

DEPARTMENT OF THE ARMY SUPPLY CATALOG

ORD 9 SNL G-205

GROUP G

LIST OF ALL SERVICE PARTS

OF

TANK, MEDIUM M4A3, 76-MM GUN

Supersedes that portion of ORD 9 SNL G-104, Vol 15 (Includes SNL G-204 and G-205) 1 November 1945, including G 1, 10 September 1948 pertaining to ORD 9 SNL G-205

Ref: TM 9-1731B

THIS CATALOG IS CORRECT TO 21 FEBRUARY 1952

DEPARTMENT OF THE ARMY

JUNE 1952

RESTRICTED Security Information

DEPARTMENT OF THE ARMY

WASHINGTON 25, D. C., 26 June 1952

Department of the Army Supply Catalog ORD 9 SNL G-205 is published for the information and guidance of all concerned.

[AG 461 (7 Mar 52)]

BY ORDER OF THE SECRETARY OF THE ARMY:

OFFICIAL:

WM. E. BERGIN Major General, USA The Adjutant General J. LAWTON COLLINS Chief of Staff, United States Army

Page

DISTRIBUTION:

Active Army: Tech Svc (1); Tech Svc Bd (2); AFF (2); AA Comd (2); OS Maj Comd (10); Base Comd (2); MDW (3); Log Comd (5); A (20); CHQ (2); Div (2); Regt 9 (2); Bn 9 (2); CO 9 (2); FT (2); Sch (5) except 9 (50); PMS&T 9 (2); Gen Dep (2); Dep 9 (10); POE (5), OSD (2); PRGR 9 (10); Ars 9 (10); Proc Dist 9 (10); Mil Dist (3).

NG: Same as Active Army except one copy to each unit.

DRC: Same as Active Army except one copy to each unit.

For explanation of distribution formula, see SR 310-90-1.

CONTENTS

TNUDODIC	TION	1
GROUP 01	Engine	
GROOP 01 02	Clutch	
02	Fuel system	
03		
04	Exhaust system	
05	Cooling system	
06	Electrical system	
07	Transmission asseembly	
09	Propeller shaft	
10	Differential and final drive	
13	Tracks and suspension	453
14	Controls	
15	Towing attachments.	
16	Shock absorbers	
17	Fenders and sand shields	
18	Hult	
19	Turret	
21	Guards (exterior)	
22	Miscellaneous accessories	
24		
29		
ALPHARE	TICAL INDEX.	
ORDNANC	E AND MANUFACTURERS' PART NUMBER INDEX	787
	IMBER INDEX	
NYOOR NO		

MAJOR ITEM

The Tank, medium, M4A3, 76-mm gun is stored issued and reviewed under ORD 3 SNL G-1. This item is nonexpendable.

RESTRICTED Security Information

INTRODUCTION

1. GENERAL. a. This catalog is a list of items of the 76-mm gun medium tank M4A3 arranged according to standard government grouping.

Note. Many of the parts listed herein are not stocked for issue. See ORD 7 and ORD 8 sections of this catalog for listings of those parts stocked and authorized for issue to the various levels of maintenance. When parts not listed in the ORD 8 are needed, separate requisition for these parts should be forwarded through normal supply channels with justification therefor.

b. For prices of items contained herein, see the appropriate catalog of ORD 5-3 series.

c. This list of all service parts is to be used for identification and storage purposes. Every individual part is not necessarily stored by itself; many parts are stored as authorized assemblies. Such assemblies are indicated herein. The components of such assemblies are listed alphabetically within the group, with the total quantity of each part required for that particular application.

d. Explanation of reference symbols used throughout this catalog are included under heading NOTES.

e. Additional application of items listed in this catalog, if any, are contained in Department of the Army Supply Catalog ORD 5-5 series.

f. Classification codes for Federal stock numbers listed herein are published in ORD 5-2.

g. For full information relative to the Ordnance section of the Department of the Army Supply Catalog, including the purposes and uses, the procedure followed, and the principles employed in its compilation, see ORD 1.

2. MAJOR ITEM DESIGNATION. The major item covered in this catalog is designated as combat vehicle as defined in AR 700-105.

3. PUBLICATIONS PERTAINING TO THIS VEHICLE. The following technical manuals pertain to this vehicle and components thereof: TM 9-759, TM 9-1731B, TM 9-1731G, TM 9-1731K, TM 9-1750A, TM 9-1750B, TM 9-1750K, TM 9-1825A, TM 9-1825B, TM 9-1826B, TM 9-1828A and TM 9-1829A.

4. INTERCHANGEABILITY OF COMPONENTS. a. The major components of this vehicle are interchangeable with those same components as used in other vehicles based on the M4 series medium tank chassis.

b. Several parts and accessories of the Ford GAA engine are interchangeable with corresponding parts of the Ford GAF and GAN engines.

c. Several parts of the turret traversing mechanism are interchangeable with the corresponding parts of the M4 series of medium tanks.

