

STANDARD PARTS LIST



A LISTING OF STANDARD PARTS
FOR
PLYMOUTH, DODGE,
DE SOTO, CHRYSLER
PASSENGER CARS
PLYMOUTH COMMERCIAL
DODGE *Job-Rated* TRUCKS
AND
OTHER MAKES OF VEHICLES AND PURPOSES

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INSTRUCTIONS FOR USE OF STANDARD PARTS LIST

This Parts List is supplied for your convenience in identifying, specifying and ordering standard parts, viz., bolts, nuts, lockwashers, etc.

The arrangement of the material and the use of this Parts List is fully explained in detail on the following pages. We suggest that you review these pages thoroughly before using this Parts List.

GENERAL INFORMATION

The information consolidated into this Parts List includes the following:

Item Number	Finish of Part
Dimensions of Parts	Part Number
Quantity Contained in Unit Packages	Part Name
Material of Which Part is Made	Notes Necessary for Proper Identification of Parts

ARRANGEMENT

For quick, easy reference, all parts are arranged in alphabetical order by groups or types of parts. Each group is numbered in numerical sequence. The parts appearing in each group are arranged according to diameter size, with the smallest diameter size appearing at the top of the group.

The groups which appear on each page are indicated at the top of the page, by number.

Every line in each group is given an "item" number for reference purposes.

Following is an explanation of the principal headings appearing under each group:

1. *Item Number*

Every line in each group is numbered consecutively and to facilitate the quick location of a given part number, reference is made in the numerical index to this "item number" on each part.

2. *Dimensions*

This column is divided into three sub-heads—

a. *Dia (diameter)*

The parts listed in this column are arranged according to diameter size, with the smallest diameter at the top of the group.

For diameter sizes of parts indicated by numbers, see table of "Graduated Sequence of Sizes" on Page 3.

b. *Thd (Thread)*

The first figure in the Thd (Thread) symbol column, i.e., 20, etc., indicates the number of threads to the inch on item. N.C. indicates National Coarse Thread and N.F. indicates National Fine Thread.

c. *L (length)*

Length of all items are indicated in inches or fractions of inches.

3. *U. P. (Unit Pack)*

The numbers appearing in this column indicate the quantity of the part which is contained in a unit package.

4. *Mat (Material)*

The symbols appearing in this column indicate the materials of which the part is made, i.e., S—Steel, Br—Brass. See list of abbreviations on Page 2 for other items.



5. *Fin (Finish)*

The symbols appearing in this column indicate the finish of the part, i.e., cad—cadmium, chr—chromium. See list of abbreviations below for other items.

For explanation of other abbreviations appearing in Parts List, see paragraph on abbreviations, below.

6. *Part Number*

The Part Number of each part listed appears in the last column.

ILLUSTRATIONS

The illustration which appears at the beginning of each group shows the typical construction of the parts listed under each group, and in all cases may not show the exact size or detail of the part required. However, these are for purposes of identifying parts performing the same or similar functions.

PAGE NUMBERING

To facilitate locating parts, all pages are numbered in consecutive order, the page number appearing on the bottom of each page.

ALPHABETICAL INDEX

Quick reference to any part name is provided in the alphabetical index. This index shows the page and group number under which the part is listed.

NUMERICAL INDEX

Reference to any part number is provided in the numerical index. This index lists all parts in numerical sequence and indicates the page, group, and item number on which the part is listed.

ABBREVIATIONS

Abbreviations used throughout this list are interpreted as follows:

AL.....	Aluminum	DIA.....	Diameter	NC.....	National Coarse Thread
AMP.....	Ampere	EXT.TH.D.....	External Thread	NF.....	National Fine Thread
BAK.....	Bakelite	FIB.....	Fibre	NI-S.....	Nickel-Steel
BE.....	Black Enamel	FIN.....	Finish	NP.....	Nickel Plated
BL.....	Black Lacquered	FL-HD.....	Flat Head	O.D.....	Outside Diameter
BLK.....	Black	GALV.....	Galvanized	PKD.....	Parkerized
Br.....	Brass	H.S.....	Hardened Steel	PLN.....	Plain
B.J.....	Bright Japanned	HEX-HD.....	Hex-head	R.S.....	Rustless Steel
BUT.....	Butler	IN.....	Inches	RD-HD.....	Round Head
CAD.....	Cadmium Plated	INT. TH.D.....	Internal Thread	S.....	Steel
C.I.....	Cast Iron	I.D.....	Inside diameter	THK.....	Thickness
CAR.S.....	Carbon Steel	J.....	Japanned	THD.....	Thread
CS-HD.....	Countersunk Head	L.....	Length	TIN.....	Tinned
CHR.....	Chromium Plated	L.H.T.....	Left Hand Thread	UP.....	Unit Package
COP.....	Copper	MAT.....	Material	W.I.....	Wrought Iron
COP.A.....	Copper Asbestos	M.I.....	Malleable Iron	ZNC.....	Zinc coated

The size of all parts listed are shown in the following table with their corresponding decimal equivalents.

GRADUATED SEQUENCE OF SIZES WITH DECIMAL EQUIVALENTS

SIZE	DEC. EQUIV.	SIZE	DEC. EQUIV.
No. 0	.0600	$\frac{5}{32}$	.1563
$\frac{1}{16}$	.0625	No. 8	.1640
No. 1	.0730	$\frac{11}{64}$	.1719
$\frac{5}{64}$	.0781	No. 9	.1770
No. 2	.0860	$\frac{3}{16}$	.1875
$\frac{3}{32}$	.0938	No. 10	.1900
No. 3	.0990	$\frac{13}{64}$	.2031
$\frac{7}{64}$	.1094	No. 12	.2160
No. 4	.1120	$\frac{1}{2}$	.2188
$\frac{1}{8}$	.1250	$\frac{15}{64}$	.2344
No. 5	.1250	No. 14	.2420
No. 6	.1380	$\frac{1}{4}$	.2500
$\frac{9}{64}$	.1406	No. 16	.2680
No. 7	.1510	No. 18	.2940

In the case of bolts and screws, O.D. (outside diameter) is given and in the case of washers and nuts, I.D. (inside diameter) is given.

ORDERING PARTS BY MAIL

All replacement parts should be ordered on the standard parts order form No. 4615 (Part No. D-134), which is supplied upon request by the Chrysler Corporation—Parts Division. Instructions for the use of this form are printed on the form.

All body parts should be ordered in the regular

manner from the Parts Plant or Depot. Be sure to check the parts book for the correct names and part numbers.

If the body parts ordered are to be painted, specify the serial number and body number of the vehicle.

ORDERING PARTS BY TELEGRAM

Revised telegraph regulations now make it possible to specify actual part number digits at code word cost when ordering parts by telegram.

This will end the need for the Standard Code of "DAY OR NIGHT" which has heretofore been used for economy reasons in the transmission of telegraphic orders. It will simplify the composition of such orders, insure maximum accuracy and save the dealer's time, as well as our own, by eliminating the necessity for coding and decoding part numbers.

Therefore it is recommended that, effective immediately, part numbers be shown on telegraphic orders in digits instead of code words as formerly.

MASTER CODE LETTERS

Telegraphic charges for coded-words or for numbers are made on the basis of one word for five code letters or one word for five digits in a number. If there are six to ten code letters in a code word or six to ten digits in a number, the charge will be made on the basis of two

words in each case. For that reason, the Master Code Letters that identify the first digit of six digit numbers will be continued as follows:

B—100,000
C—200,000
E—300,000
F—400,000
J—500,000
K—600,000
M—700,000
R—800,000
L—900,000

Thus, if your telegram included more than one six-digit part number, you could economize by using the Master Code Letter in this manner:

K 05884 35885 37034 67423 69328.

The Master Code Letter "K" would indicate that the first digit in the succeeding five part numbers is "6" and the message, constituting the equivalent of six words, would be translated as follows:

605884 635885 637034 667423 669328.

Had the Master Code Letter "K" not been used and each of the six-digit part numbers sent in full, the above message would have been charged at the rate of ten words. Thus, the letter "K" effected a saving of four words.

Another example of the use of Master Code Letters:

32431 52789 E 59781 64329 72654
 2 words 4 words
 F 63356 74895 96543
 4 words

Here we have a charge for ten words which when translated would read:

32431 52789 359781 364329 372654 463356 474895
 496543:

The use of Master Code Letters "E" and "F" has resulted in a saving of four words.

When using Master Code Letters, as in the above messages, it is necessary that all part numbers be arranged in numerical sequence. The Master Code Letter should be used, obviously, only when there are two or more six-digit part numbers with the same first digit. With only one six-digit part number in a particular series, no saving would be effected by the use of the Master Code letter because the Code Letter itself counts as one word.

The use of Master Code Letters is especially economical in connection with long messages inasmuch as the telegraph companies now accept Day Letters and Night Letters containing code words or part numbers, as outlined above, at the regular Day Letter or Night Letter rates.

The following Utility Codes are continued for use in giving shipping instructions on telegraphic orders and for making telegraphic inquiries concerning part orders.

FAABW	Ship to us by air express
FACAX	Ship to us by air mail
FAADY	Ship to us by parcel post
FACDA	Ship to us by parcel post—special delivery
FAAEZ	Ship to us by express
FAAFA	Ship to us by freight
FAAID	Ship to us by electric freight
FAAJE	Ship to us by motor truck
FAAKF	We will call and pick up parts
FAAMH	Charge our account and ship by air express to _____.
FACBY	Charge to our account and ship by air mail to _____.
FAANI	Charge our account and ship by parcel post to _____.
FACFB	Charge our account and ship by parcel post—special delivery to _____.
FAAOJ	Charge our account and ship by express to _____.

FAASM	Charge our account and ship by freight to _____.
FAAUO	Charge our account and ship by electric freight to _____.
FAAWR	Charge our account and ship by motor truck to _____.
FAAYT	Charge our account and will be picked up by _____.
FABAW	Ship by air express C. O. D. to _____.
FAC CZ	Ship by air mail C. O. D. to _____.
FABCY	Ship by parcel post C. O. D. to _____.
FACFC	Ship by parcel post—special delivery C. O. D. to _____.
FABEA	Ship by express C. O. D. to _____.
FABIE	Ship by freight S.D.B.L. to _____.
FABJF	Ship by electric freight S.D.B.L. to _____.
FABLH	Will call and pick up parts C. O. D.
FABMI	When and how did (or will) you ship our order of (or number)
FABOK	Cancel order for parts, our telegram of
FABSM	Cancel order for parts, our order number

A sample of Night Letter is given below:

Chrysler Corp.
 Marysville, Mich.

FACDA two each 51019 70107 B 01263 01283 05721
 10839 11698 E 50780 50791 56124 57802 57806
 FAABW for car 10106982 one each K 02454 08804
 33297 36846 39182 41684 FABMI 405

Blank Motor Co.

Translated this telegram would read:

Chrysler Corp.
 Marysville, Mich.

Ship to us by parcel post special delivery two each 51019, 70107, 101263, 101283, 105721, 110839, 111698, 350780, 350791, 356124, 357802, 357806. Ship to us by air express for car 10,106,982 one each 602454, 608804, 633297, 636846, 639182, 641684. When will you ship our order number 405?

Blank Motor Co.

The above Night Letter as coded is rated as 33 words. If the Master Code Letters had not been used it would have rated as 64 words.

Extreme care should be used when writing coded telegrams, as orders received in code are shipped by the part number according to the translation of the code received.

EMERGENCY ORDERS

All emergency orders for parts and/or accessories should be placed with Chrysler Motors Parts Corporation Depot or Parts Plant in the usual manner. All orders for scheduled prepaid shipment should be forwarded directly to the Parts Plant in the territory set up to serve you.

YOUR PARTS ORDERS

Your order will receive prompt handling and errors in processing will be reduced to a minimum if you will follow the instructions as outlined below.

1. Write orders legibly—preferably typewritten.
2. List all Part Numbers in numerical sequence.
3. Specify shipping instructions.
4. See that all orders are properly signed.
5. All orders placed on Scheduled Prepaid basis must be mailed on specified dates and should show in the space for shipping instructions "Freight Prepaid."
6. Only one order number should be assigned to an order, regardless of the number of pages or class of material.
7. Check Parts Book to be sure that part number and name on your order agree.
8. When in doubt regarding a part number, be sure and specify car serial number when ordering.

PARTS PLANTS

ATLANTA, GEORGIA.....1150 Murphy Ave., S. W., Phone Amherst 2531
 KANSAS CITY 15, KANSAS.....Chrysler and Funston Rds., Phone Fairfax 3300
 MARYSVILLE.....P. O. Box 1718, Detroit 31, Mich., Phone Port Huron 4191
 PACIFIC COAST.....1950 Davis St., San Leandro, Calif., Phone Sweetwood 6200

PARTS DEPOTS

CHICAGO 16, ILLINOIS.....2431 S. La Salle St., Phone Calumet 6331
 PHILADELPHIA 8, PENNA.....401 N. Broad St., Phone Walnut 6200



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SCREW, Round Head, Slotted	66	271	SCREW, Tapping, Hexagon Head (Type B)	69	285	SCREW, Wood, Flat Head, Slotted	67	275
SCREW, Round Head, Slotted, Header Point	67	272	SCREW, Tapping, Hexagon Head (Type D)	69	287	SCREW, Wood, Oval Head, Slotted	67	276
SCREW, Set, Headless, Cone Point	71	297	SCREW, Tapping, Hexagon Head, Cross Recess (Type D)	61	242	SCREW, Wood, Round Head, Slotted	67	277
SCREW, Set, Headless, Cup Point	71	298	SCREW, Tapping, Hexagon Head, Slotted (Type B)	69	286	SCREW, w/LOCKWASHER, ASSEMBLY, Hexagon Head, Header Point, External Teeth	62	250
SCREW, Set, Headless, Dog Point	72	299	SCREW, Tapping, Hexagon Head, Slotted (Type D)	69	288	SCREW, w/LOCKWASHER, ASSEMBLY, Hexagon Head, Header Point, Internal and External Teeth	62	252
SCREW, Set, Headless, Round Point	72	300	SCREW, Tapping, Hexagon Head, Washer Face	70	289	SCREW, w/LOCKWASHER, ASSEMBLY, Hexagon Head, Header Point, Internal Teeth	62	251
SCREW, Set, Hexagon Socket, Cone Point	72	301	SCREW, Tapping, Oval Head, Cross Recess (Type A)	61	243	SCREW, w/LOCKWASHER, ASSEMBLY, Round Head, Cross Recess, Header Point, External Teeth	60	233
SCREW, Set, Hexagon Socket, Cup Point	72	302	SCREW, Tapping, Oval Head, Cross Recess (Type B)	61	244	SCREW, w/LOCKWASHER, ASSEMBLY, Round Head, Header Point, External Teeth	62	253
SCREW, Set, Hexagon Socket, Dog Point	72	303	SCREW, Tapping, Oval Head, Slotted (Type A)	70	290	SCREW, w/LOCKWASHER, ASSEMBLY, Round Head, Header Point, Internal Teeth	62	254
SCREW, Set, Hexagon Socket, Round Point	72	304	SCREW, Tapping, Oval Head, Slotted (Type B)	70	291	SCREW, w/LOCKWASHER, ASSEMBLY, Round Head, Slotted, Header Point, Internal and External Teeth	62	255
SCREW, Set, Square Head, Cone Point	72	305	SCREW, Tapping, Oval Head, Slotted (Type D)	70	292	SLEEVE, Ball Sleeve Tubing	73	309
SCREW, Set, Square Head, Cup Point	72	306	SCREW, Tapping, Round Head, Cross Recess (Type A)	61	245	SPRING, Retainer	73	310
SCREW, Set, Square Head, Dog Point	73	307	SCREW, Tapping, Round Head, Cross Recess (Type B)	61	246	STUD	73	311
SCREW, Set, Square Head, Round Point	73	308	SCREW, Tapping, Round Head, Cross Recess (Type C)	61	247	TEE, Inverted Flared Tube	74	312
SCREW, Tapping, Binding Head, Cross Recess (Type A)	60	234	SCREW, Tapping, Round Head, Slotted (Type A)	70	293	TEE, Pipe	74	313
SCREW, Tapping, Binding Head, Cross Recess (Type B)	60	235	SCREW, Tapping, Round Head, Slotted (Type B)	71	294	TEE, Street	74	314
SCREW, Tapping, Binding Head, Cross Recess (Type C)	60	286	SCREW, Tapping, Round Head, Slotted (Type D)	71	295	TEE, Three-Way, Flared Tube	75	319
SCREW, Tapping, Binding Head, Cross Recess (Type D)	60	287	SCREW, Tapping, Round Head, Slotted (Type E)	71	296	TEE, Three-Way, Inverted Flared Tube	75	320
SCREW, Tapping, Binding Head, Slotted (Type A)	68	278	SCREW, Tapping, Trim, Oval Head, Cross Recess (Type A)	62	249	TEE, Three-Way, Threaded Sleeve Tubing	75	321
SCREW, Tapping, Binding Head, Slotted (Type B)	68	279				TEE, Two-Way, Ball Sleeve Tubing	74	315
SCREW, Tapping, Binding Head, Slotted (Type D)	68	280				TEE, Two-Way, Flared Tube	74	316
SCREW, Tapping, Binding Head, Slotted (Type E)	68	281				TEE, Two-Way, Inverted Flared Tube	75	317
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100021	26	7	71	102459	73	308	5	103185	73	311	29	103478	56	210	1
100023	26	7	72	102460	73	308	7	103186	73	311	30	103487	55	209	21
100033	26	7	118	102462	73	308	10	103187	73	311	31	103563	53	198	5
100035	26	7	124	102470	73	308	12	103193	73	311	32	103583	53	198	8
100059	27	7	210	102516	57	216	2	103195	73	311	35	103585	53	198	10
100071	27	7	239	102517	57	216	3	103197	73	311	38	103587	53	198	11
100072	27	7	240	102648	47	156	8	103198	73	311	39	103588	53	198	12
100130	26	7	50	102660	55	209	15	103199	73	311	40	103595	53	198	13
100131	26	7	52	102667	57	209	17	103200	73	311	42	103605	53	198	15
100142	26	7	95	102675	57	209	4	103201	74	311	43	103607	53	198	16
100143	26	7	96	102694	71	298	8	103202	74	311	44	103608	53	198	17
100168	27	7	189	102695	71	298	10	103203	74	311	45	103646	43	132	6
100179	27	7	227	102697	71	298	12	103207	74	311	46	103647	31	30	2
100360	53	198	18	102705	71	298	16	103209	74	311	47	103652	43	128	5
100368	57	215	2	102707	72	298	18	103211	74	311	48	103658	26	7	30
100372	29	15	1	102709	72	298	19	103212	74	311	49	103664	51	190	2
100373	29	15	2	102717	72	298	21	103216	74	311	51	103678	52	196	4
100411	29	15	3	102720	72	298	22	103217	74	311	52	103689	52	196	6
100438	29	15	8	102721	72	298	23	103218	74	311	54	103690	52	196	7
100582	29	14	1	102732	72	298	24	103220	74	311	56	103692	52	196	9
100782	66	271	71	102761	71	297	3	103221	74	311	57	103694	52	196	10
100875	64	265	32	102763	71	297	4	103222	74	311	58	103695	52	196	11
100944	66	271	10	102807	72	299	2	103224	74	311	59	103697	53	196	12
100946	66	271	16	102819	72	299	4	103227	74	311	60	103699	53	196	13
100948	66	271	18	102832	72	299	5	103228	74	311	61	103708	53	196	15
100949	66	271	20	102838	72	299	6	103238	74	311	62	103714	53	196	16
100961	66	271	29	102871	72	306	3	103240	74	311	65	103722	53	196	21
100963	66	271	32	102872	72	306	4	103241	74	311	67	103725	53	196	23
100993	65	268	38	102873	72	306	5	103242	74	311	68	103726	53	196	24
101126	66	271	46	102875	72	306	7	103244	74	311	69	103729	53	196	25
101130	66	271	55	102882	72	306	8	103245	74	311	70	103730	53	196	26
101181	64	265	29	102883	72	306	9	103247	74	311	71	103732	53	196	27
101193	64	265	37	102884	73	306	10	103248	74	311	72	103735	53	196	31
101473	24	3	9	102885	73	306	11	103249	74	311	73	103737	53	196	32
101476	24	3	10	102892	73	306	12	103250	74	311	74	103738	53	196	33
101477	24	3	12	102893	73	306	14	103262	74	311	76	103747	53	196	34
101541	24	3	14	102896	73	306	16	103282	74	311	77	103758	53	196	36
101935	67	275	4	102897	73	306	17	103287	74	311	79	103817	26	7	123
101939	67	275	6	102898	73	306	18	103290	74	311	80	103829	33	43	3
102381	72	300	2	103063	46	152	3	103305	74	311	81	103865	55	205	2
102382	71	300	3	103150	73	311	1	103312	74	311	82	103867	54	204	1
102384	72	300	4	103154	73	311	7	103347	79	346	12	103868	54	204	3
102391	72	300	5	103157	73	311	9	103349	77	336	2	103870	54	204	4
102392	72	300	6	103163	73	311	10	103353	77	336	10	103874	54	202	3
102393	72	300	7	103171	73	311	11	103363	52	192	5	103875	54	202	4
102394	72	300	9	103173	73	311	13	103373	52	192	7	103876	54	202	6
102397	72	300	10	103175	73	311	14	103380	52	192	10	103883	54	203	1
102398	72	300	11	103176	73	311	17	103390	52	192	16	103889	54	200	3
102401	72	300	12	103177	73	311	18	103393	52	192	17	103890	54	200	5
102404	72	300	13	103178	73	311	20	103394	52	192	18	103891	54	200	9
102405	72	300	14	103179	73	311	21	103396	52	192	19	103892	54	200	11
102406	72	300	15	103181	73	311	23	103399	52	192	22	103893	54	200	13
102436	73	308	1	103182	73	311	25	103403	52	192	23	103894	54	200	16
102446	73	308	2	103183	73	311	27	103415	52	192	26	103895	54	200	23
102458	73	308	4	103184	73	311	28	103462	43	132	15	103896	54	200	28

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103899	54	200	37	104923	24	2	12	106171	67	276	4	107171	56	211	13
103904	43	132	2	104924	24	2	13	106186	67	276	5	107173	56	211	14
108905	43	132	4	104927	24	2	14	106200	67	276	6	107174	56	211	15
103906	43	132	9	104944	57	216	4	106202	67	276	7	107175	56	211	16
103907	43	132	14	104946	57	216	5	106252	40	103	1	107201	56	211	17
103921	43	131	1	104947	57	216	6	106253	40	103	2	107202	56	211	18
103940	43	131	2	104978	51	190	1	106254	40	103	3	107203	56	211	19
103948	43	131	3	105036	32	40	1	106255	40	103	4	107261	70	290	30
104036	30	26	3	105098	55	209	16	106256	40	103	5	107268	26	7	126
104037	31	26	5	105115	72	305	1	106258	40	103	6	107315	70	290	34
104038	31	26	7	105119	37	75	2	106370	29	16	1	107316	71	294	12
104039	31	26	9	105146	37	77	2	106476	39	99	1	107322	48	165	3
104051	55	209	3	105150	37	80	1	106517	54	200	20	107323	69	283	4
104057	55	209	5	105168	39	94	1	106638	46	151	4	107332	43	128	3
104068	55	209	11	105169	38	19	1	106642	54	204	5	107333	77	335	2
104071	55	209	12	105201	36	71	2	106653	41	117	6	107338	69	283	19
104075	55	209	14	105205	55	209	23	106665	70	290	10	107342	57	218	3
104085	55	209	18	105311	37	78	1	106666	70	290	11	107345	72	306	6
104102	55	209	22	105341	39	97	2	106671	46	334	1	107403	43	133	5
104118	55	209	26	105371	37	73	3	106676	70	290	33	107412	36	70	2
104114	56	209	27	105403	39	99	3	106689	56	214	13	107413	36	70	3
104131	56	209	33	105404	45	143	1	106691	70	290	44	107416	37	79	3
104133	56	209	34	105406	45	144	4	106692	63	262	39	107417	38	87	1
104138	55	208	7	105407	45	144	13	106693	64	265	63	107418	39	97	1
104139	55	208	17	105408	32	38	1	106749	43	132	3	107424	37	73	4
104152	55	208	10	105413	34	52	3	106750	43	132	7	107570	56	209	29
104159	55	208	11	105414	34	51	1	106751	43	132	13	107697	66	271	14
104168	55	208	13	105423	34	54	3	106793	31	29	1	107715	66	271	31
104175	55	208	14	105451	42	124	2	106794	31	29	2	107729	66	271	59
104184	55	208	8	105452	42	124	4	106796	31	29	3	107731	66	271	61
104189	55	208	18	105453	42	124	5	106807	36	69	8	107763	52	192	12
104199	55	208	19	105456	42	124	6	106809	36	69	7	107814	48	165	1
104223	55	207	2	105457	42	124	8	106825	73	307	1	107823	48	165	2
104235	55	207	4	105470	42	126	1	106888	56	212	7	107837	63	260	9
104236	55	207	5	105480	30	24	1	106893	56	212	8	107868	26	7	57
104240	55	207	6	105482	30	24	2	106905	56	212	10	107889	26	7	108
104255	55	207	9	105507	38	92	1	106913	56	212	14	107930	27	7	197
104266	55	207	8	105508	36	71	1	106929	56	212	15	108200	26	7	37
104269	55	207	10	105509	36	68	1	106958	43	132	1	108324	28	7	231
104282	55	207	13	105513	38	85	1	106959	54	200	1	108561	52	192	27
104284	55	207	14	105515	38	85	3	106995	65	268	5	108564	52	192	28
104286	55	207	15	105517	44	138	2	107003	65	268	12	108607	26	7	42
104314	57	218	10	105518	44	138	3	107024	65	268	27	108608	26	7	86
104442	56	214	2	105523	44	138	4	107025	65	268	28	108610	27	7	183
104561	29	19	2	105602	54	200	12	107028	65	268	30	108626	43	132	22
104562	29	19	3	105603	54	200	27	107038	65	268	34	108627	43	132	30
104563	29	19	4	105768	67	277	3	107079	65	268	11	108630	52	192	13
104903	44	141	1	105784	67	277	9	107111	65	268	31	108636	52	192	9
104916	24	2	3	105793	67	299	10	107119	65	268	36	108640	52	192	6
104917	24	2	4	105804	67	277	13	107141	56	211	2	108675	52	194	3
104918	24	2	5	105819	67	277	14	107155	56	211	5	108682	55	209	19
104919	24	2	7	106043	67	275	1	107156	56	211	7	108684	56	209	23
104920	24	2	9	106097	67	277	1	107157	56	211	9	108685	56	209	35
104921	24	2	10	106108	67	277	7	107158	56	211	10	108686	34	54	6

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109210	29	12	13	110756	52	196	5	111828	53	198	2	112711	57	216	1
109352	41	112	1	110773	53	198	14	111840	53	198	3	112714	29	14	2
109357	40	104	3	110791	55	209	6	111857	57	219	16	112726	52	192	4
109362	45	144	18	110800	55	209	7	111872	57	219	6	112727	29	15	7
109365	40	104	2	110813	46	150	12	111988	53	197	2	112743	42	127	12
109375	56	211	12	110814	46	150	18	112004	53	197	4	112745	42	127	18
109390	42	127	8	110830	29	16	2	112006	53	197	5	112818	65	265	85
109391	68	281	5	110917	29	14	4	112007	53	197	6	112877	30	20	2
109392	24	4	41	110922	47	158	5	112019	53	197	7	112895	77	336	5
109426	74	311	53	110926	47	158	17	112029	53	197	9	112959	71	298	9
109552	55	208	3	110977	53	197	20	112031	53	197	10	112960	72	298	17
109576	52	196	2	110992	72	298	20	112032	53	197	11	113055	73	307	2
109766	24	4	35	110995	53	197	15	112033	53	197	12	113102	47	158	3
109835	28	12	1	111102	69	283	22	112034	53	197	13	113103	47	158	6
109903	55	208	1	111136	68	278	34	112040	53	197	14	113104	47	158	10
109913	55	208	2	111153	68	278	42	112055	53	197	16	113106	47	158	18
109954	57	219	5	111155	27	7	152	112057	53	197	17	113162	53	197	8
109968	57	219	22	111196	71	294	10	112063	53	197	18	113181	54	204	6
110060	56	214	12	111208	29	16	3	112072	53	197	19	113185	54	202	1
110078	56	214	14	111269	72	300	1	112077	53	197	21	113194	56	214	7
110117	73	303	13	111293	26	7	97	112093	53	197	22	113237	73	311	34
110184	43	133	6	111296	41	110	2	112108	53	197	23	113240	73	311	12
110190	27	7	215	111301	24	1	1	112111	53	197	25	113247	73	311	36
110191	24	4	5	111302	66	271	33	112113	53	197	26	113252	71	298	6
110220	55	209	24	111325	70	290	17	112114	53	197	27	113271	65	268	55
110237	29	17	1	111333	69	283	3	112118	53	197	28	113272	73	311	5
110299	24	4	39	111340	70	290	16	112166	63	261	2	113306	57	218	7
110302	68	278	36	111342	63	260	5	112210	74	311	55	113358	57	219	32
110307	70	290	28	111345	31	33	3	112211	74	311	64	113363	57	219	24
110308	40	105	2	111563	65	268	52	112304	54	204	2	113365	57	219	27
110309	40	105	1	111567	29	19	1	112318	63	261	1	113452	56	214	15
110316	70	291	2	111583	70	293	1	112320	28	10	1	113500	53	198	6
110330	51	189	2	111584	68	278	2	112321	28	10	2	113537	54	200	36
110347	41	113	1	111595	41	113	3	112322	28	10	3	113662	55	208	4
110353	68	279	12	111596	71	297	2	112333	28	10	4	113663	55	208	5
110356	24	4	4	111599	70	290	37	112334	28	10	6	113680	29	15	5
110409	53	196	17	111602	30	23	1	112336	28	10	7	113702	33	41	1
110414	52	196	3	111604	30	23	2	112348	28	10	9	113736	57	217	6
110417	53	196	18	111605	30	23	3	112372	27	7	238	113739	46	150	3
110434	56	209	31	111608	30	23	4	112400	29	14	3	113740	46	150	9
110437	56	209	32	111617	30	23	5	112432	47	158	14	113751	42	127	2
110505	66	271	41	111633	68	278	21	112450	32	34	1	113752	42	127	4
110571	63	262	12	111635	74	311	63	112457	38	86	1	113753	42	127	15
110583	66	271	38	111645	65	268	47	112483	57	216	7	113763	66	271	49
110589	66	271	43	111647	74	311	50	112508	26	7	112	113808	66	271	39
110625	65	268	20	111652	25	7	1	112517	26	7	113	113834	37	76	3
110659	55	208	15	111654	69	284	3	112519	27	7	202	113835	37	77	1
110660	55	208	16	111656	53	199	21	112551	24	3	5	113846	26	7	49
110668	55	208	21	111662	70	290	13	112571	73	311	19	113847	26	7	120
110682	64	265	30	111663	69	283	8	112574	74	311	66	113864	67	271	95
110685	51	189	3	111674	73	311	41	112576	74	311	78	113878	26	7	43
110726	53	199	8	111684	70	293	13	112578	55	205	5	113879	43	132	23
110739	53	196	40	111686	70	293	9	112609	26	7	94	113881	63	262	6
110742	53	196	14	111688	68	279	7	112624	57	215	3	113885	26	7	88

