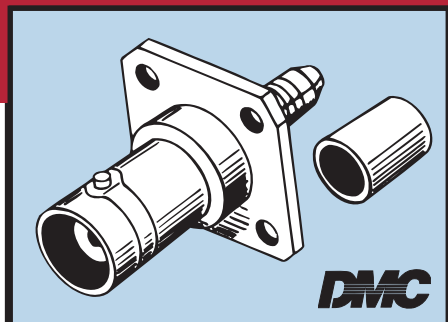
MIL-DTL-39012/17 SERIES BNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG SOCKET CONTACT	M39012/17-0501
	M39012/17-0502
	M39012/17-0503
	M39012/17-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/17-12 O.F. M39012/17-50	S —	ORA —	GRE —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/17-11 O.F. M39012/17-50	S —	BLU —	GRE —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/17-10 O.F. M39012/17-51	S —	RED —	GRE —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/17-10 O.F. M39012/17-52	S —	RED —	GRE —	58	AF8		TH270	
					HX4	HX3	Y197	X102

* I.C. - Inner Contact, O.F. - Outer Ferrule

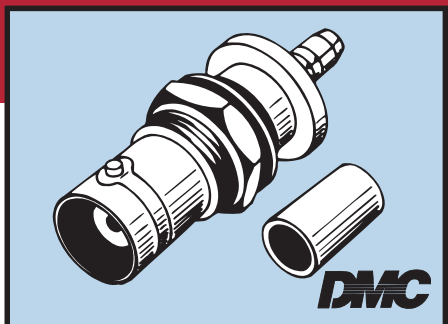
DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



MIL-DTL-39012/18 SERIES BNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
RECEPTICLE, FLANGE MOUNTED	M39012/18-0501
	M39012/18-0502
	M39012/18-0503
	M39012/18-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/18-12 O.F. M39012/18-50	S —	ORA —	GRE —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/18-11 O.F. M39012/18-50	S —	BLU —	GRE —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/18-10 O.F. M39012/18-51	S —	RED —	GRE —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/18-10 O.F. M39012/18-52	S —	RED —	GRE —	58	AF8		TH270	
					HX4	HX3	Y197	X102



MIL-DTL-39012/19 SERIES BNC

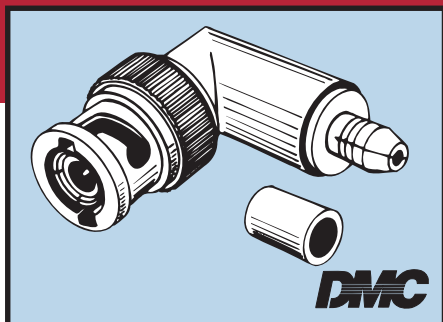
CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
JAM NUT MOUNT	M39012/19-0501
	M39012/19-0502
	M39012/19-0503
	M39012/19-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/19-12 O.F. M39012/19-50	S —	ORA —	BLU —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/19-11 O.F. M39012/19-50	S —	BLU —	BLU —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/19-10 O.F. M39012/19-51	S —	RED —	BLU —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/19-10 O.F. M39012/19-52	S —	RED —	BLU —	58	AF8		TH270	
					HX4	HX3	Y197	X102

* I.C. - Inner Contact, O.F. - Outer Ferrule

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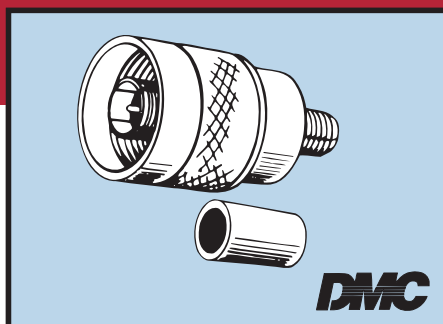
R.F. Connectors Tool Selection Guide



MIL-DTL-39012/20 SERIES BNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG RIGHT ANGLE	M39012/20-0501
	M39012/20-0502
	M39012/20-0503
	M39012/20-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/20-12 O.F. M39012/20-50	P —	ORA —	VIO —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/20-11 O.F. M39012/20-50	P —	BLU —	VIO —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/20-10 O.F. M39012/20-51	P —	RED —	VIO —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/20-10 O.F. M39012/20-52	P —	RED —	VIO —	58	AF8		TH270	
					HX4	HX3	Y197	X102

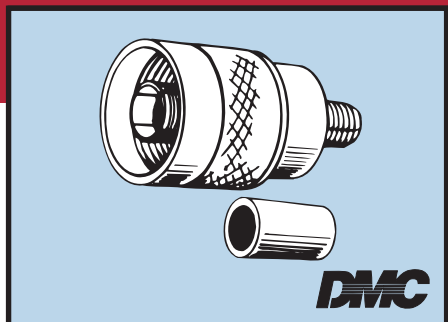


MIL-DTL-39012/26 SERIES TNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG PIN CONTACT	M39012/26-0501
	M39012/26-0502
	M39012/26-0503
	M39012/26-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/26-12 O.F. M39012/26-50	P —	ORA —	YEL —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/26-11 O.F. M39012/26-50	P —	BLU —	YEL —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/26-10 O.F. M39012/26-51	P —	RED —	YEL —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/26-10 O.F. M39012/26-52	P —	RED —	YEL —	58	AF8		TH270	
					HX4	HX3	Y197	X102

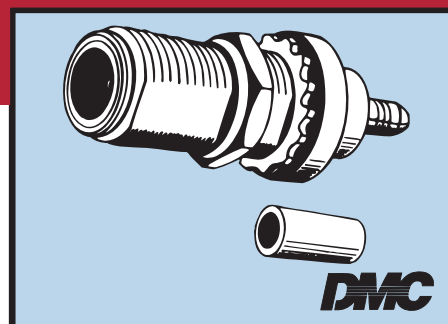
DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



MIL-DTL-39012/27 SERIES TNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG SOCKET CONTACT	M39012/27-0501
	M39012/27-0502
	M39012/27-0503
	M39012/27-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL	POSITIONER OR DIE		
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/27-12 O.F. M39012/27-50	S —	ORA —	GRE —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/27-11 O.F. M39012/27-50	S —	BLU —	GRE —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/27-10 O.F. M39012/27-51	S —	RED —	GRE —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/27-10 O.F. M39012/27-52	S —	RED —	GRE —	58	AF8		TH270	
					HX4	HX3	Y197	X102



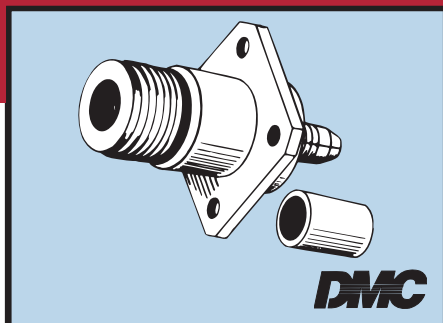
MIL-DTL-39012/28 SERIES TNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
JAM NUT MOUNT	M39012/28-0501
	M39012/28-0502
	M39012/28-0503
	M39012/28-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL	POSITIONER OR DIE		
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/28-12 O.F. M39012/28-50	S —	ORA —	BLU —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/28-11 O.F. M39012/28-50	S —	BLU —	BLU —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/28-10 O.F. M39012/28-51	S —	RED —	BLU —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/28-10 O.F. M39012/28-52	S —	RED —	BLU —	58	AF8		TH270	
					HX4	HX3	Y197	X102

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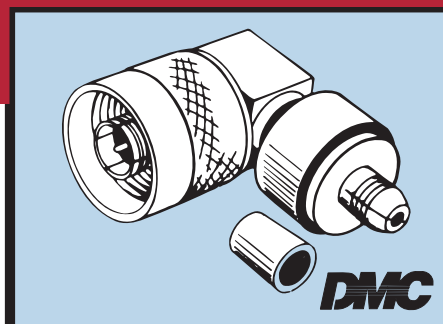
R.F. Connectors Tool Selection Guide



MIL-DTL-39012/29 SERIES TNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
RECEPTACLE FLANGE MOUNTING	M39012/29-0501
	M39012/29-0502
	M39012/29-0503
	M39012/29-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/29-12 O.F. M39012/29-50	S —	ORA —	GRE —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/29-11 O.F. M39012/29-50	S —	BLU —	GRE —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/29-10 O.F. M39012/29-51	S —	RED —	GRE —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/29-10 O.F. M39012/29-52	S —	RED —	GRE —	58	AF8		TH270	
					HX4	HX3	Y197	X102



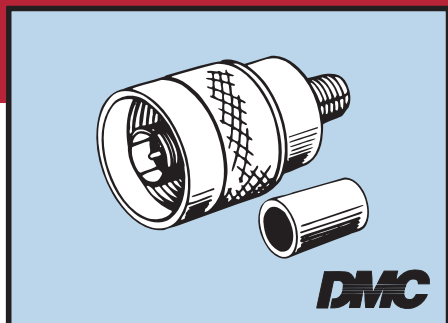
MIL-DTL-39012/30 SERIES TNC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG RIGHT ANGLE	M39012/30-0501
	M39012/30-0502
	M39012/30-0503
	M39012/30-0504

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/30-12 O.F. M39012/30-50	P —	ORA —	VIO —	122	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/30-11 O.F. M39012/30-50	P —	BLU —	VIO —	180	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/30-10 O.F. M39012/30-51	P —	RED —	VIO —	142 400	AF8		TH270	
					HX4	HX3	Y197	X102
I.C. M39012/30-10 O.F. M39012/30-52	P —	RED —	VIO —	58	AF8		TH270	
					HX4	HX3	Y197	X102

* I.C. - Inner Contact, O.F. - Outer Ferrule

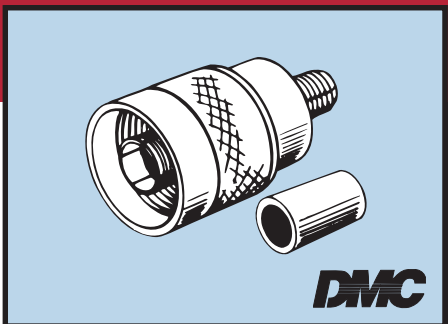
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MIL-DTL-39012/35 SERIES SC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG PIN CONTACT	M39012/35-0501
	M39012/35-0502
	M39012/35-0503

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/35-10	P	RED	GRA	214	AF8		TH286	
O.F. M39012/35-50	—	—	—	225 393	HX4		Y178	
I.C. M39012/35-10	P	RED	GRA	213	AF8		TH286	
O.F. M39012/35-51	—	—	—		HX4		Y178	
I.C. M39012/35-11	P	BLU	GRA	142	AF8		TH286	
O.F. M39012/35-52	—	—	—	400	HX4	HX3	Y142	X144

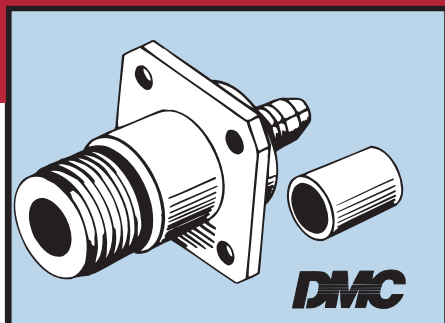


MIL-DTL-39012/36 SERIES SC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG SOCKET CONTACT	M39012/36-0501
	M39012/36-0502
	M39012/36-0503

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/36-10	S	RED	WHI	214	AF8		TH286	
O.F. M39012/36-50	—	—	—	225 393	HX4		Y178	
I.C. M39012/36-10	S	RED	WHI	213	AF8		TH286	
O.F. M39012/36-51	—	—	—		HX4		Y178	
I.C. M39012/36-11	S	BLU	WHI	142	AF8		TH286	
O.F. M39012/36-52	—	—	—	400	HX4	HX3	Y142	X144

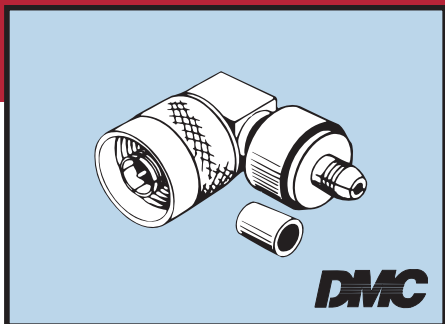
R.F. Connectors Tool Selection Guide



MIL-DTL-39012/38 SERIES SC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
RECEPTACLE FLANGE MOUNTED	M39012/38-0501
	M39012/38-0502
	M39012/38-0503

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/38-10	S	RED	WHI	214	AF8		TH286	
O.F. M39012/38-50	—	—	—	225	HX4		Y178	
				393				
I.C. M39012/38-10	S	RED	WHI	213	AF8		TH286	
O.F. M39012/38-51	—	—	—		HX4	Y178		
I.C. M39012/38-11	S	BLU	WHI	142	AF8		TH286	
O.F. M39012/38-52	—	—	—	400	HX4	HX3	Y142	X144



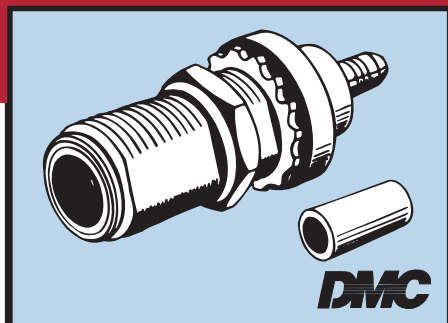
MIL-DTL-39012/39 SERIES SC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG RIGHT ANGLE	M39012/39-0501
	M39012/39-0502
	M39012/39-0503

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/39-10	S	RED	ORA	214	AF8		TH285	
O.F. M39012/39-50	—	—	—	225 393	HX4		Y178	
I.C. M39012/39-10	S	RED	ORA	213	AF8		TH285	
O.F. M39012/39-51	—	—	—		HX4		Y178	
I.C. M39012/39-11	S	BLU	ORA	142	AF8		TH285	
O.F. M39012/39-52	—	—	—	400	HX4	HX3	Y142	X144

* I.C. - Inner Contact, O.F. - Outer Ferrule

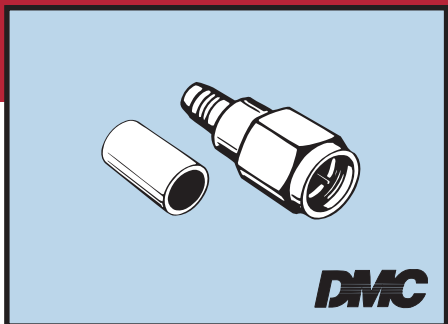
DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



MIL-DTL-39012/40 SERIES SC

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
JAM NUT MOUNT	M39012/40-0501
	M39012/40-0502
	M39012/40-0503

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/40-10	S	RED	GOL	214	AF8		TH286	
O.F. M39012/40-50	—	—	—	225 393	HX4		Y178	
I.C. M39012/40-10	S	RED	GOL	213	AF8		TH286	
O.F. M39012/40-51	—	—	—		HX4		Y178	
I.C. M39012/40-11	S	BLU	GOL	142	AF8		TH286	
O.F. M39012/40-52	—	—	—	400	HX4	HX3	Y142	X144



MIL-DTL-39012/55 SERIES SMA

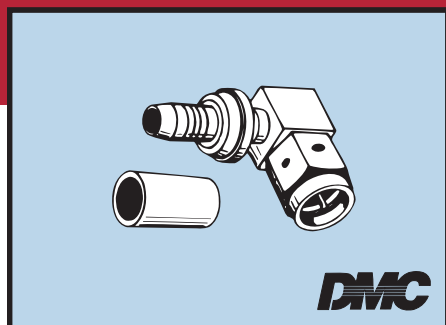
CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG PIN CONTACT	M39012/55-3502
	M39012/55-4502

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/55-10	P	RED	SIL	142	AF8		TP485	
O.F. M39012/55-50	—	—	—		HX4	HX3	Y142	X144
I.C. M39012/55-10	P	RED	SIL	400	AF8		TP485	
O.F. M39012/55-50	—	—	—		HX4	HX3	Y142	X144

* I.C. - Inner Contact, O.F. - Outer Ferrule

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R.F. Connectors Tool Selection Guide

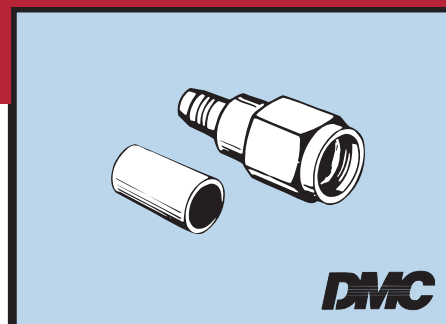


MIL-DTL-39012/56 SERIES SMA

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG RIGHT ANGLE	M39012/56-3502
	M39012/56-4502

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/56-10 O.F. M39012/56-50	P —	RED —	MAR —	142	AF8		TP485	
					HX4	HX3	Y142	X144
I.C. M39012/56-10 O.F. M39012/56-50	P —	RED —	MAR —	400	AF8		TP485	
					HX4	HX3	Y142	X144

* I.C. - Inner Contact, O.F. - Outer Ferrule

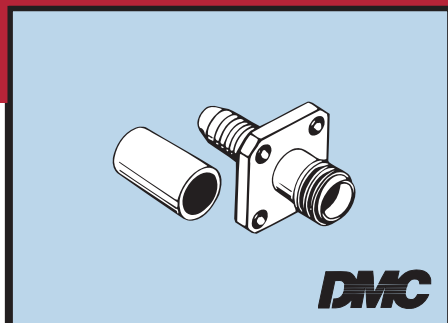


MIL-DTL-39012/57 SERIES SMA

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
PLUG SOCKET CONTACT	M39012/57-3502
	M39012/57-4502

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/57-10 O.F. M39012/57-50	S —	RED —	MAR —	142	AF8		TP485	
					HX4	HX3	Y142	X144
I.C. M39012/57-50 O.F. M39012/57-50	S —	RED —	MAR —	400	AF8		TP485	
					HX4	HX3	Y142	X144

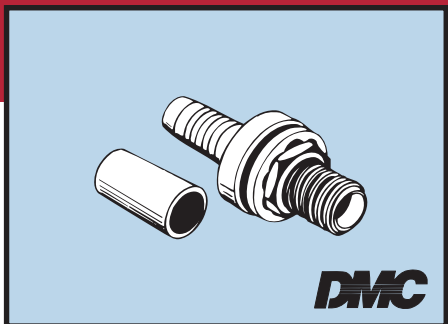
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MIL-DTL-39012/58 SERIES SMA

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
RECEPTACLE FLANGE MOUNTED	M39012/58-3502
	M39012/58-4502

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/58-10 O.F. M39012/58-50	S —	RED —	MAR —	142	AF8		TP485	
					HX4	HX3	Y142	X144
I.C. M39012/58-10 O.F. M39012/58-50	S —	RED —	MAR —	400	AF8		TP485	
					HX4	HX3	Y142	X144



MIL-DTL-39012/59 SERIES SMA

CONNECTOR TYPE	CONNECTOR MILITARY PART NO.
JAM NUT MOUNTED	M39012/59-3502
	M39012/59-4502

CONTACT GUIDE				APPLICABLE CABLE RG-/U	CRIMP TOOL		POSITIONER OR DIE	
CONTACT MILITARY PART NO.*	PIN OR SKT	COLORBAND						
		□	○					
I.C. M39012/59-10 O.F. M39012/59-50	S —	RED —	MAR —	142	AF8		TP485	
					HX4	HX3	Y142	X144
I.C. M39012/59-10 O.F. M39012/59-50	S —	RED —	MAR —	400	AF8		TP485	
					HX4	HX3	Y142	X144

* I.C. - Inner Contact, O.F. - Outer Ferrule

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.