5. SMALL NUMBER LOCATIONS. Serial numbers for this vehicle are located as follows:

Complete vehicle	Stamped on name plate located on the lower left hull
	sponson plate just below the instrument panel.
Auxiliary Generator	Stamped on name plate located on flywheel housing.
Battery	Stamped on battery top cell connector.
Compass	Stamped on right side of support bracket.
Engine	Stamped on name plate located on cylinder block, mag- neto end of engine.
Engine Air Cleaner	Stamped on name plate located on the air cleaner body.

RESTRICTED Security Information

© PAPERPRINT.	
Engine Carburetor	Stamped on name plate located on top of the carburetor bowl.
Engine Oil Filter	Stamped on name plate located on oil filter housing.
Fire Extinguisher Control	Stamped on name plate located on face of housing.
Generator	Stamped on name plate located on generator housing.
Generator Regulator	Stamped on name plate located on the regulator cover.
Mangeto (Engine)	Stamped on name plate located on top of magneto housing.
Power Train	Stamped on housing located to the left of assistant driver near the center and top slope of the power train.
Starter (Engine)	Stamped on name plate located on starter housing.
Suspension	Stamped on top of main casting.
Turret Traversing Electric Motor	Stamped on name plate located on motor housing.
Turret Traversing Hydraulic Motor	Stamped on name plate located on top of housing.
Turret Traversing Hydraulic Oil Pump	Stamped on name plate located on the end of housing.
Turret Traversing Mechanism (Hand)	Stamped on name plate located on outside of top of gear housing.

6. ILLUSTRATIONS. This catalog contains various illustrations to aid the user in locating and identifying parts. These are placed before each group to be convenient for reference in connection with the text for that group. For each part identified on an illustration, the noun, part number, and group number of the item are given. The prefix portion of the figure number indicates the group to which it pertains; the suffix indicates the sequence number within that group (i. e., figure 01-29 signifies illustration number 29 in group 01).

7. DEFINITION OF LOCATIONAL TERMS. a. All like parts on the vehicle which are not interchangeable are designated "*Left* and *Right*" with respect to their position in the vehicle when viewed from the rear forward. The engine end of the vehicle is considered the rear end.

b. The engine is mounted with the flywheel and clutch end toward the front of the vehicle. Like engine parts, such as cylinder heads, are designated "Left and Right" with respect to the position of the engine in the vehicle. When the engine is removed for servicing this fact must be remembered as it is exactly the reverse to the normal "Left and Right" designation of engine parts in other vehicles.

8. NOMENCLATURE. *a.* Items appearing within a subgroup that lists components of and/or items related to only *one* assembly or subassembly automatically assume as part of their official nomenclature the title of the pertinent subgroup. (Example: "SEAL, housing" is an entry in subgroup 0504. The complete nomenclature of the item is "SEAL, engine water pump housing," "ENGINE WATER PUMP" being the subgroup title.)

b. Items appearing within a subgroup that lists more than one assembly or more than one group of related items are listed with their complete nomenclature. (Example: "CLAMP, locking, towing cable" is an entry in subgroup 1503.2. The complete nomenclature of the item is as shown, while the title of the subgroup is "TOWING HOOK, LOCK AND LUNETTE.")

9. COMPONENTS OF KITS, SETS, AND ASSEMBLIES. Whenever any doubt might exist as to what items are included as components of assemblies, or sets, an explanatory note or a complete listing of such component parts is given.

10. ATTACHING PARTS. Attaching parts such as bolts, nuts, rivets, washers, etc., are indented immediately under the item which they attach. Attaching parts for any attached item not procured will be found listed under their proper alphabetical listing in the appropriate group; but they will not be indented. Whenever two or more similar items having the same attaching parts such as front and rear oil seal retainers, are listed, they are placed one immediately following the other and the attaching parts for both are covered by a single listing under the second item. 11: ARMAMENT, SIGHTING, AND FIRE-CONTROL EQUIPMENT. The following is a list of armament, sighting, and fire control equipment pertinent to this major item. For parts, see the ORD 9 catalog indicated:

SNL No. A	rmament
C-641	GUN, 76-mm, M1A2
	or
C–64	
	GUN, machine, cal30, Browning, M1919A4, flexible
	GUN, machine, cal50, Browning, M2, HB, flexible
C-641	MOUNT, combination gun, M62
A-55, Sec. 381	MOUNT, machine gun, AA, cal50 (6580030)
A-55, Sec. 421	MOUNT, machine gun, cal30 (D82255B)
A–61	MOUNT, tripod, machine gun, cal30, M2
s	ighting and Fire Control
F-205	LIGHT, aiming post, M14, green filter
	LIGHT, aiming post, M14, red filter
F–2941	
	MOUNT, periscope, T116, w/e
	and .
F–2351	PERISCOPE, M106, w/e
	and
F-235, Vol. 31	PERISCOPE, M8A1, w/TELESCOPE, M39A2, w/e
	or
	PERISCOPE, M4A1, w/TELESCOPE, M47A2, w/e
F–235, Vol. 51	2 PERISCOPE, M13 (6 are spare)
	or
F–2 35, Vol. 5	PERISCOPE, M13B1 (6 or spare)
	PERISCOPE, M6, w/spare head (6 are spare)
F-351	
	QUADRANT, elevation, M9, w/e
	QUADRANT, gunner's, M1, w/e
F-3571	SETTER, fuze, M27 (wrench)
1 ت	or SETTER, fuze, M14 (wrench)
$F = 1 \dots F = 1$ $F = 235 \dots 1$	
r -4001	Or
F–235, Vol. 10	
1 -400, ¥01. 10	

12. HOW TO FIND PARTS. This catalog is arranged and cross-indexed so that parts can be found easily even though only one of the several identifying factors is known. The various ways in which parts can be located are as follows:

a. If only the nomenclature (basic noun-name) is known, and the subgroup is not, refer to the alphabetical index in the back of the catalog. This index will give the subgroup in which the part is listed. As the part names are arranged in alphabetical order within this subgroup, the complete listing of the part can readily be found.

b. If any one of the numbers—ordnance number, stock number, or manufacturer's number is known, refer to the appropriate numerical index in the back of the catalog. This index will give the subgroup number in which the part will be found.

c. If the shape, use, function, or location of the part is known, refer to illustrations in which the part is likely to appear until a picture of the part is found. The arrow pointing to the part will lead out to a listing of the name, part number, and subgroup number, which will permit locating the complete listing of the part.

13. STANDARD GOVERNMENT GROUPING. The parts listed in this catalog are arranged by groups and subgroups and alphabetically within these groups. Parts are grouped primarily on the basis of their function rather than location. This arrangement facilitates identification and selection of parts. Refer to paragraph 12, "HOW TO FIND PARTS."

01 — ENGINE			
0100	Engine Assembly	0505.2	Radiator Fan Drive Propeller Shaft
0101	Cylinder Block, Head, and Sleeve		(Spicer)
0102	Crankshaft and Bearings	0505.25	Radiator Fan Drive Propeller Shaft
0103	Flywheel and Ring Gear		(Universal Products)
0104	Pistons, Rings, Connecting Rods, and Bearings	0505.3	Radiator Fan Drive and Fan Drive Pul- leys
0105.1	Valves, Springs, and Inserts	06 — ELECTRICAL	SYSTEM
0105.2	Valve Tappets	0601.11	Generator (Auto-Lite AL-GFR4804)
0105.3	Camshaft, Bearings, and Tachometer Drive	0001.11	(Optional with Delco Remy Generator DR-1117309)
0105.4	Camshaft Drive (Upper)	0601.15	Generator (Delco Remy DR-1117309)
0106.1 0106.2	Oil Pumps and Strainers Oil Filter		(Optional with Auto-Lite Generator
0106.3	Oil Cooler		AL-GFR4804)
0106.4	Oil Pressure Relief and By-Pass Valves	0601.2	Generator Mounting Bracket, Cradle, and
0106.5	Crankcase Breather and Filler		Related Parts
0106.6	Oil Pan, Oil Lines, Level Gages, and	0602	Generator Regulator
	Sending Units	0603.1	Starter
0108 .	Intake and Exhaust Manifolds	0603.2	Starter Relay Switch
0109	Accessory Drive	0604.11	Magneto
69 CI IITCU		0604.15	Magneto Governor
02 — CLUTCH		0605	Spark Plugs and Ignition Wiring
0200	Clutch Assembly, Housing, and Covers	0607	Instrument Panel
0201	Clutch Main Shaft, Plates, Disk, Pilot	0608.1	Switch Boxes, Terminal Boxes, Circuit
0000	Bearings, and Springs	0608.2	Breakers, Resistors and Switches Turret Control and Switch Boxes
0202	Clutch Release Fork, Shaft, and Bearings	0608.2	Head, Marker, and Tail Lights
03 — FUEL SYST	EM	0609.2	Dome Lights
0301.1	Carburetor	0609.3	Turret Spot Light and Switches
0301.2	Carburetor Adapter and Tubes	0611	Horn and Switch
030 2	Fuel Pump	0612	Battery, Battery Box, Cables, Damper,
0304.1	Air Cleaner (Donaldson Model		and Controls
	DN A1122) (Optional w/Vortox Model	0613.1	Hull Wiring.
	VR-4190)	0613.2	Turret Wiring
0304.2	Air Cleaner (Vortox Model VR-4190)	0614	Turret Slip Ring Box and Parts
	(Optional w/Donaldson Model DN-1122)	0616	Hull and Turret Ventilating Blowers
0304.3	Air Cleaner Mounting Bracket, Cradle,	07 — TRANSMISS	
00001	Air Ducts, and Control Rods	0700	Transmission Assembly
0306.1 0306.2	Fuel Tanks and Fuel Level Gages Fuel Lines and Fittings	0701	Transmission Case, Covers, Gaskets, Caps, and Plugs
$0306.3 \\ 0306.4$	Fuel Tank Filler Neck and Filler Cap Fuel Shut-off, Valves and Controls	0702.1	Transmission Input Shaft, Bearings,
0308	Governor and Controls		Cones, Flange, Gears, Spacers, and
0309	Fuel Filters		Synchronizer
0311	Fuel Priming System and Lines	0702.3	Transmission Output Shaft, Bearings,
04 — EXHAUST S			Collars, Cones, Gears, Spacers, and Synchronizer
0401	Exhaust Collector, Deflectors, Elbows, Muffler, and Pipes	0702.5	Transmission Countershaft, Idler Shaft, Gears, and Bearings
		0704	Transmission Gear Shifting Forks,
05 — COOLING S	YSTEM		Brackets, Seals, Shafts, and Sleeves
0501	Radiator, Radiator support, and Tanks	0706.1	Transmission Oil Pump and Relief Valve
0502	Radiator Shrouds and Baffles	0706.5	Transmission Oil Cooler and Cooler
0503	Radiator Clamps, Connectors, Fittings, Hose, Manifolds, Thermostat Lines,		Guard
	and Sending Units	0706.7	Transmission Breather
0504 0505.1	Engine Water Pump Radiator Fan Drive and Oil Level Gage	0706.9	Transmission Oil Lines, Connections, Level Gage, and Sending Unit