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113887	27	7	184	114714	67	271	101	115586	33	45	2	116418	26	7	53
113898	46	150	25	114741	66	271	25	115613	44	138	5	116425	43	130	2
113912	64	265	60	114748	99	102	1	115659	65	268	49	116428	47	153	7
113915	64	265	62	114779	26	7	70	115662	44	142	1	116452	50	174	3
113935	54	203	3	114794	45	144	5	115663	44	142	2	116482	64	265	45
113950	56	214	9	114818	43	132	11	115664	44	142	3	116508	68	278	45
113962	67	271	84	114831	39	101	1	115665	44	142	4	116514	70	290	22
113979	67	271	81	114842	35	62	1	115666	44	142	5	116534	30	26	2
113996	64	265	50	114856	52	192	2	115667	44	142	6	116536	31	26	6
114021	75	323	2	114857	47	81	1	115668	33	47	1	116629	45	144	12
114034	76	325	1	114858	39	96	1	115669	33	47	2	117043	68	278	11
114037	75	324	2	114860	57	219	28	115670	33	47	3	117103	26	7	20
114038	75	324	3	114861	24	2	6	115671	33	47	4	117189	37	76	2
114041	75	324	7	114864	38	90	2	115672	33	47	5	117243	55	205	1
114044	75	324	5	114885	32	35	2	115674	55	206	1	117251	41	115	1
114052	76	326	1	114887	62	256	2	115675	55	206	2	117319	66	271	5
114062	75	322	1	114890	35	57	1	115676	55	206	3	117329	64	265	4
114092	28	7	275	114902	28	10	8	115677	55	206	4	117353	64	265	39
114093	68	278	12	114909	38	90	1	115678	55	206	5	117420	65	268	61
114096	68	278	20	114927	33	46	3	115679	55	206	6	117465	36	69	4
114097	25	7	15	114962	63	257	1	115680	49	171	1	117466	26	7	119
114304	37	82	1	114963	63	257	2	115681	49	171	2	117492	24	4	2
114306	39	100	1	114965	63	257	3	115682	49	171	3	117499	24	4	26
114327	64	265	47	114981	31	30	1	115683	49	171	4	117500	24	4	50
114344	65	268	46	114987	73	311	37	115684	49	171	5	117512	24	3	4
114367	63	262	36	114994	53	196	35	115685	49	171	6	117518	28	10	5
114379	47	158	21	114998	33	41	2	115691	63	262	28	117542	35	61	1
114382	46	152	1	115050	55	209	1	115695	63	262	9	117612	54	200	10
114425	64	265	64	115054	79	346	5	115697	56	214	1	117697	56	212	11
114489	73	308	8	115118	45	144	2	115736	46	150	42	117708	29	15	6
114507	47	153	16	115124	26	7	21	115773	46	150	21	117712	53	311	8
114544	46	150	23	115142	70	290	8	115792	47	153	2	117713	73	311	16
114545	46	150	7	115143	71	293	34	115797	47	153	15	117716	30	25	4
114546	46	150	13	115151	29	15	4	115897	36	72	2	117717	30	22	1
114547	46	150	19	115207	69	283	24	115957	36	72	3	117718	57	217	8
114556	46	150	43	115220	69	284	2	116050	51	189	4	117820	63	262	7
114564	54	200	34	115240	30	20	11	116267	39	97	3	117825	31	26	8
114591	73	308	9	115253	26	7	98	116286	66	271	58	117866	52	196	8
114619	77	338	12	115262	69	283	16	116320	31	26	4	117868	53	196	19
114622	42	124	1	115272	49	173	7	116326	71	298	3	117875	53	196	22
114623	49	172	7	115273	44	137	1	116327	36	69	1	117884	53	196	33
114624	73	309	5	115275	70	293	16	116332	30	20	5	117886	43	128	6
114625	31	31	5	115287	46	151	2	116334	56	214	5	117887	77	335	5
114626	31	31	2	115347	66	271	4	116340	68	273	13	117900	53	197	24
114627	49	172	3	115363	78	344	9	116341	34	49	4	117914	53	198	4
114628	73	309	3	115371	43	130	1	116343	71	294	19	117916	54	200	2
114629	31	31	4	115449	42	124	7	116351	36	66	2	117917	54	200	4
114630	49	172	4	115527	24	2	2	116367	69	283	9	117918	54	200	7
114631	73	309	4	115529	24	2	1	116384	45	144	9	117919	54	200	15
114632	33	46	1	115579	33	43	1	116392	57	219	12	117920	54	200	18
114633	33	46	2	115580	33	43	2	116396	69	283	18	117921	54	200	21
114634	33	46	5	115581	33	44	3	116399	26	7	102	117923	54	200	25
114638	31	31	3	115582	33	44	2	116400	24	4	40	117924	54	200	30
114646	78	344	4	115583	33	44	1	116403	35	64	2	117957	42	127	31
114659	42	124	3	115585	33	45	1	116410	68	278	24	117959	42	127	6

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117961	42	127	10	118785	30	25	3	119489	64	265	20	120298	71	294	7
117971	42	127	1	118787	57	217	9	119490	36	70	1	120302	42	127	11
117972	42	127	5	118792	43	180	3	119500	40	109	1	120322	30	20	9
117974	42	127	9	118801	76	330	1	119504	72	306	2	120338	71	293	27
117976	43	132	17	118806	75	319	1	119511	30	24	3	120361	47	158	8
117977	43	132	25	118811	76	329	1	119516	41	114	1	120365	48	158	24
117979	43	132	27	118812	76	329	2	119629	28	12	2	120367	46	150	5
117984	43	132	29	118831	54	208	2	119636	29	12	18	120368	46	150	11
117992	43	132	32	118833	42	127	17	119751	28	11	5	120369	46	150	16
118000	43	132	23	118863	43	128	10	119754	28	11	9	120370	46	150	22
118001	43	132	31	118867	56	211	3	119770	28	11	7	120371	46	150	26
118011	43	128	7	118975	78	341	5	119796	28	11	6	120375	46	150	1
118042	29	16	4	119001	78	341	6	119899	67	271	90	120376	46	150	8
118050	25	7	18	119004	57	217	3	119930	30	20	1	120377	46	150	15
118061	55	207	7	119009	56	211	6	119931	30	20	4	120378	46	150	24
118078	55	207	11	119010	63	262	2	119932	30	20	3	120380	78	344	10
118096	56	212	1	119097	34	52	4	119940	71	294	18	120382	78	344	13
118135	57	219	18	119098	34	52	5	199941	68	278	23	120383	78	344	14
118140	57	219	13	119100	34	52	7	119955	57	218	14	120384	78	344	16
118188	56	211	4	119113	34	53	1	119960	36	67	1	120387	79	345	2
118200	25	7	17	119209	52	192	14	120000	55	207	17	120390	79	345	4
118308	52	194	2	119210	52	192	21	120013	42	127	16	120391	79	346	3
118322	52	194	4	119242	56	211	1	120038	26	7	69	120392	79	346	4
118514	57	219	8	119243	50	177	1	120049	65	268	41	120394	79	346	6
118534	68	278	38	119281	76	332	1	120051	43	132	10	120395	79	346	7
118536	31	30	3	119282	24	3	8	120062	30	20	14	120396	79	346	8
118537	50	174	2	119286	56	209	36	120065	24	3	13	120401	34	54	2
118538	50	174	4	119311	26	7	51	120093	66	271	12	120408	42	127	14
118539	50	174	5	119316	35	56	1	120097	30	25	2	120424	27	7	195
118540	50	174	6	119317	35	56	2	120114	41	117	7	120426	27	7	179
118541	50	174	7	119318	35	56	3	120129	31	31	7	120440	68	278	27
118549	47	158	7	119319	35	56	4	120131	49	172	8	120454	70	298	4
118554	47	158	11	119320	35	56	5	120141	50	174	8	120460	45	143	5
118555	47	158	15	119321	35	56	6	120145	34	54	5	120464	43	128	4
118556	47	158	19	119322	35	56	7	120151	41	117	5	120465	77	335	3
118573	70	293	7	119326	32	37	1	120157	77	338	5	120471	43	128	8
118589	71	294	15	119327	32	37	2	120158	77	338	7	120472	77	335	4
118597	24	4	6	119328	32	37	3	120163	68	278	25	120479	69	283	11
118619	46	150	32	119332	76	333	1	120167	74	315	1	120487	49	172	2
118621	46	150	38	119335	49	170	2	120173	65	268	42	120488	73	309	2
118622	46	150	40	119336	49	170	3	120214	78	344	12	120499	34	54	4
118681	70	324	9	119337	49	170	4	120215	63	262	17	120520	30	25	1
118748	31	32	2	119338	49	170	5	120217	78	344	7	120521	30	25	2
118749	31	32	3	119339	49	170	6	120221	66	271	37	120533	66	271	76
118750	31	32	4	119342	49	170	1	120228	26	7	32	120535	64	265	44
118751	31	32	5	119349	34	55	1	120233	26	7	80	120603	65	268	65
118752	31	32	6	119364	57	219	31	120234	27	7	196	120611	48	159	4
118753	33	48	2	119368	71	293	26	120237	27	7	185	120613	46	150	6
118754	33	48	3	119370	70	290	40	120238	47	153	10	120614	47	158	12
118755	33	48	4	119455	34	52	2	120243	62	256	3	120619	48	159	3
118756	33	48	5	119458	45	144	10	120259	67	271	87	120622	47	158	4
118757	33	48	6	119463	70	290	45	120267	64	265	23	120624	46	150	27
118758	74	316	1	119471	27	7	190	120278	45	144	16	120628	66	271	75
118759	74	316	2	119482	26	7	45	120280	74	313	2	120629	64	265	46
118762	74	316	3	119488	70	290	42	120281	74	313	3	120630	78	344	17

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120631	78	344	11	121613	55	209	2	122089	26	7	46	122788	28	7	257
120640	26	7	114	121615	26	7	109	122092	26	7	47	122792	28	7	260
120647	26	7	107	121630	26	7	55	122104	26	7	76	122828	28	7	276
120669	26	7	115	121646	57	219	25	122115	26	7	77	122856	28	7	277
120677	26	7	110	129650	57	219	33	122119	26	7	78	122864	68	278	17
120686	43	130	4	121659	26	7	99	122138	26	7	81	122877	28	7	278
120691	64	265	21	121660	57	217	1	122145	26	7	82	122891	28	7	279
120703	31	32	1	121661	26	7	60	122159	66	271	24	122894	28	7	279
120704	50	174	1	121685	78	344	6	122168	26	7	84	122911	28	7	280
120706	25	7	2	121688	47	158	13	122181	26	7	85	123011	28	7	290
120731	78	344	24	121711	31	31	1	122188	26	7	87	123158	65	268	50
120741	26	7	58	121714	25	4	76	122194	26	7	89	123231	28	7	292
120743	57	219	14	121728	47	156	5	122201	26	7	90	123245	28	7	293
120831	70	293	18	121741	51	191	3	122207	26	7	91	122316	25	7	16
120837	31	28	1	121742	66	271	66	122210	26	7	92	123325	26	7	19
120854	25	7	4	121743	47	158	16	122239	26	7	134	123364	26	7	104
120878	65	268	64	121744	78	344	8	122253	26	7	135	123382	26	7	105
120879	42	127	13	121752	77	339	5	122267	26	7	136	123400	27	7	155
120885	40	103	7	121753	77	339	8	122273	26	7	137	123418	27	7	191
120895	27	7	222	121755	74	200	14	122279	27	7	138	123451	26	7	22
120896	27	7	224	121756	54	200	19	122293	27	7	139	123457	26	7	23
120898	78	344	18	121757	54	200	33	122307	27	7	140	123461	26	7	24
120902	57	218	12	121767	46	150	10	122320	27	7	141	123473	26	7	56
120910	66	271	40	121770	77	336	11	122333	27	7	143	123499	26	7	61
120917	25	4	74	121783	26	7	65	122348	27	7	145	123520	26	7	106
120918	26	7	83	121784	37	76	4	122362	27	7	146	123547	27	7	156
120919	27	7	163	121821	78	341	4	122378	27	7	176	123558	27	7	156
121207	45	143	3	121828	78	344	3	122394	27	7	177	123561	27	7	158
121208	45	143	4	121832	66	271	26	122408	27	7	178	123567	27	7	159
121209	45	144	15	121839	66	271	11	122433	27	7	180	123572	27	7	160
121213	48	159	1	121841	78	344	5	122452	27	7	181	123581	27	7	192
121220	49	172	1	121851	66	271	21	122459	27	7	182	123593	27	7	193
121222	52	192	8	121852	26	7	75	122491	27	7	186	123605	27	7	194
121268	27	7	204	121859	26	7	133	122505	27	7	187	123650	27	7	228
121269	27	7	169	121863	57	217	7	122513	27	7	188	123683	28	7	261
121275	26	7	103	121866	65	268	25	122536	27	7	220	123713	28	7	282
121279	63	260	4	121879	25	7	5	122550	27	7	221	123737	26	7	25
121322	73	309	1	121888	25	7	6	122577	27	7	223	123749	26	7	26
121828	63	262	40	121889	56	214	11	122630	27	7	225	123762	26	7	27
121339	33	48	1	121900	25	7	7	122645	27	7	226	123774	26	7	62
121344	64	265	52	121913	25	7	8	122682	27	7	244	123785	26	7	63
121345	64	265	54	121926	25	7	9	122696	27	7	245	123798	26	7	64
121350	68	281	1	121940	25	7	10	122703	27	7	246	123831	26	7	111
121358	46	150	33	121950	25	7	11	122710	27	7	247	123841	27	7	161
121369	68	278	28	121954	25	7	12	122717	27	7	248	123852	27	7	162
121371	65	268	58	121966	25	7	13	122724	27	7	249	123854	64	265	19
121428	64	265	56	121982	25	7	14	122731	27	7	250	123869	27	7	164
121458	79	346	9	122007	26	7	33	122738	27	7	251	123899	27	7	198
121523	66	271	23	122017	26	7	34	122744	27	7	252	123913	26	7	93
121540	66	271	47	122018	26	7	35	122747	27	7	253	123921	27	7	229
121558	26	7	31	122027	26	7	36								
121570	31	27	1	122034	26	7	38	122751	28	7	254	123939	27	7	230
121573	57	218	5	122040	26	7	39	122767	28	7	255	123964	28	7	262
121574	78	344	19	122052	26	7	40	122771	28	7	256	123961	28	7	263
121592	47	156	6	122065	26	7	41	122777	28	7	257	123964	28	7	264
				122077	26	7	44	122780	28	7	258	123973	28	7	265

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124053	26	7	28	124583	46	150	28	125616	50	180	2	126227	24	4	46
124057	27	7	174	124589	46	150	31	125624	28	7	274	126286	24	4	3
124064	26	7	29	124595	46	150	35	125653	46	151	5	126311	24	4	7
124088	26	7	66	124607	46	150	41	125654	73	309	6	126315	24	4	8
124094	26	7	67	124619	46	150	14	125674	70	290	29	126325	24	4	9
124100	26	7	68	124621	46	150	17	125675	70	293	2	126330	24	4	10
124128	26	7	116	124634	46	150	29	125676	56	211	8	126335	24	4	11
124133	27	7	165	124635	46	150	30	125677	71	298	15	126339	24	4	12
124150	27	7	166	124640	46	150	34	125683	27	7	172	126344	24	4	13
124155	27	7	167	124645	46	150	36	125687	29	13	26	126358	24	4	23
124169	27	7	199	124646	46	150	37	125697	71	293	30	126373	24	4	24
124170	27	7	200	124651	46	150	39	125706	68	279	55	126374	24	4	25
124174	27	7	201	124759	28	11	8	125707	68	278	29	126380	24	4	27
124180	27	7	203	124819	47	153	1	125708	55	209	8	126390	24	4	47
124186	27	7	205	124825	47	153	3	125709	55	209	9	126402	24	4	48
124193	27	7	206	124834	47	153	8	125720	25	4	82	126411	24	4	49
124206	27	7	231	124839	47	153	11	125728	70	293	5	126419	24	4	51
124212	27	7	232	124843	47	153	13	125733	31	31	8	126433	25	4	65
124224	27	7	233	124847	47	153	17	125734	26	7	125	126442	25	4	66
124230	27	7	234	124852	47	153	19	125741	26	7	59	126460	25	4	67
124240	27	7	235	124920	47	153	4	125751	77	339	7	126504	25	4	75
124244	28	7	266	124921	47	153	5	125817	77	338	1	126609	24	4	14
124250	28	7	267	124925	47	153	6	125846	41	113	4	126619	24	4	15
124256	28	7	268	124929	47	153	9	125856	69	283	14	126626	24	4	16
124265	28	7	269	124934	47	153	12	125858	57	219	19	126629	24	4	17
124268	28	7	270	124939	47	153	14	125859	34	49	3	126639	24	4	18
124282	28	7	284	124944	47	153	18	125863	64	262	53	126647	24	4	19
124288	28	7	285	124949	47	153	20	125913	46	151	3	126662	24	4	28
124294	28	7	286	124954	47	153	21	125923	70	290	46	126673	24	4	30
124300	28	7	287	124959	47	153	22	125926	26	7	121	126676	24	4	31
124306	28	7	288	125031	28	12	4	125932	68	279	95	126688	24	4	32
124358	27	7	163	125039	28	12	6	125933	73	311	26	126696	24	4	52
124364	27	7	170	125046	29	12	10	125962	54	200	29	126710	24	4	53
124372	27	7	171	125059	29	12	12	125976	63	260	6	126722	24	4	54
124381	27	7	207	125082	65	268	44	125978	70	293	14	126726	24	4	55
124384	27	7	208	125119	47	156	2	125984	43	133	4	126734	24	4	56
124392	27	7	209	125215	47	156	1	125995	38	84	1	126746	25	4	68
124398	27	7	236	125233	47	156	3	126006	48	162	1	126749	25	4	69
124412	27	7	237	125234	47	156	4	126012	48	162	2	126769	25	4	70
124418	27	7	271	125250	47	156	7	126016	48	162	4	126779	25	4	71
124432	27	7	272	125330	47	157	1	126022	48	162	3	126784	25	4	77
124449	27	7	273	125339	47	157	2	126032	51	189	6	126795	25	4	78
124472	27	7	289	125348	47	157	3	126038	27	7	211	126800	25	4	79
124536	27	7	291	125434	48	158	25	126049	41	117	2	126803	25	4	80
124545	43	132	5	125491	48	158	26	126057	67	272	15	126810	25	4	81
124546	43	132	8	125529	48	159	8	126086	65	265	72	126817	25	4	83
124549	43	132	12	125536	48	159	9	126128	45	145	2	126824	25	4	84
124551	43	132	19	125550	48	159	10	126135	71	298	14	126838	25	4	88
124553	43	132	20	125560	48	159	11	126138	70	290	36	126865	25	4	89
124554	43	132	24	125563	27	7	175	126142	71	294	14	126912	24	4	20
124556	43	132	21	125579	40	104	1	126146	55	209	13	126927	24	4	21
124557	43	132	26	125588	44	137	3	126167	26	7	122	126954	24	4	33
124559	46	150	2	125591	71	293	24	126190	69	283	6	126957	24	4	34
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127012	25	4	58	127962	70	16	1	129811	67	275	5	131426	46	149	15
127019	25	4	59	127963	34	52	6	129816	67	275	7	131427	46	149	17
127034	25	4	60	127967	30	21	1	129903	67	275	3	131434	46	149	3
127039	25	4	61	127993	68	278	43	130029	67	277	2	131437	46	149	8
127042	25	4	72	128014	49	168	3	130064	67	277	6	131486	46	149	10
127059	25	4	73	128025	49	169	2	130135	67	277	11	131512	28	12	1
127087	25	4	85	128027	49	169	3	130140	67	277	12	131519	46	149	12
127092	25	4	86	128044	68	279	2	130189	67	277	5	131522	46	149	16
127212	24	4	38	128051	79	345	3	130269	67	277	8	131563	46	148	6
127222	24	4	42	128058	71	293	22	130586	67	277	15	131593	46	148	3
127227	24	4	43	128060	68	278	26	130669	67	276	1	131613	46	148	9
127232	24	4	44	128078	68	278	44	130686	67	276	2	131647	46	148	12
127237	24	4	45	128122	47	153	23	130908	67	276	8	131657	46	148	4
127249	25	4	62	128139	49	168	1	130919	67	276	9	131672	27	7	241
127259	25	4	63	128151	68	278	39	130923	67	276	10	131674	46	148	5
127269	25	4	64	128154	70	290	38	131001	79	345	5	131724	68	278	5
127327	25	4	87	128155	43	133	8	131014	79	346	1	131726	68	278	22
127421	24	3	7	128177	49	168	2	131015	79	346	2	131743	46	149	6
127477	45	146	3	128180	49	168	4	131016	79	346	10	131750	46	149	13
127500	50	180	1	128217	49	169	1	131017	79	346	11	131759	46	149	14
127527	45	145	3	128239	70	290	6	131019	79	346	13	131744	46	148	8
127536	51	183	1	128241	66	269	1	131040	68	279	13	131775	45	148	2
127549	50	179	1	128244	54	200	8	131043	78	344	1	131778	46	148	7
127555	71	298	4	128246	70	290	31	131044	78	344	2	131780	46	148	10
127559	43	132	18	128247	70	290	24	131045	78	344	20	131788	46	148	1
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127600	51	187	3	128265	37	79	2	131047	78	344	22	131925	63	262	3
127612	45	145	4	128267	69	283	21	131048	78	344	23	131952	63	262	4
127619	45	145	1	128274	41	113	5	131050	78	344	25	131958	63	262	5
127637	45	145	5	128286	70	290	39	131057	78	344	15	131958	63	262	5
127686	77	337	1	128287	36	69	3	131078	78	344	26	131974	63	262	8
127733	70	290	32	128290	66	269	6	131098	78	342	1	131981	63	262	10
127785	27	7	213	128296	65	268	53	131110	78	342	2	132033	63	262	11
127792	34	54	9	128327	27	7	214	131146	78	342	3	132051	63	262	13
127793	34	52	8	128335	77	336	12	131148	78	342	4	132056	63	262	14
127823	34	54	10	128336	29	13	1	131206	78	343	1	132057	63	262	15
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127837	68	278	14	128645	29	13	5	131284	57	219	36	132096	63	262	19
127847	68	279	1	128685	29	13	7	131291	69	283	17	132105	63	262	20
127849	34	54	8	128694	29	13	8	131299	71	293	33	132110	63	262	21
127851	68	278	33	128922	29	13	11	131317	29	13	9	132119	63	262	22
127853	70	293	3	128936	29	13	15	131322	29	13	14	132121	63	262	23
127874	45	143	6	128958	29	13	16	131328	29	13	21	132128	63	262	24
127884	71	293	25	128976	29	13	17	131342	29	13	3	132133	63	262	25
127896	71	293	21	128982	29	13	18	131350	29	13	10	132138	63	262	26
127913	37	74	3	128999	29	13	22	131375	66	271	74	132146	63	262	27
127921	27	7	242	129005	29	13	23	131394	67	271	93	132193	63	262	29
127927	74	320	1	129017	29	13	24	131395	48	159	5	132198	63	262	30
127933	68	278	32	129028	64	271	17	131407	46	149	11	132208	63	262	31
127934	44	137	2	129033	29	13	25	131416	46	149	1	132251	63	262	32
127950	54	201	1	129132	29	13	19	131418	46	149	2	132256	63	262	33
127951	54	201	2	129144	29	13	20	131419	46	149	4	132259	63	262	34

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132280	63	262	38	133239	66	271	28	134148	65	268	3	135265	56	212	3
132300	63	262	41	133276	66	271	51	134155	65	268	4	135276	56	212	4
132305	63	262	42	133365	64	265	1	134165	65	268	6	135332	56	212	9
132325	64	262	48	133369	64	265	2	134167	65	268	7	135365	56	212	13
132335	64	262	49	133370	64	265	3	134168	65	268	8	135500	66	271	13
132357	64	262	50	133384	64	265	5	134186	65	268	10	135501	57	219	10
132365	64	262	51	133399	64	265	6	134228	65	268	13	135532	25	5	4
132375	64	262	52	133428	64	265	7	134239	65	268	14	135536	25	5	5
132385	64	262	56	133432	64	265	8	134248	65	268	15	135537	25	5	6
132398	64	262	57	133433	64	265	9	134252	42	127	7	135547	25	5	7
132413	64	262	58	133440	64	265	10	134259	68	279	4	135549	25	5	8
132636	66	271	3	133445	64	265	11	134260	77	336	13	135550	25	5	9
132648	66	271	6	133453	64	265	12	134262	65	268	16	135551	25	5	10
132651	66	271	2	133482	64	265	14	134289	65	268	17	135552	25	5	11
132656	66	271	7	133499	64	265	15	134292	65	268	19	135555	25	5	12
132657	66	271	8	133523	64	265	16	134300	65	268	21	135556	25	5	13
132688	66	271	9	133537	64	265	17	134301	65	268	22	135557	25	5	14
132696	66	271	13	133542	64	265	18	134308	65	268	24	135558	25	5	15
132711	66	271	19	133591	64	265	22	134341	65	268	26	135559	25	5	16
132719	66	271	22	133595	64	265	24	134353	65	268	29	135560	25	5	17
132764	66	271	27	133605	64	265	25	134381	65	268	32	135561	25	5	18
132776	66	271	30	133617	64	265	26	134389	65	268	33	135562	25	5	19
132785	66	271	34	133620	64	265	27	134400	65	268	37	135563	25	5	20
132796	66	271	35	133634	64	265	28	134405	65	268	39	135567	23	7	21
132825	66	271	36	133645	64	265	31	134412	65	268	40	135569	25	5	22
132852	66	271	44	133652	64	265	33	134417	65	268	43	135576	25	8	23
132882	66	271	45	133664	64	265	34	134422	65	268	45	135578	23	7	24
132900	66	271	48	133698	64	265	36	134436	65	268	48	135582	25	5	26
132903	66	271	50	133708	64	265	38	134449	65	268	51	135584	25	5	27
132908	66	271	52	133733	64	265	40	134511	64	265	35	135587	25	5	28
132915	66	271	54	133737	64	265	41	134512	77	338	10	135588	25	5	29
132920	66	271	56	133744	64	265	42	134524	47	158	1	135589	25	5	30
132923	66	271	57	133768	64	265	43	134530	47	158	2	135590	25	5	31
132930	66	271	62	133781	64	265	49	134536	48	159	2	135591	25	5	32
132972	66	271	64	133793	64	265	53	134540	47	158	9	135593	25	5	33
132974	66	271	65	133797	64	265	55	134551	47	158	20	135595	25	5	34
132979	66	271	67	133807	64	265	57	134562	48	159	6	135596	25	5	35
132988	66	271	70	133812	64	265	58	134566	48	158	22	135597	25	5	36
132992	66	271	72	133837	64	265	61	134567	48	158	23	135600	25	5	37
133013	66	271	73	133851	64	265	65	134572	48	159	7	135603	25	5	39
133042	66	271	77	133856	64	265	66	134580	56	212	12	135604	25	5	40
133043	66	271	78	133857	65	265	67	134581	73	308	3	135605	38	83	1
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133049	67	271	80	133866	65	265	69	134595	26	7	74	135610	24	3	15
133053	67	271	82	133871	65	265	70	134681	55	209	20	135629	77	339	12
133054	67	271	83	133876	65	265	71	134728	55	209	25	135631	65	268	63
133056	67	271	85	133391	65	265	78	134760	56	209	30	135650	65	265	79
133059	67	271	86	133906	65	265	80	134773	55	207	1	135761	57	219	11
133073	67	271	88	133921	65	265	81	134798	55	207	3	135770	57	219	17
133080	67	271	89	133926	65	265	82	134961	55	207	16	135785	57	219	21
133094	67	271	94	133936	65	265	83	134997	55	208	6	135796	57	219	23
133106	67	271	96	134072	64	265	51	135026	55	208	9	135821	57	219	34
133120	67	271	97	134100	65	265	77	135054	55	208	12	135954	57	219	1