M39029 Coaxial/Shielded Contact (Connector Series) Tool Selection Guide

CONTACT		INNER		OUTER		ASSEMBLY TOOLS	
BIN CODE	CAVITY SIZE	CRIMPING TOOL	POSITIONER	CRIMPING TOOL	POSITIONER OR DIE	INSTALLING TOOL	REMOVAL TOOL
M39029/6 PIN CONTACT (SAE AS81511 Series 1 & 2)							
120	16	AFM8	K262-1	HX4	Y200	DAK126-16A	DRK125-16A
121	12	AFM8	K261-1	HX4	Y152	DAK126-16A	DRK125-12A
				HX3	X123		
122	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK125-12A
				HX3	X123		
123	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK125-12A
				HX3	X123		
124	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK125-12A
				HX3	X123		
125	12	AFM8	K262-1	HX4	Y152	DAK126-12A	DRK125-12A
				HX3	X123		
M39029/7 PIN CONTACT (MIL-DTL-26482 Series 2 & MIL-DTL-81703 Series 3)							
126	12	AFM8	K269-1	HX4	Y203	DAK83-12B	DRK83-12B
127	12	AFM8	K269-1	HX4	Y203	DAK83-12B	DRK83-12B
128	12	AFM8	K269-1	HX4	Y203	DAK83-12B	DRK83-12B
M39029/8 SOCKET CONTACT (MIL-DTL-26482 Series 2 & MIL-DTL-81703 Series 3)							
129	12	AFM8	K269-1	HX4	Y203	DAK83-12B	DRK83-12B
130	12	AFM8	K269-1	HX4	Y203	DAK83-12B	DRK83-12B
131	12	AFM8	K269-1	HX4	Y203	DAK83-12B	DRK83-12B
M39029/13 SOCKET CONTACT (SAE AS81511 Series 1)							
152	16	AFM8	K262-1	HX4	Y200	DAK126-16A	DRK129-16A
153	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		
154	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		
155	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		
156	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		
157	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		
M39029/14 SOCKET CONTACT (SAE AS81511 Series 2)							
158	16	AFM8	K262-1	HX4	Y200	DAK126-16A	DRK129-16A
159	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		
160	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		
161	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		

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M39029 Coaxial/Shielded Contact (Connector Series) Tool Selection Guide

CONTACT		INNER		OUTER		ASSEMBLY TOOLS	
BIN CODE	CAVITY SIZE	CRIMPING TOOL	POSITIONER	CRIMPING TOOL	POSITIONER OR DIE	INSTALLING TOOL	REMOVAL TOOL
163	12	AFM8	K261-1	HX4	Y152	DAK126-12A	DRK129-12A
				HX3	X123		
M39029/19 PIN CONTACT (SAE AS81511 Series 3 & 4)							
181	16	AFM8	K373-1	MH801	D16P-1M	M81969/16-02	M81969/16-02
		AFM8	K373-1	MH801	D16P-1M		
182	12	AFM8	K372-1	MH803	D12P-1M	M81969/16-03	M81969/16-03
		AFM8	K372-1	MH803	D12P-1M		
183	12	AFM8	K373-1	MH803	D12P-1M	M81969/16-03	M81969/16-03
		AFM8	K373-1	MH803	D12P-1M		
		AFM8	K372-1	MH803	D12P-1M		
		AFM8	K372-1	MH803	D12P-1M		
M39029/20 SOCKET CONTACT (SAE AS81511 Series 3)							
184	16	AFM8	K373-1	MH801	D16LS-1M	M81969/16-02	M81969/16-02
		AFM8	K373-1	MH801	D16LS-1M		
185	12	AFM8	K372-1	MH803	D12LS-1M	M81969/16-03	M81969/16-03
		AFM8	K372-1	MH803	D12LS-1M		
186	12	AFM8	K372-1	MH803	D12LS-1M	M81969/16-03	M81969/16-03
		AFM8	K372-1	MH803	D12LS-1M		
		AFM8	K372-1	MH803	D12LS-1M		
		AFM8	K372-1	MH803	D12LS-1M		
M39029/21 SOCKET CONTACT (SAE AS81511 Series 4)							
187	16	AFM8	K373-1	MH801	D16S-1M	M81969/16-02	M81969/16-02
		AFM8	K373-1	MH801	D16S-1M		
188	12	AFM8	K372-1	MH803	D12S-1M	M81969/16-03	M81969/16-03
		AFM8	K372-1	MH803	D12S-1M		
189	12	AFM8	K372-1	MH801	D16S-1M	M81969/16-03	M81969/16-03
		AFM8	K372-1	MH801	D16S-1M		
		AFM8	K372-1	MH803	D12S-1M		
		AFM8	K372-1	MH803	D12S-1M		
M39029/25-PIN CONTACT (MIL-DTL-26482 Series 1)							
204	12	AFM8	K496	HX4	Y189	DAK12B	DRK12B
205	12	AFM8	K496	None	None		
206	12	AFM8	K496	HX4	Y189		
M39029/26 SOCKET CONTACT (MIL-DTL-26482 Series 1)							
207	12	AFM8	K323	HX4	Y189	DAK12B	DRK12B
208	12	AFM8	K323	None	None		
209	12	AFM8	K323	HX4	Y189		

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Coaxial/Shielded Contact Tool Selection Guide

CONTACT		INNER		OUTER		ASSEMBLY TOOLS	
BIN CODE	CAVITY SIZE	CRIMPING TOOL	POSITIONER	CRIMPING TOOL	POSITIONER OR DIE	INSTALLING TOOL	REMOVAL TOOL
M39029/27 SOCKET CONTACT (MIL-DTL-38999 Series 2)							
210	12	AFM8	K323	GS200-1	G2P330	DAK95-12B	DRK95-12B
M39029/27 SOCKET CONTACT (MIL-DTL-38999 Series 2)							
402	12	AFM8	K323	GS200-1	G2P330	DAK95-12B	DRK95-12B
403	12						
404	12						
405	12						
406	12						
407	12						
408	12						
M39029/28 PIN CONTACT (MIL-DTL-38999 Series 2)							
211	12	AFM8	K323	GS200-1	G2P3300	DAK95-12B	DRK95-12B
M39029/28 PIN CONTACT (MIL-DTL-38999 Series 1, 2, 3 & 4)							
409	12	AFM8	K323	GS200-1	G2P330	DAK95-12B	DRK95-12B
410	12						
411	12						
412	12						
413	12						
414	12						
415	12						
M39029/50 SOCKET CONTACT (MIL-DTL-83733)							
340	12	AFM8	K404	HX4	Y215	DAK83-12B	DRK83-12B
				HX3	X101		
M39029/51 SOCKET CONTACT (MIL-DTL-83733)							
341	12	AFM8	K404	HX4	Y215	DAK83-12B	DRK83-12B
				HX3	X101		
M39029/54 PIN CONTACT (MIL-DTL-26500 and MIL-DTL-26518)							
342	12	AFM8	K404	HX4	Y215	DAK-12B	DRK12B
				HX3	X101		
343	8	AFM8	K75S	HX4	Y189	DAK55-8B	DRK56-8B
				HX3	X125		
M39029/55 SOCKET CONTACT (MIL-DTL-26500 and MIL-DTL-26518)							
344	12	AFM8	K745	HX4	Y215	DAK12B	DRK12B
				HX3	X101		
345	12	AFM8	K75S-1	HX4	Y189	DAK12B	DRK12B
				HX3	X125		

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Coaxial/Shielded Contact Tool Selection Guide



CONTACT		INNER		OUTER		ASSEMBLY TOOLS	
BIN CODE	CAVITY SIZE	CRIMPING TOOL	POSITIONER	CRIMPING TOOL	POSITIONER OR DIE	INSTALLING TOOL	REMOVAL TOOL
M39029/59 Socket CONTACT (MIL-DTL-24308)							
366	8	AFM8	K406	HX4	Y197	DAK95-8B	DRK95-8B
				HX3	X102		
M39029/60 PIN CONTACT (MIL-DTL-38999 Series 1, 3, & 4)							
367	8	AFM8	K406	HX4	Y197	DAK95-8B	DRK95-8B
				HX3	X102		
M39029/75 SOCKET CONTACT (MIL-DTL-38999 Series 1, 3, & 4)							
416	12	AFM8	K323	GS200-1	G2P330	DAK95-12B	DRK95-12B
417							
418							
419							
420							
421							
422							
423							
M39029/76 PIN CONTACT (MIL-DTL-38999 Series 1, 2, 3 & 4)							
424	16	AFM8	K532-1	GS100-1	GP295	DAK95-16B	DRK95-16B
425							
426							
427							
M39029/77 SOCKET CONTACT (MIL-DTL- 38999 Series 1, 3, & 4)							
428	16	AFM8	K532-1	GS100-1	GP295	DAK95-16B	DRK95-16B
429							
430							
431							
M39029/78 SOCKET CONTACT (MIL-DTL-38999 Series 2 & MIL-DTL-24308)							
432	16	AFM8	K532-1	GS100-1	GP295	DAK95-16B	DRK95-16B
433							
434							
435							
M39029/79 PIN CONTACT (MIL-DTL-28748/9)							
436	16	HX3-530	N/A	HX3-530	N/A	DAK16B	DRK597
437	16	HX3-530	N/A	HX3-530	N/A	DAK16B	DRK597
M39029/80 SOCKET CONTACT (MIL-DTL-28748/10)							
438	16	HX3-530	N/A	HX3-530	N/A	DAK16B	DRK597
439	16	HX3-530	N/A	HX3-530	N/A	DAK16B	DRK597
M39029/102 PIN CONTACT (MIL-DTL-38999 Series 1, 3 & 4)							
558	12	CONSULT DMC	CONSULT DMC	HX4	Y196 (A)	DAK95-12B	DRK95-12B
M39029/103 SOCKET CONTACT (MIL-DTL-38999 Series 1, 3 & 4)							
559	12	CONSULT DMC	CONSULT DMC	HX4	Y196 (A)	DAK95-12B	DRK95-12B

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GMT Series Precision Crimp Tools

DMC provides custom and standard crimp tools manufactured to OEM connector supplier or user requirements. Often these tools are specified as comparable in function to the OEM connector supplier tool. Numerous applications such as open barrel (stamped and formed) contacts, insulated and non-insulated terminals, splices, end caps, coaxial connectors, and wire fittings of all types are covered by these tools. The rugged construction of this tool assures repeatability and long life cycle. You can rely on DMC experience for quality and cost effective performance.

GMT General Purpose Tools: Many standard OEM applications are covered by the GMT general purpose tool series. The jaws are fixed, and the locator (where used) is configured to hold the contacts precisely in the correct location for optimum crimping.



Pneumatic & Battery tools are available to cover the GMT tool series. See page 103 for part numbers.

GMT1090 (M22520/44-01) TOOL FOR M81824/12-XX COLD APPLIED SPLICES

The **GMT1090 (M22520/44-01)** Hand Crimp Tool crimps Tyco's Cold Applied Environmental Splices (M81824/12-xx) sizes 26-20, 20-16, 16-12 AWG. This precise tool has a locator which is configured to hold the splice in the correct location while either wire is being terminated. No heat, or heat gun, required.



GMT232 (M22520/37-01) TOOL FOR M81824/1, /6, /7, /8, /9, /10, /11, /13, & /14 ENVIRONMENTAL SPLICES

The **GMT232 (M22520/37-01)** Hand Crimp Tool crimps low profile environmental splices (M81824/1). The GMT232 is the most popular tool to cover the range of 12 (yellow), 16 (blue), and 20 (red) splices for low profile environmental splice applications. The GMT232 has a locator which is configured to hold the splice in the correct location while either wire is being terminated. This tool is comparable to the popular Tyco AD1377. Pneumatic Equiv. **PMT232**



GMT277 (M22520/38-01) Tool for M20659 UNINSULATED TERMINALS

The **GMT277 Tool** is Qualified to AS22520/38 as a replacement for the superseded M22520/24 plier crimp tool. All crimp cavities are the same, but the GMT277 has a cycle control ratchet, and additional leverage for more consistent crimp termination.



GMT1005 TOOL FOR UNINSULATED TERMINALS

The **GMT1005** Hand Crimp Tool terminates uninsulated terminals sizes 10 to 22 AWG. This tool is comparable to Tyco Electronics' 49935 hand tool. Pneumatic Equiv. **PMT1005**.



GMT TOOL SERIES PART NUMBERS			
HAND TOOL P/N	BATTERY TOOL P/N (SEE NEXT PAGE)	PNEUMATIC TOOL P/N	APPLICATION / DESCRIPTION
GMT201	GMTE201B	PMT201	Molex .093" Dia Standard Pin & Socket Terminals, Clapscon Series
GMT202	GMTE202B	PMT202	Molex .062" Dia Standard Pin & Socket Terminals, KK, Flat Blade, Pitch Crimp
GMT203	GMTE203B	PMT203	Molex .156" KK Trifurcon Series
GMT204	GMTE204B	PMT204	Molex .093" Dia Clapscon Series
GMT206	GMTE206B	PMT206	ITT Cannon Zif Connector, Series DL
GMT208	GMTE208B	PMT208	Tyco Multimate Type III+ Series
GMT209	GMTE209B	PMT209	Elco 60-8017-0313
GMT211	GMTE211B	PMT211	Tyco PCB Terminals and Disconnects, .058" Dia
GMT220	GMTE220B	PMT220	Tyco Type XI Contacts
GMT221	GMTE221B	PMT221	Rockwell Collins Thin-Line I & II
GMT225	GMTE225B	PMT225	Tyco AMPMODU Series Type MOD IV Contacts
GMT226	GMTE226B	PMT226	Tyco Amplimate Series, Size 20DF
GMT230	GMTE230B	PMT230	Tyco AMPMODU Series Type IV, IV1/2 & V Contacts
GMT232	GMTE232B	PMT232	M22520/37-01 tool for M81824/1-X Splices Tyco (Raychem) "Mini-Seal" Environmental Splices (26-20, 20-16, 16-12)
GMT241	GMTE241B	PMT241	Tyco CPC Series, Size 20DF Contacts
GMT245	GMTE245B	PMT245	Tyco Mate-N-Lok Series 60620-() and 60619-()
GMT247	GMTE247B	PMT247	ITT Cannon D-Sub Economy Standard Size 20
GMT248	GMTE248B	PMT248	Comparable to Pyle-National TP-201389 (w/ Cutter)
GMT260	GMTE260B	PMT260	ITT Cannon DL Series ZIF Contacts, CCT-DL-3
GMT262	GMTE262B	PMT262	Tyco Amp-TAB Series 66168, 66143, 66169, 66144
GMT263	GMTE263B	PMT263	Teradyne 600-0026-000 I/O Series Contacts
GMT277	GMTE277B	PMT277	M22520/38-01 for MS20659 Uninsulated Ring terminals size 22 through 10 and MS25486 external power plug socket contact size 12 (Supersedes M22520/24-01)
GMT286	GMTE286B	PMT286	Tyco Contact 925576
GMT295	GMTE295B	PMT295	Tyco Locking Clip Contact 87165
GMT302	GMTE302B	PMT302	ITT Cannon CCT-UBC
GMT309	GMTE309B	PMT309	Amp Tyco tool 144969-2
GMT1005	GMTE1005B	PMT1005	Uninsulated Terminals (Tyco Tool 49935)
GMT1090	GMTE1090B	N/A	M81824/12-XX Tyco Cold Applied Environmental Splice (26-20, 20-16, 16-12)

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.

Battery Powered Hydraulic GMT Series Crimp Tools

DMC is pleased to present our GMT Series battery powered hydraulic tools to crimp open barrel (stamped and formed) contacts, insulated and non-insulated terminals, splices, and end caps, coaxial connectors, and wire fittings of all types are covered by these tools. Just like with the hand tools, locators are included for applications where they are needed to hold contacts in the correct location for optimum crimping.

GMTExxxB

The **GMTExxxB** Series Battery Powered Hydraulic Commercial Standard Crimp Tools are hand held, self-contained crimp tools. The crimp head, battery, and pump unit are contained in one ergonomic tool body and weigh about 4 pound each. They are equivalent to DMC's GMT Series hand tools.

TOOL INCLUDES: Carrying Case, Two 18v Batteries (p/n HDE-LI-B), One Battery Charger (p/n HDE-LI-120C).



GMTE232B FOR M81824/1-XX ENVIRONMENTAL SPLICES

GMTE232B Tool is the battery powered equivalent to our GMT232 (M22520/37-1) hand tool for low profile environmental splices (M81824/1-XX). The **GMTE232B** is the most popular GMT Series tool to cover the range of 12 (yellow), 16 (blue), and 20 (red) splices for low profile environmental splice applications. This precise tool has a locator which is configured to hold the splice in the correct location while either wire is being terminated.

*See page 105, Col. 2

FEATURES

- Ergonomic design allows one-handed operation
- Jaws remain closed under spring pressure (pinch sides to open/load) for safety and holding termination in place.
- Head rotates 350 degrees
- Red LED to display the charge status of the battery

CRIMP CAPACITIES

- Max. Crimp Force: 4 Tons (35.6 kN)
- Avg. Crimp Time: 3 seconds
- Avg. Crimps per Charge: 100
- Avg. Charge time: 15 minutes

SPECIFICATIONS

- Length: 13" (330 mm)
- Width: 2.87" (72.9 mm)
- Depth: 4.5" (114.3 mm)
- Weight (with battery): 2.8 lb (1.3 kg)
- Hydraulic Oil: Shell Tellus® T-15 (or equivalent)

TOOL PART NUMBERS

- See page 105, column 2



PMT232 Pneumatic Crimp Tool

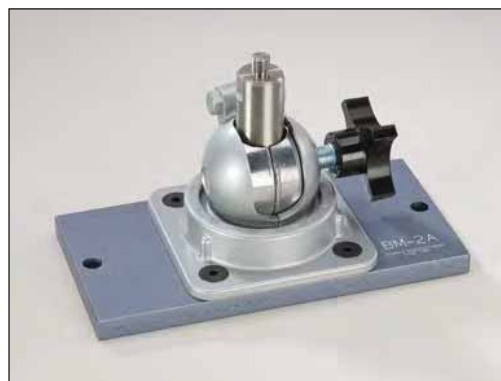
For M81824/1, /6, /7, /8, /9, /10, /11, /13, & /14 Environmental Splices



The **PMT232 Pneumatic Crimp Tool** crimps low profile environmental splices (M81824/1-xx), AWG range 12 (yellow), 16 (blue), and 20 (red).

The **PMT232** is **cycle-controlled** and has a locator which is configured to hold the splice in the correct location while either wire is being terminated. The tool is 8 inches long, 2 inches wide and weighs 2.5 pounds. Air supply requirements are 80-120 PSI (5.5 to 8.0 bar) clean dry air.

DMC provides custom and standard crimp tools manufactured to OEM or user requirements. The **PMT232** is functionally similar to Tyco Electronics's AD1377 and AD1377S.



The PMT232 can be hand held, or mounted on a bench stand (**P/N BM-2A**).

Hand and Battery Powered Versions are Available!



GMT232 Hand Tool

Qualified
to M22520/37-01



GMTE232B
Battery Tool

DCT Series Crimp Tools

DMC provides custom and standard crimp tools that are manufactured to connector OEM or user requirements. Often these tools are specified as comparable in function to the OEM connector supplier tool.



DCT4-XXX



The DCT series of crimp tools and dies accommodate most (insulated and uninsulated terminals and splices conforming to AS7928 insulated and uninsulated as well as numerous proprietary configurations.

Dies in various crimp patterns are also available for D-Subminiature, circular connectors, Red/Blue/Yellow “Heat-N-Seal” terminals, “MiniSeal” terminals, and low profile environmental splices (M81824/1-XX).

Dies are configured with single, double, triple and even quadruple crimp cavities.

Several models and types of tools comprise the DCT tool series. Some tools have removable (interchangeable) dies, and others have fixed cavities that are not removable.

If your application requirement is not already covered by one of our standard die sets, our engineering department will be pleased to discuss a design to suit your needs, consult DMC for details.

DCT4-XXX SERIES HAND CRIMP TOOLS

The sturdy construction of the DCT hand tools is superior to any tool made today. The handle will not flex or bend in any direction, therefore the maximum force and repeatability are achieved. The precision ratchet controls cycling of the tool and assures the same accurate crimp every time. The handle grips and the leverage system are designed for maximum ergonomic benefit.

The DCT tools are approximately 9¾" x 3⅛" x 1¼" and weigh 1.38 lbs.

DCT4 HAND TOOL SERIES DIES	
DIE P/N	DESCRIPTION
DCT4-101	Insulated Spare Wire Caps Comparable to AMP 58573-1
DCT4-102	R/B/Y Insulated Terminals & Splices #22-18 AWG, 16-14 AWG, 12-10 AWG
DCT4-104	R/B/Y ROSTRA HEAT-N-SEAL
DCT4-105	Uninsulated Terminals
DCT4-106	RF Connectors .178/ .128 HEXES
DCT4-107	RF Connectors .068/.178/.324 HEXES
DCT4-108	.068/.213/.255 HEXES
DCT4-109	.213/.128/.105 HEXES
DCT4-110	TROMPETER CD3-2 with .324/.255/.068/.042 HEXES
DCT4-111	COAXIAL AND FIRE BOTTLE CAP INDICATOR .128 HEX
DCT4-117	.255/.213/.178/.128 HEXES
DCT4-118	.213/.178 HEXES
DCT4-119	Insulated Terminals & Splices # 24-20 AWG, # 22-18 AWG, AND # 16-14 AWG w/ Locator
DCT4-120	RG58/U, RG59/U, RG62/U .359/.255 HEXES
DCT4-121	.039 square/ .195 HEXES
DCT4-122	Insulated Terminals & Splices # 24-20 AWG, #22-18 AWG AND #16-14 AWG
DCT4-124	.068 / .128 / .178 HEXES Comparable to Amphenol CTL-9
DCT4-128	.211/.128/.105 HEXES CANNON CCT-DM Comparable to DieY322
DCT4-129	Same configuration as M22520/37-1 for M81824/1-X Splices Tyco (Raychem) "Mini-Seal" Environmental Splices (26-20, 20-16, 16-12)
DCT4-130	SUB-D CONTACTS 20-24/24-28
DCT4-138	Coaxial Crimp Tool .264/.161 HEXES
DCT4-139	.264/.220 HEXES
DCT4-140	.433/.402 HEXES
DCT4-141	B-CRIMP COND. & INS. 16-22 AWG, 14-16 AWG, 10-12 AWG
DCT4-142	with .142/.112/.079 HEXES
DCT4-144	Coaxial Crimp Tool .359/.290 HEXES
DCT4-145	Coaxial Crimp Tool .454 HEX
DCT4-147	.429/.100/.068 HEXES
DCT4-148	.268/.178 HEXES, .057 dia.

DCT4 HAND TOOL SERIES DIES	
DIE P/N	DESCRIPTION
DCT4-149	COAXIAL CABLE ST212, ST214, BT2002, BT3002 .268/.213/.178/.150 HEXES
DCT4-151	D-SUBMINIATURE 20-30 AWG
DCT4-154	.028 / .047 SQ, .128 / .178 HEXES
DCT4-155	.028 / .047 SQ, .15 / .268 HEXES
DCT4-157	.211 / .252 / .068 HEXES
DCT4-158	.212 / .252 / .066 HEXES
DCT4-160	.041 gage for "B" crimp
DCT4-161	.041 gage for "B" crimp
DCT4-162	.042 gage for "B" crimp
DCT4-163	.290 DIA cavity
DCT4-166	.187 / .178 HEXES, .042 SQ Comparable to Amphenol CTL-15
DCT4-167	.324 / .319 / .255 HEXES, .042 SQ Comparable to Amphenol CTL-14
DCT4-169	.324 / .255 / .068 HEXES, .052 SQ Comparable to Amphenol CTL-8
DCT4-170	.290 / .128 / .105 HEXES
DCT4-173	Rosenberger 88K20K-0S-3H3
DCT4-175	AMP Multimate III & VI
DCT4-176	Comparable to DIE Y498
DCT4-178	"B" Crimp
DCT4-179	"B" Crimp
DCT4-180	Tyco AMPMODU Series Type IV, IV1/2 & V Contacts Comparable to AMP 90340
DCT4-181D	Molex 734154550 (1 of 2)
DCT4-182D	Molex 734154550 (2 of 2)
DCT4-183	.339 HEX
DCT4-185	White and Yellow Terminals
DCT4-187	.215 / .225 / .235 HEXES
DCT4-188	.110 HEX
DCT4-189	Comparable to MRP0478
DCT4-191	Comparable to BURNDY MR8-9Q
DCT4-192	Comparable to AMP 68064

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.

EMC3300 Electro Mechanical Crimp Tool

EMC3300 Battery Powered Crimp Tool

- Advanced Ergonomic Tool Design with “Safe Distance” Trigger Closing Control
- Pre-Clamp Function to Improve Cycle Time and Quality
- Crimp Cycle Time is 1.3 Seconds
- 250 Crimps per Charge (typical battery life)
- Li-Ion 10.8 Volt Battery and Charger
- Built-in LED Light
- Data Retrieval Available
- Tool kit consists of a molded case, one battery and charger. Spare battery charger P/N HDE-MBC110. Spare battery P/N HDE-MBP108.
- Dies are sold separately, see Available Dies in the table below. This tool can accommodate some die sets which are supplied by connector sources. Consult DMC for details.
- Consult DMC for custom engineered die sets and special applications and die sets and configurations.

Ordering Guide

DMC P/N	Description
EMC3300	Tool Kit with 110-120 Volt Charger and one battery
EMC3300-230	Tool Kit with 220-240 Volt Charger and one battery
HDE-MBC110	110-120 Volt Charger only
HDE-MBC220	220-240 Volt Charger only
HDE-MBP108	10.8V Battery only
HDE-USB	USB Adapter Module



EMC3300

Available Dies

DMC Part #	Application Notes
EMC-101D	W, R, B, Y Insulated Spare Wire Caps
EMC-102D	R, B, Y Insulated Terminals
EMC-102DL	Same as EMC-102D plus Locator
EMC-106D	.042 sq, .128 HEX, .178 HEX
EMC-108D	.068 sq, .213 HEX, .255 HEX
EMC-117D	.128 HEX, .178 HEX, .213 HEX, .255 HEX
EMC-129D	M81824/1-X splices (comparable to M22520/37-01)
EMC-1005D	Uninsulated Terminals 10-22AWG (comparable to TE49935)
EMC-1006D	High Temp Uninsulated Terminals 10-22AWG (comparable to TE46447)



Typical die set

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.

