Specification Details: **Date: 3/7/2013**

Specification: MIL-DTL-6193
Title: Joints, Universal, Plain, Light and Heavy Duty
Federal Supply Class (FSC): 3010
Conventional: Yes
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: No
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No
Weibull Graded: No
Specification contains space level reliability requirements: No
Specification allows test optimization: No

Contact Information:

Office of Primary Involvement: Electronic Devices Branch, DLA Land and Maritime - VQE
Primary Qualifying Activity Contact: 614-692-0625, e-mail: vqe.rp@dla.mil
Secondary Qualifying Activity Contact: 614-692-0627, e-mail: vqe.ls@dla.mil

Notes:

PIN: The PIN consists of the letters MS, the basic specification number, a dash, a letter for type, a number for size, a letter for lubrication cover, and a letter for the plating.

Part Configuration:

MS20270A8Z

MS prefix	Basic Specification Number and Class	Type	Size	Plating
MS	20270	A	8	Z

PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
MS20270 Joint - Universal Plain, Light Duty			
MS20270B6Z	270B6Z		Apex Tool Group, LLC
MS20270B6	270B6	AMC Memo Report MCREXA 7-4535-10-17 15 Sept 1950; DD Form 1950, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20270B8Z	270B8Z		Apex Tool Group, LLC
MS20270B8	270B8	AMC Memo Report, MCREXA 7-4535-10-17, 15 Sept 1950; DD Form 1950, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20270B10Z	270B10Z		Apex Tool Group, LLC
MS20270B10	270B10	AMC Memo Report, MCREXA 7-4535-10-17, 15 Sept 1950; DD Form 1950, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20270B12Z	270B12Z		Apex Tool Group, LLC
MS20270B12	270B12	AMC Memo Report, MCREXA 7-4535-10-17, 15 Sept 1950; DD Form 1950, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20270B14Z	270B14Z		Apex Tool Group, LLC
MS20270B14	270B14	AMC Memo Report, MCREXA 7-4535-10-17, 15 Sept 1950; DD Form 1950, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20270B16Z	270B16Z		Apex Tool Group, LLC
MS20270B16	270B16	AMC Memo Report, MCREXA 7-4535-10-17, 15 Sept 1950; DD Form 1950, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20270B20Z	270B20Z		Apex Tool Group, LLC
MS20270B20	270B20	AMC Memo Report, MCREXA 7-4535-10-17, 15 Sept 1950; DD Form 1950, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20270B14Z	270B24Z		Apex Tool Group, LLC
MS20270B24	270B24	AMC Memo Report, MCREXA 7-4535-10-17, 15 Sept 1950; DD Form 1950, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20270B6	MS20270B6	DSCC-VQ (VQE-07-13879)	Belden, Inc.
MS20270B6Z	MS20270B6Z	DSCC-VQ (VQE-10-019240)	Belden, Inc.
MS20271 Joint - Universal, Plain, Heavy Duty			
MS20271B6Z	271B6Z		Apex Tool Group, LLC

PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
MS20271B6	271B6	AMC Memo Report, MCREXA 7-4535-1017, 15 Sep 1950; DD Form 1718, Cert of Qual Prod; SA-ALC/MMEDO, J Jan 1978	Apex Tool Group, LLC
MS20271B8Z	271B8Z		Apex Tool Group, LLC
MS20271B8	271B8	AMC Memo Report, MCREXA 7-4535-1017, 15 Sep 1950; DD Form 1718, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20271B10Z	271B10Z		Apex Tool Group, LLC
MS20271B10	271B10	AMC Memo Report, MCREXA 7-4535-1017, 15 Sep 1950; DD Form 1718, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20271B12Z	271B12Z		Apex Tool Group, LLC
MS20271B12	271B12	AMC Memo Report, MCREXA 7-4535-1017, 15 Sep 1950; DDk Form 1718, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20271B14Z	27114Z		Apex Tool Group, LLC
MS20271B14	271B14	AMC Memo Report, MCREXA 7-4535-1017, 15 Sep 1950; DD Form 1718, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20271B16Z	271B16Z		Apex Tool Group, LLC
MS20271B16	271B16	AMC Memo Report, MCREXA 7-4535-1017, 15 Sep 1950; DD Form 1718, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20271B20Z	271B20Z		Apex Tool Group, LLC
MS20271B20	271B20	AMC Memo Report, MCREXA 7-4535-1017, 15 Sep 1950; DD Form 1718, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20271B24Z	271B24Z		Apex Tool Group, LLC
MS20271B24	271B24	AMC Memo Report, MCREXA 7-4535-1017, 15 Sep 1950; DDk Form 1718, Cert of Qual Prod; SA-ALC/MMEDO, 4 Jan 1978	Apex Tool Group, LLC
MS20271B8	MS20271B8	DSCC-VQ (VQE-07-13879)	Belden, Inc.
MS20271B8Z	MS20271B8Z	DSCC-VQ (VQE-10-019240)	Belden, Inc.
MS20271B10	MS20271B10	DSCC-VQ (VQE-07-13879)	Belden, Inc.
MS20271B10Z	MS20271B10Z	DSCC-VQ (VQE-10-019240)	Belden, Inc.
MS20271B12	MS20271B12	DSCC-VQ (VQE-07-13879)	Belden, Inc.
MS20271B12Z	MS20271B12Z	DSCC-VQ (VQE-10-019240)	Belden, Inc.
MS20271B14	MS20271B14	DSCC-VQ (VQE-07-13879)	Belden, Inc.
MS20271B14Z	MS20271B14Z	DSCC-VQ (VQE-10-019240)	Belden, Inc.
MS20271B20	MS20271B20	DSCC-VQ (VQE-07-13879)	Belden, Inc.
MS20271B20Z	MS20271B20Z	DSCC-VQ (VQE-10-019240)	Belden, Inc.
MS20271B24	MS20271B24		Belden, Inc.
MS20271B24Z	MS20271B24Z	DSCC-VQ (VQE-10-019240)	Belden, Inc.

Manufacturer and Supplier Location Information

Manufacturer: Apex Tool Group, LLC (CAGE Code: 03705)
Location: 762 West Stewart Street, Dayton, OH 45417-3971, US

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Belden, Inc. (CAGE Code: 1R6X2)
Location: 2500 Braga Drive, Broadview, IL 60155-3989, US

Plants:

1. Plant: Same Address as Manufacturer