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136028	57	219	7	137407	32	33	6	138489	77	339	10	140689	77	335	6
136037	57	219	9	137412	76	331	1	138498	77	339	13	140690	54	200	22
136088	57	219	20	137413	76	331	3	138502	77	339	14	140696	28	11	2
136135	57	219	26	137414	76	331	4	138506	77	339	15	140726	63	262	43
136149	57	219	30	137415	76	331	6	138511	77	339	16	140791	65	268	59
136228	57	218	11	137417	76	331	7	138517	77	339	17	140793	29	13	6
136301	52	195	10	137420	34	50	2	138528	78	341	2	140801	73	308	11
136305	57	219	15	137421	34	50	3	138530	78	341	3	140802	54	200	31
136332	57	215	1	137422	34	50	5	138554	78	341	7	140807	45	144	20
136349	57	218	4	137423	34	50	9	138557	78	341	8	140852	72	302	1
136352	57	218	6	137424	34	50	11	138561	78	341	9	140853	72	302	2
136469	57	218	1	137425	34	50	12	138565	78	341	10	140879	72	302	3
136484	57	218	2	137430	24	3	1	138589	77	338	2	140881	72	302	4
136508	57	218	8	137432	25	5	1	138593	77	338	3	140885	72	302	5
136534	57	218	9	137433	25	5	2	138597	77	338	4	140918	72	30	2
136557	57	218	13	137434	25	5	3	138600	77	338	6	140949	72	303	1
136612	56	214	3	137460	53	196	30	138604	77	338	8	140986	71	298	5
136645	56	214	4	137476	53	197	1	138609	77	338	9	140989	71	298	7
136659	56	214	8	137503	30	24	4	138617	77	338	11	140991	71	298	11
136696	56	24	16	137508	46	151	1	138621	72	304	1	141008	71	297	1
136731	56	213	2	137526	77	336	6	139010	72	302	6	141021	72	299	1
136757	56	213	1	137536	45	144	3	139079	72	302	7	141023	72	299	3
136803	56	213	3	137542	24	3	11	139413	72	301	3	141054	52	193	1
136854	27	7	219	137548	64	265	59	140079	57	217	5	141067	52	193	2
136857	76	339	11	137565	65	265	73	140089	54	200	35	141162	52	193	3
137145	69	283	10	137566	56	213	4	140100	69	283	12	141173	52	193	4
137154	24	3	8	137719	72	305	2	140105	27	7	243	141195	52	193	5
137177	24	3	2	137731	72	305	3	140108	66	271	42	141207	52	193	6
137183	54	200	17	137871	57	219	29	140114	64	265	49	141210	52	193	7
137223	52	192	20	137895	34	53	2	140139	57	215	4	141211	52	193	9
137253	52	192	24	137945	53	196	39	140144	53	198	1	141229	52	193	10
137254	52	192	25	137932	29	10	1	140153	53	198	2	141231	52	193	11
137255	63	260	8	138004	65	268	54	140171	69	283	7	141245	52	193	12
137272	26	7	54	138008	29	12	15	140198	25	5	25	141286	52	193	13
137275	24	3	3	138009	25	5	38	140224	65	265	74	141445	63	260	13
137282	26	7	130	138031	51	191	6	140238	77	336	1	141502	70	293	15
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137304	52	192	31	138035	51	191	5	140271	77	336	8	141535	68	28	31
137305	56	212	6	138105	74	313	4	140276	63	260	3	141583	65	263	23
137309	52	192	32	138106	54	200	6	140286	31	31	6	141592	68	281	4
137324	52	192	34	138117	63	260	7	140287	49	172	6	141625	27	7	154
137341	53	196	37	138137	68	278	9	140295	76	328	1	141714	35	64	1
137388	29	12	11	138156	72	300	8	140297	76	328	3	141715	35	64	3
137389	29	12	14	138133	65	268	18	140305	33	46	4	141720	35	64	4
137395	49	173	1	138221	29	18	1	140357	34	3	6	141724	37	73	1
137396	49	173	3	138247	29	18	2	140365	73	306	15	141729	37	73	2
137397	49	173	5	138256	29	18	3	140537	45	144	19	141737	36	65	1
137398	49	173	6	138468	77	339	1	140565	37	78	2	141740	39	98	1
137399	49	173	8	138473	77	339	2	140571	30	25	3	141742	36	66	1
137400	49	173	9	138474	77	339	3	140623	75	324	4	141744	39	99	2
137401	49	173	10	138475	77	339	4	140681	38	11	3	141890	69	283	20

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141893	70	298	6	142282	70	290	25	142611	68	278	37	144024	54	202	5
141900	68	278	8	142283	29	12	16	142645	71	294	9	144034	30	20	12
141901	68	278	10	142284	27	7	212	142671	73	306	13	144040	30	20	10
141903	70	290	1	142292	70	290	43	142686	68	278	41	144042	30	20	13
141904	70	290	2	142303	44	135	1	142687	68	281	6	144051	30	20	7
141905	70	290	9	142304	44	137	15	142730	45	144	21	144055	30	20	15
141909	70	290	12	142305	44	136	1	142732	70	290	41	144056	30	20	16
141916	70	290	26	142307	44	136	2	142745	51	189	5	144060	30	20	17
141917	70	290	27	142308	44	137	16	142756	42	124	9	144067	32	38	2
141923	37	76	1	142311	44	135	2	142763	35	63	1	144082	74	313	1
141987	37	75	1	142349	36	69	6	142806	71	294	5	144086	74	313	5
141959	70	291	1	142356	65	265	75	142812	71	293	19	144087	74	313	6
141973	39	95	1	142358	52	195	28	142850	65	268	60	144103	32	39	2
141985	36	69	2	142359	52	195	16	142851	45	144	6	144104	32	39	1
141988	38	85	2	142366	70	290	14	142852	45	144	7	144106	32	39	3
141989	38	92	2	142382	57	217	4	142853	45	144	8	144122	34	53	3
141998	39	93	1	142385	68	278	7	142855	36	72	1	144138	34	51	2
142003	53	199	1	142403	63	260	10	142856	36	69	5	144214	30	20	6
142006	53	199	2	142406	68	278	19	142857	38	89	1	144233	51	189	1
142011	53	199	7	142407	70	290	21	142868	45	143	2	144235	51	189	7
142017	53	199	15	142440	65	268	35	142874	30	26	1	144241	51	189	8
142019	53	199	14	142443	66	271	60	142908	68	278	18	144246	31	26	10
142020	53	199	20	142449	44	137	10	142915	66	271	68	144313	32	36	1
142026	53	199	22	142450	44	135	3	142933	27	7	153	144317	32	36	2
142061	53	199	4	142451	44	135	4	142952	52	195	1	144323	76	327	1
142066	53	199	6	142452	44	135	6	142953	52	195	2	144325	76	327	2
142067	53	199	9	142454	44	137	4	142960	56	214	10	144326	76	327	3
142070	53	199	10	142456	44	137	5	143110	44	140	1	144366	35	59	1
142073	53	199	17	142485	52	195	3	143152	71	294	16	144409	49	172	9
142077	53	199	18	142486	52	195	4	143162	54	202	2	144466	33	46	6
142081	53	199	19	142488	52	195	5	143189	70	293	11	144469	73	311	24
142085	54	199	23	142489	52	195	6	143219	70	290	4	144497	43	129	1
142091	54	199	27	142492	52	195	7	143333	34	49	5	144498	43	129	2
142102	53	199	3	142493	52	195	8	143336	34	49	2	144518	52	192	11
142106	53	199	5	142494	52	195	9	143342	34	50	4	144529	53	196	28
142115	53	199	16	142496	52	195	11	143343	34	50	7	144532	73	311	2
142129	54	199	25	142497	52	195	13	143417	46	151	6	144562	48	163	2
142138	54	199	28	142501	52	195	14	143426	32	33	8	144563	52	195	26
142148	53	199	12	142508	52	195	18	143482	74	312	1	144565	52	196	1
142155	54	199	24	142509	52	195	19	143483	74	312	2	144566	38	8	1
142160	54	199	30	142510	52	195	20	143521	49	173	4	144567	48	163	1
142184	63	260	11	142512	52	195	21	143560	45	145	6	144580	45	144	1
142195	39	12	9	142515	52	195	22	143562	45	145	7	144593	45	144	14
142199	44	138	1	142519	52	195	24	143579	50	180	4	144628	69	283	1
142211	70	290	3	142520	52	195	25	143582	50	180	3	144634	69	283	2
142215	68	281	2	142521	52	195	27	143622	51	183	2	144640	69	283	15
142221	71	293	31	142523	52	195	29	143635	50	181	1	144668	69	283	23
142230	70	293	8	142533	52	195	30	143654	50	182	1	144727	71	293	28
142243	75	321	1	142535	52	195	31	143670	51	184	1	144735	70	293	10
142253	69	285	2	142548	49	173	2	143723	51	185	1	144744	71	293	35
142261	26	7	117	142554	32	33	4	143724	51	185	2	144753	71	293	20
142269	30	20	8	142563	68	279	10	143736	51	188	1	144758	71	293	32
142272	68	281	3	142571	66	271	53	143761	51	186	1	144759	71	293	36
142274	67	271	100	142573	71	296	1	143932	55	205	3	144765	71	293	37
142280	28	11	10	142594	68	278	6	143933	55	205	4	144768	71	293	38



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144789	68	278	1	147534	65	267	1	149555	64	262	44	155368	59	227	28
144791	68	278	4	147600	26	7	73	150189	42	125	1	155376	59	227	29
144804	68	278	3	147605	77	336	9	150191	42	125	2	155435	59	227	31
144805	68	278	15	147609	46	152	2	150421	42	121	1	155438	59	227	32
144811	68	278	35	147634	72	306	1	150422	42	119	1	155441	59	227	33
144823	68	278	46	147646	66	269	12	150423	42	122	1	155443	59	227	34
144824	68	278	47	147647	66	269	13	150423	41	118	1	155624	59	227	14
144831	68	278	40	147684	41	117	3	150429	42	120	1	155642	59	227	15
144837	68	278	16	147685	41	117	4	150624	33	42	1	155815	58	223	1
144854	68	278	30	147686	41	119	8	150626	68	280	2	155816	58	223	2
144879	70	290	20	147697	79	345	1	150646	62	251	1	155820	58	223	3
144914	70	290	19	147705	50	178	1	150670	75	324	8	155821	58	223	4
144966	69	284	1	147710	37	74	2	150681	52	192	1	155830	58	223	6
144987	69	284	4	147716	73	311	3	150689	41	116	1	155835	58	223	7
144997	69	284	5	147721	58	225	23	150700	42	123	1	155857	58	223	9
145013	48	161	2	147751	37	79	1	150718	75	323	1	155864	58	223	10
145032	48	161	1	147762	58	225	9	150720	75	324	6	155873	58	223	11
145058	48	160	1	147766	59	227	27	150742	75	322	3	155886	58	223	12
145088	69	284	6	147872	58	225	18	150815	75	322	2	155934	58	223	13
145091	69	284	7	147899	59	227	11	150830	75	324	1	155954	58	223	14
145108	71	294	2	147912	27	7	217	152119	62	256	1	156002	58	223	15
145119	71	294	6	147914	27	7	218	152120	32	35	1	156009	58	223	16
145122	71	294	13	147925	26	7	132	153011	58	222	1	156033	58	223	17
145125	71	294	11	147930	67	272	14	153241	58	222	2	156094	58	223	18
145130	71	294	20	148035	59	225	35	153421	58	222	3	156132	58	223	20
145131	71	294	22	148055	67	272	13	153448	58	222	4	156146	58	223	21
145136	71	294	17	148056	27	7	216	153479	58	222	5	156250	58	223	22
145156	71	294	21	148057	27	7	148	153771	58	222	6	156466	58	223	23
145157	71	294	23	148061	56	214	6	153797	58	222	7	156549	58	223	26
145189	68	279	11	148062	73	311	15	153966	58	222	8	156641	58	225	1
145207	68	279	14	148072	31	33	2	153981	58	222	9	156642	58	225	2
145349	69	285	3	148086	41	117	1	154002	58	222	10	156646	58	225	3
145371	63	260	2	148101	58	225	7	154921	59	227	1	156653	58	225	4
145384	63	260	12	148109	58	225	16	154926	59	227	2	156655	58	225	5
145407	70	290	5	148147	73	310	1	154929	59	227	3	156746	58	225	6
145416	44	137	11	148148	73	310	2	154959	59	227	4	156771	58	225	8
145438	41	110	1	148201	45	146	1	154987	59	227	5	156781	58	225	10
145434	40	106	1	148207	45	146	2	155028	59	227	6	156831	58	225	11
145435	40	108	2	148232	45	146	8	155043	59	227	7	156953	58	225	12
145436	40	106	3	148238	45	146	10	155063	59	227	8	156960	58	225	13
145450	69	286	1	148246	45	146	11	155093	59	227	10	156963	58	225	14
145459	71	294	1	148335	29	12	17	155098	59	227	12	156966	58	225	15
145470	66	269	7	148373	66	271	69	155113	59	227	13	156972	58	225	17
145477	32	33	7	148396	50	178	2	155178	59	227	16	157062	58	225	20
145480	71	294	4	148534	60	240	2	155185	59	227	17	157070	58	225	21
145504	38	88	1	148545	61	243	14	155193	59	227	18	157221	32	38	3
145513	37	79	4	148596	38	8	2	155194	59	227	19	157277	58	225	24
145530	67	272	2	149059	60	232	1	155204	59	227	20	157285	58	225	25
145531	67	272	4	149498	71	293	29	155213	59	227	21	157296	58	225	26
145534	70	290	15	149499	66	271	15	155214	59	227	22	157297	58	225	27
145596	59	227	30	149504	35	60	1	155253	59	227	23	157321	58	225	28
145598	65	268	9	149510	73	311	33	155278	59	227	24	157322	58	225	29
145601	57	217	2	149515	64	262	44	155288	59	227	25	157391	58	225	31
145686	43	133	1	149535	28	12	3	155347	58	223	27	157395	58	225	32
145690	45	144	25	149539	65	266	4	155348	59	227	26	157399	59	225	33

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157402	59	225	34	162900	61	246	6	173141	67	272	7	178397	78	340	6
157444	59	225	36	162990	61	246	7	173156	71	298	13	178410	64	263	1
157521	59	225	38	163096	60	235	1	173187	71	298	1	178451	25	6	1
157571	59	225	39	163158	60	235	2	173188	69	285	1	178532	78	340	8
157884	58	223	8	163187	60	235	3	173195	65	266	3	178542	78	340	9
158261	58	223	19	163234	60	235	4	173203	75	317	1	178551	78	340	11
158752	58	225	30	163473	61	244	2	173216	70	290	47	178555	78	340	10
159229	58	220	1	163474	61	244	3	173252	73	311	6	178556	78	340	12
160541	58	220	2	163504	61	244	4	173259	29	13	4	178566	78	340	13
161373	60	240	3	163511	61	244	5	173288	64	265	13	178571	78	340	14
161375	60	240	4	163666	61	242	1	173306	67	272	11	178581	78	340	15
161422	60	240	5	164023	61	247	1	173402	64	264	1	178591	78	340	10
161430	60	240	6	164029	61	247	2	173424	65	266	1	178612	78	340	18
161452	60	240	8	164076	61	247	3	174510	47	154	8	178632	78	340	19
161589	61	245	1	164414	60	236	1	174512	47	154	10	178646	78	340	17
161592	61	245	2	166571	61	248	1	174628	47	155	1	178703	59	231	2
161594	61	245	3	166574	61	248	2	174819	47	154	3	178707	64	271	1
161627	61	245	4	166577	61	248	3	174823	47	154	4	178714	69	288	1
161633	61	245	5	166754	61	248	4	174826	47	154	5	178749	70	290	35
161755	60	234	1	167257	60	237	1	174827	47	154	6	178754	66	270	1
161756	60	234	2	167938	60	239	1	174837	47	154	9	178765	65	266	7
161764	60	234	3	167947	60	239	2	174855	47	154	1	178778	48	164	1
161779	60	234	4	168322	61	242	2	174893	48	166	2	178780	62	250	1
161800	60	234	5	168581	62	249	2	174894	48	166	1	178812	68	279	3
161859	60	234	6	169248	69	283	5	174898	65	266	5	178813	63	260	1
161878	60	234	7	169265	71	294	3	174913	59	223	2	178815	27	7	149
161895	60	234	10	169983	35	57	2	174916	78	340	7	178823	65	265	84
161909	60	234	11	171354	71	295	2	174952	66	269	10	178824	70	293	12
161938	60	234	12	171356	71	295	3	174986	45	146	6	178831	70	289	2
162009	60	234	13	171482	71	295	4	174987	59	226	21	178837	58	223	24
162074	60	234	14	171900	70	292	1	174988	58	221	2	178838	58	223	25
162135	61	243	2	172056	70	292	2	177599	47	154	2	178878	54	200	26
162141	61	243	3	172127	68	282	1	177746	48	166	3	178879	43	132	16
162147	61	243	5	172374	69	287	1	177758	49	167	1	178910	75	318	1
162152	61	243	7	172378	69	287	2	177951	71	293	23	178973	62	253	1
162233	61	243	8	172380	69	287	3	177954	70	290	23	179006	43	133	3
162289	61	243	9	172401	69	287	4	177970	64	262	55	179030	70	290	18
162293	61	243	10	172415	69	287	5	177972	45	146	13	179045	60	240	7
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162395	61	243	13	172449	69	287	7	177979	66	269	14	179269	59	226	3
162402	61	243	15	172465	69	287	8	177995	45	146	5	179357	59	226	14
162407	61	243	16	172922	47	155	2	178023	54	199	26	179361	59	226	9
162423	61	243	18	173010	67	272	1	178067	54	199	29	179362	40	107	1
162453	61	243	19	173020	66	269	5	178218	44	137	14	179366	28	8	4
162454	61	243	20	173028	67	272	3	178220	44	137	6	179380	54	200	24
162462	61	243	21	173029	44	137	12	178232	44	137	8	179390	61	243	4
162474	61	243	22	173047	26	7	129	178233	44	137	9	179400	30	20	18
162485	61	243	24	173050	26	7	128	178237	44	137	7	186376	27	7	147
162510	61	243	25	173063	26	7	48	178264	43	133	2	186428	72	301	1
162547	61	243	26	173064	66	269	9	178273	43	133	7	186464	69	226	11
162560	60	241	1	173091	67	272	10	178349	78	340	1	186471	69	226	20
162816	61	246	1	173108	66	269	11	178363	78	340	2	186487	69	230	5
162826	61	246	2	173111	55	209	10	178364	78	340	3	186507	52	195	23
162873	61	246	4	173112	67	277	4	178378	78	340	5	186528	69	226	4
162883	61	246	5	173140	67	272	6	178392	78	340	4	186532	69	228	1



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186547	59	226	6	187876	62	249	4	189618	65	266	2	190747	45	144	28
186570	57	219	36	187955	26	7	131	189619	66	269	8	190754	64	262	47
186575	59	226	5	187981	59	225	37	189625	56	212	5	190776	45	146	4
186578	73	311	22	188002	53	199	13	189636	73	311	4	190786	35	58	1
186586	59	226	17	188003	58	199	11	189639	65	268	57	190810	62	255	1
186589	59	226	18	188026	58	225	22	189656	27	7	150	190821	62	254	2
186810	59	226	15	188028	44	137	13	189660	64	264	2	190872	45	147	1
186832	26	7	100	188031	63	258	1	189779	71	295	1	190877	44	135	5
186856	55	207	12	188076	68	279	8	189791	58	221	3	190901	52	195	12
186959	61	246	3	188077	64	262	46	189792	67	272	12	190908	62	252	1
186992	59	227	9	188079	67	271	92	189816	69	283	13	191039	26	7	127
187045	60	234	8	188109	59	226	12	189897	50	175	1	191055	49	172	5
187047	60	234	9	188131	78	341	1	189949	34	50	1	191217	37	279	5
187048	64	262	45	188160	61	243	1	189951	76	381	5	191251	67	272	5
187049	61	243	23	188175	67	272	9	189953	34	50	6	191327	29	12	19
187058	70	289	1	188192	66	272	16	189992	34	50	8	191328	28	7	294
187065	59	226	16	188320	59	226	73	190152	76	331	2	191329	28	7	295
187108	60	240	1	188332	61	243	12	190153	74	320	2	191399	34	50	10
187151	27	7	144	188333	58	223	5	190362	45	144	27	191586	76	328	8
187171	53	196	29	188336	61	243	6	190376	40	108	1	191672	29	12	8
187175	58	225	19	188369	50	178	3	190377	74	314	1	191691	68	280	1
187189	44	134	1	188373	59	226	19	190381	52	192	15	191758	41	111	1
187208	71	294	8	188374	28	8	3	190405	62	253	2	192189	29	12	20
187239	27	7	151	188455	62	249	5	190432	52	192	3	192200	52	192	38
187448	67	272	8	188457	52	193	8	190439	65	268	62	192201	52	192	36
187453	58	224	2	188757	59	230	1	190479	41	112	2	192368	47	154	7
187502	66	267	56	188764	58	221	1	190496	67	274	1	192731	58	224	1
187528	59	226	8	188767	64	264	3	190532	45	146	7	192745	28	9	1
187578	61	244	1	188770	66	269	4	190533	45	146	9	192746	28	9	2
187612	27	7	173	188927	58	221	4	190535	37	74	1	193244	52	192	35
187613	65	266	8	188943	52	195	17	190558	62	251	2	193460	74	311	75
187618	61	243	17	188952	66	269	3	190564	50	176	1				
187690	41	113	2	188954	62	249	3	190565	63	258	2				
187709	59	230	3	188973	62	249	1	190566	45	144	26				
187733	52	195	15	188993	67	273	4	190570	45	144	24				
187734	59	230	4	189099	44	139	1	190574	42	128	2				
187738	59	226	7	189106	58	281	1	190640	45	148	1				
187743	59	226	1	189120	67	271	91	190678	26	7	101				
187746	45	144	11	189124	59	226	10	190679	27	7	142				
187801	52	194	1	189317	28	9	3	190698	45	144	17				
187804	60	233	1	189359	53	198	9	190723	45	144	22				
187805	60	238	1	189395	24	4	29	190724	45	144	23				
187833	59	229	1	189430	59	226	2	190743	62	254	1				
187836	59	230	2	189585	65	265	76	190744	42	128	1				
187868	45	144	29	189603	71	298	2	190745	77	335	1				



GROUP 1 ADAPTER—GREASE GUN, PUSH TYPE



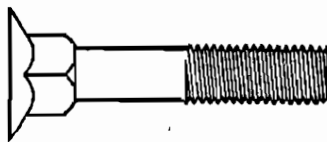
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	L.					
1	7/16	2		.....	S	Cad	▼111301

GROUP 2 BALL—STEEL



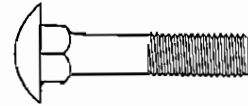
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.						
1	1/8			.....	S	Pln	115529
2	5/32			.....	S	Pln	115527
3	3/16			.....	S	Pln	104916
4	7/32			.....	S	Pln	104917
5	1/4			12	S	Pln	104918
6	9/32			.....	S	Pln	114861
7	5/16			12	S	Pln	104919
8	11/32			12	S	Pln	119282
9	3/8			6	S	Pln	104920
10	7/16			.....	S	Pln	104921
11	1/2			.....	S	Pln	104922
12	9/16			.....	S	Pln	104923
13	5/8			.....	S	Pln	104924
14	3/4			9	S	Pln	104927

GROUP 3 BOLT—CARRIAGE, FLAT COUNTERSUNK HEAD



ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	1/4	20 NC	1/4	.....	S	Cad	187480
2	1/4	20 NC	1 1/4	.....	S	Pkd	137177
3	1/4	20 NC	2	.....	S	Pkd	137275
4	1/4	20 NC	2 1/4	.....	S	Pln	117512
5	1/4	20 NC	2 3/4	.....	S	Pln	112551
6	1/4	20 NC	3 1/4	.....	S	Pkd	140357
7	1/4	20 NC	3 3/4	.....	S	Pln	127421
8	5/16	18 NC	1 3/4	.....	S	Pkd	137154
9	5/16	18 NC	2	.....	S	Pln	101473
10	5/16	18 NC	3 1/2	.....	S	Pln	101476
11	5/16	18 NC	3 3/4	.....	S	Pkd	137542
12	5/16	18 NC	4	.....	S	Pln	101477
13	5/16	18 NC	6 3/4	.....	S	Pln	120065
14	3/8	16 NC	3	.....	S	Pln	101541
15	3/8	16 NC	3	.....	S	Pkd	135610

GROUP 4 BOLT—CARRIAGE, ROUND HEAD



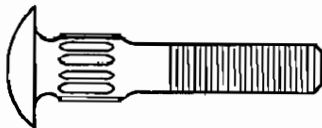
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	No. 10	24 NC	5/8	12	S	Pkd	▼126195
2	No. 10	24 NC	1 3/8	.....	S	Pln	117492
3	No. 10	24 NC	1 3/8	12	S	Cad	▼126286
4	1/4	20 NC	1/2	30	S	Cad	▼110356
5	1/4	20 NC	5/8	.....	S	Chr	110191
6	1/4	20 NC	3/4	12	S	Pkd	▼118597
7	1/4	20 NC	7/8	.....	S	Cad	126311
8	1/4	20 NC	1	12	S	Cad	▼126315
9	1/4	20 NC	1 1/4	.....	S	Cad	126325
10	1/4	20 NC	1 3/8	.....	S	Cad	126330
11	1/4	20 NC	1 1/2	.....	S	Cad	126385
12	1/4	20 NC	1 3/4	.....	S	Cad	126339
13	1/4	20 NC	2	.....	S	Cad	126344
14	1/4	20 NC	2 1/2	.....	S	Cad	126609
15	1/4	20 NC	3	.....	S	Cad	126619
16	1/4	20 NC	3 1/4	.....	S	Pkd	126626
17	1/4	20 NC	3 1/2	.....	S	Cad	126629
18	1/4	20 NC	4	.....	S	Pkd	126639
19	1/4	20 NC	5	.....	S	Cad	126647
20	1/4	20 NC	6	.....	S	Cad	126912
21	1/4	20 NC	7 1/2	.....	S	Cad	126927
22	5/16	18 NC	3/4	.....	S	NP	126217
23	5/16	18 NC	1	8	S	Cad	▼126358
24	5/16	18 NC	1 1/2	.....	S	Cad	126373
25	5/16	18 NC	1 1/2	.....	S	NP	126374
26	5/16	18	1 5/8	.....	S	Pln	117499
27	5/16	18 NC	2	.....	S	Cad	126380
28	5/16	18 NC	3	.....	S	Cad	126662
29	5/16	18 NC	3 1/4	.....	S	Chr	189395
30	5/16	18 NC	3 1/2	.....	S	Pkd	126673
31	5/16	18 NC	3 3/4	.....	S	Cad	126676
32	5/16	18 NC	4 1/2	.....	S	Pkd	126688
33	5/16	18 NC	5 1/2	.....	S	Pkd	126954
34	5/16	18 NC	6	.....	S	Cad	126957
35	5/16	18 NC	6 1/2	.....	S	Pln	109766
36	5/16	18 NC	7 1/2	.....	S	Pkd	126974
37	5/16	18 NC	8	.....	S	Cad	126977
38	5/16	18 NC	10	.....	S	Cad	127212
39	5/16	18 NC	10 1/2	.....	S	Cad	110299
40	5/16	18 NC	11 1/2	.....	S	Pln	116400
41	5/16	18 NC	11 3/4	.....	S	Cad	109392
42	5/16	18 NC	12	.....	S	Cad	127222
43	5/16	18 NC	13	.....	S	Cad	127227
44	5/16	18 NC	14	.....	S	Cad	127232
45	5/16	18 NC	15	.....	S	Cad	127237
46	3/8	16 NC	3/4	.....	S	Cad	126227
47	3/8	16 NC	7/8	.....	S	Cad	126390
48	3/8	16 NC	1 1/4	14	S	Cad	▼126402
49	3/8	16 NC	1 1/2	.....	S	Cad	126411
50	3/8	16 NC	1 3/8	.....	S	Pln	117500
51	3/8	16 NC	2	.....	S	Cad	126419
52	3/8	16 NC	2 1/4	.....	S	Cad	126696
53	3/8	16 NC	3 1/4	.....	S	Cad	126710
54	3/8	16 NC	3 3/4	.....	S	Pkd	126722
55	3/8	16 NC	4	.....	S	Pkd	126726
56	3/8	16 NC	5	.....	S	Cad	126734



