

GMT1005 Precision Tool for Uninsulated Terminals



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

The **GMT1005** Hand Crimp Tool terminates uninsulated terminals sizes 10 to 22 AWG. This tool is comparable to Tyco Electronics' 49935 hand tool. The rugged construction of this tool assures repeatability and durability.

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 tool versions are available for the GMT1005 tool.

Many other standard OEM applications are covered by the GMT general purpose tool series.

Direct Tool Comparison Summary - GMT 1005 vs Tyco 49935

Average Tensile Test		
	GMT 1005	TE 49935
22 AWG	19.64	19.32
20 AWG	35.42	33.08
18 AWG	53.18	45.64
16 AWG	66.82	65.02
14 AWG	93.56	91.12
12 AWG	159.58	163.02
10 AWG	216.9	215.42

Tool Comparison - Tale of the Tape		
	GMT 1005	TE 49935
Dimensions, Handles Open		
Length	7.25"	10.25"
Hand Span	8.12"	9.25"
Dimensions, Handles Closed		
Length	8.50"	11.25"
Hand Span	2.25"	2.75"
Tool Weight		
Weight	.70 lb	1.00 lb
Maximum Handle Force Required for #10 AWG Crimp		
Force	111 lbs	114 lbs

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Performance comparison of crimped Tyco Electronics terminals, GMT1005 vs Tyco Elec 49935.

#22 - 18 Terminals										GMT1005										Tyco Elec 49935									
Contact Part #	Contact Size	Wire Size	Contact Cracking	Millivolt Drop			Tensile Strength		*WBO **WBC ***W/PO	Contact Cracking	Millivolt Drop			Tensile Strength		*WBO **WBC ***W/PO													
				Test Current	Allow	Actual	Req'd	Actual			Test Current	Allow	Actual	Req'd	Actual														
34112	22-18	22	No	9	1	0	15	19.0	WBO	No	9	1	0	15	19.1	WBO													
34112	22-18	22	No	9	1	0	15	20.0	WBO	No	9	1	0	15	19.3	WBC													
34112	22-18	22	No	9	1	0	15	19.5	WBO	No	9	1	0	15	19.1	WBC													
34112	22-18	22	No	9	1	0	15	19.9	WBO	No	9	1	0	15	19.6	WBC													
34112	22-18	22	No	9	1	0	15	19.8	WBO	No	9	1	0	15	19.5	WBC													
34112	22-18	20	No	11	1	0	19	35.4	WBC	No	11	1	0	19	32.9	WBC													
34112	22-18	20	No	11	1	0	19	35.4	WBO	No	11	1	0	19	32.9	WBC													
34112	22-18	20	No	11	1	0	19	34.7	WBC	No	11	1	0	19	33.4	WBC													
34112	22-18	20	No	11	1	0	19	35.7	WBO	No	11	1	0	19	33.5	WBC													
34112	22-18	20	No	11	1	0	19	35.9	WBC	No	11	1	0	19	32.7	WBC													
34112	22-18	18	No	16	1	0	38	50.0	WBC	No	16	1	0	38	47.1	WBC													
34112	22-18	18	No	16	1	0	38	51.0	WBC	No	16	1	0	38	45.7	WBC													
34112	22-18	18	No	16	1	0	38	63.5	WBC	No	16	1	0	38	45.4	WBC													
34112	22-18	18	No	16	1	0	38	51.0	WBC	No	16	1	0	38	45.4	WBC													
34112	22-18	18	No	16	1	0	38	50.4	WBC	No	16	1	0	38	44.6	WBC													

* Wire Broke Outside, ** Wire Broke at Crimp, *** Wire Pulled Out

Testing conducted with 34112, applicable to all #22-18 SOLISTRAND® terminals & splices except for Flag Tongue Terminals (Reference Catalog # 65505). Dielectric Strength is not an applicable test for uninsulated terminals and splices.

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Performance comparison of crimped Tyco Electronics terminals, GMT1005 vs Tyco Elec 49935.