09 --- PROPELLER SHAFT

0900 Propeller Shaft, Universal Joints, and Yokes

10 — DIFFERENTIAL AND FINAL DRIVE

1000	Differential	and	Final	Drive	Assembly
------	--------------	-----	-------	-------	----------

- 1001 Differential Covers, Gaskets, Housing, Plugs, and Seals
- Differential Bearings, Carrier, Case, 1002 Gears, Pinions, Shafts, and Balancing Unit
- 1004 Differential Steering Brakes
- 1005.5Differential Housing Breather
- 1005.6 Differential Oil Sump, Lines, Fittings, and Screens
- 1008.1 Final Drive Assembly
- Final Drive Bearings, Covers, Gears, 1008.2Pinions, and Shafts

13 — TRACKS AND SUSPENSION

- 1301.1 Volute Suspension Assembly and Parts (Horizontal Type)
- 1301.5 Volute Suspension Assembly and Parts (Vertical Type)
- 1302.1Track Support Roller (Horizontal Suspension, Single Track Type (10 in))
- 1302.2 Track Support Roller (Horizontal Suspension, Dual Track Type (13¹/₂ in))
- 1302.5 Track Support Rollers and Parts (Verti-Type)
- Track Rear Idlers (Horizontal Suspen-1303.1 sion, Dual Track Type)
- Track Idlers and Parts (Vertical and 1303.5 Horizontal Suspension, Single Track Type)
- 1304.1 Track Drive Sprockets (Horizontal, Wide Track Type)
- Track Drive Sprockets (Vertical Type, 1304.5Narrow Track)
- 1305.1 Track Assembly, T66 (Horizontal Suspension, Wide, Steel) (Optional w/Track T80 and T84)
- 1305.2Track Assembly, T80 (Horizontal Suspension, Wide, Rubber Back Steel Chevron) (Optional w/Track T66 and T84)
- 1305.3 Track Assembly, T84 (Horizontal Suspension, Wide, Rubber) (Optional w/Track T66 and T80)
- Track Assembly, T41 (Vertical Suspen-1305.51 sion, Narrow, Rubber, Reversible)
- Track Assembly, T47E1 (Vertical Sus-1305.54pension, Narrow, Steel w/Rubber Top)
- 1305.61Track Assembly, T48 (Vertical Suspension, Narrow, Rubber Chevron) (Optional w/Track T51, T54E1 and T74)
- 1305.65Track Assembly, T49 (Vertical Suspension, Narrow, Steel Chevron)
- Track Assembly, T51 (Vertical Suspen-1305.71 sion, Narrow, Rubber, Non-Reversible) (Optional w/Track T48, T54E1 and T74)

- Track Assembly, T54E1 (Vertical Sus-1305.72 pension, Narrow, Steel Chevron) (Optional w/Track T48, T51 and T74)
- Track Assembly, T56 (Vertical Suspen-1305.75 sion, Narrow, Steel Chevron)
- Track Assembly, T56E1 (Vertical Sus-1305.78 pension, Narrow, Steel)
- Track Assembly, T62 (Vertical Suspen-1305.81 sion, Narrow, Steel)
- Track Assembly, T74 (Vertical Suspen-1305.84 sion, Narrow, Rubber Back, Steel Chevron) (Optional w/Track T48, T51 and T54E1)
- Track Assembly, Cuff Type (Vertical 1305.9 Suspension, Narrow, Steel)