GROUP 4 BOLT—Carriage, Round Head (Cont'd)

ITEM NO.	DIMENSIONS			L.	U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.						
57	3/8	16 NC	5 1/2	.....	S	Cad	126997
58	3/8	16 NC	7	.....	S	Cad	127012
59	3/8	16 NC	7 1/2	.....	S	Pkd	127019
60	3/8	16 NC	9	.....	S	Pkd	127034
61	3/8	16 NC	9 1/2	.....	S	Pkd	127039
62	3/8	16 NC	10	.....	S	Pkd	127249
63	3/8	16 NC	12	.....	S	Pkd	127259
64	3/8	16 NC	14	.....	S	Pkd	127269
65	7/16	14 NC	1	.....	S	Cad	126433
66	7/16	14 NC	1 1/4	.....	S	Cad	126442
67	7/16	14 NC	2	.....	S	Cad	126460
68	7/16	14 NC	2 3/4	.....	S	Pkd	126746
69	7/16	14 NC	3	.....	S	Cad	126749
70	7/16	14 NC	4	.....	S	Cad	126769
71	7/16	14 NC	5	.....	S	Cad	126779
72	7/16	14 NC	5 1/2	.....	S	Cad	127042
73	7/16	14 NC	7	.....	S	Pkd	127059
74	1/2	13 NC	1 1/2	.....	S	Cad	120917
75	1/2	13 NC	2	.....	S	Cad	126504
76	1/2	13 NC	2 1/4	.....	S	Pkd	121714
77	1/2	13 NC	2 1/2	.....	S	Cad	126734
78	1/2	13 NC	3	.....	S	Pkd	126795
79	1/2	13 NC	3 1/4	.....	S	Pkd	126800
80	1/2	13 NC	3 1/2	.....	S	Cad	126803
81	1/2	13 NC	3 3/4	.....	S	Pkd	126810
82	1/2	13 NC	4 1/4	.....	S	Cad	125720
83	1/2	13 NC	4 1/2	.....	S	Cad	126817
84	1/2	13 NC	5	.....	S	Pkd	126824
85	1/2	13 NC	5 1/2	.....	S	Cad	127087
86	1/2	13 NC	6	.....	S	Cad	127092
87	1/2	13 NC	12	.....	S	Cad	127327
88	5/8	11 NC	3	.....	S	Cad	126838
89	5/8	11 NC	4 1/2	.....	S	Cad	126865

GROUP 5 BOLT—CARRIAGE, ROUND HEAD, RIBBED NECK



15
18
19

1	1/4	20 NC	7/8	.....	S	Cad	137432
2	1/4	20 NC	1	.....	S	Cad	137433
3	1/4	20 NC	1 1/2	.....	S	Cad	137434
4	1/4	20 NC	4	.....	S	Pkd	135532
5	1/4	20 NC	5 1/2	.....	S	Pkd	135536
6	1/4	20 NC	5 3/4	.....	S	Pkd	135537
7	5/16	18 NC	3 1/2	.....	S	Pkd	135547
8	5/16	18 NC	4	.....	S	Pkd	135549
9	5/16	18 NC	4 1/4	.....	S	Pkd	135550
10	5/16	18 NC	4 1/2	.....	S	Pkd	135551
11	5/16	18 NC	4 3/4	.....	S	Pkd	135552
12	5/16	18 NC	5 1/2	.....	S	Pkd	135555
13	5/16	18 NC	5 3/4	.....	S	Pkd	135556
14	5/16	18 NC	6	.....	S	Pkd	135557
15	5/16	18 NC	6 1/4	.....	S	Pkd	135558
16	5/16	18 NC	6 1/2	.....	S	Pkd	135559
17	5/16	18 NC	6 3/4	.....	S	Pkd	135560

GROUP 5 BOLT—Carriage, Round Head, Ribbed Neck (Cont'd)

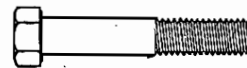
ITEM NO.	DIMENSIONS			L.	U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.						
18	5/16	18 NC	7	.....	S	Pkd	135561
19	5/16	18 NC	7 1/4	.....	S	Pkd	135562
20	5/16	18 NC	7 1/2	.....	S	Pkd	135563
21	5/16	18 NC	8 1/2	.....	S	Pkd	135567
22	5/16	18 NC	9	.....	S	Pkd	135569
23	5/8	16 NC	3	.....	S	Pkd	135576
24	3/8	16 NC	3 1/2	.....	S	Pkd	135578
25	3/8	16 NC	4 1/2	.....	S	Pkd	140193
26	3/8	16 NC	6	.....	S	Pkd	135582
27	3/8	16 NC	6 1/2	.....	S	Pkd	135584
28	3/8	16 NC	8	.....	S	Pkd	135587
29	3/8	16 NC	8 1/2	.....	S	Pkd	135588
30	3/8	16 NC	9	.....	S	Pkd	135589
31	3/8	16 NC	9 1/2	.....	S	Pkd	135590
32	3/8	16 NC	10	.....	S	Pkd	135591
33	3/8	16 NC	11	.....	S	Pkd	135593
34	3/8	16 NC	12	.....	S	Pkd	135595
35	3/8	16 NC	12 1/2	.....	S	Pkd	135596
36	3/8	16 NC	13 1/2	.....	S	Pkd	135597
37	1/2	13 NC	3 1/4	.....	S	Pkd	135600
38	1/2	13 NC	4	.....	S	Pkd	138009
39	1/2	13 NC	7 1/2	.....	S	Pkd	135603
40	1/2	13 NC	10	.....	S	Pkd	135604

GROUP 6 BOLT—HEXAGON HEAD, CLASS 2 THREADS



1 No.10 32 NC 3/8 20 S Cad 178451

GROUP 7 BOLT—HEXAGON HEAD, CLASS 3 THREADS



1	1/4	20 NC	3/8	.....	Br	Pln	111652
2	1/4	20 NC	1/2	15	S	Cad	120706
3	1/4	20 NC	5/8	.....	S	Cad	121867
4	1/4	20 NC	3/4	18	S	Cad	120854
5	1/4	20 NC	1 1/8	12	S	Cad	121879
6	1/4	20 NC	3/4	10	S	Chr	121888
7	1/4	20 NC	1	15	S	Cad	121900
8	1/4	20 NC	1 1/4	15	S	Cad	121913
9	1/4	20 NC	1 1/2	.....	S	Cad	121926
10	1/4	20 NC	1 3/4	.....	S	Cad	121940
11	1/4	20 NC	1 7/8	.....	S	Pkd	121950
12	1/4	20 NC	2	.....	S	Cad	121954
13	1/4	20 NC	2 1/2	.....	S	Cad	121966
14	1/4	20 NC	3	.....	S	Pkd	121982
15	1/4	20 NC	3 3/4	.....	S	Pkd	114097
16	1/4	28 NF	1/2	12	S	Cad	123316
17	1/4	28 NF	1/2	.....	Br	Pln	118200
18	1/4	28 NF	1/2	.....	Br	NP	118050

Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 7 BOLT—Hexagon, Head, Class 3 Threads (Cont'd)

ITEM NO.	DIA.	THD.	L.	U. P.	MAT.	FIN.	PART NO.
19	1/4	28 NF	3/16	18	S	Cad	▼123325
20	1/4	28 NF	5/8	.....	Br	Pln	117103
21	1/4	28 NF	5/8	.....	Br	NP	115124
22	1/4	28 NF	3/4	10	S	Chr	▼123451
23	1/4	28 NF	7/8	.....	S	Chr	123457
24	1/4	28 NF	1	15	S	Cad	▼123461
25	1/4	28 NF	1 1/4	.....	S	Cad	123737
26	1/4	28 NF	1 1/2	.....	S	Cad	123749
27	1/4	28 NF	1 3/4	.....	S	Cad	123762
28	1/4	28 NF	2	.....	S	Cad	124053
29	1/4	28 NF	2 1/2	5	S	Cad	▼124064
30	1/4	28 NF	3 1/4	.....	S	Pln	103658
31	5/16	18 NC	7/16	12	S	Cad	▼121558
32	5/16	18 NC	5/8	15	S	Cad	▼120228
33	5/16	18 NC	3/4	15	S	Cad	▼122007
34	5/16	18 NC	1	12	S	Cad	▼122017
35	5/16	18 NC	1	.....	S	Chr	122018
36	5/16	18 NC	1 1/4	.....	S	Cad	122027
37	5/16	18 NC	1 1/4	.....	S	NP	108200
38	5/16	18 NC	1 3/8	5	S	Chr	▼122034
39	5/16	18 NC	1 1/2	.....	S	Cad	122040
40	5/16	18 NC	1 3/4	.....	S	Cad	122052
41	5/16	18 NC	2	.....	S	Cad	122065
42	5/16	18 NC	2 1/8	.....	S	Pln	108607
43	5/16	18 NC	2 3/8	.....	S	Pln	113878
44	5/16	18 NC	2 1/2	.....	S	Cad	122077
45	5/16	18 NC	2 5/8	.....	S	Cad	119482
46	5/16	18 NC	3	.....	S	Cad	122089
47	5/16	18 NC	3	.....	S	Pkd	122092
48	5/16	18 NC	3 1/2	4	S	Cad	▼173063
49	5/16	24 NF	3 3/4	.....	S	Pln	113846
50	5/16	18 NC	4	4	S	Pln	▼100130
51	5/16	18 NC	4 1/4	.....	S	Pln	119311
52	5/16	18 NC	4 1/2	.....	S	Pln	100131
53	5/16	18 NC	5	.....	S	Pkd	116418
54	5/16	18 NC	6 1/2	.....	S	Pkd	137272
55	5/16	24 NF	5/16	.....	S	Pln	121830
56	5/16	24 NF	5/8	15	S	Cad	▼123473
57	5/16	24 NF	5/8	.....	S	NP	107868
58	5/16	24 NF	3/4	15	S	Cad	▼120741
59	5/16	24 NF	13/16	.....	S	Pkd	125741
60	5/16	24 NF	1	16	S	Cad	▼121661
61	5/16	24 NF	1 1/8	.....	S	Cad	123499
62	5/16	24 NF	1 1/4	8	S	Cad	▼123774
63	5/16	24 NF	1 1/2	8	S	Cad	▼123785
64	5/16	24 NF	1 3/4	.....	S	Cad	123798
65	5/16	24 NF	2	.....	S	Cad	121783
66	5/16	24 NF	2 1/4	.....	S	Cad	124088
67	5/16	24 NF	2 1/2	.....	S	Cad	124094
68	5/16	24 NF	2 3/4	.....	S	Cad	124100
69	5/16	24 NF	3	.....	S	Pkd	120038
70	5/16	24 NF	3 1/8	.....	S	Pln	114779
71	5/16	24 NF	3 1/2	.....	S	Pkd	100021
72	5/16	24 NF	4 1/2	.....	S	Pln	100023
73	5/16	24 NF	5	.....	S	Cad	147600
74	5/16	24 NF	5 1/2	.....	S	Pln	134595
75	3/8	16 NC	1/2	.....	S	Cad	121852
76	3/8	16 NC	5/8	.....	S	Cad	122104
77	3/8	16 NC	11/16	.....	S	Pkd	122115

GROUP 7 BOLT—Hexagon Head, Class 3 Threads (Cont'd)

ITEM NO.	DIA.	THD.	L.	U. P.	MAT.	FIN.	PART NO.
78	3/8	16 NC	3/4	.....	S	Cad	122119
79	3/8	16 NC	7/8	.....	S	Cad	122126
80	3/8	16 NC	1	10	S	Cad	▼120233
81	3/8	16 NC	1 1/8	.....	S	Cad	122138
82	3/8	16 NC	1 1/4	.....	S	Cad	122145
83	3/8	16 NC	1 1/2	8	S	Cad	▼120918
84	3/8	16 NC	1 3/4	.....	S	Cad	122168
85	3/8	16 NC	2	.....	S	Cad	122181
86	3/8	16 NC	2 1/8	12	S	Pln	108608
87	3/8	16 NC	2 1/4	.....	S	Cad	122188
88	3/8	16 NC	2 3/8	.....	S	Pln	113885
89	3/8	16 NC	2 1/2	.....	S	Cad	122194
90	3/8	16 NC	2 3/4	.....	S	Cad	122201
91	3/8	16 NC	3	.....	S	Cad	122207
92	3/8	16 NC	3	.....	S	Pkd	122210
93	3/8	16 NC	3 1/2	.....	S	Pkd	123913
94	3/8	16 NC	3 3/4	.....	S	Pln	112609
95	3/8	16 NC	4	.....	S	Pln	100142
96	3/8	16 NC	4 1/2	.....	S	Pln	100143
97	3/8	16 NC	4 3/4	.....	S	Cad	111293
98	3/8	16 NC	5	.....	S	Cad	115253
99	3/8	16 NC	5 1/4	.....	S	Pln	121659
100	3/8	16 NC	5 3/4	.....	S	Pln	▼186832
101	3/8	16 NC	6	.....	S	Pkd	▼190678
102	3/8	16 NC	6 1/4	.....	S	Pln	116399
103	3/8	16 NC	8	.....	S	Pln	121275
104	3/8	24 NF	3/8	.....	S	Pln	123364
105	3/8	24 NF	1/2	12	S	Cad	▼123382
106	3/8	24 NF	3/4	12	S	Cad	▼123520
107	3/8	24 NF	1	10	S	Cad	▼120647
108	3/8	24 NF	1	.....	S	NP	107889
109	3/8	24 NF	1 1/4	8	S	Cad	▼121615
110	3/8	24 NF	1 1/2	10	S	Cad	▼120677
111	3/8	24 NF	1 3/4	.....	S	Chr	123331
112	3/8	24 NF	2 1/8	.....	S	Pln	112508
113	3/8	24 NF	2 3/8	.....	S	Pln	112517
114	3/8	24 NF	2 1/2	.....	S	Cad	120640
115	3/8	24 NF	2 3/4	.....	S	Cad	120669
116	3/8	24 NF	3	.....	S	Cad	124128
117	3/8	24 NF	3 1/4	.....	S	Cad	142261
118	3/8	24 NF	3 1/2	.....	S	Pkd	▼100033
119	3/8	24 NF	3 5/8	.....	S	Pln	117466
120	3/8	24 NF	3 3/4	.....	S	Pln	113847
121	3/8	24 NF	3 3/4	.....	S	Cad	125926
122	3/8	24 NF	4	.....	S	Cad	126167
123	3/8	24 NF	4 1/8	.....	S	Pln	103817
124	3/8	24 NF	4 1/2	.....	S	Pln	100035
125	3/8	24 NF	4 3/4	.....	S	Cad	125734
126	3/8	24 NF	5 1/4	.....	S	Cad	107268
127	3/8	24 NF	5 3/8	.....	S	Cad	▼191039
128	3/8	24 NF	5 3/4	.....	S	Cad	▼173050
129	3/8	24 NF	6	.....	S	Cad	173047
130	3/8	24 NF	6 1/4	.....	S	Pln	▼137282
131	3/8	24 NF	6 1/4	.....	S	Cad	▼187955
132	3/8	24 NF	7	.....	S	Cad	147925
133	7/16	14 NC	1/2	.....	S	Cad	121859
134	7/16	14 NC	3/4	.....	S	Cad	122239
135	7/16	14 NC	1	.....	S	Cad	122253
136	7/16	14 NC	1 1/4	.....	S	Cad	122267
137	7/16	14 NC	1 3/8	6	S	Cad	▼122273

▼ indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 7 BOLT—Hexagon Head, Class 3 Threads (Cont'd)

GROUP 7 BOLT—Hexagon Head, Class 3 Threads (Cont'd)

ITEM NO.	DIA.	THD.	L.	U. P.	MAT.	FIN.	PART NO.
138	7/16	14 NC	1 1/2	.....	S	Cad	122279
139	7/16	14 NC	1 3/4	.....	S	Cad	122293
140	7/16	14 NC	2	.....	S	Cad	122307
141	7/16	14 NC	2 1/2	.....	S	Cad	122320
142	7/16	14 NC	2 5/8	.....	S	Pln	190679
143	7/16	14 NC	3	.....	S	Cad	122333
144	7/16	14 NC	3 3/8	.....	S	Pln	187151
145	7/16	14 NC	3 1/2	.....	S	Cad	122348
146	7/16	14 NC	4	.....	S	Cad	122362
147	7/16	14 NC	4 3/8	.....	S	Cad	186376
148	7/16	14 NC	4 1/4	.....	S	Cad	148057
149	7/16	14 NC	5	.....	S	Cad	178815
150	7/16	14 NC	5 1/2	.....	S	Pkd	▼189656
151	7/16	14 NC	5 3/4	.....	S	Cad	▼187239
152	7/16	14 NC	7	.....	S	Pkd	111155
153	7/16	14 NC	9 1/2	.....	S	Pkd	142933
154	7/16	14 NC	10	.....	S	Pkd	141625
155	7/16	20 NF	1/2	5	S	Cad	▼123400
156	7/16	20 NF	11/16	.....	S	Cad	123547
157	7/16	20 NF	3/4	.....	S	Pkd	▼123558
158	7/16	20 NF	7/8	6	S	Cad	▼123561
159	7/16	20 NF	1	.....	S	Cad	123567
160	7/16	20 NF	1 1/8	5	S	Cad	▼123572
161	7/16	20 NF	1 1/4	.....	S	Cad	123841
162	7/16	20 NF	1 1/2	6	S	Cad	▼123852
163	7/16	20 NF	1 3/4	6	S	Cad	▼120919
164	7/16	20 NF	1 7/8	.....	S	Cad	123869
165	7/16	20 NF	2	.....	S	Cad	124133
166	7/16	20 NF	2 3/4	.....	S	Cad	124150
167	7/16	20 NF	3	.....	S	Cad	124155
168	7/16	20 NF	3 1/2	.....	S	Cad	124358
169	7/16	20 NF	3 5/8	.....	S	Pln	121269
170	7/16	20 NF	3 3/4	.....	S	Cad	124364
171	7/16	20 NF	4	.....	S	Cad	124372
172	7/16	20 NF	4 1/4	.....	S	Cad	125683
173	7/16	20 NF	4 1/2	.....	S	Cad	▼187612
174	7/16	20 NF	4 3/4	.....	S	Pln	124057
175	1/2	13 NC	1/2	.....	S	Cad	125563
176	1/2	13 NC	5/8	.....	S	Cad	122378
177	1/2	13 NC	3/4	.....	S	Cad	122394
178	1/2	13 NC	1	.....	S	Cad	122408
179	1/2	13 NC	1 1/4	.....	S	Cad	120426
180	1/2	13 NC	1 1/2	.....	S	Cad	122433
181	1/2	13 NC	1 7/8	.....	S	Cad	122452
182	1/2	13 NC	2	.....	S	Cad	▼122459
183	1/2	13 NC	2 3/8	.....	S	Pln	108610
184	1/2	13 NC	2 3/8	.....	S	Pln	113887
185	1/2	13 NC	3	.....	S	Cad	▼120237
186	1/2	13 NC	3 1/4	.....	S	Cad	122491
187	1/2	13 NC	3 3/4	.....	S	Cad	122505
188	1/2	13 NC	4	.....	S	Cad	122513
189	1/2	13 NC	5	.....	S	Pln	100168
190	1/2	13 NC	5 1/2	.....	S	Pln	▼119471
191	1/2	20 NF	1/2	.....	S	Cad	123418
192	1/2	20 NF	5/8	.....	S	Pkd	123581
193	1/2	20 NF	3/4	.....	S	Cad	123593
194	1/2	20 NF	1	.....	S	Cad	123605
195	1/2	20 NF	1 1/4	.....	S	Cad	120424

ITEM NO.	DIA.	THD.	L.	U. P.	MAT.	FIN.	PART NO.
196	1/2	20 NF	1 1/2	4	S	Cad	▼120234
197	1/2	20 NF	1 3/4	.....	S	NP	107930
198	1/2	20 NF	1 7/8	.....	S	Cad	123899
199	1/2	20 NF	2	.....	S	Cad	124169
200	1/2	20 NF	2	.....	S	Chr	124170
201	1/2	20 NF	2 1/4	.....	S	Cad	124174
202	1/2	20 NF	2 3/8	.....	S	Pln	112519
203	1/2	20 NF	2 1/2	.....	S	Cad	124180
204	1/2	20 NF	2 5/8	.....	S	Pln	121268
205	1/2	20 NF	2 3/4	.....	S	Cad	124186
206	1/2	20 NF	3	.....	S	Cad	124193
207	1/2	20 NF	3 1/2	.....	S	Pkd	124381
208	1/2	20 NF	3 3/4	.....	S	Cad	124384
209	1/2	20 NF	4	.....	S	Cad	124392
210	1/2	20 NF	4 1/2	.....	S	Pln	100059
211	1/2	20 NF	5	.....	S	Cad	126038
212	1/2	20 NF	5 1/4	.....	S	Pkd	142284
213	1/2	20 NF	5 3/4	.....	S	Cad	127785
214	1/2	20 NF	5 3/4	.....	S	Pkd	128327
215	1/2	20 NF	6	.....	S	Cad	110190
216	1/2	20 NF	7 1/4	.....	S	Cad	148056
217	1/2	20 NF	7 1/2	.....	S	Cad	147912
218	1/2	20 NF	8 1/4	.....	S	Cad	147914
219	1/2	20 NF	9 1/2	.....	S	Pkd	136854
220	9/16	12 NC	3/4	.....	S	Cad	122536
221	9/16	12 NC	1	.....	S	Cad	122550
222	9/16	12 NC	1 1/16	.....	S	Cad	120895
223	9/16	12 NC	1 1/2	.....	S	Cad	122577
224	9/16	12 NC	1 3/4	.....	S	Cad	120896
225	9/16	12 NC	3	.....	S	Cad	122630
226	9/16	12 NC	3 1/2	.....	S	Cad	122645
227	9/16	12 NC	4 1/2	.....	S	Pln	100179
228	9/16	18 NF	1 1/8	.....	S	Cad	123650
229	9/16	18 NF	1 1/2	.....	S	Pkd	123921
230	9/16	18 NF	1 7/8	.....	S	Pkd	123939
231	9/16	18 NF	2	.....	S	Cad	124206
232	9/16	18 NF	2 1/4	.....	S	Cad	124212
233	9/16	18 NF	2 3/4	.....	S	Cad	124224
234	9/16	18 NF	3	.....	S	Cad	124230
235	9/16	18 NF	3 1/4	.....	S	Pkd	124240
236	9/16	18 NF	3 1/2	.....	S	Cad	124398
237	9/16	18 NF	4	.....	S	Cad	124412
238	9/16	18 NF	4 3/4	.....	S	Pln	112372
239	9/16	18 NF	4 1/2	.....	S	Pln	100071
240	9/16	18 NF	5	.....	S	Pkd	100072
241	9/16	18 NF	5	.....	S	Pkd	131672
242	9/16	18 NF	5 1/4	.....	S	Pln	127921
243	9/16	18 NF	6 3/4	.....	S	Pkd	▼140105
244	5/8	11 NC	3/4	.....	S	Cad	122682
245	5/8	11 NC	1	.....	S	Cad	122696
246	5/8	11 NC	1 1/8	.....	S	Cad	122703
247	5/8	11 NC	1 1/4	.....	S	Cad	122710
248	5/8	11 NC	1 3/8	.....	S	Cad	122717
249	5/8	11 NC	1 1/2	.....	S	Cad	122724
250	5/8	11 NC	1 5/8	.....	S	Cad	▼122731
251	5/8	11 NC	1 3/4	.....	S	Cad	▼122738
252	5/8	11 NC	1 7/8	.....	S	Cad	122744
253	5/8	11 NC	1 7/8	.....	S	Pkd	122747

indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

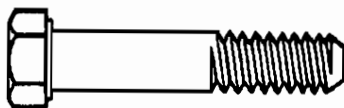
Specifications subject to change without notice.



GROUP 7 BOLT—Hexagon Head, Class 3 Threads (Cont'd)

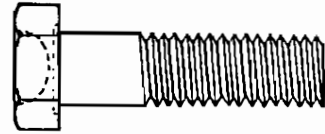
ITEM NO.	DIMENSIONS			L.	U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.						
254	5/8	11 NC	2		.....	S	Cad	▼122751
255	5/8	11 NC	2 1/2		.....	S	Pkd	122767
256	5/8	11 NC	2 3/4		.....	S	Cad	122771
257	5/8	11 NC	3		.....	S	Cad	122777
258	5/8	11 NC	3		.....	S	Pkd	122780
259	5/8	11 NC	3 1/4		.....	S	Pkd	122788
260	5/8	11 NC	3 1/2		.....	S	Cad	122792
261	5/8	18 NF	1		.....	S	Cad	123683
262	5/8	18 NF	1 1/2		.....	S	Cad	123954
263	5/8	18 NF	1 5/8		.....	S	Cad	▼123961
264	5/8	18 NF	1 5/8		.....	S	Pkd	▼123964
265	5/8	18 NF	1 3/8		.....	S	Cad	123973
266	5/8	18 NF	2		.....	S	Cad	▼124244
267	5/8	18 NF	2 1/4		.....	S	Cad	▼124250
268	5/8	18 NF	2 1/2		.....	S	Cad	124256
269	5/8	18 NF	2 3/4		.....	S	Pkd	124265
270	5/8	18 NF	3		.....	S	Cad	124268
271	5/8	18 NF	3 1/2		.....	S	Cad	124418
272	5/8	18 NF	4		.....	S	Cad	124432
273	5/8	18 NF	4 1/2		.....	S	Pkd	124449
274	5/8	18 NF	4 3/4		.....	S	Cad	125624
275	5/8	18 NF	5 1/2		.....	S	Pkd	114092
276	3/4	10 NC	3/4		.....	S	Cad	122828
277	3/4	10 NC	1 1/4		.....	S	Cad	122856
278	3/4	10 NC	1 1/2		.....	S	Pkd	▼122877
279	3/4	10 NC	1 3/4		.....	S	Pkd	122891
280	3/4	10 NC	2 1/4		.....	S	Pkd	122911
281	3/4	10 NC	4 1/2	1	.....	S	NP	108324
282	3/4	16 NF	1 1/8		.....	S	Cad	123713
283	3/4	16 NF	1 3/4		.....	S	Cad	▼124004
284	3/4	16 NF	2		.....	S	Cad	124282
285	3/4	16 NF	2 1/4		.....	S	Cad	124288
286	3/4	16 NF	2 1/2		.....	S	Cad	124294
287	3/4	16 NF	2 3/4		.....	S	Cad	124300
288	3/4	16 NF	3		.....	S	Cad	▼124306
289	3/4	16 NF	4 1/4		.....	S	Cad	124472
290	7/8	9 NC	2		.....	S	Pkd	123011
291	7/8	14 NF	5		.....	S	Cad	124536
292	1	8 NC	3 1/4		.....	S	Cad	123231
293	1	8 NC	3 3/4		.....	S	Cad	123245
294	1	8 NC	7		.....	S	Cad	191328
295	1	8 NC	8		.....	S	Cad	191329

GROUP 8 BOLT—Hexagon Head, Header Point



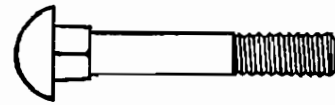
1	1/4	20 NC	7/8		.....	S	Pkd	144566
2	5/16	18 NC	3/4	12	.....	S	Cad	▼148596
3	5/16	18 NC	1 1/8	5	.....	S	Chr	▼188374
4	7/16	14 NC	4 1/4		.....	S	Cad	179366

GROUP 9 BOLT—Hexagon Head, Self-Locking Type



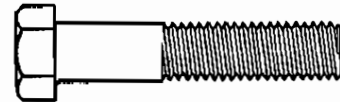
ITEM NO.	DIMENSIONS			L.	U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.						
1	5/8	11 NC	1 3/4		.....	S	Pkd	192745
2	5/8	11 NC	2 1/4		.....	S	Pkd	192746
3	5/8	11 NC	5		.....	S	Cad	189317

GROUP 10 BOLT—HUB



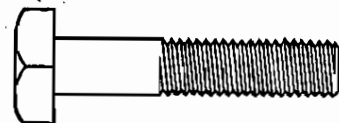
1	3/8	16	2		.....	S	Pln	112320
2	3/8	16	2 1/8		.....	S	Pln	112321
3	3/8	16	2 1/4		.....	S	Pln	112322
4	7/16	14	2 1/4		.....	S	Pln	112333
5	7/16	14	2 5/16		.....	S	Pln	117518
6	7/16	14	2 3/8		.....	S	Pln	112334
7	7/16	14	2 3/8		.....	S	Pln	112336
8	3/8	16	2 1/16		.....	S	Pln	114902
9	1/2	13	2 3/4		.....	S	Pln	112348