Hydrac™ Hydraulic 3.5 Ton Crimping Tool for HD36 Dies

HD36 MANUAL HYDRAULIC TOOL

HD36 Hydraulic Crimper is a combination of a lightweight design and the precise application of 3.5 tons force to crimp power contacts too large for conventional hand tools. This tool is designed to accept the entire family of D36 dies for crimping terminals, lugs or any other special applications.

The 3.5 ton crimp force is achieved through multiple actuations of the tool handle. The automatic relief valve “clicks” audibly when the proper crimp force has been applied to prevent over-compression. The tool head also rotates 360 degrees for easy accessibility in confined working areas. The hand tool is 8.5 inches long, weighs only 3.3 lbs, and is operated with one hand.

If your application requirement is not already covered by one of our standard dies, our engineering department will be pleased to discuss a design to suit your needs, consult DMC for details.

- 3.5 tons of die force.
- Interchangeable die sets.
- Automatic relief valve to prevent over-compression
- Release lever for relaxing crimp pressure and opening dies mid-cycle
- 180° rotating head for ease in confined work areas.
- Each tool supplied in a fitted carrying case



HD36 TOOL SERIES DIES

DIE SET P/N	“A” CRIMP HEIGHT	“A” LENGTH	“B” CRIMP HEIGHT	“B” LENGTH	TYPE/APPLICATION
HD36-101	.552-DIA.	0.180			Single Cavity Circular Corresponds To HUSKIE HD-58
HD36-102	.420-RAD.	0.180			Single Cavity Circular Corresponds To HUSKIE HD-34
HD36-103	0.530	0.365			Single Cavity HEX
HD36-104	.750-GAGE	0.225			Single Cavity HEX, Corresponds To HOMAC 840
HD36-105N	0.198	0.185			Single Cavity HEX
HD36-106N	0.222	0.185			Single Cavity HEX
HD36-107N	0.280	0.155			Single Cavity HEX
HD36-109	.520-GAGE	0.340			Single Cavity HEX, Corresponds To HOMAC 5/8
HD36-110N	0.530	0.344			Corresponds To T&B 683-53701-1
HD36-111N	.135-GAGE	0.312			#8 Non-Insulated Single Indent
HD36-112N	.176-GAGE	0.312			#6 Non-Insulated Single Indent
HD36-113N	.206-GAGE	0.344			#4 Non-Insulated Single Indent
HD36-114N	.265-GAGE	0.344			#2 Non-Insulated Single Indent
HD36-115N	0.226	0.110	0.169	0.110	Double Cavity HEX Corresponds To PEN-011-2, & PEN-011-3
HD36-116N	0.284	0.110	0.114	0.110	Double Cavity HEX Corresponds To PEN-011-1, & PEN-011-4
HD36-124	0.390	0.344			Single Cavity HEX
HD36-125	0.600	0.344			Single Cavity HEX
HD36-126	0.217	0.344			Single Cavity HEX
HD36-128	0.160	0.344			Single Cavity HEX
HD36-130	.130-GAGE	0.344			Single Indent for Flag Terminals
HD36-131	0.446	0.344			1/0 Non-Insulated Terminal Lug
HD36-132	0.487	0.344			2/0 Non-Insulated Terminal Lug
HD36-135	0.110	0.100			HDE36 GAGING DIE
HD36-136	.240 GAGE	0.375			#6 INSULATED (BLUE), Corresponds To AMP 1490598-1
HD36-137	.272 GAGE	0.375			#4 Insulated (YELLOW), Corresponds To AMP 1490599-1
HD36-138	.176 GAGE	0.202	0.111	0.202	Non-Insulated Single Indent
HD36-139	.204 GAGE	0.250			#8 Insulated (RED), Corresponds To AMP 1490597-1
HD36-142	.144 SQ.	0.344			Single Cavity Circular



Battery Powered Hydraulic 4 Ton Crimp Tool for HD36 Dies

HDE36B BATTERY POWERED HYDRAULIC CRIMP TOOL FOR HD36 DIES



The **HDE36B** Battery Powered Crimp Tool offers the portability of a hand tool with the stamina of a power tool! It is a hand held, self-contained, 4 ton hydraulic crimp tool that is actuated with a single squeeze of the trigger.

This tool is designed to accept the entire family of **HD36** dies for crimping terminals, lugs or any other special applications. WIRE RANGE: #8 to #0 AWG* in many power applications, and .750 (19.05mm) in coaxial hexagonal crimping.

The **HDE36B** offers a solution where the volume of work exceeds the physical limits of a worker with hand tools, and hoses and cables are unwelcome or unsafe for the environment where the work is being performed.

The **HDE36B** battery tool is approximately 13.25" long, 2.87" wide, and 4.5" deep, weighs 2.8 lb with the battery installed.

TOOL INCLUDES: Carrying Case, Two 18v Batteries (p/n HDE-LI-B), One Battery Charger (p/n HDE-LI-120C).

DIE SELECTION: The crimper will accommodate all crimp dies listed on page 111. Other applications may be covered by this tool. Consult DMC for details.

* Wire range will vary depending on wire and terminal/contact.

FEATURES

- Ergonomic design allows one-handed operation
- Die automatically opens when crimp is complete
- Die can be retracted in mid-cycle to adjust connector
- Head rotates 350 degrees
- Red LED to display the current status of the unit

CRIMP CAPACITIES

- Max. Crimp Force: 4 Tons (35.6 kN)
- Avg. Crimp Time: 3 seconds
- Avg. Crimps per Charge: 100

SPECIFICATIONS

- Length: 13.25" (356 mm)
- Width: 2.87" (72.9 mm)
- Depth: 4.5" (114.3 mm)
- Weight (with battery) 2.8 lb (1.3 kg)
- Sound Level: 75 db(A) at 1 meter
- Vibration: <8.2 ft/s² (2.5 m/s²)
- Hydraulic Oil: Shell Tellus® T-15

Dieless Four Indent Crimpers

DMC's Dieless Four-Indent Crimpers provide a symmetrical four-sided crimp (at 90° intervals). Dies of a particular configuration are not needed. The crimp pressure against the resistance of the metal conductor assembly will cause the tool to crimp to a depth where there is metal to metal bottoming (gas tight crimp joint on aluminum and soft copper).

The range of crimping capabilities starts with 6 AWG conductors and goes to 4/0 AWG conductors on copper, and 750 MCM applications on aluminum.

Triangle indenter shape is standard. Optional indent designs are available. Consult DMC.



**XHC136 REMOTE HEAD
HYDRAULIC TOOL**



**HC136B DIELESS BATTERY
POWERED FOUR INDENT
CRIMPER**



**HC136 DIELESS MANUAL
FOUR INDENT CRIMPER**

XHC136

The **XHC136** can be hand held crimp head (pump options below) or mounted. This is intended to crimp copper and aluminum lug terminals & splices. The **XHC136** crimps sizes 6 AWG to 4/0 AWG conductors on copper, and up to 750 MCM applications on aluminum.

HC136B

The **HCE136B** is a hand held, self contained battery crimp tool intended to crimp copper and aluminum lug terminals & splices. The **HCE136B** crimps sizes 6 AWG to 4/0 AWG conductors on copper, and up to 750 MCM applications on aluminum.

HC136

The **HC136** crimps sizes 6 AWG to 4/0 AWG conductors on copper, and up to 750 MCM applications on aluminum.

PUMPS

DMC offers several pump options that offer economical, efficient, reliable methods to power the **XHC136**. The powered pumps are: a pneumatic pump (P/N **HPU11M**), an AC electric pump (P/N **HPU14M**), and a DC electric battery pump (P/N **HPU13M**). Two portable manual pumps: a hand pump (p/n **HPU12M**) and a foot pump (p/n **HPU15M**). All pumps come with a heavy duty, ten-foot long hose and couplings (equipped with screw on MS fittings and dust covers) to complete the connection between pump and crimper (P/N **12-4040**).

**HPU11M
(Pneumatic)**



**HPU14M
(Electric)**



**HPU13M
(Battery)**



**HPU12M
(Hand)**



**HPU15M
(Foot)**



Hydrac™ Hydraulic 5.5 Ton Crimping Tool for HD51 Dies



HD51 Medium Duty Hydraulic Crimper is the most popular hand operated hydraulic crimper. The HD51 is still lightweight at 4.6 pounds, but the 5.5 tons of die force and the larger die configuration extends the range of crimping capabilities to 2/0 AWG* conductors in many applications. The HD51 Hydraulic Crimper utilizes rugged construction, lightweight materials, and comfortable handle grips for the best ergonomic advantage. The number of handle closures required to complete the crimp is reduced by the larger and more efficient hydraulic pump system. Other features are the following:

- Length: 14 inches (356 mm)
- Weight 4.6 pounds (2.08kg)
- Crimp force: 5.5 tons (48.93kN)
- Automatic relief valve to prevent over-compression
- Release lever for relaxing crimp pressure and opening dies
- 180° rotating head for ease in confined work areas.
- WIRE RANGE: (#12 to #2/0 AWG in many power applications, and .700 (17.78mm) in coaxial hexagonal crimping.

*Wire range will vary depending on wire and terminal/contact.

XHD51 Remote Hydraulic Crimp Head is a preferred solution for high yield applications on production lines and maintenance rework centers. A pumping system provides the hydraulic power to the remote crimping head, and the crimp head can be mounted in a stationary position, or used as a hand-held tool. Pump options are listed below. Other specifications that apply to the XHD51 are the following:

- Length: 7.1 inches (180.3mm)
- Weight 3.85 pounds (1.74kg)
- Crimp force: 5.5 tons (48.93kN)

DMC1383 Tool Kit contains the HD51 hand tool and all the dies for crimping insulated and uninsulated terminals and splices size 8 through 2/0. This tool kit is contained in a metal case with foam inserts that have contoured tool cavities, laminated instruction sheets permanently attached on a ring binder, and contents charts identifying the location of each tool.

WIRE RANGE: #12 to #2/0 AWG in many power applications, and .700 (17.78mm) in coaxial hexagonal crimping.

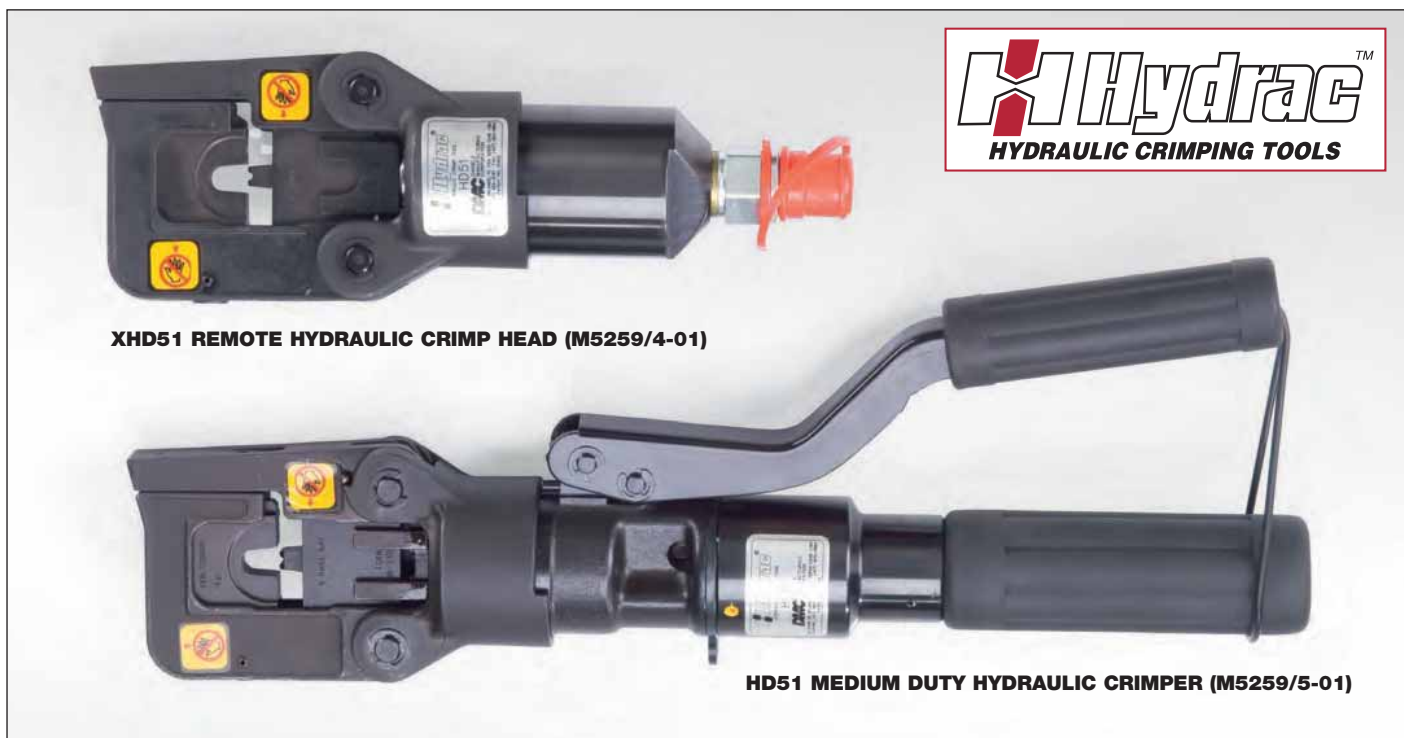


Pump options for the XHD51 crimp head:
 HPU11M: Pneumatic powered hydraulic pump
 HPU12M: Hand powered hydraulic pump
 HPU13M: DC Battery powered electric pump
 HPU14M: AC electric powered pump
 HPU15M: A foot pump

Consult DMC for complete brochure and information on all AS5259 hydraulic crimp tools and accessories.

AS5259 STANDARD PART NUMBER REFERENCE GUIDE		
Military (SAE) Part Number	DMC Part Number	Description
M5259/4-01	XHD51	Remote Crimp Head
M5259/5-01	HD51	Manual Hydraulic Crimp Tool
M5259/6-01 thru 06	Consult DMC for Details	Gages for HD51 Indent Dies
M5259/7-001 thru -019	See Next Page for Details	Crimping Die Sets

Complete AS5259 Product Brochure Available from DMC

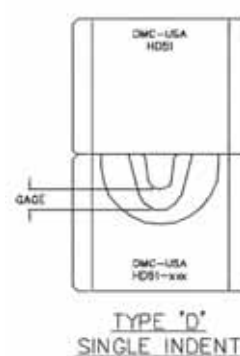
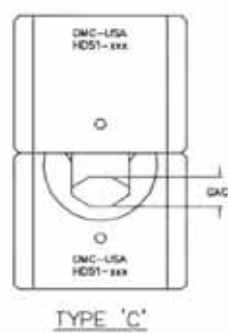
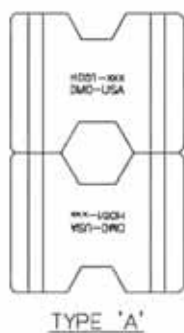


See hydraulic pumps on page 113.

Hydrac™ HD51 Dies

HD51 TOOL SERIES DIES							
MILITARY P/N	DMC P/N	"A" CAVITY	"A" LENGTH	"B" CAVITY	APPLICATION	INDENTS	GAGE
M5259/7-016	HD51-105	.170 GAGE	.250	N/A	#8 Insulated Terminals		G682
M5259/7-017	HD51-106	.202 GAGE	.312	N/A	#6 Insulated Terminals		G683
M5259/7-018	HD51-107	.254 GAGE	.375	N/A	#4 Insulated Terminals		G684
M5259/7-019	HD51-113	.312 GAGE	.470	N/A	#2 Insulated Terminals		G801
M5259/7-010	HD51-114N	.115 GAGE	.312	N/A	#8 Uninsulated Terminals	Single	G1150
M5259/7-011	HD51-115N	.126 GAGE	.312	N/A	#6 Uninsulated Terminals	Single	G1151
M5259/7-012	HD51-116N	.131 GAGE	.312	N/A	#4 Uninsulated Terminals	Single	G1152
M5259/7-013	HD51-117N	.190 GAGE	.312	N/A	#2 Uninsulated Terminals	Single	G1153
M5259/7-014	HD51-122N	.275 GAGE	.470	N/A	#1/0 Uninsulated Terminals	Single	G1154
M5259/7-015	HD51-125N	.320 GAGE	.470	N/A	#2/0 Uninsulated Terminals	Single	G1155
N/A	HD51-130-1	R .100, H .300	N/A		#2 - #8 Uninsulated Needs HD51-131-2 or HD51-132-2	Single (MALE)	
N/A	HD51-131-2	R .275	N/A	R .145	#2 & #8 Uninsulated Needs HD51-130-1	Single (FEMALE)	G1150 G1153
N/A	HD51-132-2	R .219	N/A	R .188	#4 & #6 Uninsulated Needs HD51-130-1	Single (FEMALE)	G1151 G1152
N/A	HD51-133-2	.312 GAGE	N/A	.170 GAGE	#2 & #8 Insulated Needs HD51- 113-1 for #2 & HD51-105-1 for #8	N/A	G801 (#2) G682 (#8)
N/A	HD51-134-2	.202 GAGE	N/A	.254 GAGE	#4 & #6 Insulated Needs HD51- 106-1 for #6 & HD51-107-1 for #4	N/A	G683 (#6) G684 (#4)
M5259/7-004	HD51-138	.377 HEX	.435	N/A	#2 Uninsulated .377 HEX MS90485-2 Equiv.	N/A	G833
N/A	HD51-150	.352 HEX	.470	N/A	AB Twinax Pin & Socket Contacts	N/A	N/A
N/A	HD51-152	.304 GAGE	.470	N/A	Packard Hughes .437 Ferrules	N/A	N/A
N/A	HD51-154	.339 GAGE	.437	N/A	MS25036 #1 MS23002-1 Equiv.	N/A	G726
M5259/7-001	HD51-163	.210 HEX	.310	N/A	#8 Uninsulated Terminals (HEX)	N/A	G720
M5259/7-002	HD51-164	.240 HEX	.310	N/A	#6 Uninsulated Terminals (HEX)	N/A	G721
M5259/7-003	HD51-165	.299 HEX	.372	N/A	#4 Uninsulated Terminals (HEX)	N/A	G722
M5259/7-005	HD51-166	.417 HEX	.435	N/A	#1 Uninsulated Terminals (HEX)	N/A	G834
M5259/7-006	HD51-167	.456 HEX	.435	N/A	#1/0 Uninsulated Terminals (HEX)	N/A	G835
M5259/7-007	HD51-168	.500 HEX	.470	N/A	#2/0 Uninsulated Terminals (HEX)	N/A	G836

*Check with DMC for QPL status



Additional applications and custom die sets available

Hydrac™ Hydraulic 7 & 12 Ton Crimping Tools for HD002, HD485, and HD442 Dies (AS5259)



HH80C Heavy Duty Hydraulic Crimper delivers the die force necessary to crimp large conductors, but still in a hand operated hydraulic crimper. The HH80C produces 7 tons with the two stage pump that minimizes the number of handle closures needed to complete the crimp. The utilization of the **HD002 (MS23002)**, **HD485 (MS90485)**, and **HD442 (MS25442)** dies extends the range of crimping capabilities to 2/0 AWG conductors in military/aerospace applications. (Verification available upon request. Contact/terminal samples required.) **Boeing ST 2354 Series Dies** are also available from DMC. The HH80C Hydraulic Crimper is fitted with comfortable handle grips for the best ergonomic advantage.

- 360° rotating head for ease in confined work areas.
- Advance closing to crimp position is achieved by rotating the handle.
- Automatic relief valve to prevent over-compression
- Release lever for relaxing crimp pressure and opening dies
- Crimp force: 7.0 tons (62.28kN)
- Length: 24 inches (610 mm)
- Weight 13.0 pounds (5.9kg)



HH80C HEAVY DUTY HYDRAULIC CRIMPER

TBHD1M Remote Hydraulic Crimp Head (**MS25441-1**) exerts 12 tons of crimp force and extends the range of crimping capabilities to **4/0 AWG** conductors in military/aerospace applications, and 750 MCM applications on commercial systems. The **TBHD1M** accepts the **HD002 (MS23002)**, **HD485 (MS90485)**, **HD442 (MS25442)** and **Boeing ST 2354** Die combinations. In some cases the tool can be used as a hand-held crimper, but the tool weight (9.6 lbs) and force means mounting it in a stationary position with a bench mount (BM-2A) is the preferred mode of operation. The recommended hydraulic pumps are listed on page 117 or you can consult DMC for other hydraulic pump options.

Other Specifications that apply to the TBHD1M are the following:

- Crimp force: 12.0 tons (107kN)
- Length: 10.0 inches (254 mm)
- Width: 6.0 inches (152.4 mm)
- Weight: 9.6 pounds (6.9 kg)



HD002 DIES



HD442 DIES



HD485 DIES



MS25441-1 QUALIFIED TO AS5259/1 (SHOWN WITHOUT SAFETY CAGE)

The recommended hydraulic pumps are listed on page 117, or you can consult DMC for details. Contact DMC for a complete brochure on all AS5259 crimp tools and accessories.