14 — CONTROLS

1401.1 Steering	Brake	Controls	5
-----------------	-------	----------	---

1401.2	Darking	Buoka	Mechanism
1401.Z	Parking	Бгаке	mechanism

- Accelerator and Throttle Controls 1402.1
- Engine Carburetor, Accelerator, 1402.2 and Throttle Controls (Linkage)
- 1403 Clutch Controls
- 1404 Transmission Controls

15 - TOWING ATTACHMENTS

- 1503.1**Towing Pintles**
- 1503.2Towing Hook, Lock, and Lunette

16 - SHOCK ABSORBERS

1604 Shock Absorbers (Horizontal Suspension)

17 — FENDERS AND SAND SHIELDS

- 1701.1 Fenders, Sand Shields, Plates, and Supports (Narrow Track, Vertical Suspension)
- 1701.2 Fenders, Sand Shields, Plates, and Supports (Wide Track, Horizontal Suspension)

18 — HULL

- Hull Assembly
- 1801.1 Hull Mounting and Attaching Parts
- Rear Stowage Rack (7095952) Assembly (Used only on Vehicles Equipped with Muffler, Assembly 7095930)
- 1803.11 Driver's and Assistant Driver's Doors
- 1303.12 Engine Compartment Doors, Hatches, and Locks
- 1803.15 Hull Covers (Exterior, Miscellaneous)
- 1803.2Periscope Holders, Housings, and Mountings
- 1804.1 Hull Bulkheads, Panels, and Related Parts
- 1804.2 Hull Ventilators and Controls
- 1804.5Gun Barrel Traveling Lock
- 1805.1Hull Main and Sub-Floors
- 1805.2 Escape Door (E4162A) Assembly (Used with Vertical Suspension, Superseded by Door, Assembly 7069430)
- Escape Door (7069430) Assembly (Used 1805.3

- 1801.2

1800

		22 — M
	with Horizontal Suspension, Super-	2
	sedes Door, Assembly E4162A)	
1805.5	Hull Floor Drain Valves and Controls	2
1806.1	Driver's and Assistant Driver's Seat	2
1806.2	Crash Pads	6
1808.11	76-mm Ammunition Stowage Boxes, Con- tainers, and Racks	2
1808.12	Cal30, .45, and .50 Ammunition Stow- age and Containers	5
1808.2	Miscellaneous Stowage Boxes	5
1808.3	Miscellaneous Stowage Brackets, Clamps, Clips, Holders, Racks, and Straps	:
19 — TURRET		24 —
1901.11	Turret and Related Parts	4
1901.15	Turret Basket	2
1901.2	Turret Race	:
1901.3	Turret Traversing Locks	
1901.41	Commander's and Gun Loader's Seats (Folding Type)	:
1901.45	Gunner's Seat (D90025) Assembly	
1901.5	Crash Pads and Protective Parts	
1901.6	Caliber .50 AA Machine Gun Pintle Stand and Traveling Lock	29 —
1903.1	Commander's Vision Cupola	
1903.2	Doors, Hatches, Pistol Port, Ventilators, and Locks	
1903.3	Periscope Holders, Housings and Mount- ing Parts	
1905.1	Turret Traversing Mechanism	
1905.3	Traversing Hydraulic Motor and Motor Adapter	
1905.5	Traversing Hydraulic Pump	
1905.61	Traversing Hydraulic Pump Control and Gun Firing Handle	
1905.64	Commander's Turret Traversing Dual Control Assembly (C100603) (Super- seded by Control, Assembly 7068143)	
1905.65	Commander's Turret Traversing Dual Control Assembly (7068143) (Super- sedes Control, Assembly C100603)	
1905.7	Traversing Oil Reservoir, Fittings, and Tubes	
1905.9	Traversing Electric Motor and Mounting Brackets	
1906.1	Turret 76-mm Ammunition Stowage Boxes and Racks	
1906.2	Turret Miscellaneous Stowage Boxes, Racks, and Straps	

22 — MISCELLANEOUS ACCESSORIES

2201	Mantlet Cover and Clutch Housing Cover
2202.1	Driver's Hood, Mirror, and Windshield
2202.2	Windshield Wiper Motor
2208.1	Speedometer, Adapter, and Drive
2208.2	Tachometer, Adapter, and Drive
2209.1	Azimuth Indicator Assembly (D78232C4)
2209.2	Azimuth Indicator Assembly (7068178)
2209,3	Hull and Turret Compasses, and Mount- ings
2210	Vehicular Data Plates

24 — FIRE EXTINGUISHER SYSTEM 🕚

2 401.1	Fixed	Fire	Extinguisher	Lines
----------------	-------	------	--------------	-------