GROUP 11 BOLT—Machine, Hexagon Head



1	5/16	18 NC	1 1/2		.....	S	NP	137982
2	5/16	18 NC	1 3/4		.....	S	Pkd	140696
3	5/16	18 NC	2		.....	S	Pkd	140631
4	5/16	18 NC	2 1/2		.....	S	Pkd	140686
5	5/16	18 NC	5 1/2		.....	S	Pln	119751
6	5/16	18 NC	8		.....	S	Pln	119796
7	3/8	16 NC	6 1/2		.....	S	Pln	119770
8	7/16	14 NC	1/2		.....	S	Pln	124759
9	1/2	13 NC	5 1/2		.....	S	Pln	119754
10	7/16	14 NC	6 1/2		.....	S	Pkd	142230

GROUP 12 BOLT—Machine, Square Head



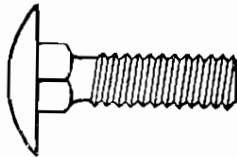
1	1/4	20 NC	7		.....	S	Pln	109335
2	1/4	20 NC	7 1/2		.....	S	Pln	119629
3	5/16	18 NC	3/4		.....	S	Cad	149535
4	5/16	18 NC	7/8		.....	S	Pkd	125031
5	5/16	18 NC	1		.....	S	Pkd	135609
6	5/16	18 NC	1 1/4		.....	S	Pkd	125039
7	5/16	18 NC	1 1/2		.....	S	Pkd	131512



GROUP 12 BOLT—Machine, Square Head (Cont'd)

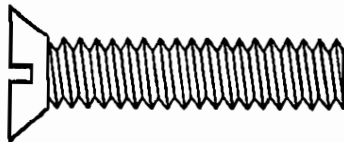
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
8	5/16	18 NC	2	.....	S	Pkd	191672
9	3/8	16 NC	3/4	.....	S	Pkd	142195
10	3/8	16 NC	1	.....	S	Pkd	125046
11	3/8	16 NC	1 1/4	.....	S	Pkd	137388
12	3/8	16 NC	2	.....	S	Pkd	125059
13	1/2	14 NC	3 1/2	.....	S	Pln	109210
14	1/2	14 NC	4	.....	S	Pkd	137389
15	1/2	13 NC	1 1/2	.....	S	Pkd	138008
16	1/2	13 NC	3	.....	S	Cad	142283
17	1/2	13 NC	10 1/2	.....	S	Cad	148335
18	3/4	10 NC	7 1/2	.....	S	Pln	119636
19	1	8 NC	4	.....	S	Cad	191327
20	1	8 NC	5 1/2	.....	S	Pkd	192189

GROUP 13 BOLT—STEP



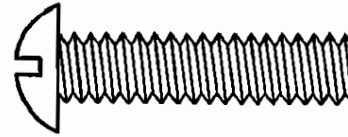
1	10	24 NC	1	5	S	Pkd	128336
2	10	24 NC	1 1/8	.....	S	Cad	128340
3	10	24 NC	4 3/4	.....	S	Pkd	131342
4	1/4	20 NC	2 1/2	.....	S	Cad	173259
5	1/4	20 NC	3 1/4	.....	S	Cad	128645
6	5/16	18 NC	1 5/8	.....	S	Pln	140793
7	5/16	18 NC	3 1/2	.....	S	Cad	128685
8	5/16	18 NC	4	.....	S	Cad	128694
9	5/16	18 NC	4 1/4	.....	S	Cad	131317
10	5/16	18 NC	4 3/4	.....	S	Cad	131350
11	5/16	18 NC	7 1/2	.....	S	Pkd	128922
12	3/8	16 NC	5/8	.....	S	Cad	128448
13	3/8	16 NC	1 1/4	.....	S	Pln	109025
14	3/8	16 NC	4 1/4	.....	S	Cad	131322
15	3/8	16 NC	4 1/2	.....	S	Cad	128936
16	3/8	16 NC	6 1/2	.....	S	Pkd	128958
17	3/8	16 NC	8	.....	S	Pkd	128976
18	3/8	16 NC	8 1/2	.....	S	Pkd	128982
19	3/8	16 NC	9	.....	S	Pkd	129132
20	3/8	16 NC	10	.....	S	Pkd	129144
21	1/2	14 NC	4 1/4	.....	S	Cad	131328
22	1/2	14 NC	6	.....	S	Cad	128999
23	1/2	14 NC	6 1/2	.....	S	Cad	129005
24	1/2	14 NC	7 1/2	.....	S	Cad	129017
25	1/2	14 NC	8	.....	S	Cad	129033
26	1/2	14 NC	13	.....	S	Pkd	125687

GROUP 14 BOLT—STOVE, FLAT HEAD



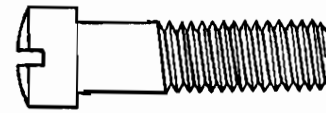
1	3/16	24	1 1/4	.....	S	Pln	100582
2	1/4	20	4	.....	S	Pln	112714
3	5/16	18	3 1/2	.....	S	Pln	112400
4	5/16	18	3 1/2	.....	S	Pkd	110917

GROUP 15 BOLT—STOVE, ROUND HEAD



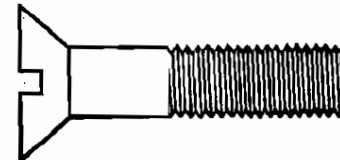
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	1/8	40	3/4	.....	S	Pln	100372
2	1/8	40	1	.....	S	Pln	100373
3	1/8	40	3	.....	S	Pln	100411
4	5/32	32	3/8	.....	S	Pln	115151
5	3/16	24	4 1/4	.....	S	Pln	113680
6	1/4	20	1 1/8	.....	S	Pln	117708
7	1/4	20	1 3/8	.....	S	Pln	112727
8	5/16	18	3/8	.....	S	Pln	100438

GROUP 16 CAP SCREW—FILLISTER HEAD



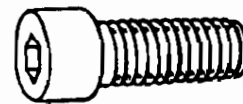
1	1/4	20	1 3/8	.....	S	Pln	106370
2	5/16	18	1/2	.....	S	Pln	110830
3	5/16	18	1/2	Br	Pln	111208
4	5/16	18	1	Br	NP	118042

GROUP 17 CAP SCREW—FLAT HEAD



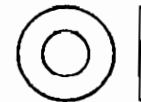
1	1/16	14 NC	1	S	Pln	110237
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GROUP 18 CAP SCREW—SOCKET HEAD



1	5/16	18 NC	3/4	S	Pln	138221
2	3/8	16 NC	2 1/4	S	Pln	138247
3	3/8	24 NF	1 1/2	.....	S	Pln	138256

GROUP 19 BURR—RIVETING



ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	I. D.	O. D.				
1	.141	3/8	.....	S	Pln	111567
2	.156	1/16	.....	S	Pln	104561
3	.174	1/2	.....	S	Pln	104562
4	.189	1/2	.....	S	Pln	104563

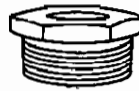
Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 20 BUSHING—PIPE REDUCING



ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	EXT. THD.	INT. THD.				
1	1/4	3/8	.....	MI	Pln	119930
2	1/4	1/8	.....	Br	Pln	112877
3	3/8	1/8	.....	MI	Pln	119932
4	3/8	1/4	.....	MI	Pln	119931
5	3/8	1/4	.....	S	Cad	116882
6	1/2	1/8	.....	S	Cad	144214
7	1/2	1/4	.....	Br	Pln	144051
8	1/2	3/8	.....	MI	Pln	142269
9	1/2	3/8	.....	Br	Pln	120322
10	3/4	1/4	.....	MI	Znc	144040
11	3/4	1/4	.....	Br	Pln	115240
12	3/4	1/2	.....	MI	Pln	144034
13	3/4	1/2	.....	MI	Znc	144042
14	1	1/2	.....	MI	Pln	120062
15	1	1/2	.....	MI	Znc	144055
16	1	3/4	.....	MI	Znc	144056
17	1 1/4	1	.....	MI	Znc	144060
18	1 1/2	1	.....	MI	Znc	179400

GROUP 21 CAP—PIPE



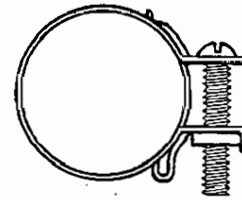
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	THD.	O. D.	THK.				
1	1/2	1.19	.93	.....	MI	Znc	127967

GROUP 22 CAP—RIVET, TYPE A



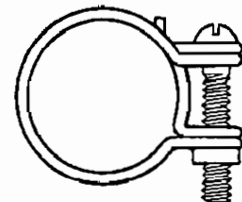
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	I. D.	O. D.	THK.				
1	15/64	21/64	5/64	.....	S	BE	117717
2	15/64	21/64	5/64	.....	Br	BE	120097
3	17/64	27/64	3/32	.....	Br	NP	118785
4	17/64	27/64	3/32	.....	S	BE	117716

GROUP 23 CLAMP—HOSE, BAND TYPE



ITEM NO.	DIMENSIONS I. D.	U. P.	MAT.	PART NO.
2	3/4	.....	S	111604
3	7/8	.....	S	111605
4	1 1/8	.....	S	111608
5	1 3/4	.....	S	111617

GROUP 24 CLAMP—HOSE, WIRE TYPE



1	2	.....	S	105480
2	2 1/4	.....	S	105482
3	3	.....	S	119511
4	3 7/16	.....	S	137503

GROUP 25 CLIP—TUBING, CLOSED TYPE



ITEM NO.	DIMENSIONS TUBE DIA.	BOLT SIZE	U. P.	MAT.	FIN.	PART NO.
2	1/4	1/4	.....	S	Cad	120521
3	1/2	5/16	.....	S	Pln	140571

GROUP 26 CLEVIS OR YOKE—ADJUSTABLE ROD END



ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	10	32 NF	1 9/16	.....	S	Pkd	142874
2	1/4	28 NF	1 11/16	.....	S	Pln	116534
3	1/4	28 NF	2	.....	S	Pln	104036

∇ indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

GROUP 26 CLEVIS OR YOKE—Adjustable Rod End (Cont'd)

ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
4	1/4	28 NF	2	.....	S	Pkd	116320
5	5/16	24 NF	2 1/4	.....	S	Pln	104037
6	3/8	24 NF	2 3/8	.....	S	Pln	116536
7	3/8	24 NF	2 1/2	.....	S	Pln	104038
8	1/2	20 NF	2 7/8	.....	S	Pln	117825
9	1/2	20 NF	3	.....	S	Pln	104039
10	5/8	18 NF	4 15/16	.....	S	Cad	144246

GROUP 27 CLEVIS OR YOKE—WELDED ROD END



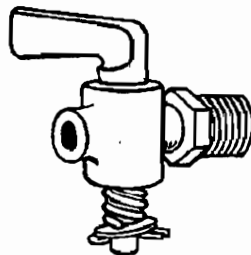
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	L.	THD.				
1	5/8	2 7/8	S	Pln	121570	

GROUP 28 COCK—DRAIN, INTERNAL THREAD



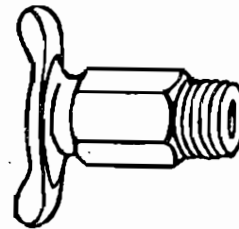
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	TAPER	THD.	THD.				
1	1/8	Br	Pln	120837		

GROUP 29 COCK—DRAIN, EXTERNAL THREAD



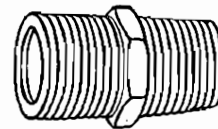
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	PIPE	THD.	THD.				
1	1/8	.....	Br	Pln	106793	
2	1/4	.....	Br	Pln	106794	
3	1/4	.....	Br	Pln	106796	

GROUP 30 COCK—DRAIN, TYPE C



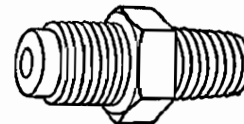
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	PIPE	THD.	THD.				
1	1/8	.....	Br	Pln	114981	
2	1/4	.....	Br	Pln	103647	
3	3/8	.....	Br	Pln	118536	

GROUP 31 CONNECTOR—BALL SLEEVE TUBING



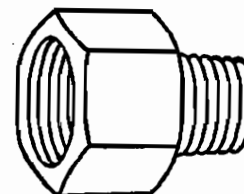
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	TUBE DIA.	TAPER THD.	THD.				
1	3/16	1/8	3/8-24	.....	Br	Pln	121711
2	1/4	1/8	7/16-24	.....	Br	Pln	114626
3	1/4	3/8	7/16-24	.....	Br	Pln	114638
4	5/16	1/8	1/2-24	.....	Br	Pln	114629
5	3/8	1/4	17/32-24	.....	Br	Pln	114625
6	3/8	1/4	9/16-24	.....	Br	Pln	140286
7	1/2	3/8	11/16-24	.....	Br	Pln	120129
8	3/4	1/2	1-8	.....	Br	Pln	125733

GROUP 32 CONNECTOR—FLARED TUBE



1	3/16	1/8	3/8-24	.....	Br	Pln	120703
2	1/4	1/8	7/16-20	.....	Br	Pln	118748
3	3/16	1/8	1/2-20	.....	Br	Pln	118749
4	3/8	1/4	5/8-18	.....	Br	Pln	118750
5	1/2	1/4	11/16-16	.....	Br	Pln	118751
6	1/2	3/8	3/4-16	.....	Br	Pln	118752

GROUP 33 CONNECTOR—INVERTED FLARED TUBE



1	1/8	1/8	5/16-28	.....	Br	Pln	137403
2	3/16	1/8	3/8-24	.....	S	Cad	148072
3	1/4	1/8	7/16-24	.....	Br	Cad	111345

Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

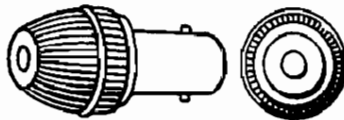
Specifications subject to change without notice.



GROUP 33 CONNECTOR—Inverted Flared Tube (Cont'd)

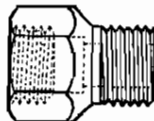
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	TAPER THD.	THD.				
4	1/4	1/8	7/16-24	.....	Br	Chr	142554
5	5/16	3/8	1/2-20	5	Br	Pln	137406
6	3/8	1/4	5/8-18	.....	Br	Pln	137407
7	7/16	1/4	11/16-18	.....	S	Cad	145477
8	1/2	3/8	3/4-18	.....	Br	Pln	143426

GROUP 34 CONNECTOR—SINGLE WIRE LAMP, ASSEMBLY



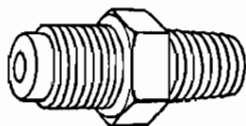
ITEM NO.	DIMENSIONS		MAT.	FIN.	PART NO.
	WIRE DIA.	U.P.			
1	1/32	.....	Br	NP	112450

GROUP 35 CONNECTOR—THREADED TUBE TUBING



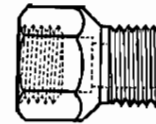
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	THD.					
1	5/16	1/8-24	.....	Br	Pln	152120
2	3/8	1/4-20	.....	Br	Pln	114885

GROUP 36 CONNECTOR—TUBING, MARINE TYPE



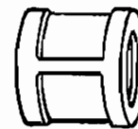
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	TAPER THD.	THD.				
1	1/4	1/8	3/16-20	.....	Br	Pln	144313
2	1/2	3/8	3/4-16	.....	Br	Pln	144317

GROUP 37 CONNECTOR—UNIVERSAL SELF-CENTERING



ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	TAPER THD.	THD.				
1	5/16	1/8	3/8-27	.....	Br	Pln	119326
2	1/4	1/8	1/16-27	.....	Br	Pln	119327
3	5/16	1/8	1/2-24	.....	Br	Pln	119328

GROUP 38 COUPLING—PIPE



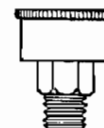
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	L					
1	1/8	.96	MI	Pln	105408		
2	1/8	.96	MI	Znc	144067		
3	1/8	.96	Br	Pln	157221		

GROUP 39 COUPLING—PIPE REDUCING



ITEM NO.	DIMENSIONS				U.P.	MAT.	FIN.	PART NO.
	TAPER THD. LARGE	TAPER THD. SMALL	L					
1	1	1/2	1.69	.....	MI	Znc	144104
2	1	3/4	1.69	.....	MI	Znc	144103
3	1 1/4	3/4	2.06	.....	MI	Znc	144106

GROUP 40 CUP—GREASE, SCREW TYPE



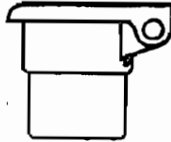
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	BODY DIA.	THD.					
1	1 1/16	1/8	S	Pln	105036	

∇ indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

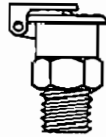
Specifications subject to change without notice.

GROUP 41 CUP—OIL, HINGE LID, DRIVE TYPE



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	LID DIA.	OVERALL HGHT.				
1	5/8	7/16	.....	S	Pln	118702
2	23/32	1/2	.....	S	Pln	114998

GROUP 42 CUP—OIL, HINGE LID, SCREW TYPE



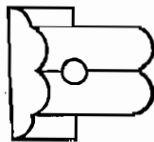
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	BODY DIA.	OVERALL HGHT.				
1	1/8	13/32	3/4	.....	S	Pln	150624

GROUP 43 END—BINDING, TYPE NO. 1



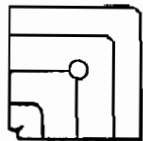
ITEM NO.	WIDTH	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
		L.					
1	23/32		29/32	.....	Br	BJ	115579
2	23/32		29/32	.....	Br	NP	115580
3	23/32		29/32	.....	Br	J	103829

GROUP 44 END—BINDING, TYPE NO. 2



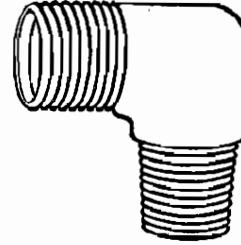
1	23/32	13/16	.....	Br	NP	115583
2	23/32	13/16	.....	Br	Dull	115582
3	23/32	13/16	.....	Br	Dull	115581

GROUP 45 END—BINDING, TYPE NO. 4



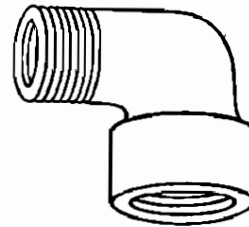
1	23/32	3/4	.....	Br	B.J.	115585
2	23/32	3/8	.....	Br	NP	115586

GROUP 46 ELBOW—BALL SLEEVE TUBING



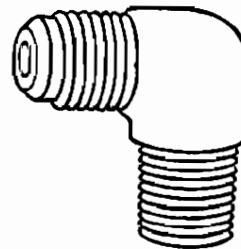
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	TAPER THD.	THD.				
1	1/4	1/8	7/16-24	.....	Br	Pln	114632
2	5/16	1/8	1/2-24	.....	Br	Pln	114633
3	5/16	1/4	1/2-24	.....	Br	Pln	114927
4	3/8	1/4	3/16-24	.....	Br	Pln	140305
5	3/8	1/4	17/32-24	.....	Br	Pln	114634
6	3/4	1/2	1-18	.....	Br	Pln	144466

GROUP 47 ELBOW—COMPRESSION COUPLING, DOHNER JR. TYPE



1	3/16	1/8	3/8-24	.....	Br	Pln	115668
2	1/4	1/8	7/16-20	.....	Br	Pln	115669
3	5/16	1/8	1/2-20	.....	Br	Pln	115670
4	3/8	1/4	3/16-18	.....	Br	Pln	115671
5	7/16	1/4	5/8-18	.....	Br	Pln	115672

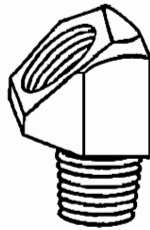
GROUP 48 ELBOW—FLARED TUBE



1	3/16	1/8	3/8-24	.....	Br	Pln	121339
2	1/4	1/8	7/16-20	.....	Br	Pln	118753
3	5/16	1/8	1/2-20	.....	Br	Pln	118754
4	3/8	1/4	5/8-18	.....	Br	Pln	118755
5	7/16	1/4	11/16-16	.....	Br	Pln	118756
6	3/8	3/8	3/8-16	.....	Br	Pln	118757



GROUP 49 ELBOW—INVERTED FLARED TUBE, 45 DEGREE



ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	TAPER THD.	THD.				
1	3/16	1/8	3/8-24	.....	Br	Pln	127829
2	3/16	1/8	3/8-24	.....	Br	Cad	143336
3	1/4	1/8	7/16-24	.....	Br	Pln	125859
4	5/16	1/8	1/2-20	.....	Br	Pln	116341
5	3/8	1/4	5/8-18	.....	Br	Pln	143338

GROUP 50 ELBOW—INVERTED FLARED TUBE, 90 DEGREE



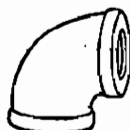
1	3/16	1/8	3/8-24	.....	S	Cad	189949
2	3/16	1/8	3/8-24	5	Br	Pln	137420
3	1/4	1/8	7/16-24	5	Br	Pln	137421
4	1/4	1/4	7/16-24	.....	Br	Pln	143342
5	5/16	1/8	3/8-20	5	Br	Pln	137422
6	5/16	1/8	1/2-20	5	S	Cad	189953
7	3/16	1/4	1/2-20	.....	Br	Pln	143343
8	5/16	1/4	1/2-20	.....	S	Cad	189992
9	3/8	1/4	5/8-18	.....	Br	Pln	137423
10	7/16	1/4	1 1/16-18	.....	S	Cad	191399
11	7/16	1/4	1 1/16-18	.....	Br	Pln	137424
12	1/2	3/8	3/4-18	.....	Br	Pln	137425

GROUP 51 ELBOW—PIPE, 45 DEGREE



ITEM NO.	DIMENSIONS TAPER THD.	U.P.	MAT.	FIN.	PART NO.
1	3/8	.....	MI	Pln	105414
2	1	.....	MI	Znc	144138

GROUP 52 ELBOW—PIPE, 90 DEGREE



1	3/8	.....	MI	Znc	127962
2	3/8	.....	Br	Pln	119455
3	1/4	.....	MI	Pln	105413

GROUP 52 ELBOW—Pipe, 90 Degree (Cont'd)

ITEM NO.	DIMENSIONS TAPER THD.	U.P.	MAT.	FIN.	PART NO.
4	3/8	.....	MI	Pln	119097
5	1/2	.....	MI	Pln	119098
6	1/2	.....	MI	Znc	127963
7	1	.....	MI	Pln	119100
8	1	.....	MI	Znc	127793
9	1 1/4	.....	MI	Znc	127824

GROUP 53 ELBOW—STREET, 45 DEGREE



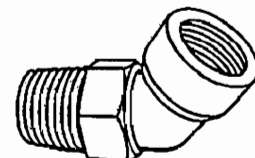
1	1/4	.....	MI	Pln	119113
2	1/2	.....	Br	Pln	137895
3	1	.....	MI	Znc	144122

GROUP 54 ELBOW—STREET, 90 DEGREE



1	1/8	.....	MI	Znc	127960
2	3/8	.....	Br	Pln	120401
3	1/4	.....	MI	Pln	105423
4	1/4	.....	Br	Pln	120499
5	3/8	.....	Br	Pln	120145
6	1/2	.....	MI	Pln	108686
7	1/2	.....	MI	Znc	127961
8	1/2	.....	Br	Pln	127849
9	1	.....	MI	Znc	127792
10	1 1/4	.....	MI	Znc	127823

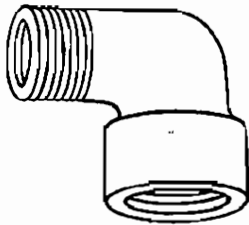
GROUP 55 ELBOW—STREET, UNIVERSAL SELF-CENTERING, 45 DEGREE



ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	PIPE THD.	THD.				
1	3/16	1/8	3/8-27	.....	Br	Pln	119349

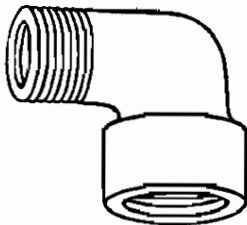


GROUP 56 ELBOW—STREET, SELF-CENTERING, 90 DEGREE



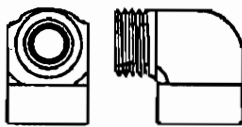
ITEM NO.	TUBE DIA.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
		PIPE THD.	THD.				
1	3/16	1/8	3/8-27	.....	Br	Pln	119316
2	1/4	3/8	1/2-27	.....	Br	Pln	119317
3	5/16	1/2	3/4-24	.....	Br	Pln	119318
4	3/8	5/8	7/8-24	.....	Br	Pln	119319
5	7/8	1 1/4	1 1/2-24	.....	Br	Pln	119320
6	1 1/8	1 3/8	1 5/8-24	.....	Br	Pln	119321
7	1 1/2	1 7/8	2-24	.....	Br	Pln	119322

GROUP 57 ELBOW—THREADED SLEEVE TUBING



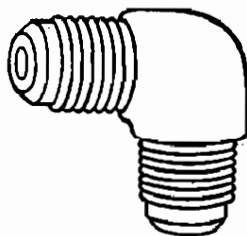
ITEM NO.	TUBE DIA.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
		TAPER THD.	THD.				
1	3/16	1/8	3/8-24	.....	Br	Pln	114890
2	1/4	3/8	1/2-24	Br	Pln	169983

GROUP 58 ELBOW—TUBE, FEMALE



1	1/4	1/8	1/8-18	S	Cad	190786
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GROUP 59 ELBOW—UNION



ITEM NO.	TUBE DIA.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
		THD.	THD.				
1	5/8	1 1/2	1 1/2-14	Br	Pln	144366

GROUP 60 FASTENER—BALL



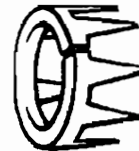
ITEM NO.	DIA.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
		OVERALL L.	HEAD L.				
1	.395	1 1/2	1 1/2	.....	Br&S	But	149504

GROUP 61 FASTENER—CARPET, ONE PIECE TYPE



ITEM NO.	DIA.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
		HEIGHT	HEAD L.				
1	1 5/16	1 1/2	1 1/2	.....	Br	NP	117542

GROUP 62 FASTENER—CARPET, RING TYPE



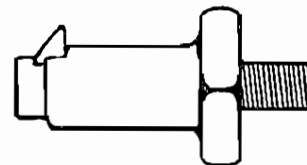
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	I.D.	O.D.	HEIGHT				
1	3/8	5/8	1 1/4	S	NP	114842

GROUP 63 FASTENER—CARPET, SNAP TYPE



1	1 5/16	1 5/16	1 3/4	Br	NP	142763
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GROUP 64 FASTENER—CURTAIN, DOUBLE, MACHINE SCREW



ITEM NO.	DIA.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.	
		THD.	SCREW L.					
1	No. 8	32	3/8	1 3/4	.....	S	Chr	141714
2	No. 8	32	5/8	1 7/8	.....	S	Chr	116408
3	No. 10	32	1/4	1 3/4	.....	S	Chr	141715
4	No. 10	32	1/4	1 1/2	.....	S	Chr	141720

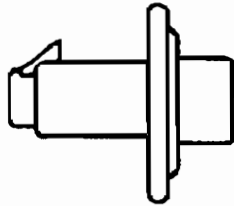
indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

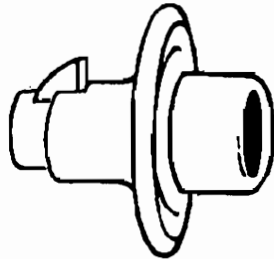


GROUP 65 FASTENER—CURTAIN, DOUBLE, TUBULAR RIVET BASE



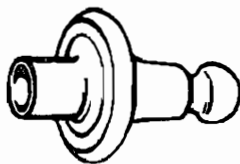
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	RIVET SIZE	HEAD HEIGHT				
1	5/16 x 1 1/2	1 1/2	.....	S	Chr	141737

GROUP 66 FASTENER—CURTAIN, TUBULAR RIVET, SINGLE POST



1	1 1/2 x 1/4	1 1/2	.....	S	Chr	141742
2	1 1/2 x 1/4	1 1/2	.....	S	Chr	116351

GROUP 67 FASTENER—CURTAIN, SINGLE, TUBULAR RIVET



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	RIVET SIZE	HEAD L.				
1	1 5/64 x 7/32	2 5/64	.....	S	NP	119960

GROUP 68 FASTENER—CURTAIN, CAPPED DRIVE SCREW



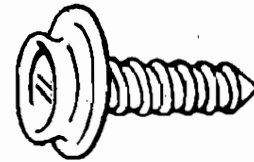
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	DIA.	SCREW L.				
1	No. 6	2 1/2	.....	Br	NP	105509

GROUP 69 FASTENER—CURTAIN, CAPPED MACHINE SCREW



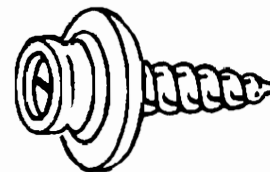
NO.	DIA.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
		THD.	HEAD DIA.				
1	No. 8	32	3/16	2 5/64	.....	Br Chr	116327
2	No. 8	32	3/16	2 5/64	.....	Br NP	141985
3	No. 8	32	7/16	2 5/64	.....	Br Chr	128237
4	No. 10	32	5/32	2 5/64	.....	Br NP	117465
5	No. 10	32	5/32	2 5/64	.....	Br Chr	142856
6	No. 10	32	3/8	2 5/64	.....	Br Chr	142349
7	No. 10	32	1 5/64	2 5/64	.....	S NP	106809
8	No. 10	32	1 5/64	2 5/64	.....	S NP	106807