MS23002* DIES & GAGES FOR MS25036 INSULATED TERMINALS

MIL DIE P/N *	DMC P/N	COMMENTS	MIL GAGE P/N *	DMC GAGE P/N
MS23002-8	HD002-8	For Insulated Size 8	MS23003-8	G723
MS23002-6	HD002-6	For Insulated Size 6	MS23003-6	G724
MS23002-4	HD002-4	For Insulated Size 4	MS23003-4	G725
MS23002-2	HD002-2	For Insulated Size 2	MS23003-2	G281
MS23002-1	HD002-1	For Insulated Size 1	MS23003-1	G726
MS23002-01	HD002-01	For Insulated Size 1/0	MS23003-01	G727
MS23002-02	HD002-02	For Insulated Size 2/0	MS23003-02	G728
MS23002-03	HD002-03	For Insulated Size 3/0	MS23003-03	G282
MS23002-04	HD002-04	For Insulated Size 4/0	MS23003-04	G729

MS90485* DIES & GAGES FOR MS20659 UNINSULATED TERMINALS

MIL DIE P/N*	DMC P/N	COMMENTS	MIL GAGE P/N *	DMC GAGE P/N
MS90485-8	HD485-8	For Uninsulated Size 8	MS90486-8	G720
MS90485-6	HD485-6	For Uninsulated Size 6	MS90486-6	G721
MS90485-4	HD485-4	For Uninsulated Size 4	MS90486-4	G722
MS90485-2	HD485-2	For Uninsulated Size 2	MS90486-2	G833
MS90485-1	HD485-1	For Uninsulated Size 1	MS90486-1	G834
MS90485-01	HD485-01	For Uninsulated Size 1/0	MS90486-01	G835
MS90485-02	HD485-02	For Uninsulated Size 2/0	MS90486-02	G836
MS90485-03	HD485-03	For Uninsulated Size 3/0	MS90486-03	G837
MS90485-04	HD485-04	For Uninsulated Size 4/0	MS90486-04	G838

MS25442* DIES & GAGES FOR AS70991 UNINSULATED TERMINALS

MIL DIE P/N *	DMC P/N	COMMENTS	MIL GAGE P/N *	DMC GAGE P/N
MS25442-8A	HD442-8A	For Uninsulated Size 8	MS25472-1	G1129
MS25442-6A	HD442-6A	For Uninsulated Size 6	MS25472-2	G1130
MS25442-4A	HD442-4A	For Uninsulated Size 4	MS25472-3	G1131
MS25442-2A	HD442-2A	For Uninsulated Size 2	MS25472-4	G1132
MS25442-1A	HD442-1A	For Uninsulated Size 1	MS25472-5	G1133
MS25442-01A	HD442-01A	For Uninsulated Size 1/0	MS25472-6	G1134
MS25442-02A	HD442-02A	For Uninsulated Size 2/0	MS25472-7	G1135
MS25442-03A	HD442-03A	For Uninsulated Size 3/0	MS25472-8	G1136
MS25442-04A	HD442-04A	For Uninsulated Size 4/0	MS25472-9	G1137

DESCRIPTION	PART NO.	MIL P/N *
Manual Hydraulic Tool (7 ton force)	HH80C	N/A
Remote Crimp Head (12 ton force) (Requires Air to Hydraulic Pump)	TBHD1M *	MS25441-1 *
Hose Assembly (6 Ft. Length)	12-4040	MS25441-3*
In-Line Pressure Gauge	HPU11-PG	N/A

DMC1948 Tool Kit contains the TBHD1M Crimp Tool, HPU11M Pump 12-4040, Hose Assembly, and all the HD002 (MS23002) and HD485 (MS90485) dies for crimping insulated and uninsulated terminals and splices size 8 through 4/0. This tool kit is contained in a molded, high-density plastic case with foam inserts that have contoured tool cavities, laminated instruction sheets permanently attached on a ring binder, and contents charts identifying the location of each tool.

DMC1966 Tool Kit contains the TBHD1M Crimp Tool, HPU11M Pump 12-4040, Hose Assembly, and all the HD442 (MS25442) dies for crimping uninsulated aluminum terminals and splices size 8 through 4/0. This tool kit is contained in a molded, high-density plastic case with foam inserts that have contoured tool cavities, laminated instruction sheets permanently attached on a ring binder, and contents charts identifying the location of each tool.

HPU11-PG In-Line Hydraulic Pressure Gauge is recommended for cycle control monitoring, when using Remote Crimp Heads with HPU1M, HPU12M or HPU15M. It installs into either end of the hydraulic line to monitor the hydraulic pressure. The gauge will indicate to the operator when the required hydraulic pressure is achieved.

Hydraulic Pumps:

DMC offers several Hydraulic Pump options for use with crimp heads.

Pump options include:

HPU11M: Pneumatic powered hydraulic pump
HPU12M: Hand powered hydraulic pump
HPU13M: DC Battery powered electric pump
HPU14M: AC electric powered pump
HPU15M: A foot pump

NOTE:

HPU13M and HPU14M feature automatic cycle control and die retraction upon cycle completion.

More detailed product literature is available. Consult DMC.

***Qualified to AS5259/1 (Tool Head) and AS5259/7 (Crimp Dies) Specification for Large Gage Crimp Tools**

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.

Terminal and Splice Crimp Die Tooling Options 26 to 10 AWG

TOOLS AND DIES FOR CRIMPING TERMINALS AND SPLICES

DMC has several die configurations for crimping terminals and splices. AWG size is one determining factor, but each die configuration has a designated tool series. The hand tool is the basis of each tool series and suitable for the low volume of prototype or repair work. For higher volume production and

intermediate/depot maintenance, a tool series might include pneumatic tools, hydraulic tools, battery hydraulic tools, or electric hydraulic tools.

NOTE: If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

26 to 10 AWG Tooling Options*

HX4 TOOL SERIES OPTIONS FOR Y-DIES



HX23
Pneumatic Tool, p. 86



HX4 or UDT4
Hand Tools, p. 82, 83 & 85



HXE4B
Battery Hydraulic Tool, p. 84

HX3 TOOL SERIES OPTIONS FOR X-DIES



HX3 or UDT3
Hand Tools, p. 82, 83 & 85



PHX3
Pneumatic Tool, p. 85

GMT TOOL SERIES OPTIONS



GMTxxx
Hand Tool, p. 104



PMTxxx
Pneumatic Tool, p. 104



GMTExxxB
Battery Hydraulic Tool, p. 106

DCT/EMC TOOL SERIES OPTIONS



DCT4
Hand Tool, p. 108



EMC3300
Battery Electro-Mechanical
Tool, p. 110

* Pneumatic or Hydraulic tool options preferred for 10-12 AWG Range, and larger.

Terminal and Splice Crimp Tooling Options 8 to 4/0 AWG

TOOLS AND DIES FOR CRIMPING TERMINALS AND SPLICES (CONTINUED)

8 to 4/0 AWG Tooling Options*

HD51 TOOL SERIES OPTIONS**



HD51
Hand Tool, p. 114



HD51
Hand Tool, p. 114



HDE51B
Hydraulic Tool, p. 114

HD36 TOOL SERIES OPTIONS



HD36
Hand Tool, p. 111



HDE36B
Battery Hydraulic Tool, p. 112

TOOL OPTIONS FOR HD002, HD485, & HD442 DIES **



HH80C
Hand Tool, p. 116



TBHD1M
Pneumatic/Hydraulic Tool, p. 116

** Hydraulic pump, hose, and other accessories are described on pages 111 to 117 or consult DMC for details.

WIRE STRIPPING FOR TERMINALS AND SPLICES

Wire strip length and configuration is important to the success of a termination. Guidelines for particular components being terminated should be followed carefully.

For additional information on tooling for terminating terminals and splices, ask DMC for the AS5259 tool brochure.

STANDARDIZATION

DMC has maintained a leadership role in military and commercial standards committees such as SAE, WHMA, EIA, UL/NEMA, and DoD organizations. The following tool selection charts represent the current leading standard components and tools. If questions or conflicts arise in the use of these charts, please notify DMC (407-855-6161, DMC@DMCTools.com). See disclaimer of liability on page 18.



Similar Terminal Shown

M7928/1-1 to -10, Sizes 26 to 24

TYPE: Class 1 Insulated Terminals, Insulation Restricting

INSULATION: Nylon, UL 94V-2

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Nickel, QQ-N-290, or Tin, ASTM B-545

MAX TEMP RATING: 105° C

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS				
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HX4 SERIES MIL APPROVED*	HX3 SERIES MIL APPROVED*	MIL APPROVED* TOOL	HX4 SERIES SINGLE CAVITY	HX4 SERIES MULTI CAVITY
#26	0.15	.026-.055 (0.66-1.40)	Yellow w/ Black Stripe	M7928/1-	1	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					2	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					3	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					4	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					5	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
#24	0.24	.031-.055 (0.79-1.40)	Yellow w/ Blue Stripe	M7928/1-	6	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					7	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					8	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					9	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					10	Y501 Die	X511 Die	M22520/40-01	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#26	Yellow w/ Black Stripe	M7928/1-	1	--	--	--	--	--	53078
			2	--	--	--	--	--	53049
			3	--	--	--	--	--	53050
			4	--	--	--	--	--	53051
			5	--	--	--	--	--	53052
#24	Yellow w/ Blue Stripe	M7928/1-	6	--	--	--	--	--	53053
			7	--	--	--	--	--	53054
			8	--	--	--	--	--	53055
			9	--	--	--	--	--	53056
			10	--	--	--	--	--	53057

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p.86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85



Similar Terminal Shown

M7928/1-11 to -19, Size 22

TYPE: Class 1 Insulated Terminals, Insulation Restricting
INSULATION: Nylon, UL 94V-2
TERMINAL BODY & SLEEVE: Copper, ASTM B-152
PLATING: Copper, ASTM B-152
MAX TEMP RATING: 105° C

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options					
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		Hx4 Series MIL Approved*	Hx3 Series MIL Approved*	MIL Approved* Tool	Hx4 Series Single Cavity	Hx4 Series Multi Cavity
#22	0.38	.038-.110 (0.97-2.79)	Red w/ Green Stripe	M7928/1-	11	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					12	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					13	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					14	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					15	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					16	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					17	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					18	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					19	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#22	Red w/ Green Stripe	M7928/1-	11	--	--	--	--	--	52273
			12	--	--	--	--	--	2-36149-3
			13	--	--	--	--	--	51863-2
			14	--	--	--	--	--	1-320551-2
			15	--	--	--	--	--	2-36153-3
			16	--	--	--	--	--	2-320571-3
			17	--	--	--	--	--	2-320572-2
			18	--	--	--	--	--	2-320573-1
			19	--	--	--	--	--	2-328975-1

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p.84
 HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
 PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

M7928/1-20 to -28, Size 20

TYPE: Class 1 Insulated Terminals, Insulation Restricting

INSULATION: Nylon, UL 94V-2

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Nickel, QQ-N-290, or Tin, ASTM B-545

MAX TEMP RATING: 105° C

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options					
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number	HX4 Series MIL Approved*	HX3 Series MIL Approved*	MIL Approved* Tool	HX4 Series Single Cavity	HX4 Series Multi Cavity	
#20	0.60	.046-.110 (1.17-2.79)	Red w/ Red Stripe	M7928/1-	20	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					21	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					22	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					23	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					24	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					25	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					26	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					27	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					28	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#20	Red w/ Red Stripe	M7928/1-	20	--	--	--	--	--	52273-1
			21	--	--	--	--	--	2-36149-4
			22	--	--	--	--	--	51863-3
			23	--	--	--	--	--	1-320551-3
			24	--	--	--	--	--	2-36153-4
			25	--	--	--	--	--	2-320571-4
			26	--	--	--	--	--	2-320572-3
			27	--	--	--	--	--	2-320573-2
			28	--	--	--	--	--	2-328975-2

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p.86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

M7928/1-29 to -37, Size 18

TYPE: Class 1 Insulated Terminals, Insulation Restricting

INSULATION: Nylon, UL 94V-2

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Nickel, QQ-N-290, or Tin, ASTM B-545

MAX TEMP RATING: 105° C

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options					
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number	Hx4 Series MIL Approved*	Hx3 Series MIL Approved*	MIL Approved* Tool	Hx4 Series Single Cavity	Hx4 Series Multi Cavity	
#18	0.96	.056-.110 (1.42-2.79)	Red w/ White Stripe	M7928/1-	29	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					30	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					31	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					32	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					33	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					34	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					35	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					36	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					37	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#18	Red w/ White Stripe	M7928/1-	29	--	--	--	--	--	52273-2
			30	--	--	--	--	--	2-36149-5
			31	--	--	--	--	--	51863-4
			32	--	--	--	--	--	1-320551-4
			33	--	--	--	--	--	2-36153-5
			34	--	--	--	--	--	2-320571-5
			35	--	--	--	--	--	2-320572-4
			36	--	--	--	--	--	2-320573-3
			37	--	--	--	--	--	2-328975-3

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

M7928/1-38 to -46, Size 16

TYPE: Class 1 Insulated Terminals, Insulation Restricting

INSULATION: Nylon, UL 94V-2

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Nickel, QQ-N-290, or Tin, ASTM B-545

MAX TEMP RATING: 105° C

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options					
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number	Hx4 Series Mil Approved*	Hx3 Series Mil Approved*	Mil Approved* Tool	Hx4 Series Single Cavity	Hx4 Series Multi Cavity	
#16	1.42	.063-.130 (1.60-3.30)	Blue w/ Blue Stripe	M7928/1-	38	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					39	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					40	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					41	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					42	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					43	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					44	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					45	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					46	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#16	Blue w/ Blue Stripe	M7928/1-	38	--	--	--	--	--	52274
			39	--	--	--	--	--	2-320561-3
			40	--	--	--	--	--	51864-6
			41	--	--	--	--	--	1-51864-0
			42	--	--	--	--	--	51864-7
			43	--	--	--	--	--	2-320563-3
			44	--	--	--	--	--	2-320575-2
			45	--	--	--	--	--	2-320564-1
			46	--	--	--	--	--	2-328976-1

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

M7928/1-47 to -55, Size 14

TYPE: Class 1 Insulated Terminals, Insulation Restricting

INSULATION: Nylon, UL 94V-2

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Nickel, QQ-N-290, or Tin, ASTM B-545

MAX TEMP RATING: 105° C

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options					
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		Hx4 Series MIL Approved*	Hx3 Series MIL Approved*	MIL Approved* Tool	Hx4 Series Single Cavity	Hx4 Series Multi Cavity
#14	2.15	.078-.130 (1.98-3.30)	Blue w/ Green Stripe	M7928/1-	47	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					48	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					49	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					50	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					51	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					52	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					53	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					54	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					55	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC	
#14	Blue w/ Green Stripe	M7928/1-	47	--	--	--	--	--	52274-1
			48	--	--	--	--	--	2-320561-4
			49	--	--	--	--	--	51864-8
			50	--	--	--	--	--	1-51864-1
			51	--	--	--	--	--	51864-9
			52	--	--	--	--	--	2-320563-4
			53	--	--	--	--	--	2-320575-3
			54	--	--	--	--	--	2-320564-2
			55	--	--	--	--	--	2-328976-2

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

M7928/1-56 to -62, Size 12

TYPE: Class 1 Insulated Terminals, Insulation Restricting

INSULATION: Nylon, UL 94V-2

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Nickel, QQ-N-290, or Tin, ASTM B-545

MAX TEMP RATING: 105° C

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options			
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number	Hx4 Series MIL Approved*	Hx3 Series MIL Approved*	Hx4 Series Single Cavity	
#12	3.37	.095-.200 (2.41-5.08)	Yellow w/ Yellow Stripe	M7928/1 -	56	Y501 Die	X515 Die	Y670 Die
					57	Y501 Die	X515 Die	Y670 Die
					58	Y501 Die	X515 Die	Y670 Die
					59	Y501 Die	X515 Die	Y670 Die
					60	Y501 Die	X515 Die	Y670 Die
					61	Y501 Die	X515 Die	Y670 Die
					62	Y501 Die	X515 Die	Y670 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#12	Yellow w/ Yellow Stripe	M7928/1-	56	--	--	--	--	--	2-36161-5
			57	--	--	--	--	--	2-320568-2
			58	--	--	--	--	--	2-36161-3
			59	--	--	--	--	--	2-320569-5
			60	--	--	--	--	--	2-320576-2
			61	--	--	--	--	--	2-320577-1
			62	--	--	--	--	--	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85



Similar Terminal Shown

M7928/1-63 to -69, Size 10

TYPE: Class 1 Insulated Terminals, Insulation Restricting
INSULATION: Nylon, UL 94V-2
TERMINAL BODY & SLEEVE: Copper, ASTM B-152
PLATING: Nickel, QQ-N-290, or Tin, ASTM B-545
MAX TEMP RATING: 105° C

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options			
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		HX4 Series MIL Approved*	HX3 Series MIL Approved*	HX4 Series Single Cavity
#10	6.11	.119-.200 (3.02-5.08)	Yellow w/ Brown Stripe)	M7928/1-	63	Y501 Die	X515 Die	Y670 Die
					64	Y501 Die	X515 Die	Y670 Die
					65	Y501 Die	X515 Die	Y670 Die
					66	Y501 Die	X515 Die	Y670 Die
					67	Y501 Die	X515 Die	Y670 Die
					68	Y501 Die	X515 Die	Y670 Die
					69	Y501 Die	X515 Die	Y670 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#10	Yellow w/ Brown Stripe)	M7928/1-	63	--	--	--	--	2-36161-6
			64	--	--	--	--	2-320568-3
			65	--	--	--	--	2-36161-4
			66	--	--	--	--	2-320569-6
			67	--	--	--	--	2-320576-3
			68	--	--	--	--	2-320577-2
			69	--	--	--	--	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p.84
 HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
 PHX3 Pneumatic Tool, p. 85



Similar Terminal Shown

M7928/4-101 to -110, Sizes 22 to 14

TYPE: Class 1 Insulated Terminals, Radiation Resistant

INSULATION: Polyvinylidene Flouride (PVF2)

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 150° C

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS				
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HX4 SERIES MIL APPROVED*	HX3 SERIES MIL APPROVED*	MIL APPROVED* TOOL	HX4 SERIES SINGLE CAVITY	HX4 SERIES MULTI CAVITY
#22-18	0.26-0.96	.140 (3.56)	Red	M7928/4-	101	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					102	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					103	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					104	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					105	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
#16-14	1.04 - 2.62	.170 (4.32)	Blue	M7928/4-	106	Y501 Die	X511 Die	M22520/40-01	Y671 Die
					107	Y501 Die	X511 Die	M22520/40-01	Y671 Die
					108	Y501 Die	X511 Die	M22520/40-01	Y671 Die
					109	Y501 Die	X511 Die	M22520/40-01	Y671 Die
					110	Y501 Die	X511 Die	M22520/40-01	Y671 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#22-18	Red	M7928/4-	101	--	--	--	--	--	53406-1
			102	--	--	--	--	--	53407-1
			103	--	--	--	--	--	53409-1
			104	--	--	--	--	--	53411-1
			105	--	--	--	--	--	53412-1
#16-14	Blue	M7928/4-	106	--	--	--	--	--	53415-1
			107	--	--	--	--	--	53416-1
			108	--	--	--	--	--	53418-1
			109	--	--	--	--	--	53420-1
			110	--	--	--	--	--	53421-1

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

M7928/4-111 to -114, Sizes 12 to 10

TYPE: Class 1 Insulated Terminals, Radiation Resistant

INSULATION: Polyvinylidene Fluoride (PVF2)

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 150° C

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HX4 SERIES MIL APPROVED*	MIL APPROVED* TOOL	HX4 SERIES SINGLE CAVITY	
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	M7928/4-	111	Y501 Die	X515 Die	Y670 Die
					112	Y501 Die	X515 Die	Y670 Die
					113	Y501 Die	X515 Die	Y670 Die
					114	Y501 Die	X515 Die	Y670 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC
#12-10	Yellow	M7928/4-	111	--	--	--	--	53423-1
			112	--	--	--	--	53425-1
			113	--	--	--	--	53427-1
			114	--	--	--	--	53428-1

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85



Similar Terminal Shown

M7928/4-143 to -151, Sizes 26 to 18

TYPE: Class 1 Insulated Terminals, Radiation Resistant

INSULATION: Polyvinylidene Flouride (PVF2)

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 150° C

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS				
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HX4 SERIES MIL APPROVED*	HX3 SERIES MIL APPROVED*	MIL APPROVED* TOOL	HX4 SERIES SINGLE CAVITY	HX4 SERIES MULTI CAVITY
#26-24	0.10 - 0.26	.082 (2.09)	Yellow	M7928/4-	143	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					144	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					145	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					146	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					147	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
#22-18	0.26- 0.96	.125 (3.18)	Red	M7928/4-	148	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					149	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					150	Y501 Die	X511 Die	M22520/40-01	Y1060 Die
					151	Y501 Die	X511 Die	M22520/40-01	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

Terminal Specs				Terminal Manufacturers' Terminal #					
AWG	Sleeve Color	Terminal/Splice Part Number		Burndy	Hollingsworth	Molex	Panduit	Thomas & Betts	Tyco Elec
#26-24	Yellow	M7928/4-	143	--	--	--	--	--	53400-1
			144	--	--	--	--	--	53401-1
			145	--	--	--	--	--	53402-1
			146	--	--	--	--	--	53403-1
			147	--	--	--	--	--	53404-1
#22-18	Red	M7928/4-	148	--	--	--	--	--	53405-1
			149	--	--	--	--	--	53408-1
			150	--	--	--	--	--	53410-1
			151	--	--	--	--	--	53413-1

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does NOT provide connectors, contacts, or wiring components. Parts are shown here for reference only. See limited disclaimer on page 18.



Similar Terminal Shown

M7928/4-152 TO -159, SIZES 16 TO 10

TYPE: Class 1 Insulated Terminals, Radiation Resistant
INSULATION: Polyvinylidene Fluoride (PVF2)
TERMINAL BODY & SLEEVE: Copper, ASTM B-152
PLATING: Tin, ASTM B-545
MAX TEMP RATING: 150° C

Tool Selection Guide*

Terminal Specs						DMC Tool/Die Options				
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		Hx4 Series Mil Approved*	Hx3 Series Mil Approved*	Mil Approved* Tool	Hx4 Series Single Cavity	Hx4 Series Multi Cavity
#16-14	1.04 - 2.62	.150 (3.81)	Blue	M7928/4-	152	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					153	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					154	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					155	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	M7928/4-	156	Y501 Die	X515 Die	--	Y670 Die	--
					157	Y501 Die	X515 Die	--	Y670 Die	--
					158	Y501 Die	X515 Die	--	Y670 Die	--
					159	Y501 Die	X515 Die	--	Y670 Die	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC
#16-14	Blue	M7928/4-	152	--	--	--	--	--	53414-1
			153	--	--	--	--	--	53417-1
			154	--	--	--	--	--	53419-1
			155	--	--	--	--	--	53422-1
#12-10	Yellow	M7928/4-	156	--	--	--	--	--	53424-1
			157	--	--	--	--	--	53426-1
			158	--	--	--	--	--	--
			159	--	--	--	--	--	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
 PHX3 Pneumatic Tool, p. 85

DMC does NOT provide connectors, contacts, or wiring components. Parts are shown here for reference only. See limited disclaimer on page 18.