- 2401.2 Portable Fire Extinguisher and Bracket
- 2401.3 Fixed Fire Extinguisher Remote Control Head and Discharge Valve (C-O-Two)
- 2401.4 Fixed Fire Extinguisher Remote Control Head and Discharge Valve (Kidde)

29 — AUXILIARY GENERATOR, ENGINE, AND CONTROLS

	• •
2900	Generator and Engine Assembly
2911	Crankcase, Cylinder, and Shield
2912	Crankshaft and Bearings
2913	Flywheel and Housing
2914	Piston, Rings, Pin, and Connecting Rod
2915.1	Intake Valve
2917	Manual Starting Device
2931	Carburetor
2933	Carburetor Air Filter, Assembly
2935	Fuel Tank, Level Gage, Shut-Off Valve,
	Lines, and Fittings
2936	Governor
2937	Fuel Filter
2941	Exhaust Muffler, Pipes, and Connections
2942	Air and Exhaust Ducts and Controls
2961	Generator and Components
2962	Generator Regulator and Mounting Sup-
	port
2964.11	Magneto Assembly and Parts
2964.15	Timing Bracket and Parts
2965	Ignition Wiring and Spark Plug
2967	Generator Control Box, Ammeter, Cir-
	cuit Breakers, and Wiring
0000	Stauting and Computer Chauging Con

2968 Starting and Generator Charging Control Switches

21 — GUARDS

2101 Guards (Exterior)

14. ABBREVIATIONS. The following abbreviations appear in this catalog:

adjAdjust, adjustable, adjusting	aprxapproximate, approximately
alaluminum	asbasbestos
al-alloyaluminum-alloy	assyassembly
al-bzaluminum-bronze	AWG American Wire Gage
alloy-Salloy steel	bdg-hdbinding-head
ampampere	bevbevel, beveled
anldannealed	b-hdbutton-head

3	IDinside diame.
t	ininch (es)
3	incandincandescent
2	interinternal
Į.	int-ext-teethinternal-external teeth
i i	int-teethinternal teeth (lock washer)
2	lbpound (s)
- 1	lealeather
- 1	lead-ctdlead-coated
-	lglong
,	lghlength
ĺ	LHleft hand
•	lkglocking
1	ltlight (weight)
	lubrlubricator, lubricating, or lubrication
	machmachine
I	mang-bzmanganese bronze
	mang b2maximum
-	medmedium
L	mfdmicrofarad
_	MImalleable iron
2	minminiature, minimum, minute (angular measure)
L	minminiature, minimum, minute (angular measure)
:	minute (time interval) miscmiscellaneous
1	misc
1	MLMetal encased seal with spring loaded leather,
t i	neoprene or composition sealing member.
2	mmmillimeter
ł	NNational Thread Form
:	NCNational Course Thread
t	NEFNational Extra Fine Thread
•	NFNational Fine Thread
2	ninickel
ł	ni-pltdnickel-plated
1	ni-Snickel-steel
Э	Nonumber
t	nomnominal
נ	NPTNational Taper Pipe Thread
2	NSNational Form Thread, Special Pitch
1	odegree (temperature)
9	octoctagon
)	ODoutside diameter
r	oval-hdoval-head
r	ozounce (s)
t	p-bzphosphor-bronze
1	phos-ctdphosphate-coated
g	phos-pltdphosphate plated
e	pivot-ptpivot point
ł	pkgpackage
t	plain-ptplain point
2	pltdplated
1	psipounds per square inch
d	ptpoint
e	rdround
t	rd-endround-end
d S	rd-hdround-head
8 1	rect-hdrectangular head
.]	regregular
d ₊	retnretaining
t	RHright hand
d ,	rurubber
t	Ssteel
У	SAESociety of Automotive Engineers

