Specification Details: **Date: 5/2/2017**

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			
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
MS20270B6Z	270B6Z	VQE-13-025944	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
MS20270B8Z	270B8Z	VQE-13-025944	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
MS20270B10Z	270B10Z	VQE-13-025944	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
MS20270B12Z	270B12Z	VQE-13-025944	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
MS20270B14Z	270B14Z	VQE-13-025944	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
MS20270B16Z	270B16Z	VQE-13-025944	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
MS20270B20Z	270B20Z	VQE-13-025944	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
MS20270B14Z	270B24Z	VQE-13-025944	Apex Tool Group, LLC
MS20270B6	MS20270B6	DSCC-VQ (VQE-07-13879)	Belden, Inc.
MS20270 Joint - Universal, Plain, Light Duty			
MS20270B6Z	MS20270B6Z	DSCC-VQ (VQE-10-019240)	Belden, Inc.
MS20270B14Z	MS20270B14Z	VQ (VQE-17-031352)	Belden, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
MS20270B14	MS20270B14	VQ (VQE-17-031352)	Belden, Inc.
MS20271 Joint - Universal, Plain, Heavy Duty			
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
MS20271B6Z	271B6Z	VQE-13-025944	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
MS20271B8Z	271B8Z	VQE-13-025944	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
MS20271B10Z	271B10Z	VQE-13-025944	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
MS20271B12Z	271B12Z	VQE-13-025944	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
MS20271B14Z	27114Z	VQE-13-025944	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
MS20271B16Z	271B16Z	VQE-13-025944	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
MS20271B20Z	271B20Z	VQE-13-025944	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
MS20271B24Z	271B24Z	VQE-13-025944	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