GROUP 70 FASTENER—CURTAIN, CAPPED SHEET METAL SCREW



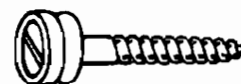
ITEM NO.	DIA.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
		SCREW L.	HEAD DIA.				
1	No. 7	3/8	1/2	.....	Br	NP	119490
2	No. 8	3/8	1/2	.....	Br	Chr	107412
3	No. 8	5/8	1/2	.....	Br	Chr	107413

GROUP 71 FASTENER—CURTAIN, CAPPED WOOD SCREW



1	No. 6	2 1/2	1 1/2	.....	Br	NP	105508
2	No. 6	2 1/2	1 1/2	.....	Br	NP	105201

GROUP 72 FASTENER—CURTAIN, WOOD SCREW STUD



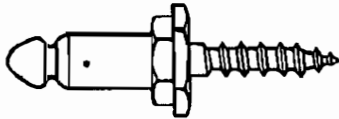
1	No. 6	1 1/6	7/16	.....	S	Chr	142855
2	No. 6	1 1/6	7/16	.....	S	NP	115897
3	No. 6	1 1/6	7/16	.....	S	NP	115957

GROUP 73 FASTENER—CURTAIN, SINGLE, WOOD SCREW BASE



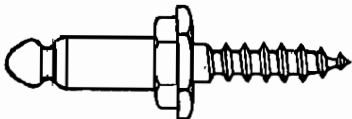
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	SCREW L.	HEAD L.				
1	No. 8	5/8	1 3/32	.....	S	Chr	141724
2	No. 8	5/8	1 7/32	.....	S	Chr	141729
3	No. 8	5/8	1 9/32	.....	S	NP	105371
4	No. 10	5/8	1 7/32	.....	S	Chr	107424

GROUP 74 FASTENER—CURTAIN, SINGLE, SHEET METAL SCREW BASE



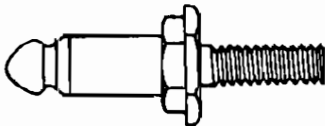
1	No. 8	3/8	2 5/64	.....	S	NP	190535
2	No. 8	3/8	5 7/64	.....	S	Chr	147710
3	No. 8	5/8	2 5/64	.....	S	NP	127918

GROUP 75 FASTENER—CURTAIN, SINGLE, WOOD SCREW BASE



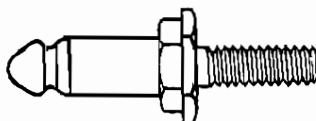
1	No. 8	3/4	2 5/64	.....	S	Chr	141937
2	No. 8	3/4	4 1/64	.....	S	NP	105119

GROUP 76 FASTENER—CURTAIN, SINGLE HEXAGON, SCREW BASE



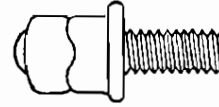
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.	
	DIA.	THD.	SCREW L.	HEAD L.				
1	No. 8	32	3/16	2 1/64	.....	S	Chr	141923
2	No. 8	32	1/4	2 5/64	.....	S	NP	117189
3	No. 10	32	1/4	2 5/64	.....	S	NP	113834
4	No. 8	32	1/4	2 1/64	.....	S	Chr	121784

GROUP 77 FASTENER—CURTAIN, DOUBLE HEXAGON, SCREW BASE



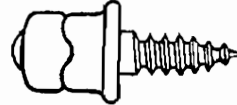
1	No. 10	32	1/4	4 1/64	.....	S	NP	113835
2	No. 10	32	3/8	4 1/64	.....	S	NP	105146

GROUP 78 FASTENER—CURTAIN, MACHINE SCREW



ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.	
	DIA.	THD.	SCREW L.	HEAD L.				
1	No. 8	32	7/8	1 7/32	.....	S	NP	105311
2	No. 10	32	5/16	1 7/32	.....	S	NP	140565

GROUP 79 FASTENER—CURTAIN, SHEET METAL SCREW



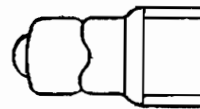
1	No. 7	3/8	1 7/32	.....	S	Chr	147751
2	No. 7	5/8	1 7/32	.....	S	NP	128265
3	No. 7	5/8	1 7/32	.....	S	Chr	107416
4	No. 8	3/8	1 1/16	.....	S	Chr	145513
5	No. 12	5/8	1 7/32	.....	S	NP	191217

GROUP 80 FASTENER—CURTAIN, TWO PRONG CLINCH TYPE



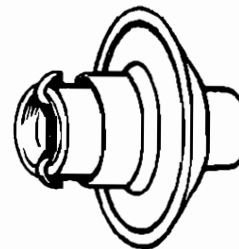
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	PRONG L.	HEAD L.					
1	1 9/32	2 5/64	S	NP		105150

GROUP 81 FASTENER—CURTAIN, SINGLE, CLINCH BASE



1	1 5/64	1/2	Br	NP		114857
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GROUP 82 FASTENER—CURTAIN, FLUSH TYPE



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	DIA.	HEIGHT				
1	1 5/64	5/8	.....	Br	NP	14304

Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

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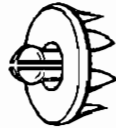


GROUP 83 FASTENER—SNAP, TRIM PANEL



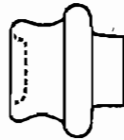
ITEM NO.	BODY DIA.	DIMENSIONS HEIGHT	U.P.	MAT.	FIN.	PART NO.
1	5/32	1 1/64	.....	Br	NP	135605

GROUP 84 FASTENER—TRIM PANEL FLOATING TYPE



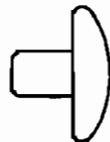
ITEM NO.	DIA.	DIMENSIONS HEIGHT	U.P.	MAT.	FIN.	PART NO.
1	1 1/16	2 3/32	.....	Br	NP	125995

GROUP 85 FASTENER BUTTON—CURTAIN, DOUBLE TYPE



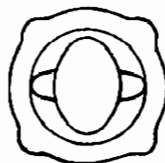
ITEM NO.	HOLE DIA.	DIMENSIONS HEAD DIA.	U.P.	MAT.	FIN.	PART NO.
1	5/32 x 9/64	3/8	.....	S	NP	105513
2	5/32 x 9/32	5/8	.....	Br	Chr	141988
3	5/32 x 9/64	3/8	.....	S	NP	105515

GROUP 86 FASTENER CAP—CURTAIN



ITEM NO.	HEAD DIA.	DIMENSIONS OVERALL HEIGHT	U.P.	MAT.	FIN.	PART NO.
1	39	5/16	.....	Br	BL	112457

GROUP 87 FASTENER EYELET—CURTAIN



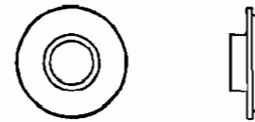
ITEM NO.	DIMENSIONS DIA.	U.P.	MAT.	FIN.	PART NO.
1	3/4	.....	Br	Chr	107417

GROUP 88 FASTENER EYELET—CURTAIN



ITEM NO.	I.D.	DIMENSIONS O.D.	U.P.	MAT.	FIN.	PART NO.
1	5/32	7/16	.....	Br	Pln	145504

GROUP 89 FASTENER EYELET—CURTAIN



ITEM NO.	DIA.	DIMENSIONS	U.P.	MAT.	FIN.	PART NO.
1	2 1/64	2 5/32	.....	Br	Chr	142857

GROUP 90 FASTENER GROMMET—CURTAIN



ITEM NO.	DIA.	DIMENSIONS HEIGHT	U.P.	MAT.	FIN.	PART NO.
1	1 1/16	1/4	.....	Br	NP	114909
2	1 3/16	3/16	.....	Br	NP	114864

GROUP 91 FASTENER SOCKET CLINCH PLATE—CURTAIN



ITEM NO.	WIDTH	DIMENSIONS L.	U.P.	MAT.	FIN.	PART NO.
1	1 3/16	1 5/16	.....	Br	NP	105169

GROUP 92 FASTENER RING RIVET—CURTAIN



ITEM NO.	DIA.	DIMENSIONS HEIGHT	U.P.	MAT.	FIN.	PART NO.
1	9/16	1 3/64	.....	Br	NP	105507
2	9/16	1 3/64	.....	Br	Chr	141989

∇ indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

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GROUP 93 FASTENER SOCKET—CURTAIN, DOUBLE BUTTON



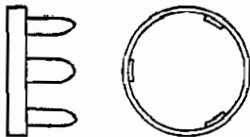
ITEM NO.	DIA.	DIMENSIONS HEIGHT	U.P.	MAT.	FIN.	PART NO.
1	9/16	5/32	Br	Chr	141998

GROUP 94 FASTENER SOCKET—CURTAIN, LONG PRONG TYPE



1	3/4 x 7/8	3/8	Br	NP	105168
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GROUP 95 FASTENER SOCKET—CARPET, CLINCH TYPE



1	27/32	23/64	Br	NP	141973
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GROUP 96 FASTENER WASHER—CURTAIN, CLINCH BASE TYPE



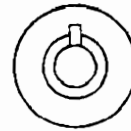
ITEM NO.	I.D.	DIMENSIONS O.D.	U.P.	MAT.	FIN.	PART NO.
1	9/32	.70	12	Br	NP	114858

GROUP 97 FASTENER EYELET WASHER—CURTAIN



1	3/8	15/16	.....	Br	Chr	107418
2	3/8	13/16	.....	Br	NP	105841
3	3/8	15/16	8	Br	NP	116267

GROUP 98 FASTENER WASHER—CURTAIN, TYPE C, TUBULAR RIVET BASE



ITEM NO.	I.D.	DIMENSIONS O.D.	U.P.	MAT.	FIN.	PART NO.
1	5/16	11/16	.....	Br	Chr	141740

GROUP 99 FASTENER EYELET WASHER—CURTAIN, COUNTERSUNK TYPE



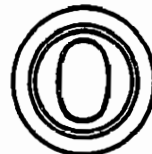
1	3/8	23/32	.....	Br	NP	106476
2	3/8	23/32	.....	Br	Chr	141744
3	3/8	23/32	Br	NP	105403

GROUP 100 FASTENER WASHER—CURTAIN, FLUSH TYPE



1	3/8	23/32	Br	NP	114306
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GROUP 101 FASTENER GROMMET WASHER—CURTAIN



1	.337	.760	Br	NP	114831
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GROUP 102 FASTENER WASHER—CURTAIN, SINGLE TUBULAR BASE



1	15/64	19/32	5	Br	NP	114748
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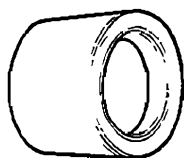
Indicates Class "A" Parts.

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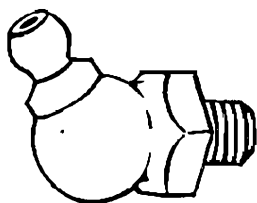


GROUP 103 FERRULE—CLINCH TYPE, BUTT TYPE



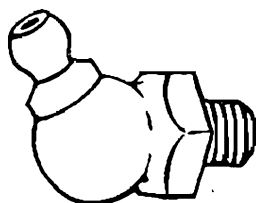
ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	I.D.	L.				
1	.370	1/4	.....	S	Znc	106252
2	.440	3/32	.....	S	Znc	106253
3	.510	3/8	.....	S	Znc	106254
4	.580	3/8	.....	S	Znc	106255
5	.650	3/8	.....	S	Znc	106256
6	.930	1/2	.....	S	Znc	106258
7	.318	3/16	.....	S	Znc	120885

GROUP 104 FITTING—LUBRICATING



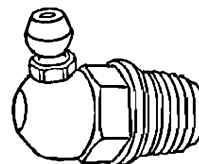
ITEM NO.	DIMENSIONS		DEGREE	U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	L.					
1	1/8	2 1/8	30	.....	S	Cad	▼125579
2	1/8	1 3/16	67 1/2	.....	S	Cad	▼109365
3	1/8	1 13/16	90	.....	S	Cad	▼109357

GROUP 105 FITTING—LUBRICATING, BALL AND SPRING TYPE



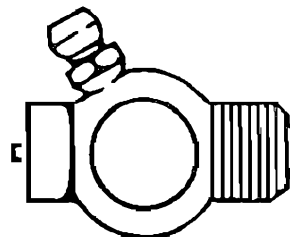
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	THD. SIZE	L.				
1	1/4-28	7/8	.....	S	Cad	▼110309
2	1/4-28	1	.....	S	Cad	▼110308

GROUP 106 FITTING—LUBRICATING, THREADED DRIVE TYPE



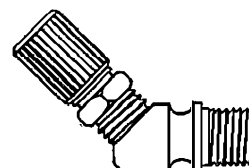
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	L.	DEGREE				
1	1	30	.....	S	Cad	▼145434
2	25/32	67 1/2	.....	S	Cad	▼145435
3	47/64	85	.....	S	Cad	▼145436

GROUP 107 FITTING—LUBRICATING, HYDRAULIC PRESSURE SHUT-OFF TYPE



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	L.				
1	1/8	1 5/16	.....	S	Cad	▼179362

GROUP 108 FITTING—LUBRICATING, ASSEMBLY



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	L.				
1	1/8	1 23/32	.....	S	Cad	▼190376

GROUP 109 FITTING—LUBRICATING, ASSEMBLY, HYDRAULIC TYPE



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	THD.	L.				
1	1/8	1 1/2	Br&S	Pln	▼119500

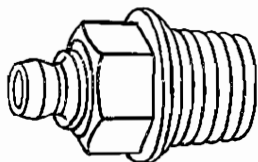
▼Indicates Class "A" Parts.

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Specifications subject to change without notice.

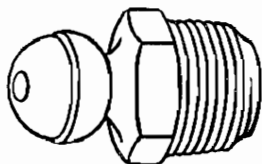


GROUP 110 FITTING—LUBRICATING, STRAIGHT TYPE



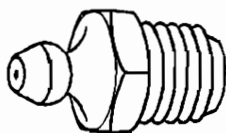
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	L.				
1	1/8	23/32	4	S	Cad	▼145433
2	1/8	3/4	S	Cad	111296

GROUP 111 FITTING—LUBRICATING, STRAIGHT



1	1/8	43/64	S	Cad	191758
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GROUP 112 FITTING—LUBRICATING, STRAIGHT TYPE



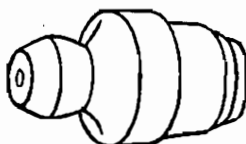
1	1/8	1 1/4	S	Cad	▼109352
2	1/8	2 3/8	S	Cad	▼190479

GROUP 113 FITTING—LUBRICATING, STRAIGHT TYPE



1	1/4-28	1/2	.....	S	Cad	▼110347
2	1/4-28	15/32	.....	S	Cad	▼187690
3	1/4-28	1 1/16	.....	S	Cad	▼111595
4	1/4-28	1 5/16	.....	S	Cad	▼125846
5	1/4-28	1 3/8	.....	S	Cad	▼128274

GROUP 114 FITTING—LUBRICATING, STRAIGHT, DRIVE BASE



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	BASE DIA.	L.				
1	.311	5/8	.....	S	Cad	▼119516

GROUP 115 FITTING—LUBRICATING, STRAIGHT, PLUG BASE



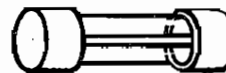
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	BASE DIA.	L.				
1	3/8	1/2	.....	S	Cad	▼117251

GROUP 116 FITTING—LUBRICATING ANGLE BODY, HYDRAULIC TYPE



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	L.				
1	1/8	1	.....	S	Cad	▼150689

GROUP 117 FUSE



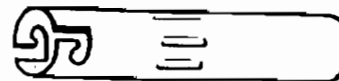
MOPAR FUSE PACKAGES

Note: Each package contains 100 fuses (20 boxes of five each.)

ITEM NO.	AMP.	SIZE	PART NO.	PACKAGE NO
1	2	1/4 x 5/8	▼148086	830819
2	5	1/4 x 5/8	▼126049	830820
4	14	1/4 x 1 1/16	▼147685	830821
5	15	1/4 x 1 1/4	▼120151	830822
6	20	1/4 x 1 1/4	▼106653	830823
7	30	1/4 x 1 1/4	▼120114	830824
8	30	3/8 x 1 1/16	▼147686	830825

ITEM NO.	DIMENSIONS		L.	U.P.	PART NO.
	AMP.	DIA.			
1	2	1/4	5/8	5	▼148086
2	5	1/4	5/8	5	▼126049
3	9	1/4	7/8	5	▼147684
4	14	1/4	1 1/16	5	▼147685
5	15	1/4	1 1/4	5	▼120151
6	20	1/4	1 1/4	5	▼106653
7	30	1/4	1 1/4	5	▼120114
8	30	3/8	1 1/16	5	▼147686

GROUP 118 FUSE CONTAINER BODY



ITEM NO.	AMP.	U.P.	MAT.	FIN.	PART NO.
1	30	5	S	Cad	▼150428

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 119 FUSE CONTAINER BUSHING



ITEM NO.	U.P.	MAT.	PART NO.
1	12	Bak	▼150422

GROUP 120 FUSE CONTAINER CAP



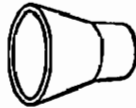
ITEM NO.	U.P.	MAT.	FIN.	PART NO.
1	12	Br	Cad	▼150429

GROUP 121 FUSE CONTAINER SPRING



ITEM NO.	U.P.	MAT.	FIN.	PART NO.
1	12	S	Pln	▼150421

GROUP 122 FUSE CONTAINER FERRULE



ITEM NO.	U.P.	MAT.	FIN.	PART NO.
1	12	Br	Pln	▼150423

GROUP 123 FUSE CONTAINER WASHER



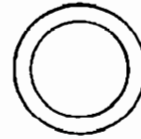
ITEM NO.	U.P.	MAT.	FIN.	PART NO.
1	12	Fib		▼150700

GROUP 124 GASKET—ANNULAR, TYPE A



ITEM NO.	I.D.	O.D.	THK.	U.P.	MAT.	FIN.	PART NO.
1	.322	7/16	5/64	.....	Cop-A	Pln	114622
2	.385	5/8	5/64	.....	Cop-A	Pln	105451
3	.276	3/8	5/64	.....	Cop-A	Pln	114659
4	.577	3/4	3/32	.....	Cop-A	Pln	105452
5	.640	13/16	3/32	.....	Cop-A	Pln	105453
6	.890	1 1/8	3/32	.....	Cop-A	Pln	▼105456
7	1.140	1 3/8	3/32	.....	Cop-A	Pln	115449
8	1.202	1 7/16	3/32	.....	Cop-A	Pln	105457
9	1.265	1 1/2	3/32	.....	Cop-A	Pln	142756

GROUP 125 GASKET—ANNULAR, TYPE C



ITEM NO.	I.D.	O.D.	THK.	U.P.	MAT.	PART NO.
1	.561	25/32	5/64	100	Cop-A	▼150189
2	.723	61/64	3/32	100	Cop-A	▼150191

GROUP 126 GASKET—FLANGE TYPE



ITEM NO.	I.D.	BOLT CENTERS	U.P.	MAT.	PART NO.
1	1 1/16	2 11/16	.....	Cop-A	105470

GROUP 127 GROMMET—RUBBER



ITEM NO.	I.D.	O.D.	THK.	U.P.	TYPE	PART NO.
1	1/4	1	3/8	.....	Cut	117971
2	1/4	1	3/8	.....	Plain	118751
3	17/64	15/32	5/16	12	Plain	117957
4	5/16	1	3/8	.....	Plain	118752
5	5/16	1	3/8	.....	Cut	117972
6	21/64	23/32	5/16	.....	Plain	117959
7	21/64	23/32	5/16	.....	Cut	134252
8	21/64	23/32	7/16	.....	Cut	109390
9	3/8	11/16	3/32	.....	Cut	117974
10	25/64	27/32	5/16	.....	Plain	117961
11	25/64	27/32	7/16	.....	Cut	120302
12	1/2	7/8	1/4	.....	Cut	112743
13	33/64	11/16	5/16	.....	Cut	120879
14	33/64	11/16	7/16	.....	Cut	120408
15	5/8	1 3/8	1/2	.....	Cut	118753
16	41/64	1 3/16	5/16	.....	Cut	120013
17	41/64	1 3/16	7/16	.....	Cut	118833
18	7/8	1 1/2	23/32	.....	Cut	112745

GROUP 128 GROMMET—AIR



ITEM NO.	I.D.	O.D.	U.P.	MAT.	FIN.	PART NO.
1	1 3/64	2 9/64	.....	Br	NP	190744
2	9/32	1 1/16	.....	Br	NP	▼190574

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 128 GROMMET—Air (Cont'd)

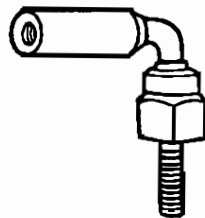
ITEM NO.	DIMENSION		U.P.	MAT.	FIN.	PART NO.
	I.D.	O.D.				
3	3/32	11/16	.....	Br	Chr	107332
4	3/8	27/32	.....	Br	NP	120464
5	3/8	27/32	.....	Br	BE	103652
6	1/2	13/16	.....	Br	Pln	117886
7	1/2	13/16	.....	Br	BE	118011
8	1/2	13/16	.....	Br	NP	120471
9	5/8	13/16	.....	Br	BE	140688
10	3/4	13/4	.....	Br	BE	118863

GROUP 129 GUN—LUBRICATING, TYPE C



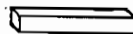
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	CAPACITY	L.				
1	3 ounces	9 3/8	.....			144497
2	5 ounces	19 7/8	.....			▼144498

GROUP 130 JOINT—BALL, NON-ADJUSTABLE



ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	No. 10	32	25/32	.....	S	Pln	115371
2	No. 10	32	1 1/32	.....	S	Cad	116425
3	1/4	28	1 1/16	.....	S	Pln	118792
4	1/4	28	1 1/16	.....	S	Cad	120686

GROUP 131 KEY—SQUARE



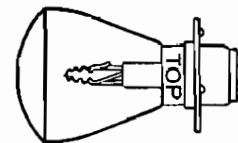
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	WIDTH	L.				
1	3/16 x 3/16	1 1/2	.....	S	Pln	103921
2	5/16 x 5/16	1 3/4	.....	S	Pln	103940
3	3/8 x 3/8	1 1/2	.....	S	Pln	103948

GROUP 132 KEY—WOODRUFF



ITEM NO.	DIMENSIONS		U. P.	MAT.	PART NO.
	DIA.	THK.			
1	1/2	1/16	.....	Car S	106958
2	1/2	3/32	.....	Car S	103904
3	1/2	7/8	12	Car S	106749
4	5/8	1/8	12	Car S	▼103905
5	5/8	7/8	.....	Ni-S	124545
6	3/4	7/8	.....	Car S	103646
7	5/8	5/32	.....	Car S	106750
8	5/8	5/32	.....	Ni-S	124546
9	3/4	5/32	.....	Car S	103906
10	7/8	5/32	.....	Ni-S	120051
11	7/8	5/32	.....	Car S	114813
12	3/4	3/16	.....	Ni-S	124549
13	3/4	3/16	.....	Car S	106751
14	7/8	3/16	.....	Car S	103907
15	1	3/16	.....	Car S	103462
16	7/8	7/32	8	Ni-S	▼178879
17	7/8	7/32	.....	Car S	117976
18	3/4	1/4	.....	Car S	127559
19	7/8	1/4	.....	Ni-S	▼124551
20	1	1/4	.....	Ni-S	▼124553
21	1 1/8	1/4	.....	Ni-S	▼124556
22	1 1/4	1/4	.....	Car S	108626
23	2 1/8	1/4	.....	Ni-S	118000
24	1	5/16	.....	Ni-S	124554
25	1	5/16	.....	Car S	117977
26	1 1/8	5/16	.....	Ni-S	124557
27	1 1/8	5/16	.....	Car S	117979
28	1 1/4	5/16	.....	Car S	113879
29	1 3/8	5/16	.....	Car S	117984
30	1 1/2	5/16	.....	Car S	108627
31	2 1/8	5/16	.....	Ni-S	118001
32	1 1/4	3/8	.....	Ni-S	117992

GROUP 133 LAMP OR BULB—PREFOCUS FLANGE TYPE



ITEM NO.	BASE CONTACT	C.P.	U.P.	VOLTAGE	LAMP NO.	PART NO.
2	Double	50-50		12-16	2556	178264
3	Single	32		6-8	MZ-1007	179006
4	Double	32-21		12-16	2326	125984
5	Single	32	10	6-8	MZ-1323	107403
6	Double	32-32	10	6-8	MZ-2330	110184
7	Double	50-21	10	6-8	MZ-2520	178273
8	Double	50-21	10	6-8	MZ-2520	128155

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

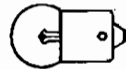


GROUP 134 LAMP OR BULB—T-3/4 BULB STANDARD



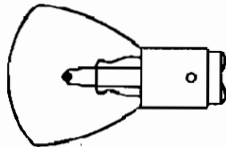
ITEM NO.	BASE CONTACT	U.P.	VOLTAGE	LAMP NO.	PART NO.
1	Single	10	6-8	MZ-44	187189

GROUP 135 LAMP OR BULB—STANDARD G-6 BULB



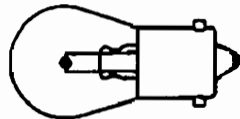
ITEM NO.	BASE CONTACT	C.P.	U.P.	VOLTAGE	LAMP NO.	PART NO.
1	Single	3	10	6-8	MZ-63	142303
2	Double	3	10	6-8	MZ-64	142311
3	Single	3	10	12-16	67	142450
4	Double	3	10	12-16	68	142451
5	Single	3		24-28	MZ-1251	190877
6	Single	6	10	12-16	89	142452

GROUP 136 LAMP OR BULB—LONG LIFE, RP-11 BULB



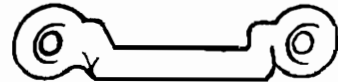
1	Double	21-21	10	6-8	MZ-1110	142305
2	Double	32-32	10	6-8	MZ-1000	142307

GROUP 137 LAMP OR BULB—STANDARD, S-8 BULB



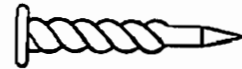
1	Single		10	6-8	MZ-51	115278
2	Single	1.5	10	12-16	57	127934
3	Single	2	10	6-8	MZ-55	125588
4	Single	15	10	12-16	98	142454
5	Single	21	10	12-16	1141	142456
6	Single	1.5	1	12-16	57	178220
7	Single	2		6-8	MZ-55	178237
8	Single	21	1	12-16	1141	178232
9	Single	21-6	1	12-16	1176	178233
10	Double	21-3	10	6-8	MZ-1158	142449
11	Double	21-3	10	6-8	MZ-1154	145416
12	Double	21-6	10	12-16	1176	173029
13	Double	21-6	10	12-16	1016	188028
14	Double	21-3		6-8	MZ-1158	178218
15	Single	15	10	6-8	MZ-87	142304
16	Single	21	10	6-8	MZ-1129	142308

GROUP 138 LOOP—FOOTMAN



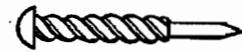
ITEM NO.	DIMENSIONS HOLE TO HOLE	U.P.	MAT.	FIN.	PART NO.
1	2 1/4	.....	S	Pln	142199
2	2 1/8	.....	MI	BE	105517
3	2 3/16	.....	MI	BE	105518
4	2 5/16	.....	MI	NP	105523
5	2 3/16	.....	S	BE	115613

GROUP 139 NAIL—SCREW, FLAT HEAD



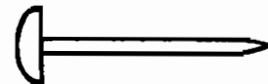
ITEM NO.	DIMENSIONS DIA.	L.	U.P.	MAT.	FIN.	PART NO.
1	No. 13 (.110)	3/8	25	S	Pln	189099

GROUP 140 NAIL—SCREW, ROUND HEAD



1	No. 15 (.088)	1/4	S	Pln	148110
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GROUP 141 NAIL—UPHOLSTERING



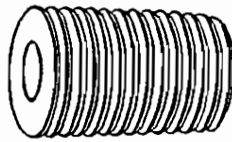
ITEM NO.	DIMENSIONS HEAD DIA.	L.	U.P.	MAT.	FIN.	PART NO.
1	3/32	1/2	.....	S	Blk	104903

GROUP 142 NIPPLE—COMPRESSION COUPLING, DOHNER JR. TYPE



ITEM NO.	PIPE THD.	TUBE D.	THD.	U.P.	MAT.	FIN.	PART NO.
1	1/8	3/16	3/8-24	.....	Br	Pln	115662
2	1/8	1/4	1/16-20	.....	Br	Pln	115663
3	1/8	5/16	1/2-20	.....	Br	Pln	115664
4	1/4	3/8	9/16-18	.....	Br	Pln	115665
5	3/8	1/2	5/8-18	.....	Br	Pln	115666
6	1/2	3/4	1 1/16-16	.....	Br	Pln	115667

GROUP 143 NIPPLE—PIPE, CLOSED TYPE



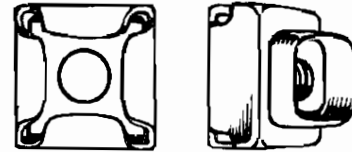
ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	THD.	L.				
1	1/8	3/4	.....	WI	Pln	105404
2	1/8	3/4	.....	Br	Pln	142868
3	3/8	1	.....	WI	Pln	121207
4	1/2	1 1/8	.....	WI	Pln	121208
5	1/2	1 1/8	.....	Br	Pln	120460
6	1	1 1/2	.....	WI	Pln	127874