	brass
	bright
	brass-plated
	bronze
	bronze-casting
	candelabra
	candelabra-bayonet base
	carbon
cd	ca dmium
	cadmium-plated
chr-alloy	chrome-alloy
	chrome-alloy-steel
	chrome-molybdenum-steel
chr-pltd	chrome-plated
	countersunk
ck-hd	countersunk-head
cold-fin-S	cold-finish-steel
	cone-point
contd	continued
	copper (cuprum)
cop-asb	copper-asbestos
corr-res-S	corrosion resistant steel
	candlepower
	cotter pin
	coated
cup-pt	cup-point
	double
dble-dld	double-drilled
dble-ear	double-ear
	double-tungsten filament
	degree (angle)
diam	
dld	
	drilled
dld f/c- pin	drilled for cotter pin
dld f/c-pin dld f/lkg-wire	drilled
dld f/c-pin dld f/lkg-wire dog-pt	drilled for cotter pin drilled for locking wire
dld f/c-pin dld f/lkg-wire dog-pt ea	drilled for cotter pin drilled for locking wire drilled for locking wire
dld f/c-pin dld f/lkg-wire dog-pt ea elec	drilled for cotter pin drilled for locking wire dog-point dog-point
dld f/c-pindld f/lkg-wiredog-pteaelecexter	drilled drilled for cotter pin drilled for locking wire dog-point each each
dld f/c-pindld f/lkg-wiredog-pteaelecexterexter	drilled drilled for cotter pin drilled for locking wire dog-point each electric external extra heavy
dld f/c-pin dld f/lkg-wire dog-pt ea elec exter ext-hv	drilled drilled for cotter pin drilled for locking wire dog-point each electric external extra heavy external teeth (lock washer)
dld f/c-pindld f/lkg-wiredog-pteaelecexterexterext-hvext-teethfastnr	drilled drilled for cotter pin drilled for locking wire dog-point each electric external extra heavy
dld f/c-pindld f/lkg-wiredog-pteaeaelecexterext-hvext-teethfastnrfbr	drilled drilled for cotter pin drilled for locking wire dog-point each electric extran external extra heavy external teeth (lock washer) fastener
dld f/c-pindld f/lkg-wiredog-pteaelecexterexterext-hvext-teethfastnrfbrfil	drilled drilled for cotter pin drilled for locking wire dog-point each electric extranal extra heavy external teeth (lock washer) fastener fiber filament
dld f/c-pin dld f/lkg-wire dog-pt ea elec exter ext-hv ext-teeth flastnr fil	drilled drilled for cotter pin drilled for locking wire dog-point each each eaternal external extra heavy external teeth (lock washer) fistener filament fillister-head
dld f/c-pin dld f/lkg-wire dog-pt ea elec exter exter ext-hv fastnr fil fil-hd fin	drilled for cotter pin drilled for locking wire dog-point each each eaternal extra heavy external teeth (lock washer) filister-head fillister-head finish or finishing
dld f/c-pin dld f/lkg-wire dog-pt ea elec exter exter ext-hv ext-teeth fbr fil fil fil flex	drilled drilled for cotter pin drilled for locking wire dog-point each electric external extra heavy external teeth (lock washer) filament filament fillister-head finish or finishing flexible
dld f/c-pin dld f/lkg-wire dog-pt ea elec exter ext-tweth fastnr fil-hd fin	drilled drilled for cotter pin drilled for locking wire dog-point each electric external extra heavy external teeth (lock washer) fastener filament filament
dld f/c-pin dld f/lkg-wire dog-pt ea elec exter ext-tweth	drilled drilled for cotter pin drilled for locking wire dog-point each electric external extra heavy external teeth (lock washer) fastener filament filament fillister-head finish or finishing flexible flat-head flat-point
dld f/c-pin dld f/lkg-wire dog-pt ea elec exter ext-tweth	drilled drilled for cotter pin drilled for locking wire dog-point each electric external extra heavy external teeth (lock washer) fastener filament filister-head filister-head filish or finishing flat-head flat-point gage
dld f/c-pin	drilled drilled for cotter pin drilled for locking wire dog-point each electric extra heavy external teeth (lock washer) fastener filament fillister-head filister-head finish or finishing flat-point gage
dld f/c-pin	drilled drilled for cotter pin drilled for locking wire dog-point each electric extra heavy external teeth (lock washer) filament fillister-head fillister-head fillister-head filat-point flat-point gage galvanized
dld f/c-pin dld f/lkg-wire dog-pt ea elec exter ext-thv ext-teeth fbr fil	drilled drilled for cotter pin drilled for locking wire dog-point each electric extran extra heavy external teeth (lock washer) fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head
dld f/c-pin	drilled drilled for cotter pin drilled for locking wire dog-point each electric extran extra heavy external teeth (lock washer) fastener fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head fillister-head
dld f/c-pin	drilled drilled for cotter pin drilled for locking wire dog-point each electric extranal extra heavy external teeth (lock washer) fastener filister-head fillister-head filister-head filister-head flat-point gage gage galvanized galvanized galvanized galvanized
dld f/c-pin	drilled drilled for cotter pin drilled for locking wire dog-point each each eatra extra heavy external teeth (lock washer) fastener filister-head fillister-head filister-head filister-head flat-point gage gage galvanized galvanized galvanized galvanized
dld f/c-pindld f/lkg-wiredog-pteaelecexterext-hvext-teethfastnrfbrfilfilfilfilfilgagagib-hdglvdgraphite-bzhanger-pthdhex	drilled for cotter pin drilled for locking wire dog-point dog-point each each eeternal extra heavy external teeth (lock washer) fastener filament filament filister-head filister-head filister-head filat-head flat-head flat-point gage galvanized galvanized galvanized
dld f/c-pin	drilled for cotter pin drilled for locking wire dog-point dog-point each each eeternal extra heavy external teeth (lock washer) fastener filament filament filament filament filament filat-head filat-head flat-head flat-head gage gage
dld f/c-pindld f/lkg-wiredog-pteaelecexterext-twethfbrfilfilfilfilfilfil.hdfinfl-hdfl-hdgagib-hdglvdgraphite-bzhanger-pthdhex-hdhex-socket	drilled for cotter pin drilled for locking wire dog-point dog-point each each eeternal extra heavy external teeth (lock washer) fastener filament filament filament filaster-head filash or finishing filat-head flat-head flat-point gage galvanized galvanized galvanized
dld f/c-pindld f/lkg-wiredog-pteaeaelecexterext-hvext-teethfastnrfbrfil-hdfinfl-hdfl-hdgagib-hdglvdgraphite-bzhanger-pthdhex-hdhex-sockethex-socket	drilled for cotter pin drilled for locking wire dog-point dog-point each each eaternal extra heavy external teeth (lock washer) fastener filament filament filister-head filister-head filat-point gage galvanized galvanized galvanized galvanized
dld f/c-pindld f/lkg-wiredog-pteaelecexterext-hvext-teethfastnrfbrfilfil-hdfinfl-hdfl-hdgagib-hdglvdgraphite-bzhanger-pthdhex-hdhex-sockethex-socket-hdht	drilled for cotter pin drilled for locking wire dog-point dog-point each each eeternal extra heavy external teeth (lock washer) fastener filament filament filament filaster-head filash or finishing filat-head flat-head flat-point gage galvanized galvanized galvanized