Similar Splice Shown

M7928/5-1 TO -5, SIZES 26 TO 10

TYPE: Class 1 Insulated Splices
INSULATION: Nylon, UL 94V-2
TERMINAL BODY & SLEEVE: Copper, ASTM B-152
PLATING: Nickel, QQ-N-290, or Tin, ASTM B-545
MAX TEMP RATING: 105° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS	
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HX4 SERIES MIL APPROVED*	MIL APPROVED* TOOL
#26-24	0.12-0.24	.082 (2.08)	Yellow	M7928/5-	1	Y527 Die	M22520/40-01
#24 -20	0.16-0.65	.100 (2.54)	Natural	M7928/5-	2	Y527 Die	M22520/40-01
#22-18	0.26-0.96	.125 (3.18)	Red	M7928/5-	3	Y501 Die	M22520/40-01
#16-14	1.04-2.62	.150 (3.81)	Blue	M7928/5-	4	Y501 Die	M22520/40-01
#12-10	2.62-6.64	.220 (5.59)	Yellow	M7928/5-	5	Y501 Die	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)
#26-24	Yellow	M7928/5-	1	--	--	--	--	--	323994
#24 -20	Natural	M7928/5-	2	--	--	--	--	--	323975
#22-18	Red	M7928/5-	3	--	B18 70BN	--	WA-840	--	320559
#16-14	Blue	M7928/5-	4	--	B18 71BN	--	WB-841	--	320562
#12-10	Yellow	M7928/5-	5	--	B18 72BN	--	WC-842	--	320570

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86



Similar Terminal Shown

M7928/7-1 TO -11, SIZES 22 TO 14

TYPE: Class 1 Uninsulated Terminals, Ring Tongue

INSULATION: N/A

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 175° C

Tool Selection Guide*

Terminal Specs						DMC Tool/Die Options				
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		HX4 Series Multi Cavity (1 Indent)	HX4 Series Multi Cavity (2 Indents)	GMT Series Tool (1 Indent)	GMT Series Tool (2 Indents)	DCT4 Series
#22-18	0.26-0.96	N/A	N/A	M7928/7-	1	Y554 Die	Y788 Die	GMT277	GMT1005	--
					2	Y554 Die	Y788 Die	GMT277	GMT1005	--
					3	Y554 Die	Y788 Die	GMT277	GMT1005	--
					4	Y554 Die	Y788 Die	GMT277	GMT1005	--
					5	Y554 Die	Y788 Die	GMT277	GMT1005	--
					6	Y554 Die	Y788 Die	GMT277	GMT1005	--
#16-14	1.04 - 2.62	N/A	N/A	M7928/7-	7	Y554 Die	Y788 Die	GMT277	GMT1005	--
					8	Y554 Die	Y788 Die	GMT277	GMT1005	--
					9	Y554 Die	Y788 Die	GMT277	GMT1005	--
					10	Y554 Die	Y788 Die	GMT277	GMT1005	--
					11	Y554 Die	Y788 Die	GMT277	GMT1005	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC
#22-18	N/A	M7928/7-	1	--	R4103B	--	--	--
			2	--	R4104B	--	--	--
			3	--	R4262B	--	--	--
			4	--	R4264B	--	--	--
			5	--	R4114B	--	--	--
			6	--	R4115B	--	--	--
#16-14	N/A	M7928/7-	7	--	R4121B	--	--	--
			8	--	R4123B	--	--	320093
			9	--	R4125B	--	--	--
			10	--	R4126B	--	--	--
			11	--	R4119B	--	--	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMTxxx Pneumatic Tool, p. 107
 GMTxxx Hand Tool, p. 104-105
 GMTExxxB Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86

DCT TOOL SERIES OPTIONS

DCT4 Hand Tool, p. 108-109
 EMC3300 Battery Tool, p. 110

DMC does NOT provide connectors, contacts, or wiring components. Parts are shown here for reference only. See limited disclaimer on page 18.



Similar Splice Shown

M7928/6-1 TO -5, SIZES 26 TO 10

TYPE: Class 1 Insulated Splices, Radiation Resistant
INSULATION: Polyvinylidene Flouride (PVF2) [Natural Color]
SPLICE BODY & SLEEVE: Copper, ASTM B-152
PLATING: Tin, ASTM B-545
MAX TEMP RATING: 105° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS	
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HX4 SERIES MIL APPROVED*	MIL APPROVED* TOOL
#26-24	0.12-0.24	.082 (2.08)	Yellow Stripe	M7928/6-	1	Y527 Die	M22520/40-01
#24 -20	0.16-0.65	.100 (2.54)	White Stripe	M7928/6-	2	Y527 Die	M22520/40-01
#22-18	0.26-0.96	.125 (3.18)	Red Stripe	M7928/6-	3	Y501 Die	M22520/40-01
#16-14	1.04-2.62	.150 (3.81)	Blue Stripe	M7928/6-	4	Y501 Die	M22520/40-01
#12-10	2.62-6.64	.220 (5.59)	Yellow Stripe	M7928/6-	5	Y501 Die	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)
#26-24	Yellow Stripe	M7928/6-	1	--	--	--	--	--	53546-1
#24 -20	White Stripe	M7928/6-	2	--	--	--	--	--	53547-1
#22-18	Red Stripe	M7928/6-	3	--	--	--	--	--	53548-1
#16-14	Blue Stripe	M7928/6-	4	--	--	--	--	--	53549-1
#12-10	Yellow Stripe	M7928/6-	5	--	--	--	--	--	53550-1

NOTE: Component manufactures' instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86



Similar Splice Shown

M81824/1-01 TO -03, SIZES 26 TO 12

TYPE: Class 1 Insulated Splices

INSULATION: Nylon, UL 94V-2

SPLICE BODY & SLEEVE: Copper, ASTM B-152

PLATING: Nickel, QQ-N-290 or Tin, ASTM B-545

SEALING MATERIAL: Modified Thermoplastic

MAX TEMP RATING: 105° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	MULTIPLE CONDUCTORS CMA RANGE	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		GMT SERIES MIL* APPROVED	HX4 SERIES MIL* APPROVED	HX3 SERIES MIL APPROVED	HX4 SERIES DIE
#26-20	0.15-0.61	304 - 1510	Red	M81824/1-	01	GMT232	Y540 Die	X528 Die	Y516 Die
#20-16	0.39-1.34	779 - 2680	Blue	M81824/1-	02	GMT232	Y540 Die	X528 Die	Y516 Die
#16-12	0.95-3.37	1900 - 6755	Yellow	M81824/1-	03	GMT232	Y539 Die	X527 Die	Y516 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)	SUMITOMO
#26-20	0.15-0.61	M81824/1-	01	--	--	--	--	--	D-436-36	H-CR-436-36
#20-16	0.39-1.34	M81824/1-	02	--	--	--	--	--	D-436-37	H-CR-436-37
#16-12	0.95-3.37	M81824/1-	03	--	--	--	--	--	D-436-38	H-CR-436-38

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMT232 Pneumatic Tool, p. 107
 GMT232 Hand Tool, p. 104-105
 GMTE232B Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
 PHX3 Pneumatic Tool, p. 85



Similar Splice Shown

M81824/6-01 to -03, Sizes 26 to 12

TYPE: Class 1 Insulated Splices

INSULATION: Heat Shrinkable Polyvinylidene Flouride

SPLICE BODY & SLEEVE: Copper, ASTM B-280 or B75-68 or B152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: Modified Thermoplastic

MAX TEMP RATING: 150° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	MULTIPLE CONDUCTORS CMA RANGE	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		GMT SERIES MIL* APPROVED	HX4 SERIES MIL* APPROVED	HX3 SERIES MIL APPROVED	HX4 SERIES DIE
#26-20	0.15-0.61	304 - 1510	Red	M81824/6-	01	GMT232	Y540 Die	X528 Die	Y516 Die
#20-16	0.39-1.34	779 - 2680	Blue	M81824/6-	02	GMT232	Y540 Die	X528 Die	Y516 Die
#16-12	0.95-3.37	1900 - 6755	Yellow	M81824/6-	03	GMT232	Y539 Die	X527 Die	Y516 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)	SUMITOMO
#26-20	Red	M81824/6-	01	--	--	--	--	--	D-436-82	--
#20-16	Blue	M81824/6-	02	--	--	--	--	--	D-436-83	--
#16-12	Yellow	M81824/6-	03	--	--	--	--	--	D-436-84	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMT232 Pneumatic Tool, p. 107
GMT232 Hand Tool, p. 104-105
GMTE232B Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
HXE4B Battery Tools, p. 84
HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
PHX3 Pneumatic Tool, p. 85



Similar Splice Shown

M81824/8-01 TO -03, SIZES 26 TO 12

TYPE: Class 1 Insulated Splices

INSULATION: Heat Shrinkable Polyvinylidene Flouride

SPLICE BODY & SLEEVE: Copper, ASTM B-280 or B75-68 or B152

PLATING: Nickel, SAE AMS-QQ-N290

SEALING MATERIAL: Modified Thermoplastic

MAX TEMP RATING: 175° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	MULTIPLE CONDUCTORS CMA RANGE	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		GMT SERIES MIL* APPROVED	HX4 SERIES MIL* APPROVED	HX3 SERIES MIL APPROVED	HX4 SERIES DIE
#26-20	0.15-0.61	304 - 1510	Red	M81824/8-	01	GMT232	Y540 Die	X528 Die	Y516 Die
#20-16	0.39-1.34	779 - 2680	Blue	M81824/8-	02	GMT232	Y540 Die	X528 Die	Y516 Die
#16-12	0.95-3.37	1900 - 6755	Yellow	M81824/8-	03	GMT232	Y539 Die	X527 Die	Y516 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)	SUMITOMO
#26-20	Red	M81824/8-	01	--	--	--	--	--	D-436-85	--
#20-16	Blue	M81824/8-	02	--	--	--	--	--	D-436-86	--
#16-12	Yellow	M81824/8-	03	--	--	--	--	--	D-436-87	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMT232 Pneumatic Tool, p. 107
GMT232 Hand Tool, p. 104-105
GMTE232B Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
HXE4B Battery Tools, p. 84
HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
PHX3 Pneumatic Tool, p. 85

DMC does NOT provide connectors, contacts, or wiring components. Parts are shown here for reference only. See limited disclaimer on page 18.

M81824/7-01 TO -03, SIZES 26 TO 12



Similar Splice Shown

TYPE: Class 1 Insulated Splices

INSULATION: Heat Shrinkable Polyvinylidene Flouride

SPLICE BODY & SLEEVE: Copper, ASTM B-280 or B75-68 or B152

PLATING: Tin, ASTM B-545

SEALING MATERIAL: Modified Thermoplastic

MAX TEMP RATING: 150° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	MULTIPLE CONDUCTORS CMA RANGE	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		GMT SERIES MIL* APPROVED	HX4 SERIES MIL* APPROVED	HX3 SERIES MIL APPROVED	HX4 SERIES DIE
#26-20	0.15-0.61	304 - 1510	Red	M81824/7-	01	GMT232	Y540 Die	X528 Die	Y516 Die
#20-16	0.39-1.34	779 - 2680	Blue	M81824/7-	02	GMT232	Y540 Die	X528 Die	Y516 Die
#16-12	0.95-3.37	1900 - 6755	Yellow	M81824/7-	03	GMT232	Y539 Die	X527 Die	Y516 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)	SUMITOMO
#26-20	Red	M81824/7-	01	--	--	--	--	--	D-436-0110	--
#20-16	Blue	M81824/7-	02	--	--	--	--	--	D-436-52	--
#16-12	Yellow	M81824/7-	03	--	--	--	--	--	D-436-53	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMT232 Pneumatic Tool, p. 107
GMT232 Hand Tool, p. 104-105
GMTE232B Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
HXE4B Battery Tools, p. 84
HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
PHX3 Pneumatic Tool, p. 85

DMC does NOT provide connectors, contacts, or wiring components. Parts are shown here for reference only. See limited disclaimer on page 18.



Similar Splice Shown

M81824/9-01 TO -03, SIZES 26 TO 12

TYPE: Class 1 Insulated Splices

INSULATION: Heat Shrinkable Polyvinylidene Flouride

SPLICE BODY & SLEEVE: Copper, ASTM B-280 or B75-68 or B152

PLATING: Tin, ASTM B-545

SEALING MATERIAL: Modified Thermoplastic

MAX TEMP RATING: 150° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	MULTIPLE CONDUCTORS CMA RANGE	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		GMT SERIES MIL* APPROVED	HX4 SERIES MIL* APPROVED	HX3 SERIES MIL APPROVED	HX4 SERIES DIE
#26-20	0.15-0.61	304 - 1510	Red	M81824/9-	01	GMT232	Y540 Die	X528 Die	Y516 Die
#20-16	0.39-1.34	779 - 2680	Blue	M81824/9-	02	GMT232	Y540 Die	X528 Die	Y516 Die
#16-12	0.95-3.37	1900 - 6755	Yellow	M81824/9-	03	GMT232	Y539 Die	X527 Die	Y516 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)	SUMITOMO
#26-20	Red	M81824/9-	01	--	--	--	--	--	D-436-0115	--
#20-16	Blue	M81824/9-	02	--	--	--	--	--	D-436-42	--
#16-12	Yellow	M81824/9-	03	--	--	--	--	--	D-436-43	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMT232 Pneumatic Tool, p. 107
 GMT232 Hand Tool, p. 104-105
 GMTE232B Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
 PHX3 Pneumatic Tool, p. 85



Similar Splice Shown

M81824/10-01 TO -03, SIZES 26 TO 12

TYPE: Class 1 Insulated Splices

INSULATION: Heat Shrinkable Polyvinylidene Flouride

SPLICE BODY & SLEEVE: Copper, ASTM B-280 or B75-68 or B152

PLATING: Nickel, SAE AMS-QQ-N290

SEALING MATERIAL: Modified Thermoplastic

MAX TEMP RATING: 175° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	MULTIPLE CONDUCTORS CMA RANGE	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		GMT SERIES MIL* APPROVED	HX4 SERIES MIL* APPROVED	HX3 SERIES MIL APPROVED	HX4 SERIES DIE
#26-20	0.15-0.61	304 - 1510	Red	M81824/10-	01	GMT232	Y540 Die	X528 Die	Y516 Die
#20-16	0.39-1.34	779 - 2680	Blue	M81824/10-	02	GMT232	Y540 Die	X528 Die	Y516 Die
#16-12	0.95-3.37	1900 - 6755	Yellow	M81824/10-	03	GMT232	Y539 Die	X527 Die	Y516 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)	SUMITOMO
#26-20	Red	M81824/10-	01	--	--	--	--	--	D-436-88	--
#20-16	Blue	M81824/10-	02	--	--	--	--	--	D-436-89	--
#16-12	Yellow	M81824/10-	03	--	--	--	--	--	D-436-90	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMT232 Pneumatic Tool, p. 107
GMT232 Hand Tool, p. 104-105
GMTE232B Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
HXE4B Battery Tools, p. 84
HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
PHX3 Pneumatic Tool, p. 85



Similar Splice Shown

M81824/11-01 TO -03, SIZES 26 TO 12

TYPE: Class 1 Insulated Splices

INSULATION: Heat-Shrinkable Cross-Linked Polyvinylidene Fluoride, (SAE AMS-DTL-23053/18)

SPLICE BODY & SLEEVE: Copper, ASTM B-280, B-75, or B-187

PLATING: Nickel, SAE AMS-QQ-N290

SEALING MATERIAL: Modified Thermoplastic

MAX TEMP RATING: 200° C

Tool Selection Guide*

SPLICE SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	MULTIPLE CONDUCTORS CMA RANGE	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		GMT SERIES MIL* APPROVED	HX4 SERIES MIL* APPROVED	HX3 SERIES MIL APPROVED	HX4 SERIES DIE
#26-20	0.15-0.61	304 - 1510	Red	M81824/11-	01	GMT232	Y540 Die	X528 Die	Y516 Die
#20-16	0.39-1.34	779 - 2680	Blue	M81824/11-	02	GMT232	Y540 Die	X528 Die	Y516 Die
#16-12	0.95-3.37	1900 - 6755	Yellow	M81824/11-	03	GMT232	Y539 Die	X527 Die	Y516 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)	SUMITOMO
#26-20	Red	M81824/11-	01	--	--	--	--	--	D-200-82	--
#20-16	Blue	M81824/11-	02	--	--	--	--	--	D-200-83	--
#16-12	Yellow	M81824/11-	03	--	--	--	--	--	D-200-84	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMT232 Pneumatic Tool, p. 107
GMT232 Hand Tool, p. 104-105
GMTE232B Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
HXE4B Battery Tools, p. 84
HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83
PHX3 Pneumatic Tool, p. 85

DMC does NOT provide connectors, contacts, or wiring components. Parts are shown here for reference only. See limited disclaimer on page 18.



Similar Splice Shown

M81824/12-01 TO -03, SIZES 26 TO 12

TYPE: Class 1 Splice, Environment Resistant, Heatless Sealing
INSULATION: Preformed Nylon with Colored End Cap, Gel Seal
TERMINAL BODY & SLEEVE: Copper
PLATING: Tin Coated
SEALING MATERIAL: Non-Opaque Gel
MAX TEMP RATING: 150° C

Tool Selection Guide*

SPLICE SPECS					DMC TOOL/DIE OPTIONS	
AWG	WIRE SIZE MM	MULTIPLE CONDUCTORS CMA RANGE	END CAP COLOR	TERMINAL/SPLICE PART NUMBER	GMT SERIES MIL APPROVED*	HX4 SERIES MIL APPROVED*
#26-20	--	--	Red	M81824/12-01	GMT1090	--
#20-16	--	--	Blue	M81824/12-02	GMT1090	--
#14-12	--	--	Yellow	M81824/12-03	GMT1090	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Splice Manufacturers' Part Numbers

SPLICE SPECS				SPLICE MANUFACTURERS' SPLICE #					
AWG	END CAP COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS & BETTS	TYCO ELEC (RAYCHEM)
#26-20	Red	M81824/12-01		--	--	--	--	--	D-436-36-COLD
#20-16	Blue	M81824/12-02		--	--	--	--	--	D-436-37-COLD
#14-12	Yellow	M81824/12-03		--	--	--	--	--	D-436-38-COLD

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMTxxx Pneumatic Tool, p. 107
 GMTxxx Hand Tool, p. 104-105
 GMTExxxB Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86



Similar Terminal Shown

MS17143-1 to -10, Sizes 22 to 10

TYPE: Class 1 Insulated Terminals, Rectangular Tongue

INSULATION: Nylon, UL 94V-2

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 105° C

Tool Selection Guide*

TERMINAL SPECS						DMC TOOL/DIE OPTIONS				
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HX4 SERIES MIL APPROVED*	HX3 SERIES MIL APPROVED*	MIL APPROVED TOOL*	HX4 SERIES SINGLE CAVITY	HX4 SERIES MULTI CAVITY
#22-18	0.26-0.96	.140 (3.56)	Red	MS 17143	1	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
#16-14	1.04 - 2.62	.170 (4.32)	Blue	MS 17143	2	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS 17143	3	Y501 Die	X515 Die	--	Y670 Die	--
#22-18	0.26-0.96	.140 (3.56)	Red	MS 17143	4	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
#16-14	1.04 - 2.62	.170 (4.32)	Blue	MS 17143	5	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS 17143	6	Y501 Die	X515 Die	--	Y670 Die	--
#22-18	0.26-0.96	.140 (3.56)	Red	MS 17143	7	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
#16-14	1.04 - 2.62	.170 (4.32)	Blue	MS 17143	8	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS 17143	9	Y501 Die	X515 Die	--	Y670 Die	--
#22-18	0.26-0.96	.140 (3.56)	Red	MS 17143	10	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		FCI BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#22-18	Red	MS 17143	1	--	--	AA-880-1	--	RA 480	327932
#16-14	Blue	MS 17143	2	--	--	BB-880-2	--	RB 480	2-327934-2
#12-10	Yellow	MS 17143	3	--	--	--	--	RC 480	327936
#22-18	Red	MS 17143	4	--	--	AA-881-1	--	RA 481	2-327938-1
#16-14	Blue	MS 17143	5	--	--	BB-881-2	--	RB 481	2-327940-4
#12-10	Yellow	MS 17143	6	--	--	--	--	RC 481	327942
#22-18	Red	MS 17143	7	--	--	AA-882-1	--	RA 482	327944
#16-14	Blue	MS 17143	8	--	--	BB-882-2	--	RB 482	2-327946-4
#12-10	Yellow	MS 17143	9	--	--	--	--	RC 482	327948
#22-18	Red	MS 17143	10	--	--	AA-883-1	--	RA 483	2-327950-1

NOTE: Component manufactures' instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS17143-11 to -21, Sizes 22 to 10

TYPE: Class 1 Insulated Terminals, Rectangular Tongue

INSULATION: Nylon, UL 94V-2

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 105° C

Tool Selection Guide*

TERMINAL SPECS						DMC TOOL/DIE OPTIONS				
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HX4 SERIES MIL APPROVED*	HX3 SERIES MIL APPROVED*	MIL APPROVED TOOL*	HX4 SERIES SINGLE CAVITY	HX4 SERIES MULTI CAVITY
#16-14	1.04 - 2.62	.170 (4.32)	Blue	MS 17143	11	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS 17143	12	Y501 Die	X515 Die	--	Y670 Die	--
#22-18	0.26-0.96	.140 (3.56)	Red	MS 17143	13	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
#16-14	1.04 - 2.62	.170 (4.32)	Blue	MS 17143	14	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS 17143	15	Y501 Die	X515 Die	--	Y670 Die	--
#22-18	0.26-0.96	.140 (3.56)	Red	MS 17143	16	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
#16-14	1.04 - 2.62	.170 (4.32)	Blue	MS 17143	17	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS 17143	18	Y501 Die	X515 Die	--	Y670 Die	--
#22-18	0.26-0.96	.140 (3.56)	Red	MS 17143	19	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
#16-14	1.04 - 2.62	.170 (4.32)	Blue	MS 17143	20	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS 17143	21	Y501 Die	X515 Die	--	Y670 Die	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		FCI BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#16-14	Blue	MS 17143	11	--	--	BB-883-2	--	RB 483	2-327952-2
#12-10	Yellow	MS 17143	12	--	--	--	--	RC 483	327954
#22-18	Red	MS 17143	13	--	--	AA-884-1	--	RA 484	2-327956-1
#16-14	Blue	MS 17143	14	--	--	BB-884-2	--	RB 484	2-327958-4
#12-10	Yellow	MS 17143	15	--	--	--	--	RC 484	2-327960-1
#22-18	Red	MS 17143	16	--	--	AA-885-1	--	RA 485	327962
#16-14	Blue	MS 17143	17	--	--	BB-885-2	--	RB 485	2-327964-4
#12-10	Yellow	MS 17143	18	--	--	-	--	RC 485	327966
#22-18	Red	MS 17143	19	--	--	AA-886-1	--	RA 486	2-327968-1
#16-14	Blue	MS 17143	20	--	--	BB-886-2	--	RB 486	2-327970-4
#12-10	Yellow	MS 17143	21	--	--	--	--	RC 486	327972

NOTE: Component manufactures' instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS20659-101 TO -106, SIZES 22 TO 10

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

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS					
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HX4 SERIES MULTI CAVITY (1 INDENT)	HX4 SERIES MULTI CAVITY (2 INDENTS)	GMT SERIES TOOL (1 INDENT)	GMT SERIES TOOL (2 INDENTS)	DCT4 SERIES
#22-18	0.26-0.96	N/A	N/A	MS20659-	101	Y554 Die	Y788 Die	GMT277	GMT1005	--
					102	Y554 Die	Y788 Die	GMT277	GMT1005	--
#16-14	1.04 - 2.62	N/A	N/A	MS20659-	103	Y554 Die	Y788 Die	GMT277	GMT1005	--
					104	Y554 Die	Y788 Die	GMT277	GMT1005	--
#12-10	2.62 - 6.64	N/A	N/A	MS20659-	105	Y554 Die	Y788 Die	GMT277	GMT1005	--
					106	Y554 Die	Y788 Die	GMT277	GMT1005	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#22-18	N/A	MS20659-	101	--	--	--	--	A85G	--
			102	--	--	--	--	A87G	--
#16-14	N/A	MS20659-	103	--	--	--	--	B85G	--
			104	--	--	--	--	B87G	--
#12-10	N/A	MS20659-	105	YAV10	R3457B	C-328-10	P10-10R	C26	33457
			106	YAV10-T2	R3459B	C-330-56	P10-56R	C70	33459