GROUP 144 NIPPLE—PIPE, SHOULDER TYPE



ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	PIPE THD.	L.				
1	1/8	3/8	.....	WI	Pln	144580
2	1/8	1	.....	WI	Pln	115118
3	1/8	1	.....	Br	Pln	137536
4	1/8	1 1/2	.....	WI	Pln	105406
5	1/8	2	.....	WI	Pln	114794
6	1/8	2 1/2	.....	Br	Pln	142851
7	1/8	3	.....	Br	Pln	142852
8	1/8	3 1/2	.....	Br	Pln	142853
9	1/8	4	.....	Br	Pln	116384
10	1/8	4 1/4	.....	WI	Pln	119458
11	1/8	7 1/2	.....	WI	Pln	187746
12	1/4	1 1/4	.....	WI	Pln	116629
13	1/4	1 1/2	.....	WI	Pln	105407
14	1/4	1 5/8	.....	WI	Pln	144598
15	1/4	3	.....	WI	Pln	121209
16	3/8	2	.....	WI	Pln	120278
17	3/8	5 1/2	.....	WI	Pln	190698
18	1/2	1	.....	WI	Pln	109362
19	1/2	2	.....	WI	Pln	140537
20	1/2	3	.....	WI	Pln	140807
21	1/2	5 3/4	.....	WI	Pln	142730
22	3/4	2 1/2	.....	WI	Pln	190728
23	3/4	4 1/4	.....	WI	Pln	190724
24	1	3	.....	WI	Pln	190570
25	1	4	.....	WI	Pln	145690
26	1	4 3/4	.....	WI	Pln	190566
27	1	6 1/2	.....	WI	Pln	190362
28	1	8 1/2	.....	WI	Galv	190747
29	1	11	.....	WI	Pln	187868

GROUP 145 NUT—ANCHOR, TYPE C



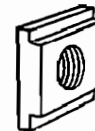
ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.				
1	No. 12	24 NC	.....	S	Cad	127619
2	3/4	20 NC	.....	S	Pln	126128
3	1/4	20 NC	.....	S	Cad	127527
4	5/16	18 NC	.....	S	Pln	127612
5	5/8	18 NC	.....	S	Cad	127637
6	3/8	24 NF	.....	S	Pln	143560
7	3/8	24 NF	5	S	Cad	143562

GROUP 146 NUT—ANCHOR, TYPE E



1	No. 10	24 NC	.....	S	Pln	148201
2	No. 12	24 NC	.....	S	Pln	148207
3	1/4	20 NC	.....	S	Pln	127477
4	1/4	28 NF	.....	S	Cad	190776
5	5/16	18 NC	.....	S	Cad	177995
6	5/16	18 NC	.....	S	Cad	174986
7	5/16	24 NF	5	S	Cad	190532
8	5/16	24 NF	5	S	Pln	148232
9	3/8	18 NC	.....	S	Cad	190533
10	3/8	24 NF	5	S	Pln	148238
11	3/8	24 NF	.....	S	Pln	148246
12	3/8	24 NF	.....	S	Cad	179247
13	1/16	20 NF	.....	S	Cad	177972

GROUP 147 NUT—CLINCH



ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	THD.	WIDTH				
1	5/16-24 NF	.424	.....	S	Cad	190872

GROUP 148 NUT—BLIND, HIGH CROWN



ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.				
1	No. 10	32 NF	5	S	Pkd	190640
2	No. 10	32 NF	.....	Br	Chr	131775

Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice



GROUP 148 NUT—Blind, High Crown (Cont'd)

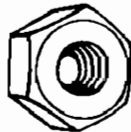
ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.				
3	1/4	20 NC	.....	S	Chr	131593
4	1/4	28 NF	.....	S	Cad	131657
5	5/16	24 NF	.....	S	Chr	131674
6	1 3/8	16 NC	.....	S	Pln	131563
7	3/8	24 NF	.....	Br	Chr	131778
8	7/16	14 NC	.....	Br	Chr	131774
9	1/2	13 NC	.....	Br	Pln	131613
10	1/2	13 NC	1	Br	Chr	131780
11	1/2	20 NF	1	Br	Chr	131788
12	5/8	18 NF	.....	S	Pln	131647

GROUP 149 NUT—BLIND, LOW CROWN



1	No. 6	32 NC	5	S	Cad	▼131416
2	No. 10	24 NC	5	S	Cad	▼131418
3	No. 10	24 NC	.....	S	Chr	131434
4	No. 12	24 NC	.....	S	Cad	131419
5	1/4	20 NC	.....	S	Cad	131420
6	1/4	20 NC	.....	Br	Chr	131743
7	5/16	18 NC	.....	S	Cad	131421
8	5/16	18 NC	.....	S	Chr	131437
9	3/8	16 NC	.....	S	NP	137297
10	3/8	24 NF	.....	S	Pln	131486
11	7/16	14 NC	.....	S	Pln	131407
12	7/16	20 NF	.....	S	Chr	131519
13	7/16	20 NF	1	Br	Chr	131750
14	1/2	20 NF	1	Br	Chr	131759
15	5/8	11 NC	.....	S	Cad	131426
16	5/8	18 NF	.....	S	Chr	131522
17	3/4	10 NC	.....	S	Cad	131427

GROUP 150 NUT—HEXAGON, STANDARD, SEMI-FINISHED

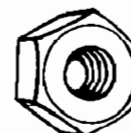


1	1/4	20 NC	30	S	Cad	▼120375
2	1/4	20 NC	.....	S	Chr	124559
3	1/4	20 NC	.....	Br	Pln	113739
4	1/4	20 NC	.....	Br	NP	124562
5	1/4	28 NF	30	S	Cad	▼120367
6	1/4	28 NF	12	S	Cad	120618
7	1/4	28 NF	.....	Br	Pln	114545
8	5/16	18 NC	25	S	Cad	▼120376
9	5/16	18 NC	.....	Br	Pln	113740
10	5/16	24 NF	.....	S	Chr	121767
11	5/16	24 NF	25	S	Cad	▼120368
12	5/16	24 NF	.....	S	Pln	110813
13	5/16	24 NF	.....	Br	Pln	114546

GROUP 150 NUT—Hexagon, Standard, Semi-Finished (Cont'd)

ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.				
14	5/16	24 NF	.....	Br	NP	124619
15	3/8	16 NC	20	S	Cad	▼120377
16	3/8	24 NF	20	S	Cad	▼120369
17	3/8	24 NF	5	S	Chr	▼124621
18	3/8	24 NF	.....	S	Pln	110814
19	3/8	24 NF	10	Br	Pln	▼114547
20	7/16	14 NC	12	S	Cad	▼124573
21	7/16	14 NC	.....	Br	Pln	115773
22	7/16	20 NF	.....	S	Cad	▼120370
23	7/16	20 NF	.....	Br	Pln	114544
24	1/2	13 NC	.....	S	Cad	120378
25	1/2	13 NC	.....	S	NP	113898
26	1/2	20 NF	12	S	Cad	▼120371
27	1/2	20 NF	.....	S	Chr	120624
28	5/16	12 NC	5	S	Cad	▼124583
29	5/16	18 NF	6	S	Cad	▼124634
30	5/16	18 NF	.....	S	Chr	124635
31	5/8	11 NC	.....	S	Cad	124589
32	5/8	11 NC	12	S	Pkd	118619
33	5/8	18 NF	5	S	Cad	▼121358
34	5/8	18 NF	.....	S	Chr	124640
35	3/4	10 NC	.....	S	Cad	▼124595
36	3/4	16 NF	5	S	Cad	▼124645
37	3/4	16 NF	1	S	Chr	124646
38	7/8	9 NC	.....	S	Pkd	118621
39	7/8	14 NF	.....	S	Cad	124651
40	1	8 NC	.....	S	Pkd	118622
41	1	8 NC	.....	S	Cad	124607
42	1	14 NF	.....	S	Pkd	115736
43	1 1/4	12 NC	.....	Br	Pln	114556

GROUP 151 NUT—HEXAGON, THICK, SEMI-FINISHED



1	1/4	28 NF	.....	S	Pln	137508
2	3/8	24 NF	16	S	Pln	▼115287
3	3/8	24 NF	18	S	Cad	▼125913
4	1/2	20 NF	.....	S	Pln	106638
5	1/2	20 NF	10	S	Cad	▼125653
6	5/8	18 NF	.....	S	Cad	143417

GROUP 152 NUT—HEXAGON, EXTRA THIN, SEMI-FINISHED



1	3/4	16 NF	.....	S	Pln	114382
2	1	14 NF	.....	S	Cad	147609
3	1 1/4	12 NF	.....	S	Pln	103063

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 153 NUT—HEXAGON THIN, CHECK, SEMI-FINISHED



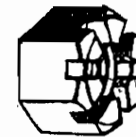
ITEM NO.	DIA.	DIMENSIONS THD.	U. P.	MAT.	FIN.	PART NO.
1	1/4	20 NC	.....	S	Chr	124819
2	1/4	28 NF	.....	S	NP	115792
3	5/16	18 NC	.....	S	Chr	124825
4	5/16	24 NF	20	S	Cad	▼124920
5	5/16	24 NF	.....	S	Chr	124921
6	3/8	24 NF	15	S	Cad	▼124925
7	3/8 (L.H. Thds.)	24 NF	.....	S	Pln	116428
8	1/16	14 NF	12	S	Cad	▼124834
9	1/16	20 NF	12	S	Cad	▼124929
10	1/2	13 NC	.....	S	Cad	120238
11	1/2	13 NC	.....	S	Chr	124839
12	1/2	20 NF	10	S	Cad	▼124934
13	9/16	12 NC	.....	S	Cad	124843
14	9/16	18 NF	6	S	Cad	▼124939
15	9/16	18 NF	.....	S	NP	▼115797
16	5/8	11 NC	.....	S	Pln	114507
17	5/8	11 NC	6	S	Cad	▼124847
18	5/8	18 NF	6	S	Cad	▼124944
19	3/4	10 NC	.....	S	Cad	124852
20	3/4	16 NF	5	S	Cad	▼124949
21	7/8	14 NF	.....	S	Cad	▼124954
22	1	14 NF	.....	S	Cad	124959
23	1 1/4	12 NC	.....	S	Cad	128122

GROUP 156 NUT—HEXAGON, SLOTTED, STANDARD, SEMI-FINISHED



ITEM NO.	DIA.	DIMENSIONS THD.	U. P.	MAT.	FIN.	PART NO.
1	1/4	28 NF	.....	S	Cad	125215
2	5/16	18 NC	.....	S	Cad	125119
3	3/8	24 NF	12	S	Cad	▼125233
4	3/8	24 NF	.....	S	Chr	125234
5	1/16	20 NF	8	S	Cad	121728
6	1/2	18 NC	.....	S	Cad	121592
7	1/2	20 NF	6	S	Cad	▼125250
8	9/16	18 NF	.....	S	Pln	102648

GROUP 157 NUT—HEXAGON, SLOTTED, THICK, SEMI-FINISHED



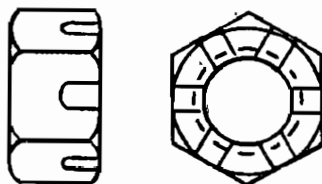
1	1/4	28 NF	.....	S	Cad	125380
2	5/16	24 NF	.....	S	Cad	125339
3	3/8	24 NF	.....	S	Cad	125348

GROUP 154 NUT—HEAVY HEXAGON, SEMI-FINISHED



1	3/8	16 NC	.....	S	Cad	174855
2	3/8	24 NF	.....	Br	Pln	177599
3	1/2	13 NC	.....	S	Cad	174819
4	3/4	11 NC	.....	S	Cad	174823
5	3/4	16 NF	.....	S	Cad	174826
6	7/8	9 NC	.....	S	Cad	174827
7	1 1/4	7 NC	.....	S	Pkd	192368
8	1 1/4	7 NC	.....	Br	Pln	174510
9	1 1/2	6 NC	.....	S	Cad	174837
10	1 1/2	6 NC	.....	Br	Pln	174512

GROUP 155 NUT—HEAVY HEXAGON, SLOTTED, SEMI-FINISHED



1	1 1/2	6 NC	.....	Br	Pln	174628
2	2	10 NF	.....	Br	Pln	172922

GROUP 158 NUT—HEXAGON, COMMON



1	No. 4	40 NF	60	S	Cad	▼134524
2	No. 6	32 NF	60	S	Cad	▼134530
3	No. 6	32 NF	.....	Br	Pln	113102
4	No. 8	32 NF	.....	S	Cad	120622
5	No. 8	32 NF	.....	S	NP	110922
6	No. 8	32 NF	.....	Br	Pln	113108
7	No. 8	32 NF	.....	Br	NP	118549
8	No. 10	24 NC	60	S	Cad	▼120361
9	No. 10	24 NC	30	S	Chr	▼134540
10	No. 10	24 NC	.....	Br	Pln	113104
11	No. 10	24 NC	.....	Br	NP	118554
12	No. 10	32 NF	60	S	Cad	▼120614
13	No. 10	32 NF	.....	S	Chr	121688
14	No. 10	32 NF	.....	Br	Pln	112432
15	No. 10	32 NF	.....	Br	NP	118555
16	No. 12	24 NC	30	S	Cad	▼121743
17	No. 12	24 NC	.....	S	NP	110926
18	No. 12	24 NC	.....	Br	Pln	113106
19	No. 12	24 NC	10	Br	NP	▼118556
20	1/4	20 NC	30	S	Cad	▼134551
21	1/4	20 NC	.....	Br	Pln	114379

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 158 NUT—Hexagon, Common (Cont'd)

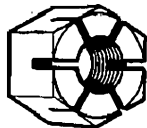
ITEM NO.	DIA.	DIMENSIONS THD.	U. P.	MAT.	FIN.	PART NO.
22	3/8	16 NC	.....	S	Cad	134566
23	3/8	16 NC	.....	S	Chr	134567
24	7/16	14 NC	.....	S	Cad	120865
25	3/16	12 NC	.....	S	Cad	125484
26	3/8	11 NC	.....	S	Cad	125491

GROUP 159 NUT—SQUARE, COMMON



1	No. 6	32 NF	.....	Br	Pln	121218
2	No. 8	32 NF	.....	S	Cad	134536
3	No. 10	24 NC	60	S	Cad	▼120619
4	No. 10	32 NF	.....	S	Cad	120611
5	1/4	20 NC	50	S	Cad	▼131395
6	5/16	18 NC	.....	S	Chr	134562
7	3/8	16 NC	25	S	Cad	▼134572
8	7/16	14 NC	.....	S	Cad	125529
9	1/2	13 NC	.....	S	Cad	125536
10	5/8	11 NC	.....	S	Cad	125550
11	3/4	10 NC	S	Pkd	125560

GROUP 160 NUT—LOCK, HEXAGON, THICK, SEMI-FINISHED



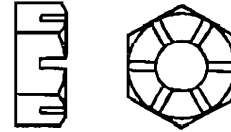
1	3/16	18 NF	S	Cad	145058
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GROUP 161 NUT—LOCK, HEXAGON, THIN, SEMI-FINISHED



1	1/2	20 NF	S	Cad	145032
2	5/8	18 NF	S	Pln	145013

GROUP 162 NUT—LOCK, HEXAGON, STANDARD, SEMI-FINISHED



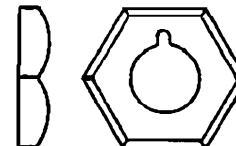
ITEM NO.	DIA.	DIMENSIONS THD.	U. P.	MAT.	FIN.	PART NO.
1	3/8	24 NF	.....	S	Cad	126006
2	7/16	14 NC	10	S	Cad	▼126012
3	7/16	20 NF	8	S	Cad	▼126022
4	1/2	20 NF	6	S	Cad	▼126016
5	3/4	16 NF	.....	S	Pln	131248

GROUP 163 NUT—STAMPED, HEXAGON, STANDARD, TYPE A



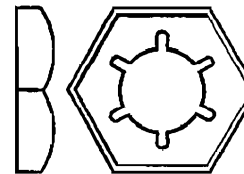
1	No. 10	24	50	S	Cad	▼144567
2	No. 10	32	S	Cad	144562

GROUP 164 NUT—STAMPED, HEXAGON, STANDARD, TYPE AA



1	No. 3	48	40	S	Pln	▼178778
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GROUP 165 NUT—STAMPED, HEXAGON, STANDARD, TYPE B



1	1/4	20	S	Cad	107814
2	3/8	24	S	Cad	107823
3	3/8	24	12	S	Pkd	▼107322

GROUP 166 NUT—STAMPED, HEXAGON, INVERTED, TYPE C



1	No. 6	32	.....	S	Cad	174894
2	No. 6	32	40	S	Pkd	▼174893
3	No. 8	32	40	S	Cad	▼177746



GROUP 167 NUT—STAMPED, HEXAGON, INVERTED, TYPE D



ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.				
1	1/4	20	25	S	Pkd	177758

GROUP 168 NUT—TRI-SLOT, HEXAGON, THIN, SEMI-FINISHED



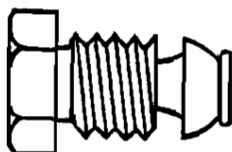
1	1/4	20 NC	.....	S	Cad	128139
2	5/16	24 NF	.....	S	Cad	128177
3	7/16	20 NF	.....	S	Cad	128014
4	3/4	16 NF	.....	S	Cad	128180

GROUP 169 NUT—TRI-SLOT, HEXAGON, THICK, SEMI-FINISHED



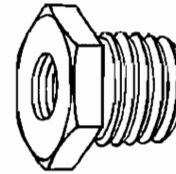
1	1/4	28 NF	.....	S	Cad	128217
2	5/16	18 NF	.....	S	Cad	128025
3	3/8	18 N	4	S	Cad	128027

GROUP 170 NUT—W/SLEEVE, ASSEMBLY



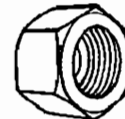
ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	TUBE DIA.	THD.				
1	1/8	5/16-27	.....	Br	Pln	119342
2	3/16	3/8-27	5	Br	Pln	119335
3	1/4	1/2-27	.....	Br	Pln	119336
4	5/16	1/2-24	1	Br	Pln	119337
5	3/8	3/4-24	.....	Br	Pln	119338
6	1/2	1 1/16-24	.....	Br	Pln	119339

GROUP 171 NUT—COMPRESSION COUPLING, DOHNER JR. TYPE



ITEM NO.	DIMENSIONS		U. P.	MAT.	FIN.	PART NO.
	TUBE DIA.	THD.				
1	3/16	3/8-24	.....	Br	Pln	115680
2	1/4	7/16-20	.....	Br	Pln	115681
3	5/16	1/2-20	.....	Br	Pln	115682
4	3/8	9/16-18	.....	Br	Pln	115683
5	7/16	5/8-18	.....	Br	Pln	115684
6	1/2	1 1/16-16	.....	Br	Pln	115685

GROUP 172 NUT—HEXAGON, BALL SLEEVE TUBING



1	1/8	5/16-24	.....	Br	Pln	121220
2	3/16	3/8-24	.....	Br	Pln	120487
3	1/4	7/16-24	.....	Br	Pln	114627
4	5/16	1/2-24	.....	Br	Pln	114630
5	3/8	1/2-24	.....	S	Cad	191055
6	1/2	9/16-24	.....	Br	Pln	140287
7	3/8	1 1/16-24	.....	Br	Pln	114623
8	1/2	1 1/16-20	.....	Br	Pln	120181
9	3/4	1-18	.....	Br	Pln	144409

GROUP 173 NUT—INVERTED FLARED TUBE



1	1/8	5/16-28	.....	S	Cad	137395
2	3/16	3/8-24	.....	Br	Chr	142548
3	1/4	3/8-24	5	S	Cad	137396
4	1/4	7/16-20	.....	S	Pln	143521
5	1/4	7/16-24	5	S	Cad	137397
6	3/16	1/2-20	5	S	Cad	137398
7	5/16	1/2-20	.....	S	Chr	115272
8	3/8	5/8-18	.....	S	Cad	137399
9	1/2	1 1/16-18	.....	S	Cad	137400
10	3/4	3/4-18	.....	S	Cad	137401

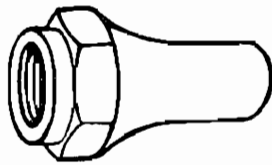
Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

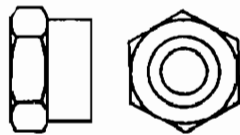


GROUP 174 NUT-FLARED TUBE



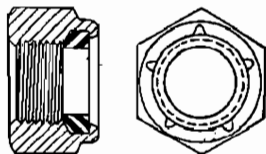
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	THD.				
1	3/16	3/8-24	.....	Br	Pln	120704
2	1/4	7/16-20	.....	Br	Pln	118537
3	1/4	7/16-20	.....	Br	Pln	116452
4	3/16	1/2-20	.....	Br	Pln	118538
5	3/8	5/8-18	.....	Br	Pln	118539
6	7/16	11/16-16	.....	Br	Pln	118540
7	1/2	3/4-16	.....	Br	Pln	118541
8	1/2	3/4-16	Br	Pln	120141

GROUP 175 NUT-HEXAGON, TUBE, TYPE E



1	3/16	3/16-18	S	Cad	189897
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GROUP 176 NUT-LOCK, TYPE A



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.				
1	No. 10	32 NF	S & fib	Cad	190564

GROUP 177 NUT-PIPE LOCK



1	3/8	1	MI	Pln	119243
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GROUP 178 NUT-SPRING, TYPE A



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	L.	WIDTH				
1	2 3/32	1/2	20	S	Cad	147705
2	1	1/2	6	S	Cad	148396
3	3/16	5/16	25	S	Cad	188369

GROUP 179 NUT-TEE, TYPE B, PLAIN BASE



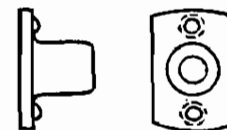
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	5/16	5/16-24	7/8	5	S	Pln	127549

GROUP 180 NUT-TEE, OBLONG BASE, 2 HOLE BASE



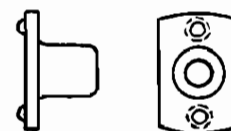
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	HEIGHT				
1	No. 12-24	NC	11/16	5	S	Pln	127500
2	5/16-18	NC	7/8	12	S	Pln	125616
3	5/16-18	NC	7/8	.....	S	Cad	148582
4	1/4-20	NC	11/16	S	Cad	148579

GROUP 181 NUT-TEE, TYPE B, 2 BOSS BASE, TYPE A



1	1/4-20 NC	5/16	S	Cad	143635
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GROUP 182 NUT-TEE, TYPE B, TWO BOSS BASE, TYPE B



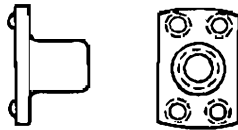
1	5/16-24 NF	3/8	S	Pln	143654
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GROUP 183 NUT—TEE, TYPE B, 2 HOLE BASE



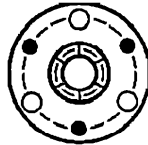
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	HEIGHT				
1	No. 10-24	NC	3/2	.....	S	Pln	127536
2	No. 10-32	NF	3/2	S	Cad	143622

GROUP 184 NUT—TEE, TYPE B, 4 BOSS BASE, TYPE B



1	5/16-18	NC	3/8	S	Pln	143670
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GROUP 185 NUT—TEE, ROUND BASE, 3 HOLE BASE



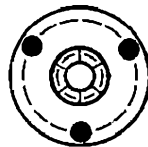
1	5/16-18	NC	3/8	S	Cad	▼143723
2	5/16-18	NC	5/8	S	Cad	▼143724

GROUP 186 NUT—TEE, ROUND BASE, 3 BOSS BASE, TYPE B



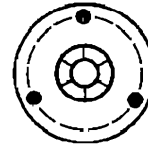
1	3/8-16	NF	1/16	S	Pln	▼143761
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GROUP 187 NUT—TEE, ROUND BASE, 3 HOLE, 3 PRONG BASE



1	No. 10-24	NC	3/2	S	Pln	125599
2	No. 12-24	NC	5/16	S	Pln	127586
3	5/16-18	NC	3/8	.....	S	Pln	127600

GROUP 188 NUT—TEE, ROUND BASE, 3 PRONG BASE



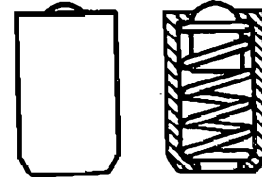
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	HEIGHT				
1	3/8-16	NC	7/16	.....	S	Cad	▼143736

GROUP 189 NUT—WING, TYPE A



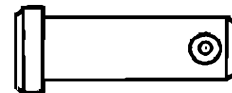
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	HEIGHT				
1	No. 10	24	NC	.....	S	Cad	144233
2	No. 10	32	NF	.....	S	Cad	110330
3	1/4	20	NC	.....	S	BE	110685
4	1/4	20	NC	.....	S	NP	116050
5	5/16	18	NC	.....	S	Cad	142745
6	3/8	16	NC	.....	S	Cad	126032
7	7/16	14	NC	.....	S	Cad	144235
8	1/2	13	NC	.....	S	Pkd	▼144241

GROUP 190 OILER



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	L	DIA.				
1	3/8	6	.....	Br	NP	104978
2	1/2	.....	.....	Br	Pln	108664

GROUP 191 PIN—CLEVIS



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	DIA.	L				
1	3/16	19/32	.....	H. S.	Cad	138082
2	1/4	51/64	.....	H. S.	Cad	138083
3	5/16	31/32	6	H. S.	Cad	▼121741
4	3/8	13/32	5	H. S.	Cad	▼138084
5	7/16	113/64	.....	H. S.	Cad	138085
6	5/8	123/32	.....	S	Cad	138081

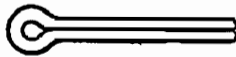
▼ indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

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GROUP 192 PIN—COTTER, SPLIT



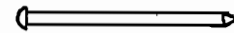
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	DIA.	L				
1	3/64	3/8	S	Pln	150681
2	3/64	1/2	.....	S	Pln	114856
3	1/16	1/2	.....	RS	Pln	190432
4	1/16	1/2	.....	S	Cad	112726
5	1/16	1	125	S	Pln	▼103363
6	1/16	1 3/8	.....	S	Pln	108640
7	3/32	3/4	125	S	Pln	▼103373
8	3/32	3/4	.....	S	Cad	▼121222
9	3/32	1 1/8	125	S	Pln	▼108636
10	3/32	2 1/2	60	S	Pln	▼103380
11	1/8	1/8	.....	Br	Pln	144518
12	1/8	5/8	.....	S	Pln	107763
13	1/8	7/8	.....	S	Pln	108630
14	1/8	1 5/8	125	S	Pln	▼119209
15	1/8	1 3/4	8	RS	Pln	▼190381
16	1/8	2 1/4	80	S	Pln	103390
17	1/8	3	.....	S	Pln	103398
18	3/32	1/2	.....	S	Pln	103394
19	3/32	1	60	S	Pln	▼103396
20	3/32	1 3/8	.....	S	Cad	137223
21	3/32	1 5/8	60	S	Pln	▼119210
22	3/32	1 3/4	.....	S	Pln	103399
23	3/32	2 3/4	.....	S	Pln	103403
24	3/16	1 5/8	.....	S	Cad	137253
25	3/16	1 5/8	.....	S	Pkd	137254
26	3/16	3	.....	S	Pln	103415
27	7/32	1 3/4	.....	S	Pln	103561
28	7/32	2 1/2	.....	S	Pln	108564
29	7/32	3	12	S	Cad	▼137298
30	1/4	2 1/4	.....	S	Cad	137303
31	1/4	2 1/4	.....	S	Pkd	137304
32	1/4	2 1/2	.....	S	Pkd	137309
33	1/4	3 1/2	.....	Br	Pln	192200
34	3/16	2 1/2	.....	S	Pkd	137324
35	3/8	2 1/2	.....	S	Cad	193244
36	3/8	4	.....	Br	Pln	192201

GROUP 193 PIN—DOWEL, GROUND



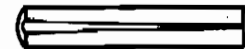
1	1/16	1/2	.....	S	Pln	▼141054
2	3/32	1/2	.....	S	Pln	141067
3	3/16	1 3/8	.....	S	Pln	141162
4	7/32	9/16	4	S	Pln	▼141173
5	1/4	5/8	6	S	Pln	▼141195
6	1/4	1 3/4	.....	S	Pln	141207
7	1/4	2 1/4	3	S	Pln	▼141210
8	1/4	2 3/8	.....	S	Pln	▼138457
9	1/4	2 1/2	.....	S	Pln	▼141211
10	5/16	1 3/4	.....	S	Pln	141229
11	5/16	2	.....	S	Pln	141231
12	3/8	1 1/8	.....	S	Pln	▼141245
13	1/2	1 3/8	.....	S	Pln	▼141286

GROUP 194 PIN—ESCUTCHEON



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	DIA.	L				
1	No. 16 (.068)	3/4	.....	Br	Chr	187801
2	No. 15 (.075)	1/4	.....	Br	NP	118308
3	No. 14 (.086)	5/8	.....	Br	NP	103675
4	No. 13 (.098)	5/8	.....	Br	NP	118322