© PAPERPRINT.BE 2010

15. LIST OF MANUFACTURERS' SYMBOLS. The following list of symbols preceding the manufacturers' part numbers appearing in this catalog:

Symbol	Manufacturer	Symbol	Manufacturer
AB	Aetna Ball & Roller Bearing Co.	ĒC	Eclipse-Pioneer Division
AC	A. C. Spark Plug Div.	\mathbf{EN}	Elastic Stop Nut Corp. of America
ACR	American Radio Hardware Co., Inc.	\mathbf{FAF}	The Fafnir Bearing Co.
AEE	Allen Electric & Equipment Co.	\mathbf{FE}	Federal Electric Co.
AIR	Air Force-Navy Aeronautical Standard	\mathbf{FLS}	Fulton Sylphon Co.
\mathbf{AL}	The Electric Auto-Lite Co.	\mathbf{FM}	Ford Motor Co.
ALM	The Allen Mfg. Co.	\mathbf{GE}	General Electric Co.
AMP	American Phenolic Corp.	\mathbf{GL}	Guide Lamp Div. (General Motors Corp.)
BA	The Bassick Co.	HC	Cole-Hersee Co.
BAR	Barcy-Nicholson Co.	$_{ m HL}$	Homelite Corp.
BCA	The Bearings Co. of America	\mathbf{HLH}	Holland Hitch Co.
BN	Bantam Bearings Div.	$_{\rm HP}$	Harris Products Co.
BO	American Bosch Corp.	$_{ m HR}$	Harrison Radiator Division
BS	Superseded by Symbol BX	HUL	Hull Mfg. Co.
BX	Bendix Products Division	ΗY	Hyatt Bearings Division
\mathbf{BZ}	Breeze Corporations, Inc.	HYB	Hydraulic Brake Co.
СВ	The Electric Auto-Lite Co. (formerly Corcoran	IB	Imperial Brass Mfg. Co.
	Brown Co.)	IV	Irvington Varnish & Insulator Co.
CC	Chrysler Corp.	KCC	Keystone Carbon Co., Inc.
\mathbf{CCL}	Corbin Cabinet Lock Div. (The American	KS	King-Seeley Corp.
	Hardware Corp.)	LAD	R. D. Fageol Co.
CH	Cutler-Hammer, Inc.	\mathbf{LI}	Lisle Corp.
$\mathbf{C}\mathbf{M}$	The Chicago Rawhide Mfg. Co.	LM	Long Mfg. Division
COT	C-O-Two Fire Equipment Co.	MAE	Monroe Auto Equipment Co.
\mathbf{CP}	Champion Spark Plug Co.	MCR	Micro Switch Division
\mathbf{CU}	Cuno Engineering Corp.	MO	Modine Mfg. Co.
$\mathbf{D}\mathbf{G}\mathbf{M}$	Detroit Gasket & Mfg. Co.	MRM	Manhatten Rubber Mfg. Division
DM	Douglas Mfg. Div.	MU	Mueller Brass Co.
DN	Donaldson Co., Inc.	MW	Motor Wheel Corp.
\mathbf{DR}	Delco-Remy Div.	N&J	North & Judd Mfg. Co.
DSN	Detroit Stamping Co.	ND	New Departure Division
DTC	Tobe Deutschmann Corp.	NI	Novi Equipment Co.
DV	The Dole Valve Co.	NMB	National Motor Bearing Co., Inc.