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMTxxx Pneumatic Tool, p. 107
 GMTxxx Hand Tool, p. 104-105
 GMTExxxB Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS20659-107 TO -116, SIZES 8 TO 1

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

Tool Selection Guide*

Terminal Specs						DMC Tool/Die Options		
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		HD485 Dies MIL Approved*	HD51 Series	HD36 Series
#8	6.64 - 10.5	N/A	N/A	MS20659-	107	HD485-8 Die	HD51-118N Die	HD36-111N Die
					108	HD485-8 Die	HD51-118N Die	HD36-111N Die
#6	10.5 - 16.8	N/A	N/A	MS20659-	109	HD485-6 Die	HD51-119N Die	HD36-112N Die
					110	HD485-6 Die	HD51-119N Die	HD36-112N Die
#4	16.8 - 26.7	N/A	N/A	MS20659-	111	HD485-4 Die	HD51-120N Die	HD36-113N Die
					112	HD485-4 Die	HD51-120N Die	HD36-113N Die
#2	26.7 - 42.4	N/A	N/A	MS20659-	113	HD485-2 Die	HD51-121N Die	HD36-114N Die
					114	HD485-2 Die	HD51-121N Die	HD36-114N Die
#1	40.0-42.0	N/A	N/A	MS20659-	115	HD485-1 Die	--	--
					116	HD485-1 Die	--	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#8	N/A	MS20659-	107	YAV8C-L	--	--	--	D10361	--
			108	YAV8C-L2	--	--	--	D10721	--
#6	N/A	MS20659-	109	YAV6C-L	--	--	--	E10711	--
			110	YAV6C-L2	--	--	--	E10731	--
#4	N/A	MS20659-	111	YAV4C-L	--	--	--	F10711	--
			112	YAV4C-L2	--	--	--	F10731	--
#2	N/A	MS20659-	113	YAV2C-L1	--	--	--	G971	--
			114	YAV2C-L	--	--	--	G973	--
#1	N/A	MS20659-	115	YAV1C-L1	--	--	--	H971	--
			116	YAV1C-L	--	--	--	H973	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C DIE/TOOL OPTIONS

HH80C Hand Tool, p. 116-117
TBHD1M Hydraulic Tool, p. 116-117

HD36 TOOL SERIES OPTIONS

HD36 Hand Tool, p. 111
HDE36B Battery Tool, p. 112

HD51 TOOL SERIES OPTIONS

HD51 Hand Tool, p. 114-115
XHD51 Hydraulic Tool, p. 114-115
HDE51B Battery Tool - Contact DMC

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS20659-117 TO -124, SIZES 1/0 TO 4/0

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

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options		
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number	HD485 Dies MIL Approved*	HD51 Series	
#1/0	42.4-60.6	N/A	N/A	MS20659-	117	HD485-01 Die	HD51-123N Die
					118	HD485-01 Die	HD51-123N Die
#2/0	60.6-76.3	N/A	N/A	MS20659-	119	HD485-02 Die	HD51-124N Die
					120	HD485-02 Die	HD51-124N Die
#3/0	76.3-96.3	N/A	N/A	MS20659-	121	HD485-03 Die	--
					122	HD485-03 Die	--
#4/0	96.3-117	N/A	N/A	MS20659-	123	HD485-04 Die	--
					124	HD485-04 Die	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#1/0	N/A	MS20659-	117	YAV25-L1	--	--	--	J971	--
			118	YAV25-L	--	--	--	J973	--
#2/0	N/A	MS20659-	119	YAV26-L2	--	--	--	K972	--
			120	YAV26-L	--	--	--	K973	--
#3/0	N/A	MS20659-	121	YAV27-L	--	--	--	L973	--
			122	YAV27-L1	--	--	--	L975	--
#4/0	N/A	MS20659-	123	YAV28-L	--	--	--	M973	--
			124	YAV28-L12	--	--	--	M975	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C TOOL OPTIONS

HH80C Hand Tool, p. 116-117

TBHD1M Hydraulic Tool, p. 116-117

HD51 TOOL SERIES OPTIONS

HD51 Hand Tool, p. 114-115

XHD51 Hydraulic Tool, p. 114-115

HDE51B Battery Tool - Contact DMC



Similar Terminal Shown

MS20659-125 TO -128, SIZES 22 TO 10

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

Tool Selection Guide*

TERMINAL SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HX4 SERIES MULTI CAVITY (1 INDENT)	HX4 SERIES MULTI CAVITY (2 INDENTS)	GMT SERIES TOOL (1 INDENT)	GMT SERIES TOOL (2 INDENTS)
#22-18	0.26 - 0.96	N/A	N/A	MS20659-	125	Y554 Die	Y788 Die	GMT277	GMT1005
#16-14	1.04 - 2.62	N/A	N/A	MS20659-	126	Y554 Die	Y788 Die	GMT277	GMT1005
					127	Y554 Die	Y788 Die	GMT277	GMT1005
#12-10	2.62 - 6.64	N/A	N/A	MS20659-	128	Y554 Die	Y788 Die	GMT277	GMT1005

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#22-18	N/A	MS20659-	125	--	--	--	--	--	--
#16-14	N/A	MS20659-	126	--	--	--	--	--	--
		MS20659-	127	--	--	--	--	--	--
#12-10	N/A	MS20659-	128	YAV10-T4	R3220B	C-340-38	P10-38R	C73	33220

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMTxxx Pneumatic Tool, p. 107

GMTxxx Hand Tool, p. 104-105

GMTExxx Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86



Similar Terminal Shown

MS20659-129 TO -134, SIZES 6 TO 1

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

Tool Selection Guide*

TERMINAL SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HD485 DIES MIL APPROVED*	HD51 SERIES	HD36 SERIES	HX4 SERIES
#8	6.64 - 10.5	N/A	N/A	MS20659-	129	HD485-8 Die	HD51-118N Die	HD36-111N Die	Y845HN Die
#6	10.5 - 16.8	N/A	N/A	MS20659-	130	HD485-6 Die	HD51-119N Die	HD36-112N Die	Y847HN Die
					131	HD485-6 Die	HD51-119N Die	HD36-112N Die	Y847HN Die
#4	16.8 - 26.7	N/A	N/A	MS20659-	132	HD485-4 Die	HD51-120N Die	HD36-113N Die	--
#2	26.7 - 42.4	N/A	N/A	MS20659-	133	HD485-4 Die	HD51-120N Die	HD36-113N Die	--
#1	40.0-42.0	N/A	N/A	MS20659-	134	HD485-1 Die	--	--	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#8	N/A	MS20659-	129	YAV8C-L3	--	--	--	D10731	--
#6	N/A	MS20659-	130	YAV6C-L1	--	--	--	E10261	--
#6	N/A	MS20659-	131	YAV6C-L4	--	--	--	E10721	--
#4	N/A	MS20659-	132	YAV4C-L4	--	--	--	F10721	--
#2	N/A	MS20659-	133	YAV2C-L4	--	--	--	G975	--
#1	N/A	MS20659-	134	YAV1C-L4	--	--	--	H975	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C DIE/TOOL OPTIONS

HH80C Hand Tool, p. 116-117
TBHD1M Hydraulic Tool, p. 116-117

HD36 TOOL SERIES OPTIONS

HD36 Hand Tool, p. 111
HDE36B Battery Tool, p. 112

HD51 TOOL SERIES OPTIONS

HD51 Hand Tool, p. 114-115
XHD51 Hydraulic Tool, p. 114-115
HDE51B Battery Tool - Contact DMC

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS20659-135 TO -137, SIZES 1/0 TO 4/0

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

Tool Selection Guide*

TERMINAL SPECS						DMC TOOL/DIE OPTIONS	
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HD485 DIES MIL APPROVED*	HD51 SERIES
#1/0	42.4-60.6	N/A	N/A	MS20659-	135	HD485-01 Die	HD51-123N Die
#2/0	60.6-76.3	N/A	N/A	MS20659-	136	HD485-02 Die	HD51-124N Die
#4/0	96.3-117	N/A	N/A	MS20659-	137	HD485-04 Die	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#1/0	N/A	MS20659-	135	YAV25-L3	--	--	--	J975	--
#2/0	N/A	MS20659-	136	YAV26-L3	--	--	--	K975	--
#4/0	N/A	MS20659-	137	YAV28-L54	--	--	--	--	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C DIE/TOOL OPTIONS

HH80C Hand Tool, p. 116-117
 TBHD1M Hydraulic Tool, p. 116-117

HD51 TOOL SERIES OPTIONS

HD51 Hand Tool, p. 114-115
 XHD51 Hydraulic Tool, p. 114-115
 HDE51B Battery Tool - Contact DMC



Similar Terminal Shown

MS20659-140 TO -150, SIZES 8 TO 1

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

Tool Selection Guide*

Terminal Specs						DMC Tool/Die Options		
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		HD485 Dies MIL Approved*	HD51 Series	HD36 Series
#8	6.64 - 10.5	N/A	N/A	MS20659-	140	HD485-8 Die	HD51-118N Die	HD36-111N Die
					141	HD485-8 Die	HD51-118N Die	HD36-111N Die
					142	HD485-8 Die	HD51-118N Die	HD36-111N Die
#6	10.5 - 16.8	N/A	N/A	MS20659-	143	HD485-6 Die	HD51-119N Die	HD36-112N Die
#4	16.8 -26.7	N/A	N/A	MS20659-	144	HD485-4 Die	HD51-120N Die	HD36-113N Die
					145	HD485-4 Die	HD51-120N Die	HD36-113N Die
#2	26.7 - 42.4	N/A	N/A	MS20659-	146	HD485-2 Die	HD51-121N Die	HD36-114N Die
					147	HD485-2 Die	HD51-121N Die	HD36-114N Die
					148	HD485-2 Die	HD51-121N Die	HD36-114N Die
#1	40.0-42.0	N/A	N/A	MS20659-	149	HD485-1 Die	--	--
					150	HD485-1 Die	--	--

*If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#8	N/A	MS20659-	140	YAV8C-L14	--	--	--	D10161	--
			141	YAV8C-L1	--	--	--	D10711	--
			142	YAV8C-L4	--	--	--	--	--
#6	N/A	MS20659-	143	YAV6C-L10	--	--	--	--	--
#4	N/A	MS20659-	144	YAV4C-L3	--	--	--	F10261	--
			145	YAV4C-L5	--	--	--	--	--
#2	N/A	MS20659-	146	YAV2C-L3	--	--	--	G926	--
			147	YAV2C-L2	--	--	--	G972	--
			148	YAV2C-L11	--	--	--	G974	--
#1	N/A	MS20659-	149	YAV1C-L2	--	--	--	H972	--
			150	YAV1C-L4	--	--	--	H974	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C DIE/TOOL OPTIONS

HH80C Hand Tool, p. 116-117
TBHD1M Hydraulic Tool, p. 116-117

HD36 TOOL SERIES OPTIONS

HD36 Hand Tool, p. 111
HDE36B Battery Tool, p. 112

HD51 TOOL SERIES OPTIONS

HD51 Hand Tool, p. 114-115
XHD51 Hydraulic Tool, p. 114-115
HDE51B Battery Tool - Contact DMC

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS20659-151 TO -160, SIZES 1/0 TO 4/0

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

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS		
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HD485 DIES MIL APPROVED*	HD51 SERIES
1/0	42.4-60.6	N/A	N/A	MS20659-	151	HD485-01 Die	HD51-123N Die
					152	HD485-01 Die	HD51-123N Die
2/0	60.6-76.3	N/A	N/A	MS20659-	153	HD485-02 Die	HD51-124N Die
					154	HD485-02 Die	HD51-124N Die
3/0	76.3-96.3	N/A	N/A	MS20659-	155	HD485-03 Die	--
					156	HD485-03 Die	--
4/0	96.3-117	N/A	N/A	MS20659-	157	HD485-04 Die	--
					158	HD485-04 Die	--
					159	HD485-04 Die	--
					160	HD485-04 Die	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
1/0	N/A	MS20659-	151	YAV25-L2	--	--	--	J972	--
			152	YAV25-L16	--	--	--	J974	--
2/0	N/A	MS20659-	153	YAV26-L1	--	--	--	K971	--
			154	YAV26-L16	--	--	--	K974	--
3/0	N/A	MS20659-	155	YAV27-L20	--	--	--	L972	--
			156	YAV27-L18	--	--	--	L974	--
4/0	N/A	MS20659-	157	YAV1C-L11	--	--	--	M972	--
			158	YAV28-L56	--	--	--	M974	--
			159	YAV28-L13	--	--	--	--	--
			160	YAV28-L14	--	--	--	--	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C DIE/TOOL OPTIONS

HH80C Hand Tool, p. 116-117

TBHD1M Hydraulic Tool, p. 116-117

HD51 TOOL SERIES OPTIONS

HD51 Hand Tool, p. 114-115

XHD51 Hydraulic Tool, p. 114-115

HDE51B Battery Tool - Contact DMC

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS20659-161 TO -166, SIZES 22 TO 10

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

Tool Selection Guide*

TERMINAL SPECS						DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HX4 SERIES MULTI CAVITY (1 INDENT)	HX4 SERIES MULTI CAVITY (2 INDENTS)	GMT SERIES TOOL (1 INDENT)	GMT SERIES TOOL (2 INDENTS)
#22-18	0.26 - 0.96	N/A	N/A	MS20659-	161	Y554 Die	Y788 Die	GMT277	GMT1005
					162	Y554 Die	Y788 Die	GMT277	GMT1005
#16-14	1.04 - 2.62	N/A	N/A	MS20659-	163	Y554 Die	Y788 Die	GMT277	GMT1005
					164	Y554 Die	Y788 Die	GMT277	GMT1005
#12-10	2.62 - 6.64	N/A	N/A	MS20659-	165	Y554 Die	Y788 Die	GMT277	GMT1005
					166	Y554 Die	Y788 Die	GMT277	GMT1005

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#22-18	N/A	MS20659-	161	--	--	--	--	--	--
			162	--	--	--	--	--	--
#16-14	N/A	MS20659-	163	--	--	--	--	--	--
			164	--	--	--	--	--	--
#12-10	N/A	MS20659-	165	YAV10-T7	R3453B	--	P10-6R	C33	--
			166	--	R3223B	--	--	C75	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMTxxx Pneumatic Tool, p. 107
 GMTxxx Hand Tool, p. 104-105
 GMTExxxB Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86



Similar Terminal Shown

MS21004-1 TO -7, SIZES 22 TO 18

TYPE: Class 1 Uninsulated Terminals, Rectangular Tongue

INSULATION: None

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 175° C

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS				
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HX4 SERIES MULTI CAVITY (1 INDENT)	HX4 SERIES MULTI CAVITY (2 INDENTS)	GMT SERIES TOOL (1 INDENT)	GMT SERIES TOOL (2 INDENTS)	
#22-18	0.26-0.96	N/A	N/A	MS21004-	1	Y554 Die	Y788 Die	GMT277	GMT1005
					2	Y554 Die	Y788 Die	GMT277	GMT1005
					3	Y554 Die	Y788 Die	GMT277	GMT1005
					4	Y554 Die	Y788 Die	GMT277	GMT1005
					5	Y554 Die	Y788 Die	GMT277	GMT1005
					6	Y554 Die	Y788 Die	GMT277	GMT1005
					7	Y554 Die	Y788 Die	GMT277	GMT1005

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#22-18	N/A	MS21004-	1	--	--	--	--	A486	--
			2	--	--	--	--	A483	--
			3	--	--	--	--	A482	--
			4	--	--	--	--	A481	--
			5	--	--	--	--	A485	--
			6	--	--	--	--	A484	--
			7	--	--	--	--	A480	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMTxxx Pneumatic Tool, p. 107
 GMTxxx Hand Tool, p. 104-105
 GMTExxxB Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86



Similar Terminal Shown

MS21004-8 TO -14, SIZES 16 TO 14

TYPE: Class 1 Uninsulated Terminals, Rectangular Tongue

INSULATION: None

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 175° C

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS				
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HX4 SERIES MULTI CAVITY (1 INDENT)	HX4 SERIES MULTI CAVITY (2 INDENTS)	GMT SERIES TOOL (1 INDENT)	GMT SERIES TOOL (2 INDENTS)	
#16-14	1.04 - 2.62	N/A	N/A	MS21004-	8	Y554 Die	Y788 Die	GMT277	GMT1005
					9	Y554 Die	Y788 Die	GMT277	GMT1005
					10	Y554 Die	Y788 Die	GMT277	GMT1005
					11	Y554 Die	Y788 Die	GMT277	GMT1005
					12	Y554 Die	Y788 Die	GMT277	GMT1005
					13	Y554 Die	Y788 Die	GMT277	GMT1005
					14	Y554 Die	Y788 Die	GMT277	GMT1005

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#16-14	N/A	MS21004-	8	--	--	--	--	B486	--
			9	--	--	--	--	B483	--
			10	--	--	--	--	B482	--
			11	--	--	--	--	B481	--
			12	--	--	--	--	B485	--
			13	--	--	--	--	B484	--
			14	--	--	--	--	B480	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMTxxx Pneumatic Tool, p. 107
 GMTxxx Hand Tool, p. 104-105
 GMTExxxB Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86



Similar Terminal Shown

MS21004-15 TO -21, SIZES 12 TO 10

TYPE: Class 1 Uninsulated Terminals, Rectangular Tongue

INSULATION: None

TERMINAL BODY & SLEEVE: Copper, ASTM B-152

PLATING: Tin, ASTM B-545

MAX TEMP RATING: 175° C

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS					
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HX4 SERIES MULTI CAVITY (1 INDENT)	HX4 SERIES MULTI CAVITY (2 INDENTS)	GMT SERIES TOOL (1 INDENT)	GMT SERIES TOOL (2 INDENTS)	DCT4 SERIES
#12-10	2.62 - 6.64	N/A	N/A	MS21004-	15	Y554 Die	Y788 Die	GMT277	GMT1005	--
					16	Y554 Die	Y788 Die	GMT277	GMT1005	--
					17	Y554 Die	Y788 Die	GMT277	GMT1005	--
					18	Y554 Die	Y788 Die	GMT277	GMT1005	--
					19	Y554 Die	Y788 Die	GMT277	GMT1005	--
					20	Y554 Die	Y788 Die	GMT277	GMT1005	--
					21	Y554 Die	Y788 Die	GMT277	GMT1005	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#12-10	N/A	MS21004-	15	--	--	--	--	C486	--
			16	--	--	--	--	C483	--
			17	--	--	--	--	C482	--
			18	--	--	--	--	C481	--
			19	--	--	--	--	C485	--
			20	--	--	--	--	C484	--
			21	--	--	--	--	C480	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

GMT TOOL SERIES OPTIONS

PMTxxx Pneumatic Tool, p. 107
 GMTxxx Hand Tool, p. 104-105
 GMTExxxB Battery Tool, p. 105-106

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
 HXE4B Battery Tools, p. 84
 HX23 Pneumatic Tool, p. 86



Similar Terminal Shown

MS25036-101 TO -110, SIZES 22 TO 14

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

Tool Selection Guide*

Terminal Specs						DMC Tool/Die Options				
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		Hx4 Series Mil Approved*	Hx3 Series Mil Approved*	Mil Approved* Tool	Hx4 Series Single Cavity	Hx4 Series Multi Cavity
#22-18	0.26-0.96	.140 (3.56)	Red	MS25036-	101	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					102	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					103	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					104	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					105	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
#16-14	1.04 - 2.62	.170 (4.32)	Blue	MS25036-	106	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					107	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					108	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					109	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					110	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #							
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC		
#22-18	Red	MS25036-	101	YAES18-N1	XR1881 SN	AA-820-06	PN18-6RN	RA333	36150	36149
			102	YAES18-N2	XR1885 SN	AA-832-06	PN18-6R	RA853	51863	--
			103	YAES18-N3	XR1891 SN	AA-821-10	PN18-10R	RA873	36154	36153
			104	YAES18-N4	XR1895 SN	AA-822-56	PN18-56R	RA723	31895	320572
			105	YAES18-N5	XR1896 SN	AA-826-38	PN18-38R	RA733	31897	320573
#16-14	Blue	MS25036-	106	YAES14-N6	XR2442 SN	BB-823-06	PN14-6RN	RB1333	320561	--
			107	YAES14-N7	XR1901 SN	BB-837-06	PN14-6R	RB853	51864	--
			108	YAES14-N8	XR1903 SN	BB-837-10	PN14-10R	RB873	51864-2	--
			109	YAES14-N9	XR1907 SN	BB-825-56	PN14-56R	RB723	320575	--
			110	YAES14-N10	XR1908 SN	BB-818-38	PN14-38R	RB733	320564	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS25036-111 TO -114, SIZES 12 TO 10

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

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS		
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HX4 SERIES MIL APPROVED*	HX3 SERIES MIL APPROVED*	HX4 SERIES SINGLE CAVITY
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS25036-	111	Y501 Die	X515 Die
					112	Y501 Die	X515 Die
					113	Y501 Die	X515 Die
					114	Y501 Die	X515 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #							
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC		
#12-10	Yellow	MS25036-	111	YAES10-N11	XR5107 N	C-828-06	PN10-6R	RC333	320567	35107
			112	YAES10-N12	XR5109 N	C-828-10	PN10-10R	RC363	36161	35109
			113	YAES10-N13	XR5111 N	C-830-56	PN10-56R	RC703	320576	35111
			114	YAES10-N14	XR5112 N	C-840-38	PN10-38R	RC733	320577	35112

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85



Similar Terminal Shown

MS25036-115 TO -122, SIZES 8 TO 6

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

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS			
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HD002 DIES MIL APPROVED*	HX4 SERIES	HD36 SERIES	HD51 SERIES
#8	6.64 - 10.5	.290 (7.55)	Red	MS25036-	115	HD002-8 Die	--	HD36-139 Die
					116	HD002-8 Die	--	HD36-139 Die
					117	HD002-8 Die	--	HD36-139 Die
					118	HD002-8 Die	--	HD36-139 Die
#6	10.5 - 16.8	.370 (9.55)	Blue	MS25036-	119	HD002-6 Die	--	HD36-136 Die
					120	HD002-6 Die	--	HD36-136 Die
					121	HD002-6 Die	--	HD36-136 Die
					122	HD002-6 Die	--	HD36-136 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#8	Red	MS25036-	115	YAEV8C-L	--	--	RD10361	--
			116	YAEV8C-L1	--	--	RD10711	--
			117	YAEV8C-L2	--	--	RD10721	--
			118	YAEV8C-L3	--	--	RD10731	--
#6	Blue	MS25036-	119	YAEV6C-L1-M	--	--	RE10261	--
			120	YAEV6C-L-M	--	--	RE10711	--
			121	YAEV6C-L4-M	--	--	RE10721	--
			122	YAEV6C-L2-M	--	--	RE10731	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C TOOL OPTIONS

HH80C, p. 116
TBHD1M Hydraulic Tool, p. 116

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83
HXE4B Battery Tools, p. 84
HX23 Pneumatic Tool, p. 86