# 16 - 14 Terminals			GMT1005						Tyco Elec 49935							
Contact Part #	Contact Size	Wire Size	Contact Cracking	Millivolt Drop			Tensile Strength		Contact Cracking	Millivolt Drop			Tensile Strength		*WBO **WBC ***WPO ****RTB	
				Test Current	Allow	Actual	Req'd	Actual		Test Current	Allow	Actual	Req'd	Actual		
320093	16-14	16	No	22	1	0	50	66.9	WBO	No	22	1	0	50	66.3	WBC
320093	16-14	16	No	22	1	0	50	66.8	WBO	No	22	1	0	50	65.7	WBC
320093	16-14	16	No	22	1	0	50	66.8	WBO	No	22	1	0	50	63.5	WBC
320093	16-14	16	No	22	1	0	50	66.8	WBO	No	22	1	0	50	63.4	WBC
320093	16-14	16	No	22	1	0	50	66.8	WBO	No	22	1	0	50	66.2	WBC
320093	16-14	14	No	32	1	0	70	94.1	WBC	No	32	1	0	70	93.2	WBC
320093	16-14	14	No	32	1	0	70	93.3	RTB	No	32	1	0	70	91.5	WBC
320093	16-14	14	No	32	1	0	70	93.3	RTB	No	32	1	0	70	90.8	WBC
320093	16-14	14	No	32	1	0	70	93.9	RTB	No	32	1	0	70	90.5	WBC
320093	16-14	14	No	32	1	0	70	93.2	RTB	No	32	1	0	70	89.6	WBC

* Wire Broke Outside, ** Wire Broke at Crimp, *** Wire Pulled Out, **** Ring Terminal Broke

Testing conducted with 320093, applicable to all #16-14 SOLISTRAND® terminals & splices except for Flag Tongue Terminals (Reference Catalog # 65505). Dielectric Strength is not an applicable test for uninsulated terminals and splices.

Performance comparison of crimped Tyco Electronics terminals, GMT1005 vs Tyco Elec 49935.

#12-10 Terminals			GMT1005						Tyco Elec 49935							
Contact Part #	Contact Size	Wire Size	Contact Cracking	Millivolt Drop			Tensile Strength		Contact Cracking	Millivolt Drop			Tensile Strength		*WBO **WBC ***WPO ****RTB	
				Test Current	Allow	Actual	Req'd	Actual		Test Current	Allow	Actual	Req'd	Actual		
33220	12-10	12	No	41	1	0	110	154.8	WBO	No	41	1	0	110	157.8	WBC
33220	12-10	12	No	41	1	0	110	166.5	WBO	No	41	1	0	110	170	WBC
33220	12-10	12	No	41	1	0	110	158.8	WBO	No	41	1	0	110	157	WBC
33220	12-10	12	No	41	1	0	110	156.3	WBO	No	41	1	0	110	166.2	WBC
33220	12-10	12	No	41	1	0	110	161.5	WBO	No	41	1	0	110	164.1	WBC
33220	12-10	10	No	55	1	0	150	215.9	RTB	No	55	1	0	150	212.7	WBC
33220	12-10	10	No	55	1	0	150	216.2	RTB	No	55	1	0	150	217	RTB
33220	12-10	10	No	55	1	0	150	217.8	RTB	No	55	1	0	150	214.9	WBC
33220	12-10	10	No	55	1	0	150	218.9	RTB	No	55	1	0	150	214.9	RTB
33220	12-10	10	No	55	1	0	150	215.7	RTB	No	55	1	0	150	217.6	RTB

* Wire Broke Outside, ** Wire Broke at Crimp, *** Wire Pulled Out, **** Ring Terminal Broke

Testing conducted with 33220, applicable to all #12-10 SOLISTRAND® terminals & splices except for Flag Tongue Terminals (Reference Catalog # 65505). Dielectric Strength is not an applicable test for uninsulated terminals and splices.