HD36 TOOL SERIES OPTIONS

HD36 Hand Tool, p. 111
HDE36B Battery Tool, p. 112

HD51 TOOL SERIES OPTIONS

HD51 Hand Tool, p. 114-115
XHD51 Hydraulic Tool, p. 114-115
HDE51B Battery Tool - Contact DMC



Similar Terminal Shown

MS25036-123 TO -131, SIZES 4 TO 1

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

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS		
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	HD002 DIES MIL APPROVED*	HD36 SERIES	HD51 SERIES
#4	16.8 - 26.7	.430 (11.05)	Yellow	MS25036-	123	HD002-4 Die	HD36-137 Die
					124	HD002-4 Die	HD36-137 Die
					125	HD002-4 Die	HD36-137 Die
#2	26.7 - 42.4	.505 (12.83)	Red	MS25036-	126	HD002-2 Die	--
					127	HD002-2 Die	--
					128	HD002-2 Die	--
#1	--	--	White	MS25036-	129	HD002-1 Die	--
					130	HD002-1 Die	--
					131	HD002-1 Die	--

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER	BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#4	Yellow	MS25036-	123	YAEV4C-L	--	--	RF10711	--
			124	YAEV4C-L4	--	--	RF10721	--
			125	YAEV4C-L2	--	--	RF10731	--
#2	Red	MS25036-	126	YAEV2C-L1	--	--	RG9711	--
			127	YAEV2C-L	--	--	RG9731	--
			128	YAEV8C-L4	--	--	RG9751	--
#1	White	MS25036-	129	YAEV1C-L1	--	--	RH9711	--
			130	YAEV1C-L	--	--	RH9731	--
			131	YAEV1C-L3	--	--	RH9751	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C TOOL OPTIONS

HH80C Hand Tool, p. 116
TBHD1M Hydraulic Tool, p. 116

HD36 TOOL SERIES OPTIONS

HD36 Hand Tool, p. 111
HDE36B Battery Tool, p. 112

HD51 TOOL SERIES OPTIONS

HD51 Hand Tool, p. 114-115
XHD51 Hydraulic Tool, p. 114-115
HDE51B Battery Tool - Contact DMC

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS25036-132 to -141, Sizes 1/0 to 4/0

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

Tool Selection Guide*

TERMINAL SPECS					DMC TOOL/DIE OPTIONS		
AWG	WIRE SIZE MM	INSULATION DIAMETER IN. (MM)	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		HD002 DIES MIL APPROVED*	HD51 SERIES
1/0	42.4-60.6	.632 (16.05)	Blue	MS25036-	132	HD002-01 Die	--
					133	HD002-01 Die	--
					134	HD002-01 Die	--
2/0	60.6-76.3	.684 (17.37)	Yellow	MS25036-	135	HD002-02 Die	--
					136	HD002-02 Die	--
					137	HD002-02 Die	--
3/0	76.3-96.3	.737 (18.72)	Red	MS25036-	138	HD002-03 Die	--
					139	HD002-03 Die	--
4/0	96.3-117	.799 (20.29)	Blue	MS25036-	140	HD002-04 Die	--
					141	HD002-04 Die	--

Terminal Manufacturers' Part Numbers

TERMINAL SPECS			TERMINAL MANUFACTURERS' TERMINAL #						
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
1/0	Blue	MS25036-	132	YAEV25-L1	--	--	--	RJ9711	--
			133	YAEV25-L	--	--	--	RJ9731	--
			134	YAEV25-L3	--	--	--	RJ9751	--
2/0	Yellow	MS25036-	135	YAEV26-L2	--	--	--	RK9711	--
			136	YAEV26-L	--	--	--	RK9731	--
			137	YAEV26-L3	--	--	--	RK9751	--
3/0	Red	MS25036-	138	--	--	--	--	RL9731	--
			139	--	--	--	--	RL9751	--
4/0	Blue	MS25036-	140	--	--	--	--	RM9731	--
			141	--	--	--	--	RM9751	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

TBHD1M OR HH80C TOOL OPTIONS

HH80C Hand Tool, p. 116

TBHD1M Hydraulic Tool, p. 116

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.



Similar Terminal Shown

MS25036-143 to -151, Sizes 26 to 18

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

Tool Selection Guide*

Terminal Specs					DMC Tool/Die Options					
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		HX4 Series MIL Approved*	HX3 Series MIL Approved*	MIL Approved* Tool	HX4 Series Single Cavity	HX4 Series Multi Cavity
#26-24	0.12 - 0.24	.082 (2.09)	Yellow	MS25036-	143	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					144	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					145	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					146	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					147	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
#22-18	0.26-0.96	.125 (3.18)	Red	MS25036-	148	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					149	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					150	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die
					151	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#26-24	Yellow	MS25036-	143	--	XR26336 N	--	--	RAX23	54310-1
			144	--	XR26337 N	--	--	RAX43	52189
			145	--	XR26338 N	--	--	RAX63	53073
			146	--	XR26339 N	--	--	RAX83	54311-1
			147	--	XR26340 N	--	--	RAX103	54321-1
#22-18	Red	MS25036-	148	YAES18-N48	XR1880 SN	AA-820-04	PN18-4RN	RA323	31880
			149	YAES18-N49	XR1890 SN	AA-821-08	PN18-8R	RA863	31890
			150	YAES18-N50	XR1894 SN	AA-822-14	PN18-14R	RA713	31894
			151	--	--	--	--	RA753	328975

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85



Similar Terminal Shown

MS25036-152 to -159, Sizes 22 to 10

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

Tool Selection Guide*

Terminal Specs						DMC Tool/Die Options				
AWG	Wire Size mm	Insulation Diameter in. (mm)	Sleeve Color	Terminal/Splice Part Number		HX4 Series MIL Approved*	HX3 Series MIL Approved*	MIL Approved* Tool	HX4 Series Single Cavity	HX4 Series Multi Cavity
#16-14	1.04 - 2.62	.150 (3.81)	Blue	MS25036-	152	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					153	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					154	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
					155	Y501 Die	X511 Die	M22520/40-01	Y671 Die	Y1060 Die
#12-10	2.62 - 6.64	.230 (5.84)	Yellow	MS25036-	156	Y501 Die	X515 Die	--	Y670 Die	--
					157	Y501 Die	X515 Die	--	Y670 Die	--
					158	Y501 Die	X515 Die	--	Y670 Die	--
#22-18	0.26-0.96	.230 (5.84)	Red	MS25036-	159	Y501 Die	X511 Die	M22520/40-01	Y672 Die	Y1060 Die

* If MIL Approval is required, QPL status should be verified. Consult DMC for current status.

Terminal Manufacturers' Part Numbers

TERMINAL SPECS				TERMINAL MANUFACTURERS' TERMINAL #					
AWG	SLEEVE COLOR	TERMINAL/SPLICE PART NUMBER		BURNDY	HOLLINGSWORTH	MOLEX	PANDUIT	THOMAS&BETTS	TYCO ELEC
#16-14	Blue	MS25036-	152	YAES14N52	--	BB-823-04	PN14-4R	RB1323	324159
			153	YAES14N53	XR1902 SN	BB-837-08	PN14-8R	RB863	51864-1
			154	YAES14N54	XR1906 SN	BB-825-14	PN14-14R	RB713	320563
			155	YAES14N55	--	--	--	RB753	328976
#12-10	Yellow	MS25036-	156	YAES10-N56	XR5108 N	C-828-08	PN10-8R	RC863	35108
			157	YAES10-N57	XR5110 N	C-830-14	PN10-14R	RC713	35110
			158	YAES10-N58	XR5117 N	--	--	RC753	52077
#22-18	Red	MS25036-	159	--	XR1879 SN	AA-820-02	--	--	--

NOTE: Component manufactures' and OEM instructions shall take precedence over the information presented in these charts. Wire ranges are for reference only.

HX4 TOOL SERIES OPTIONS FOR Y-DIES

HX4 Hand Tools, p. 82 & 83

HXE4B Battery Tools, p. 84

HX23 Pneumatic Tool, p. 86

HX3 TOOL SERIES OPTIONS FOR X-DIES

HX3 Hand Tools, p. 82 & 83

PHX3 Pneumatic Tool, p. 85

Tensile Test Systems

For Wire Terminations & Similar Applications



THE DEPENDABLE ALPHATRON™ TENSILE TEST SYSTEM

Now available from DMC is a line of Electronic Tensile Test Systems which may be used in conjunction with SPC Programs or other Quality Control disciplines in both OEM and



MOTORIZED PULL TESTER
MODEL MPT-250B



MANUAL PULL TESTER
MODEL PT-150H



SMALL GAGE WIRE CRIMP
PULL TESTER MODEL PT-40XP



HAND-HELD PORTABLE
PULL TESTER MODEL HPT-200

maintenance applications. The electronic digital readout displays are a fast and reliable source of test data.

The rugged construction and the portable design of these test machines make any of them a superior choice for on-site or laboratory use in an infinite variety of applications. The operation of the equipment is simple yet versatile, and DMC will customize the gripping jaws or other components to make test sample installation and removal an easy task.

Models are available with output display readings in Pounds, Newtons, and/or Kilograms to conform with the requirements of the user's system. Units are available for either 115 or 230 volt power input.

It's only natural that the company which supplies the best wire termination tools and equipment would add the very best Digital Tensile Testers to further meet the demand for fewer sources and improved support through a wider range of user needs.

The MPT-250B Motorized Wire Crimp Pull Tester is ideal when a constant rate of pull is desired. It tests crimp

strength on terminations up to size 8 in Mil-Spec applications, and size 1/0 AWG in commercial and automotive applications.

The PT-150H Manual Wire Crimp Pull Tester is ideal for testing crimp strength up to size 10 for Mil-Spec applications, and size 4 AWG for commercial and automotive applications.

The HPT-200 hand-held pull tester blends the accuracy and rugged design of the Alphatron pull testers into a self-contained, portable, rechargeable battery powered unit. It is ideal for testing crimp strength up to size 10 AWG in Mil-Spec applications, and size 10 AWG in commercial and automotive applications.

MPT-250B-SC MOTORIZED SAFE-T-CABLE™ TESTER

The specifications for this model are the same as MPT-250B.

The MPT-250B-SC is equipped to test .020", .032" and .040" diameter Safe-T-Cable™.

GENERAL SPECIFICATIONS

	MPT-250B	PT-150H	HPT-200	PT-40XP
Capacity	250 lbf 113 kg 1112 N	150 lbf 68.0 kg 667 N	200 lbf 90.7 kg 889 N	40 lbf 18.1 kg 170 N
Accuracy	±0.5% (1/2 of 1%)	±0.5% (1/2 of 1%)	±0.5% (1/2 of 1%)	±0.5% (1/2 of 1%)
Resolution	0.1 lbf	0.1 lbf	0.1 lbf	0.1 lbf
Display Type	Digital Display w/Peak Hold Reading	Digital Display w/Peak Hold Reading	Digital Display w/Peak Hold Reading	Digital Display w/Peak Hold Reading
Display	LED w/.56" high digits	LED w/.56" high digits	LED w/.56" high digits	LED w/.56" high digits
Electrical	115 VAC 50/60 Hz 230 VAC 50/60 Hz	115 VAC 50/60 Hz 230 VAC 50/60 Hz	115 VAC 50/60 Hz 230 VAC Int. Battery	115 VAC 50/60 Hz 230 VAC Int. Battery
Operating Temperature	50°F to 100°F (10° to 38°C)	50°F to 100°F (10° to 38°C)	50°F to 100°F (10° to 38°C)	50°F to 100°F (10° to 38°C)

DIMENSIONS

	MPT-250B	PT-150H	HPT-200	PT-40XP
Height	9.5 in. (24.13 cm)	5 in. (12.7 cm)	2 in. (5.08 cm) case	5.9 in. (14.97 cm) case
Width	10 in. (25.4 cm)	8.5 in. (21.59 cm)	9.5 in. (24.13 cm) case	11.75 in. (29.81 cm) case
Depth	15 in. (38.1 cm)	16 in. (40.64 cm)	6.25 in. (15.87 cm) case	5.8 in. (14.73 cm) case
Weight	26 lbs. (11.78 kg) (less options)	15.2 lbs. (6.89 Kg) (less options)	2.5 lbs. (1.13 kg) case and hand unit	5.7 lbs. (2.59 kg) case (less options)

MPT-250B

Motorized Wire Crimp Pull Tester



Now available from DMC is a line of Electronic Tensile Test Systems which may be used in conjunction with SPC Programs or other Quality Control disciplines in both Production and Maintenance applications. The electronic digital readout displays are a fast and reliable source of test data.

The MPT-250B Motorized Wire Crimp Pull Tester has a range from five pounds force to two-hundred and fifty pounds (2-113 Kg, 22-1112 N).

You can expect the same precision and dependability that has established all ALPHATRON® testers as the first choice for wire harness builders and component suppliers throughout the industry. The 250 pound capacity of this tester will extend the range of testing capabilities to size 8 Mil-Spec applications*, and size 1/0 AWG in commercial and automotive applications** (Reference AS7928 and UL486 Respectively).

The portable design (25 pounds,

9.5"x10"x16") and the rugged construction (machined aluminum and steel) contribute to the versatility and reliability of the MPT-250B Pull Tester. A variety of options, including standard and custom grips for all types of wire terminations are available on this tester. The operation of the tester is simple and has automatic reset and auto-stop features incorporated into the design. The peak-hold digital display indicates the highest pull force that is measured by the accurate load cell/digital processor until the reset switch is pressed.

Consult DMC for more specific information, and application verification.

Product upgrade in progress. Consult DMC for status. NSN:6635-01-581-9996

SPECIFICATIONS FOR THE MPT-250B MOTORIZED WIRE CRIMP PULL TESTER

- Capacity Range 5-250 lbs. (2-113 kg, 22-1112 N)
- Pull Rate: 1 to 10"/min. Push-button Selectable in 1"/min. Increments.
- Pull Rate Accuracy
± 1/8"/min. @ 1-5"/min. Rate of Pull
± 1/4"/min. @ 6-10"/min. Rate of Pull
- Auto-Stop at Wire/Crimp Break Point
- Auto Return to Start Position
- 15 Position Slotted Lower Terminal Grip.
- Display Units in Pounds, Kilograms, or Newtons
- Lb/Kg/Newtons Switching Built in

MPT-250B

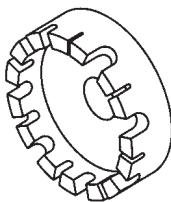
The MPT-250B Motorized Wire Crimp Pull Tester is ideal when a constant rate of pull is desired. It tests crimp strength on terminations up to size 8 in Mil-Spec applications, and size 1/0 AWG in commercial and automotive applications.

MPT-250B Options:

- Ring Terminal Lower Grip
- Universal Self-Tightening Cam-Type Lower Grip
- Adjustable Set-point for Motor Stop at Pre-Set Force.



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P/N 15-3087

15-3087 SLOTTED TERMINAL (LOWER) SLOT DIMENSION

1	.031"	6	.218"	11	.110"
2	.250"	7	.080"	12	.172"
3	.047"	8	.203"	13	.125"
4	.236"	9	.094"	14	.158"
5	.063"	10	.188"	15	.141"

*Size 8 MIL Spec wire pull test is typically 220 pounds force. Sample may not break at 250 pounds.

**May require special grips due to wire diameter.

PT-150H

Wire Crimp Pull Tester

The PT-150H Manual Wire Crimp Pull Tester is ideal for testing crimp strength up to size 10 for Mil-Spec applications*, and size 4 AWG for commercial and automotive applications**. The PT-150H may be used in conjunction with SPC Programs or other Quality Control disciplines in both OEM and maintenance applications. The electronic digital readout display is a fast and reliable source of test data.

The operation of the equipment is simple yet versatile, and DMC will customize the gripping jaws or other components to make test sample installation and removal an easy task.

* Size 10 MIL Spec wire pull test is typically 150 pounds force. Sample may not break at 150 pounds.

** May require special grips due to wire diameter.



STANDARD FEATURES

- Capacity: 150 lb, 667 N, 68 Kg
- Display units factory set for pounds, newtons or kilograms
- Resolution: 0.1 lb
- Accuracy: $\pm 0.5\%$ of full scale
- Digital Display with Peak Hold
- Backlit LCD Display with 0.56" High Digits
- Self-Tightening Wire Grip
- 15 Position Slotted Terminal Contact Grip
- Lever Arm Pull Mechanism

OPTIONAL ACCESSORY GRIPS

- Ring Terminal Grip (P/N 15-0066)
- Self-Tightening Grip (P/N 15-3202)
- Right Angle Terminal Grip (P/N 15-3042)

PHYSICAL

- Weight 15.2 Lbs.
(Shipping Weight 21 Lbs.)
- Stand Dimensions:
H. 5", W. 8.5", D. 16"

CALIBRATION

- New units supplied with certificate of calibration traceable to NIST
- Factory calibration available

OPTIONAL FEATURES

- 230 VAC 50/60 Hz Power (P/N 15-7004)

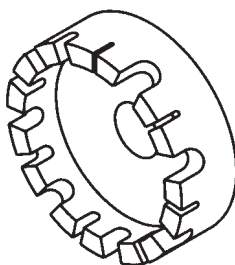
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Custom Grips Available. Consult DMC for details.

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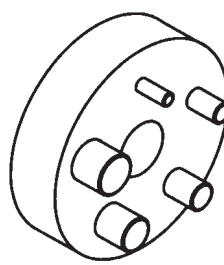
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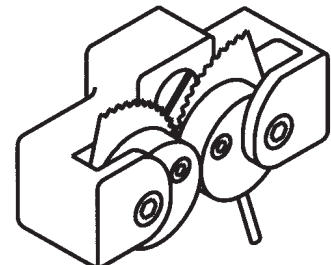


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P/N 15-3202

See disclaimer of liability on page 18.

PT-40XP Low Range Precision Pull Tester



PT-40XP

Now available from DMC, the portable PT-40XP Electronic Manual Tensile Test System is specially designed to test the lower range tensile values from 0.1 to 40 lbs. The **PT-40XP** may be used in conjunction

with SPC Programs or other Quality Control disciplines in both OEM and maintenance applications. The electronic digital readout display is a fast and reliable source of test data. This unit easily accommodates short wire leads (.75" minimum length test sample).

STANDARD FEATURES

- Capacity: 40 lb, 170 N/18.2 KGS
- Display units factory set for pounds, kilograms or newtons
- Resolution: 0.1 lb / 0.1 N
- Accuracy: $\pm 0.5\%$ of full scale
- Digital Display with Peak Hold
- LCD Display with 0.56" High Digits
- Two Self-Tightening Wedge-Grips and One Cam-Grip Assembly
- Precise Screw Pull Mechanism

POWER SPECS

- Built-in NIMH Battery, with Charger
- 14 Hours of Use on a Single Charge
- 100-240 VA Power Adapter with 3 interchangeable plug adapters included

PHYSICAL

- Weight 5.7 lbs.
- Dimensions: Height: 5.9", Width: 11.75", Depth 5.8"

CALIBRATION

- Verify Calibration Anytime
- Factory calibration available
- New units supplied with certificate of calibration traceable to NIST
- In order to maintain NIST traceability, Do Not Exceed 12 Months Between Factory Calibrations

HPT-200 Handheld Portable Pull Tester



HPT-200

The HPT-200 hand held pull tester combines the accuracy and rugged design of the Alphatron pull testers into a portable battery powered unit. We follow that up with our expert factory service and calibration.

The lightweight Alphatron HPT-200 is a self-contained tester that extends your testing capability to the shop floor. You no longer have

to wait for process samples to arrive in the QA Lab. Durable construction and a convenient carry case ensure protection. The Low Stress tensioning mechanism makes the HPT-200 versatile and easy to use.

Standard Features:

P/N HPT-200-230

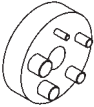
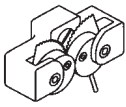
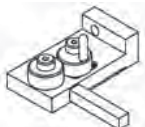
- Portable, lightweight and ergonomic design
- Built-in NIMH battery, with charger
- Up to 14 hour use on a single charge
- Low stress tensioning mechanism
- Protective carrying case
- Shoulder bag (optional)
- Built-in calibration test
- Accuracy: (0.5% of full scale)
- Resolution: (0.1 pounds)
- Display in newtons, or kilograms is available

Specifications:

- Capacity: 200 LBF, 90.7 kg, 889N
- Accuracy: $\pm .5\%$ of full scale
- Resolution: .1 lbf
- Display Type: Digital display w/ peak hold reading
- Display: LCD w/.56 in. high digits
- Electrical: 100-240VAC charging adapter
- 12VDC internal battery
- Operating Temperature: 50°F to 100°F (10° to 38°C)
- Height: 2 in. (5.08 cm) case
- Width: 9.5 in. (24.13 cm) case
- Depth: 6.25 in. (15.87 cm) case
- Weight: 2.5 lbs. (1.21 kg) case and hand unit

A 230 volt unit is available.
P/N HPT-200-230



PART NUMBER COMPATIBLE WITH		CAPACITY	TYPE	APPLICATION
15-3087 MPT-250B PT-150H		250 lbf	Self Tight Lower Grip	Terminal Lugs Machined Contacts
15-0066 MPT-250B PT-150H		250 lbf	Locking Ring Terminal Lower Grip	Ring Terminal Lugs
15-3202 MPT-250B PT-150H		250 lbf	General Purpose Lower Grip	All Wire Terminations
15-3277 MPT-250B PT-150H		250 lbf	Ring Lower Grip	Miniature Contacts
15-3242 MPT-250B PT-150H		100 lbf	Low Tensile Miniature Contact, Lower Grip	Ring Terminals
15-3046 MPT-250B		250 lbf	T-Handle Large Insulation Upper Grip	High Force Wire Grip
15-3040 MPT-250B		250 lbf	Standard Upper Grip	Wire Grip
15-0070 MPT-250B		250 lbf	Short Wire Upper Grip	Short Wire Testing
GF-11 PT-40XP		40 lbf	Standard Contact Grip	Miniature Contacts
PT-40XP-GA1 PT-40XP		40 lbf	Standard Wire Grip	Wire Grip

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.

Wire Standards Pull Test Values

CONDUCTOR SIZE AWG (REFERENCE)		UL 486A CAPACITY (COMMERCIAL STANDARD)	TYPICAL MIL-SPEC* (AS22520, AS7928, ETC)	
Pounds		Newton's	Pounds	Newton's
30	1-1.5	6.7	N/A	N/A
28	2	8.9	N/A	N/A
26	3	13.4	7	31.2
24	5	22.3	10	44.5
22	8	35.6	15	66.8
20	13	57.9	19	84.6
18	20	89.0	38	169.1
16	30	133.5	50	222.5
14	50	222.5	70	311.5
12	70	311.5	110	489.5
10	80	356.0	150	667.5
8	90	400.5	225	1001.3
6	100	445.0	300	1335.0
4	140	623.0	400	1780.0
3	160	712.0	N/A	N/A
2	180	801.0	550	2447.5
1	200	890.0	650	2892.5
1/0	250	1112.5	700	3115.0
2/0	300	1235.0	750	337.5
3/0	350	1557.5	825	3671.3
4/0	450	2202.5	875	3893.8
250 MCM	500	2225.0	N/A	N/A
300 MCM	550	2447.5	N/A	N/A
350 MCM	650	2670.5	N/A	N/A
400 MCM	650	2892.5	N/A	N/A
500 MCM	800	3560.0	N/A	N/A
600 MCM	900	4005.0	N/A	N/A
700-2000	1000	4450.0	N/A	N/A

*This table lists general crimp termination tensile values. For specific information, consult DMC.