GMT1005 Precision Tool for Uninsulated Terminals

GMT Tool Series Part Numbers				
Hand Tool P/N	Battery Tool P/N	Remote Head Battery Tool P/N	Pneumatic Tool P/N	APPLICATION / DESCRIPTION
GMT201	GMTEB201	GMTE201-R	PMT201	Molex .093" Dia Standard Pin & Socket Terminals, Clapscon Series
GMT202	GMTEB202	GMTE202-R	PMT202	Molex .062" Dia Standard Pin & Socket Terminals, KK, Flat Blade, Pitch Crimp
GMT203	GMTEB203	GMTE203-R	PMT203	Molex .156" KK Trifurcon Series
GMT204	GMTEB204	GMTE204-R	PMT204	Molex .093" Dia Clapscon Series
GMT206	GMTEB206	GMTE206-R	PMT206	ITT Cannon Zif Connector, Series DL
GMT208	GMTEB208	GMTE208-R	PMT208	Tyco Multimate Type III+ Series
GMT209	GMTEB209	GMTE209-R	PMT209	Elco 60-8017-0313
GMT211	GMTEB211	GMTE211-R	PMT211	Tyco PCB Terminals and Disconnects, .058" Dia
GMT220	GMTEB220	GMTE220-R	PMT220	Tyco Type XI Contacts
GMT221	GMTEB221	GMTE221-R	PMT221	Rockwell Collins Thin-Line I & II
GMT225	GMTEB225	GMTE225-R	PMT225	Tyco AMPMODU Series Type MOD IV Contacts
GMT226	GMTEB226	GMTE226-R	PMT226	Tyco Amplimite Series, Size 20DF
GMT230	GMTEB230	GMTE230-R	PMT230	Tyco AMPMODU Series Type IV, IV1/2 & V Contacts
GMT232	GMTEB232	GMTE232-R	PMT232	M22520/37-01 tool for M81824/1-X Splices Tyco (Raychem) "Mini-Seal" Environmental Splices (26-20, 20-16, 16-12)
GMT241	GMTEB241	GMTE241-R	PMT241	Tyco CPC Series, Size 20DF Contacts
GMT245	GMTEB245	GMTE245-R	PMT245	Tyco Mate-N-Lok Series 60620-() and 60619-()
GMT247	GMTEB247	GMTE247-R	PMT247	ITT Cannon D-Sub Economy Standard Size 20
GMT248	GMTEB248	GMTE248-R	PMT248	Comparable to Pyle-National TP-201389 (w/ Cutter)
GMT260	GMTEB260	GMTE260-R	PMT260	ITT Cannon DL Series ZIF Contacts, CCT-DL-3
GMT262	GMTEB262	GMTE262-R	PMT262	Tyco Amp-TAB Series 66168, 66143, 66169, 66144
GMT263	GMTEB263	GMTE263-R	PMT263	Teradyne 600-0026-000 I/O Series Contacts
GMT277	GMTEB277	GMTE277-R	PMT277	M22520/38-01 for MS20659 Uninsulated Ring terminals size 22 through 10 and MS25486 external power plug socket contact size 12
GMT286	GMTEB286	GMTE286-R	PMT286	Tyco Contact 925576
GMT295	GMTEB295	GMTE295-R	PMT295	Tyco Locking Clip Contact 87165
GMT302	GMTEB302	GMTE302-R	PMT302	ITT Cannon CCT-UBC
GMT309	GMTEB309	GMTE309-R	PMT309	Amp Tyco tool 144969-2
GMT1005	GMTEB1005	GMTE1005-R	PMT1005	Uninsulated Terminals (Tyco Tool 49935)
GMT1090	GMTEB1090	GMTE1090-R	PMT1090	Tyco Cold Applied Environmental Splice (26-20, 20-16, 16-12)

Custom tools are available. Consult DMC for details.



**GMTEBxxx
Battery Tool**



**GMTExxx-R
Battery Tool**



**PMTxxx
Pneumatic Tool**