DMC does not provide connectors, contacts or wiring components. Parts shown here are for reference only. See disclaimer of liability on page 18.

ST825 Swaging Tool for Cable (wire rope)



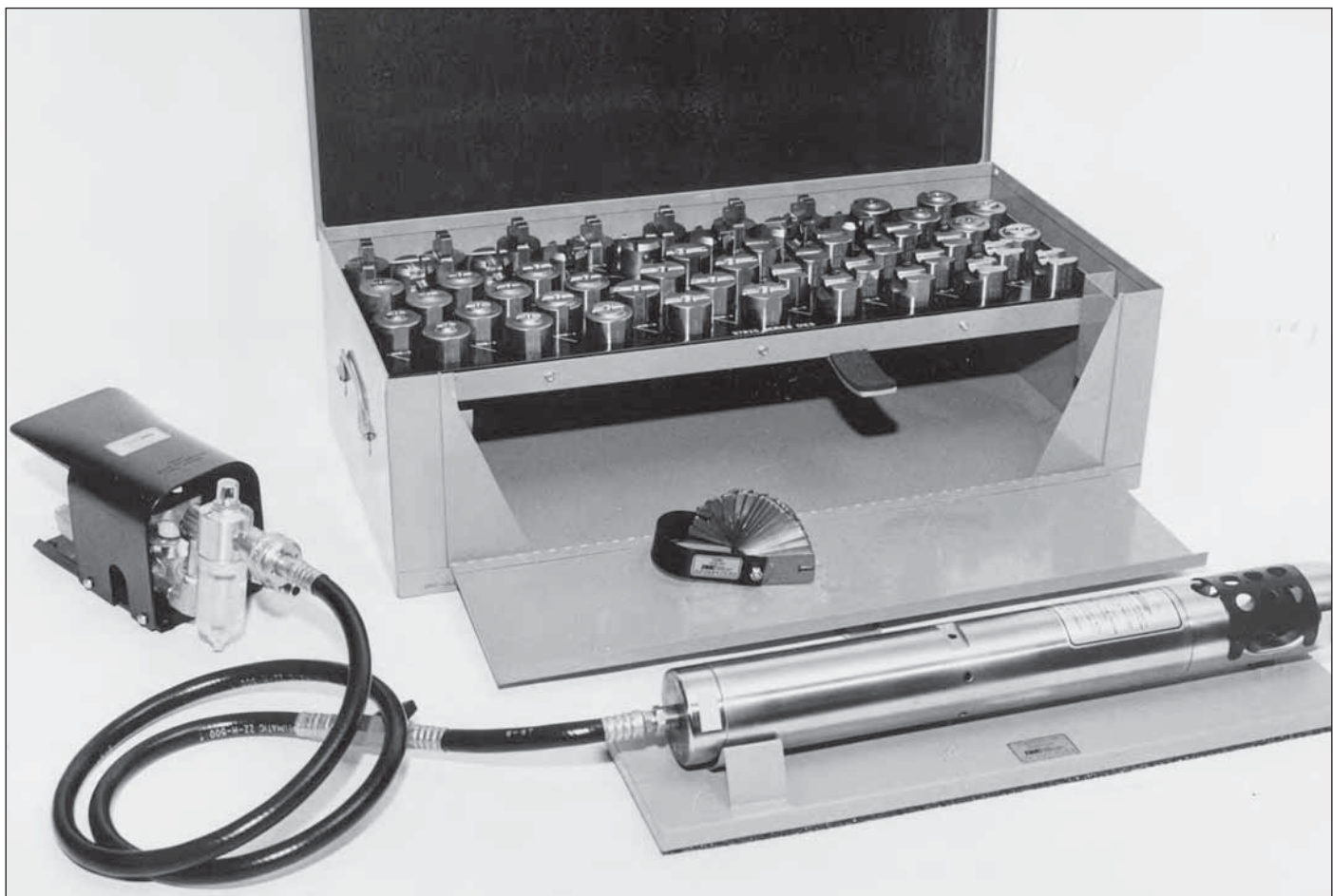
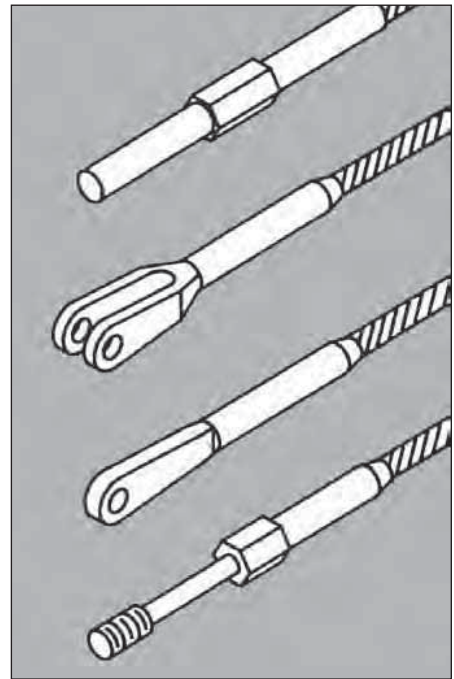
The DMC **ST825** Swaging Tool is used to swage terminals to flexible aircraft cable (usually stainless steel) and is built to meet government specifications. The complete tool consists of a cylinder and yoke assembly that is easily accessible for quick changing of dies, air hose assembly with a shut off valve and a single action foot control valve assembly with lubricator and air filter.

All swaging and cutting dies are of a hardened steel and are polished and heat treated to withstand high impact. Each die is marked to indicate the type and size terminal to be swaged, or cable to be cut.

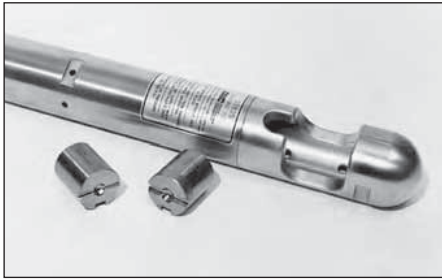
This rugged tool, minus the dies, weighs less than 20 pounds. It operates on standard shop air pressure of 80 to 120 PSI and is designed for hand operation or it can be mounted to cushion base plate for bench top use.

This tool is also offered in the form of a tool kit (P/N **DMC99**). This includes additional items such as a base plate, gages, the complete range of cutting and swaging dies and instruction manual. All packaged in a durable metal carrying case.

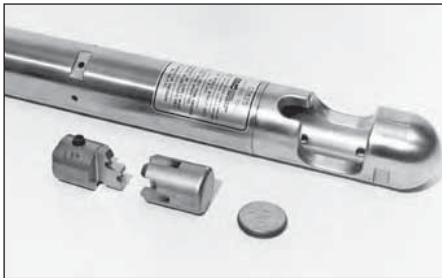
TYPICAL SWAGING APPLICATIONS



ST825 Swaging Tool for Cable (Wire Rope)



ST825 WITH SWAGING DIES



ST825 WITH CUTTING DIES



DMC99 TOOL KIT

The DMC99 TOOL KIT is a custom metal tool kit and carrying case for the Swaging tool and includes additional items such as a base plate, gages, cutting and swaging dies and instruction manual. This tool kit meets federal specification

GGG-S-00825A (GSA-FSS)
NSN 5130-00-712-4855.

**TO BE USED ON MIL-W-83420, MIL-W-87161
AND SPECIFIED WIRES.**

DMC PART NO.	QTY.	TERMINAL REF. (MIL.#)	DESCRIPTION	CABLE DIA.	CROSS REF. ATI P/N
G689	1		GAGE SET		AT5205G
ST825003	1		SPACER		AT520SP-1
ST825SDB-2	2	MS20663-2	SWAGING DIE	1/6"	AT520CDB-2
ST825SDB-3	2	MS20663-3	SWAGING DIE	3/32"	AT520CDB-3
ST825SDB-4	2	MS20663-4	SWAGING DIE	1/8"	AT520CDB-4
ST825SDB-5	2	MS20663-5	SWAGING DIE	5/32"	AT520CDB-5
ST825SDB-6	2	MS20663-6	SWAGING DIE	3/16"	AT520CDB-6
ST825SSB-2-L	1	MS20664-2 (L)	SWAGING DIE , LEFT	1/16"	
ST825SSB-2-R	1	MS20664-2 (R)	SWAGING DIE , RIGHT	1/16"	*AT520CSB-2
ST825SSB-3-L	1	MS20664-3 (L)	SWAGING DIE , LEFT	3/32"	
ST825SSB-3-R	1	MS20664-3 (R)	SWAGING DIE, RIGHT	3/32"	*AT520CSB-3
ST825SSB-4-L	1	MS20664-4 (L)	SWAGING DIE, LEFT	1/8"	
ST825SSB-4-R	1	MS20664-4 (R)	SWAGING DIE, RIGHT	1/8"	* AT520CSB-4
ST825SSB-5-L	1	MS20664-5 (L)	SWAGING DIE , LEFT	5/32"	
ST825SSB-5-R	1	MS20664-5 (R)	SWAGING DIE, RIGHT	5/32"	*AT520CSB-5
ST825SSB-6-L	1	MS20664-6 (L)	SWAGING DIE, LEFT	3/16"	
ST825SSB-6-R	1	MS20664-6 (R)	SWAGING DIE , RIGHT	3/16"	*AT520CSB-6
ST825SB-2	2	BA3-2	SWAGING DIE	1/16"	AT520CB-2
ST825SB-3	2	BA3-3	SWAGING DIE	3/32"	AT520CB-3
ST825SB-4	2	BA3-4	SWAGING DIE	3/32"	AT520CB-4
ST825SL-2	2	** -2	SWAGING DIE	1/16"	AT520CS-2
ST825SL-3	2	** -3	SWAGING DIE	3/32"	AT520CS-3
ST825SL-4	2	** -4	SWAGING DIE	1/8"	AT520CS-4
ST825SL-5	2	** -5	SWAGING DIE	5/32"	AT520CS-5
ST825SL-6	2	** -6	SWAGING DIE	3/16"	AT520CS-6
ST825SL-7	2	** -7 (NOTE)	SWAGING DIE	7/32"	AT520CS-7
ST825SL-8	2	** -8	SWAGING DIE	1/4"	AT520CS-8
ST825CD-2-1	1		CUTTING DIE	1/16"	AT520CD-2
ST825CD-2-2	1		CUTTING PUNCH	1/16"	AT520CP-2
ST825CD-3-1	1		CUTTING DIE	3/32"	AT520CD-3
ST825CD-3-2	1		CUTTING PUNCH	3/32"	AT520CP-3
ST825CD-4-1	1		CUTTING DIE	1/8"	AT520CD-4
ST825CD-4-2	1		CUTTING PUNCH	1/8"	AT520CP-4
ST825CD-5-1	1		CUTTING DIE	5/32"	AT520CD -5
ST825CD-5-2	1		CUTTING PUNCH	5/32"	AT520CP-5
ST825CD-6-1	1		CUTTING DIE	3/16"	AT520CD-6
ST825CD-6-2	1		CUTTING PUNCH	3/16"	AT520CP-6
ST825CD-7-1	1		CUTTING DIE	7/32"	AT520CD-7
ST825CD-7-2	1		CUTTING PUNCH	7/32"	AT520CP-7
ST825CD-8-1	1		CUTTING DIE	1/4"	AT520CD-8
ST825CD-8-2	1		CUTTING PUNCH	1/4"	AT520CP-8

*Sets only

**MS20658, MS20667, MS2160, MS21259

(NOTE) Uses the ST825SL-6 die set for MS20658-7 terminal.

Wiring System Service Kits

HERE IS WHERE DMC'S KNOWLEDGE AND EXPERIENCE PAY OFF!

Building a tool kit to service an entire wiring system involves extensive research to select to correct tooling and ensure all serviceable connectors, terminals, splices and contacts are covered. Technicians who are responsible for the maintenance or production of entire systems cannot be expected to know all the answers, nor do they have the time to do the necessary research or locate tooling. DMC has this knowledge and does the technical research for them.

We apply our decades of connector industry experience and wealth of tooling information into developing the technical data for every Wiring System Service Kit we build.

We design and manufacture a tool kit package which includes:

- 1) All the necessary tooling (crimping tools, dies, heads, installing tools, removal tools, gages, wire strippers for circular and R.F. connectors and more).
- 2) Complete instructions on set up and use of each tool and accessory.
- 3) Valuable tool application data which eliminates guesswork and dangerous trial and error tool selection.



PRODUCTION ASSEMBLY



**STATE OF THE ART
FOAM CUTTING EQUIPMENT**

DMC has built Wiring System Service Kits for over 40 years and already has tool kits designed for most Military Aircraft & Ground Vehicles, Commercial Aircraft, Commuter and Executive Aircraft, Helicopters, as well as for individual Shipboard Systems, Weapons Systems and Avionics Systems. DMC kits have become the standard for wiring system maintenance.

We can assist you with the selection or custom design the right Wiring System Service Kit to meet your individual requirements.

After you have purchased a DMC Wiring System Service Kit, our trained personnel are available with the information and tools you need to keep your kit up-to-date.



EXTENSIVE INVENTORY INVESTMENT

MILITARY STANDARD KITS

These kits are specified by many departments of the government, particularly the Navy and Air Force. They conform to MIL-M-83521, MIL-T-83507, and others. The national stock class code for most of the Military Standard Kits is usually 5120 or 5180.

AIRCRAFT OR SYSTEM KITS

We produce Wiring System Service Kits for a wide range of individual aircraft, families of aircraft, and mixed fleets. We can custom design or alter an existing kit to meet the user's requirements.

Some common aircraft covered are:

Airbus A300, A310, A320, A330, A340, A380
Bell 205, 206, 206L, 212, 412, 430
Boeing 707, 727, 737s, 747s, 757, 767, 777
Bombardier CRJ series, DASH 8s, CL-600 to 604
Cessna Citation I, II, III, IV, V, VI, VII & X
Dassault FALCON 10/100, 20/200, 50/900, 50EX, 900EX & 2000/2000EX
Douglas DC8, DC9 and DC10
Embraer EMB-110, -120, -312, ERJ-135, -145, -170, -190 & Legacy
Eurocopter EC-135, EC-145, BO-105, BK-117
Fokker F50/F100
Gulfstream II, III, IV, V, G550
Hawker Beechcraft 800/800XP, 1900D, King Air 200, 200T, 350
Learjet 25, 31A, 35, 45, 55, & 60
Pilatus PC-12 & PC-7 Trainer
Sikorsky S-76, S-92
And many more...

Contact DMC, or visit our Web site, for a list of Aircraft and Systems covered by DMC Wiring System Service Kits.



GENERAL AVIATION KIT

The DMC1149 General Aviation Kit was developed for, and in conjunction with, organizations involved in the maintenance and outfitting of light commercial, business, and personal aircraft. It has since proven to be well suited for service of many types of other systems.

This basic kit covers the standard power contacts sizes 16, 20, and 22D in the following connector families.

MIL-DTL-24308	MIL-DTL-83723
MIL-DTL-26482	Deutsch DS Series
MIL-DTL-26500	ITT Cannon DPX and
MIL-PRF-38999	DC Series

Also covered are stamped formed contacts used in many general purpose connectors supplied by: AMP, Elco, Winchester, Collins Narco, Bendix, King, Sperry, etc. Plus necessary tooling to cover most common types of RF connectors (i.e. BNC, TNC) using RG/58 and RG/8 coaxial cable. Experience in the field has shown these to be the most common variety. (See technical application tables elsewhere in the catalog for specific descriptions and contact P/N for military designations.)

We cannot guarantee this kit will solve all your connector maintenance problems, but the necessary tooling and information will certainly be at hand for most requirements. (Our engineering department will confirm coverage of your specific requirements.)

The durable steel case provides strength and light weight. The tools are restrained in protective foam cavities.



PRODUCTION (WORK STATION) KITS

DMC work stations are custom designed to fit your production requirements. They can utilize hand tools or pneumatic models. Special holding clamps or work positioners can be included in the container or mounted permanently to the tooling enclosure. Our engineering department can give you details on the best work station for your application.

BACKSHELL ACCESSORY KITS

DMC produces a variety of innovative tools and adaptors which are used when fitting backshell or strain-relief hardware to electrical connectors. (Ask for our BETA Backshell Tooling Guide.) These tools are available in sets according to connector series or in complete system support tool kits. The kits can be individually designed to meet your maintenance or production demands.

Wiring System Service Kits

VALUABLE DATA PACKAGES

THE MAINTENANCE PROBLEM

Today's sophisticated aircraft, defense systems, and avionics electronics have become increasingly more complex. The technician who must maintain these systems cannot possibly be knowledgeable about all the various types of terminations and associated tooling needed to repair the vast number of interconnections which make up these systems.

Once the system becomes inoperative, the pressure to return the system to operation does not permit the luxury of researching the answers to these tooling complexities.

THE MAINTENANCE SOLUTION

Tool Selection Charts DMC does all the necessary research to relieve this pressure and eliminate the guesswork and haphazard, trial-and-error selection of tools by developing detailed Tool Selection Charts to cross reference all the connectors with vital repair tool data. These charts identify the connectors in alpha/numeric order by their military and/or commercial designations; identify the contacts by part number and color code where applicable; list applicable wire sizes; and identify the appropriate crimp tool and associated turret/positioner/die, installing tool and removal tool for wired and unwired contacts where applicable.

Instruction Sheets DMC provides detailed step-by-step directions on how to prepare a tool for use, crimp contacts, install and remove contacts, strip wire, and gauge tools and contacts. Instruction Sheets are also available to meet foreign language or unique special purpose tool requirements.

Contents Charts

These charts offer a visual representation of the storage compartments for all tools in the kit. The Contents Charts list the tools by part number, so the location of all tools and reordering information is immediately available should a component require replacement.



Packaging. DMC then packages these Tool Selection Charts, Contents Charts, and Instruction Sheets with all the crimping tools, turrets, dies, wire strippers, installing tools, removal tools and other accessories necessary to support the system in durable cases tailored to the expected work environment so the tools are properly organized and protected.

With a DMC Wiring System Service Kit, the technician now has ready access to the technical data and tools for reliable, cost-effective Total Wiring System Support.

KIT CONSTRUCTION

FOAM INSERTS

Foam inserts (standard for all DMC kits) provide each component with a designated storage space which is indicated on the Contents Charts. This assures the technician that no needed components are missing prior to departing to make the repair. The technician also knows, prior to leaving the on-site repair, that if a compartment is empty, then a component is missing and must be retrieved. This helps eliminate FOD (Foreign Object Damage) and accountability.



COLORED BASE LAYERS & LABELING (OPTIONAL)

Colored base layers are available to highlight tool cavities and aid with tool tracking. Cavity Labeling is also available to help identify tool cavities and make returning tools to the proper place simpler.



COLORED BASE LAYERS



CALIBRATION, INSPECTION, AND OVERHAUL/REPAIR FOR TOOL KITS

DMC is available to overhaul and repair existing Wiring System Service Kits or periodic inspection & calibration. We'll repair cases when possible and replace or upgrade foam cavities as needed. We inspect & calibrate all tooling and determine if repairs need to be made. We also identify and replace missing tools, charts, & tool instructions. Contract DMC Customer Service for an estimate or more information.



ENVIRONMENTAL PACKAGING

An analysis of the environmental conditions the kit must endure is an absolute necessity.

Our “Portable” kits are designed for on-site field maintenance. Maximum portability and component protection are the controlling design factors for portable kits. They are supplied in a durable case constructed of metal, fiberglass, or ultra-high impact copolymer. A captive restraint mechanism and heavy duty hardware are generally utilized to secure tools within their cavities.



REINFORCED CORNERS (OPTIONAL)

Fiberglass and high-impact copolymer cases are equipped with gaskets to protect against moisture intrusion. Fiberglass cases designated for ground vehicles even have steel reinforced corners.

Our “Roll Around Cabinet” kits are designed for FBO depot-level workshop maintenance. These kits are designed and packaged for security and convenient location of components. Depot-level cabinets are constructed of steel and have built in locks. They are equipped with roller drawer slides and wheels to allow them to roll around the work-shop or hanger, or can be loaded for easy deployment.

Regardless of packaging, all reference charts are laminated for protection against the elements.



CUSTOM SIZES

The tools and technical data can be packaged in various configurations: from a single metal tool box to a few portable cases to a multi-drawer, roll-around cabinet.

The same kit can be reorganized and reconfigured to serve different purposes. A single portable tool kit can be expanded into a larger cabinet by providing cavities for non-wiring related tools, or a single depot-level cabinet can be broken down into multiple portable cases.

Limited Warranty*

LIMITED WARRANTY*

Daniels Manufacturing Corporation warrants each new unit sold by it to be free from defects in material and workmanship under normal use and service. Its obligation under this warranty is limited to the free correction or, at its option, the refund of the purchase price of any such unit which proves defective within ninety (90) days after delivery to the first user, provided that the unit is returned to it with all transportation charges prepaid and which shall appear to its satisfaction, upon inspection by it, to have been defective

in material or workmanship. This warranty shall not cover any damage to such products, which in the opinion of Daniels Manufacturing Corporation, was caused by normal wear, misuse, improper operation or accident.

DANIELS MANUFACTURING CORPORATION IS NOT LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY NATURE OR KIND RESULTING FROM THE USE OF ANY OF ITS PRODUCTS. This warranty is in lieu of all other warranties express or implied. No warranty, express or implied, is made or authorized to be made or assumed with respect to products of Daniels Manufacturing Corporation, other than that herein set forth.

* as defined by PL93-637



ERGONOMICS CHALLENGE

Ergonomic guidelines set for less demanding and mechanically complicated hand tools (such as hammers, wrenches, wire cutters and pliers) cannot be applied to crimping tools which require thousands of pounds of force.

DMC's years of experience as a leader in the crimp tool industry, have confirmed that the most effective ergonomic improvements for workers can be achieved by substituting power assisted crimp tools for existing hand crimp tools wherever feasible. DMC's pneumatic, hydraulic, and battery operated power assisted crimp tools are already supporting OEM Production Line Operations where crimping is being done 24/7.

For hand crimp tools, DMC's ergonomic philosophy is to design the most mechanically efficient hand crimp tool linkage possible and to fit the hand crimp tools with comfortable grips and handle shapes, thereby producing ergonomic hand crimp tools with the same quality, precision and repeatability that have become synonymous with the DMC name.

The solution to the Ergonomics Challenge is to provide power assisted crimp tools for all crimping operations of sufficient volume where the user will see the value of ergonomic benefits.



DMC DANIELS MANUFACTURING CORPORATION[®]

PROUDLY MANUFACTURED IN THE UNITED STATES OF AMERICA



A Veteran-Owned Small Business

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