GROUP 195 PIN—STRAIGHT, GROOVED



1	3/32	1/2	8	S	Cad	▼142952
2	3/32	5/8	.....	S	Cad	142953
3	1/8	5/8	.....	S	Cad	142485
4	1/8	3/4	.....	S	Cad	142486
5	1/8	1	.....	S	Cad	142488
6	1/8	1 1/4	.....	S	Cad	142489
7	5/32	5/8	5	S	Cad	▼142492
8	5/32	3/4	.....	S	Cad	142493
9	5/32	7/8	.....	S	Cad	142494
10	5/32	1 1/8	5	S	Cad	▼136301
11	5/32	1 1/4	.....	S	Cad	142496
12	5/32	1 3/8	.....	S	Cad	190901
13	5/32	1 1/2	5	S	Cad	▼142497
14	11/64	1	.....	S	Cad	142501
15	3/16	5/8	5	S	Cad	▼187733
16	3/16	1	.....	S	Cad	142359
17	3/16	1 1/8	5	S	Cad	▼183943
18	3/16	1 1/4	.....	S	Cad	142508
19	3/16	1 1/2	.....	S	Cad	142509
20	3/16	1 3/4	.....	S	Cad	142510
21	7/32	3/4	5	S	Cad	▼142512
22	7/32	1 1/4	.....	S	Cad	142515
23	1/4	5/8	5	S	Cad	▼186507
24	1/4	7/8	.....	S	Cad	142519
25	1/4	1	.....	S	Cad	▼142520
26	1/4	1 1/8	.....	S	Cad	144563
27	1/4	1 1/4	.....	S	Cad	142521
28	1/4	1 1/2	.....	S	Cad	142358
29	1/4	2	.....	S	Cad	▼142523
30	5/16	1 1/4	.....	S	Cad	142533
31	5/16	2	.....	S	Cad	▼142535

GROUP 196 PIN—STRAIGHT, CHAMFERED



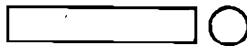
1	1/16	2 1/4	.....	S	Pln	144565
2	3/32	9/32	.....	S	Pln	109576
3	3/32	7/16	.....	S	Pln	110414
4	3/32	7/8	.....	S	Pln	103678
5	7/64	3/4	18	S	Pln	▼110756
6	1/8	3/8	.....	S	Pln	103689
7	1/8	1/2	25	S	Pln	▼103690
8	1/8	9/16	12	S	Pln	▼117866
9	1/8	3/4	.....	S	Pln	103692
10	1/8	1	.....	S	Pln	103694
11	1/8	1 1/8	.....	S	Pln	103695



GROUP 196 PIN—Straight, Chamfered (Cont'd)

ITEM NO.	DIA.	DIMENSIONS L.	U.P.	MAT.	FIN.	PART NO.
12	1/8	1 3/8	.....	S	Pln	103697
13	1/8	1 5/8	5	S	Pln	▼103699
14	5/32	1 1/16	.....	S	Pln	110742
15	5/32	7/8	.....	S	Pln	103708
16	5/32	1 5/8	.....	S	Pln	103714
17	3/16	5/16	25	S	Pln	▼110409
18	3/16	7/16	20	S	Pln	▼110417
19	3/16	9/16	.....	S	Pln	117868
20	3/16	1 1/16	.....	S	Pln	110743
21	3/16	3/4	.....	S	Pln	103722
22	3/16	15/16	.....	S	Pln	117875
23	3/16	1 1/8	.....	S	Pln	103725
24	3/16	1 1/4	10	S	Pln	▼103726
25	3/16	1 5/8	.....	S	Pln	103729
26	3/16	1 3/4	5	S	Pln	▼103730
27	3/16	2	.....	S	Pln	103732
28	3/16	2 1/2	.....	S	Pln	144529
29	3/16	2 1/2	.....	Br	Pln	187171
30	7/32	1	.....	S	Pln	137460
31	1/4	1/2	.....	S	Pln	103735
32	1/4	3/4	.....	S	Pln	103737
33	1/4	7/8	.....	S	Pln	103738
34	1/4	2	5	S	Pln	▼103747
35	1/4	2 1/2	.....	S	Pln	114994
36	5/16	1 1/2	.....	S	Pln	103758
37	3/8	9/16	.....	S	Pln	137341
38	3/8	2 1/2	.....	S	Pln	117884
39	3/8	3 1/4	.....	S	Pln	137945
40	1/2	1 3/16	.....	S	Pln	110739

GROUP 197 PIN—STRAIGHT, SQUARE END



1	1/16	1 1/16	.....	S	Pln	137476
2	3/32	5/8	.....	S	Pln	111988
3	1/8	3/16	.....	S	Pln	112659
4	1/8	3/8	.....	S	Pln	112004
5	1/8	1/2	.....	S	Pln	112006
6	1/8	5/8	.....	S	Pln	112007
7	1/8	1 7/8	12	S	Pln	▼112019
8	5/32	3/16	.....	S	Pln	113162
9	5/32	3/4	18	S	Pln	▼112029
10	5/32	7/8	12	S	Pln	112031
11	5/32	1	.....	S	Pln	112032
12	5/32	1 1/8	.....	S	Pln	112033
13	5/32	1 1/4	12	S	Pln	▼112034
14	5/32	2	5	S	Pln	▼112040
15	3/16	1	.....	S	Pln	110995
16	3/16	1 1/2	.....	S	Pln	112055
17	3/16	1 3/4	12	S	Pln	112057
18	1/4	3/8	.....	S	Pln	112063
19	1/4	1 1/8	.....	S	Pln	112072
20	1/4	1 3/8	.....	S	Pln	110977
21	1/4	1 7/8	.....	S	Pln	112077
22	5/16	1 3/8	.....	S	Pln	112093
23	3/8	1 3/16	.....	S	Pln	112108
24	3/8	1 1/16	.....	S	Pln	117900
25	3/8	1 1/8	.....	S	Pln	112111

GROUP 197 PIN—Straight, Square End (Cont'd)

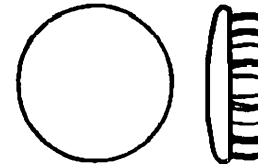
ITEM NO.	DIA.	DIMENSIONS L.	U.P.	MAT.	FIN.	PART NO.
26	3/8	1 3/8	.....	S	Pln	112113
27	3/8	1 1/2	.....	S	Pln	112114
28	3/8	2	.....	S	Pln	112118

GROUP 198 PIN—TAPER



1	No. 00000	.094	5/8	.....	S	Pln	140144
2	No. 000	.125	3/4	.....	S	Pln	111828
3	No. 00	.141	3/4	.....	S	Pln	111840
4	No.	0.156	5/8	.....	S	Pln	117914
5	No.	0.156	3/4	.....	S	Pln	103563
6	No.	1.172	7/8	.....	S	Pln	113500
7	No.	2.193	5/8	10	S	Pln	▼140153
8	No.	2.193	3/4	.....	S	Pln	103583
9	No.	2.193	7/8	.....	S	Chr	189359
10	No.	2.193	1 1/4	.....	S	Pln	103585
11	No.	2.193	1 3/4	.....	S	Pln	103587
12	No.	2.193	2	.....	S	Pln	103588
13	No.	3.219	1 1/4	.....	S	Pln	103595
14	No.	4.250	1 3/8	.....	S	Pln	110773
15	No.	4.250	1 1/4	.....	S	Pln	103605
16	No.	4.250	1 3/4	.....	S	Pln	103607
17	No.	4.250	2	.....	S	Pln	103608
18	No.	7.409	1 1/4	.....	S	Pln	100360

GROUP 199 PLUG—BUTTON



1	3/16	7/32	.....	S	Chr	142003
2	13/64	7/32	.....	S	BE	142006
3	7/32	7/32	.....	Br	Chr	142102
4	1/4	1/4	.....	S	BE	142061
5	1/4	1/4	.....	Br	Chr	142106
6	5/32	3/4	.....	S	Chr	142066
7	2 1/64	1/4	.....	S	Chr	142011
8	3/8	15/64	.....	S	Pln	110726
9	13/32	15/64	.....	S	Pln	142067
10	13/32	15/64	5	S	Chr	▼142070
11	7/16	7/32	8	S	Cad	▼188003
12	15/32	3/8	.....	S	BE	142148
13	1/2	17/64	6	S	Cad	▼188002
14	1/2	17/64	5	S	Chr	▼142019
15	1/2	17/64	.....	S	Ni	142017
16	33/64	17/64	.....	Br	Pln	142115
17	33/64	17/64	.....	S	BE	142073
18	9/16	9/32	.....	S	BE	142077
19	5/8	19/64	.....	S	BE	142081
20	1 1/16	17/64	.....	S	Pln	142020
21	3/4	9/32	.....	S	Pln	111656
22	3/4	19/64	.....	S	BE	142026

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

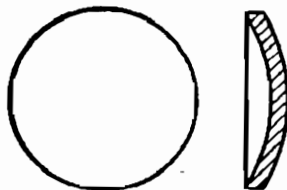
Specifications subject to change without notice.



GROUP 199 PLUG—Button (Cont'd)

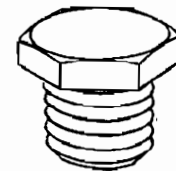
ITEM NO.	HOLE DIA.	DIMENSIONS L.	U.P.	MAT.	FIN.	PART NO.
23	7/8	9/32	.....	S	BE	142085
24	7/8	23/64	.....	S	NP	142155
25	7/8	9/32	.....	Br	Chr	142129
26	29/32	5/16	.....	S	Chr	▼178023
27	1	19/64	.....	S	Pln	142091
28	1 1/4	5/16	.....	Br	Pln	142138
29	1 5/8	31/64	.....	S	BE	▼178067
30	1 7/8	27/64	.....	S	BE	142160

GROUP 200 PLUG—EXPANSION



ITEM NO.	DIA.	DIMENSIONS THK.	U.P.	MAT.	FIN.	PART NO.
1	1/4	.082	.....	S	Pln	106959
2	5/16	.065	.....	S	Pln	117916
3	3/8	.065	.....	S	Pln	103889
4	7/16	.065	.....	S	Pln	117917
5	1/2	.065	.....	S	Pln	103890
6	1/2	.065	.....	Al	Pln	138106
7	9/16	.065	.....	S	Pln	117918
8	5/8	.065	.....	Br	Pln	▼128244
9	5/8	.065	.....	S	Pln	103891
10	11/16	.065	5	S	Pln	▼117612
11	3/4	.065	.....	S	Pln	103892
12	13/16	.065	.....	S	Pln	105602
13	7/8	.083	5	S	Pln	▼103893
14	7/8	.083	.....	Br	Pln	121755
15	15/16	.083	.....	S	Pln	117919
16	1	.083	5	S	Pln	▼103894
17	1	.083	.....	Br	Pln	▼137183
18	1 1/16	.083	5	S	Pln	▼117920
19	1 1/16	.083	.....	Br	Pln	121756
20	1 1/8	.083	5	S	Pln	▼106517
21	1 3/16	.083	.....	S	Pln	117921
22	1 3/16	.083	.....	Br	Pln	140690
23	1 1/4	.083	.....	S	Pln	103895
24	1 1/4	.083	2	Br	Pln	179380
25	1 3/8	.083	.....	S	Pln	117923
26	1 3/8	.083	.....	Br	Pln	▼178878
27	1 7/16	.083	.....	S	Pln	105603
28	1 1/2	.083	.....	S	Pln	103896
29	1 1/2	.083	.....	Br	Pln	125962
30	1 5/8	.083	5	S	Pln	▼117924
31	1 5/8	.083	.....	Br	Pln	140802
32	1 3/4	.083	.....	S	Pln	103897
33	1 3/4	.083	.....	Br	Pln	▼121757
34	1 7/8	.083	.....	S	Pln	114564
35	2	.083	.....	Br	Pln	140089
36	2 1/4	.083	.....	S	Pln	113537
37	2 1/2	.083	.....	S	Pln	103899

GROUP 201 PLUG—PIPE, HEXAGON HEAD



ITEM NO.	DIMENSIONS TAPER THD.	U.P.	MAT.	FIN.	PART NO.
1	1/8-27	.....	Br	Pln	127950
2	1/4-18	.....	Br	Pln	▼127951

GROUP 202 PLUG—PIPE, COUNTERSUNK HEADLESS



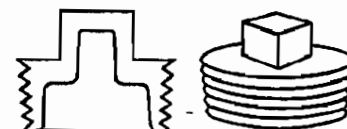
1	3/8-18	.....	M.I.	Pln	113185
2	3/8-18	5	S	Pln	143162
3	1/2-14	.....	C.I.	Pln	103874
4	3/4-14	.....	C.I.	Pln	103875
5	1 -11 1/2	.....	Br	Pln	144024
6	1 -11 1/2	.....	C.I.	Pln	103876

GROUP 203 PLUG—PIPE, SLOTTED HEADLESS



1	1/8-27	.....	S	Pln	103883
2	1/8-27	.....	Br	Pln	118831
3	1/4-18	.....	Br	Pln	113935

GROUP 204 PLUG—PIPE, SQUARE HEAD, HOLLOW



ITEM NO.	DIMENSIONS DIA. THD.	U. P.	MAT.	FIN.	PART NO.
1	3/8-18	.....	C.I.	Pln	103867
2	3/8-18	.....	Br	Pln	▼112304
3	1/2-14	.....	C.I.	Pln	103868
4	1 -11 1/2	.....	C.I.	Pln	103870
5	1 1/4-11 1/2	.....	C.I.	Pln	106642
6	1 1/4-11 1/2	.....	S	Pln	113181



GROUP 205 PLUG—PIPE, SQUARE HEAD, SOLID



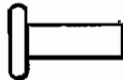
ITEM NO.	DIMENSIONS TAPER THD.	U.P.	MAT.	FIN.	PART NO.
1	1/8-27	.....	S	Cad	117243
2	1/8-27	.....	C.I.	Pln	108865
3	1/8-27	5	C.I.	Cad	▼143932
4	1/4-18	.....	C.I.	Cad	143933
5	1/4-18	.....	Br	Pln	112578

GROUP 206 RING—COMPRESSION, COUPLING, DOHNER JR. TYPE



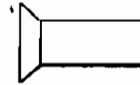
ITEM NO.	DIMENSIONS TUBE DIA.	U.P.	MAT.	FIN.	PART NO.
1	3/16	.....	S	Pln	115674
2	1/4	6	S	Pln	115675
3	5/16	.....	S	Pln	115676
4	3/8	.....	S	Pln	115677
5	1/2	.....	S	Pln	115678
6	1/2	.....	S	Pln	115679

GROUP 207 RIVET—FLAT HEAD



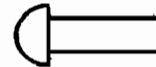
ITEM NO.	DIA.	DIMENSIONS L	U. P.	MAT.	FIN.	PART NO.
1	3/32	1/4	.....	S	Pln	134773
2	1/8	3/4	.....	S	Pln	104223
3	5/32	5/16	.....	S	Pln	134793
4	3/16	3/2	40	S	Pln	▼104235
5	3/16	5/8	.....	S	Pln	104236
6	3/16	1 1/8	.....	S	Pln	104240
7	1/4	1 1/16	30	S	Pln	▼118061
8	5/16	7/8	25	S	Pln	▼104266
9	1/4	1 1/4	.....	S	Pln	104255
10	5/16	1 1/4	24	S	Pln	▼104269
11	5/16	1 5/16	.....	S	Pln	118078
12	5/16	1 3/8	.....	S	Cad	186856
13	3/8	1 3/8	20	S	Pln	▼104282
14	3/8	1 3/8	.....	S	Pln	104284
15	3/8	1 3/8	.....	S	Pln	▼104286
16	3/8	2 3/8	.....	S	Pln	134961
17	1/2	1 1/8	12	S	Pln	▼120000

GROUP 208 RIVET—FLAT HEAD, COUNTERSUNK



ITEM NO.	DIA.	DIMENSIONS L	U. P.	MAT.	FIN.	PART NO.
1	No. 7	9/16	.....	Cop.	Pln	109903
2	No. 8	3/8	.....	Cop.	Pln	109913
3	No. 9	1/2	.....	Cop.	Pln	109552
4	No. 11	5/16	.....	Cop.	Pln	113662
5	No. 11	3/8	.....	Cop.	Pln	113663
6	5/32	5/16	.....	S	Pln	134997
7	1/8	3/8	.....	S	Pln	104138
8	5/16	1 1/8	.....	S	Pln	104184
9	5/32	1/2	.....	S	Pln	135026
10	3/16	5/8	.....	S	Pln	104152
11	3/16	1 1/2	.....	S	Pln	104159
12	7/32	1 15/16	.....	S	Pln	135054
13	1/4	7/8	40	S	Pln	▼104168
14	1/4	1 3/8	.....	S	Pln	104175
15	1/4	2 1/2	.....	S	Pln	110659
16	1/4	2 3/4	.....	S	Pln	110660
17	1/8	3/4	.....	S	Pln	104139
18	5/16	1 3/4	.....	S	Pln	104139
19	3/8	1 1/4	.....	S	Pln	104199
20	1/16	1 3/4	.....	S	Pln	135212
21	3/8	2 3/4	.....	S	Pln	110668

GROUP 209 RIVET—SOLID, ROUND HEAD



ITEM NO.	DIA.	DIMENSIONS L	U. P.	MAT.	FIN.	PART NO.
1	No. 11	3/16	.....	S	Pln	115050
2	5/32	7/16	.....	S	Pln	121613
3	1/8	1/4	.....	S	Pln	104051
4	1/8	9/16	.....	S	Pln	102675
5	1/8	1	18	S	Pln	▼104057
6	5/32	9/16	.....	S	Pln	110791
7	5/32	1 3/8	15	S	Pln	▼110800
8	3/16	5/16	25	S	Cad	▼125708
9	3/16	3/8	20	S	Cad	▼125709
10	3/16	1/2	.....	S	Cad	173111
11	3/16	5/8	100	S	Pln	▼104068
12	3/16	1	.....	S	Pln	104071
13	3/16	1 1/8	.....	Al	Pln	126146
14	3/16	1 1/2	.....	S	Pln	104075
15	7/32	1 1/4	.....	S	Pln	102660
16	7/32	2 1/4	.....	S	Pln	105098
17	7/32	2 1/2	.....	S	Pln	102667
18	1/4	1	30	S	Pln	▼104085
19	1/4	1 7/8	.....	S	Pln	108682
20	5/32	5/8	.....	S	Pln	134681
21	5/16	1 15/16	30	S	Pln	▼103487
22	5/16	1 3/8	12	S	Pln	▼104102
23	5/16	2 1/4	.....	S	Pln	105205
24	5/16	2 3/4	.....	S	Pln	110220
25	1 1/32	1 15/16	.....	S	Pln	134728
26	3/8	1	.....	S	Pln	104113

Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 209 RIVET—Solid, Round Head (Cont'd)

ITEM NO.	DIA.	DIMENSIONS L.	U. P.	MAT.	FIN.	PART NO.
27	3/8	1 1/8	.....	S	Pln	104114
28	3/8	1 7/8	12	S	Pln	▼108684
29	3/8	3	.....	S	Pln	▼107570
30	3/8	3 1/2	.....	S	Pln	134760
31	7/16	1 3/4	.....	S	Pln	110434
32	7/16	1 1/2	.....	S	Pln	110437
33	1/2	1 1/2	.....	S	Pln	104131
34	1/2	1 3/4	.....	S	Pln	104133
35	1/2	1 7/8	.....	S	Pln	108685
36	5/8	2	S	Pln	119286

GROUP 210 RIVET—SOLID, SMALL ROUND HEAD



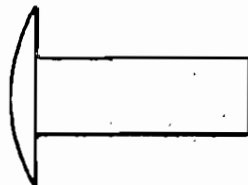
1	5/16	1 3/4	S	Pln	108478
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GROUP 211 RIVET—SOLID, TRUSS HEAD



ITEM NO.	DIA.	DIMENSIONS L.	U. P.	MAT.	FIN.	PART NO.
1	No. 18	7/64	.....	Cop.	Pln	119242
2	1/8	1/4	.....	S	Pln	107141
3	3/32	5/32	.....	S	Pln	118867
4	3/32	1/4	.....	S	Pln	118188
5	3/16	1/4	.....	S	Pln	107155
6	3/16	5/16	.....	S	Pln	119009
7	3/16	3/8	.....	S	Pln	107156
8	3/16	7/16	.....	S	Pln	125676
9	3/16	1/2	.....	S	Pln	107157
10	3/16	5/8	.....	S	Pln	107158
11	1/4	3/4	.....	S	Pln	107170
12	1/4	7/16	.....	S	Cad	109375
13	1/4	1/2	.....	S	Pln	107171
14	1/4	3/4	.....	S	Pln	107173
15	1/4	7/8	.....	S	Pln	107174
16	1/4	1	.....	S	Pln	107175
17	3/8	3/4	.....	S	Pln	107201
18	3/8	7/8	.....	S	Pln	107202
19	3/8	1	.....	S	Pln	107203

GROUP 212 RIVET—SOLID, WAGON BOX HEAD

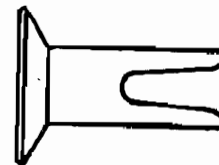


1	1/8	5/16	.....	S	Pln	118096
2	3/32	5/16	.....	S	Pln	135234

GROUP 212 RIVET—Solid, Wagon Box Head (Cont'd)

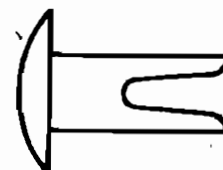
ITEM NO.	DIA.	DIMENSIONS L.	U. P.	MAT.	FIN.	PART NO.
3	5/32	3/8	40	S	Pln	▼135265
4	5/32	1 1/8	.....	S	Pln	135276
5	3/16	5/16	12	Cop.	Pln	▼189625
6	3/16	1/2	.....	Br	Pln	187805
7	3/16	1	.....	S	Pln	106888
8	3/16	1 5/8	.....	S	Pln	106893
9	1/4	1 1/16	.....	S	Pln	135332
10	1/4	1 3/8	.....	S	Pln	106905
11	1/4	2 1/2	.....	S	Pln	117697
12	1/4	3	.....	S	Pln	134580
13	3/32	1 5/8	.....	S	Pln	135365
14	5/16	5/8	30	S	Pln	▼106913
15	3/8	7/8	.....	S	Pln	106929

GROUP 213 RIVET—SPLIT, FLAT COUNTERSUNK HEAD



1	1/8	1/2	.....	Br	Pln	136757
2	3/64	1/2	25	S	BE	▼136731
3	3/64	5/8	.....	S	BE	136803
4	3/16	7/8	.....	S	BE	137566

GROUP 214 RIVET—SPLIT, OVAL HEAD



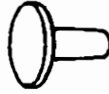
1	1/8	5/16	60	Br	BE	▼115697
2	1/8	3/8	.....	S	BE	104442
3	1/8	1/2	.....	S	NP	136612
4	1/8	5/8	.....	Br	BE	136645
5	1/8	7/8	.....	Br	NP	116334
6	3/64	3/8	.....	S	Cad	148061
7	3/64	7/16	100	Br	Pln	▼118194
8	3/64	1/2	.....	S	NP	136659
9	3/64	1/2	.....	Br	NP	113950
10	3/64	5/8	.....	S	BE	142960
11	3/64	5/8	50	Br	NP	121889
12	3/64	3/4	.....	Br	Pln	110060
13	3/64	1 1/8	.....	S	Pln	106689
14	3/16	3/4	.....	Br	Pln	110078
15	7/32	7/16	.....	Br	Chr	113452
16	3/16	7/16	.....	Br	BE	136696

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

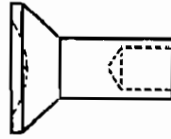
Specifications subject to change without notice.

GROUP 215 RIVET—TINNER'S



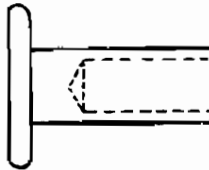
ITEM NO.	DIA.	DIMENSIONS L.	U. P.	MAT.	FIN.	PART NO.
1	.113	$\frac{5}{16}$	25	S	Tin	▼136832
2	.179	$\frac{11}{32}$	.....	S	Tin	100368
3	.201	$\frac{3}{8}$	.....	S	Tin	112624
4	.241	$\frac{15}{32}$	.....	S	Tin	140189

GROUP 216 RIVET—TUBULAR, CUPPED HEAD COUNTERSUNK, DRILLED



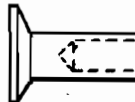
1	$\frac{3}{64}$	$\frac{3}{32}$	100	Br	Pln	▼112711
2	$\frac{3}{64}$	$\frac{5}{16}$	.....	Br	Pln	102516
3	$\frac{3}{64}$	$\frac{11}{32}$	60	Br	Pln	▼102517
4	$\frac{3}{64}$	$\frac{7}{16}$	.....	Br	Pln	▼104944
5	$\frac{3}{64}$	$\frac{9}{16}$	60	Br	Pln	▼104946
6	$\frac{3}{64}$	$\frac{5}{8}$	.....	Br	Pln	104947
7	$\frac{3}{16}$	$\frac{13}{32}$	.....	Br	Pln	112483

GROUP 217 RIVET—TUBULAR, FLAT HEAD, DRILLED



1	$\frac{3}{64}$	$\frac{3}{8}$	.....	S	BE	121660
2	$\frac{3}{64}$	$\frac{3}{8}$	.....	Br	BE	145601
3	$\frac{3}{64}$	$\frac{3}{8}$	.....	Br	NP	▼119004
4	$\frac{3}{64}$	$\frac{7}{16}$	.....	S	BE	142382
5	$\frac{3}{64}$	$\frac{5}{8}$	.....	S	BE	140079
6	$\frac{3}{16}$	$\frac{1}{4}$	.....	S	Pln	113736
7	$\frac{3}{16}$	$\frac{1}{4}$	.....	Br	NP	121863
8	$\frac{3}{16}$	$\frac{1}{2}$	.....	S	BE	117718
9	$\frac{3}{16}$	$\frac{1}{2}$	.....	Br	NP	118787

GROUP 218 RIVET—TUBULAR, FLAT HEAD COUNTERSUNK, DRILLED

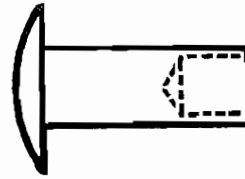


1	$\frac{1}{8}$	$\frac{5}{16}$	60	Br	Pln	▼136469
2	$\frac{1}{8}$	$\frac{1}{2}$	.....	Br	Pln	136484
3	$\frac{1}{8}$	$\frac{11}{16}$	.....	S	Pln	107342
4	$\frac{3}{64}$	$\frac{9}{32}$	25	Iron	Pln	▼136349

GROUP 218 RIVET—Tubular, Flat Head Countersunk, Drilled (Cont'd)

ITEM NO.	DIA.	DIMENSIONS L.	U. P.	MAT.	FIN.	PART NO.
5	$\frac{3}{64}$	$\frac{9}{32}$	100	Br	Pln	▼121573
6	$\frac{3}{64}$	$\frac{5}{16}$	25	W.I.	Pln	▼136352
7	$\frac{3}{64}$	$\frac{1}{2}$	25	W.I.	Pln	▼113306
8	$\frac{3}{64}$	$\frac{1}{2}$	25	Br	Pln	▼136508
9	$\frac{3}{64}$	$\frac{1}{2}$	50	Br	Pln	▼136534
10	$\frac{3}{64}$	$\frac{9}{16}$	.....	W.I.	BE	104314
11	$\frac{3}{64}$	$\frac{5}{8}$	.....	S	BE	136228
12	$\frac{3}{16}$	$\frac{1}{2}$	40	Br	Pln	▼120902
13	$\frac{3}{16}$	$\frac{17}{32}$	25	Br	Pln	▼136557
14	$\frac{3}{16}$	$\frac{21}{32}$	.....	Br	Pln	119955

GROUP 219 RIVET—TUBULAR, OVAL HEAD, DRILLED



1	$\frac{5}{64}$	$\frac{1}{8}$	50	Br	Pln	▼135954
2	$\frac{3}{64}$	$\frac{7}{32}$	.....	Br	NP	135989
3	$\frac{3}{32}$	$\frac{3}{16}$	60	S	Cad	▼131284
4	$\frac{3}{32}$	$\frac{3}{8}$	.....	Br	Pln	136023
5	$\frac{1}{8}$	$\frac{5}{32}$	40	Br	Pln	▼109954
6	$\frac{1}{8}$	$\frac{3}{16}$	40	S	Pln	▼111872
7	$\frac{1}{8}$	$\frac{7}{32}$	40	Br	Pln	▼136028
8	$\frac{1}{8}$	$\frac{1}{4}$	40	S	BE	▼118514
9	$\frac{1}{8}$	$\frac{11}{32}$	.....	Br	BE	136037
10	$\frac{1}{8}$	$\frac{7}{16}$	.....	Br	NP	135501
11	$\frac{1}{8}$	$\frac{9}{16}$	50	S	Pln	▼135761
12	$\frac{3}{64}$	$\frac{1}{4}$	.....	S	Cad	116392
13	$\frac{3}{64}$	$\frac{1}{4}$	100	S	NP	▼118140
14	$\frac{3}{64}$	$\frac{5}{16}$	40	Br	NP	▼120743
15	$\frac{3}{64}$	$\frac{3}{8}$	.....	S	Tin	136305
16	$\frac{3}{64}$	$\frac{3}{8}$	.....	W.I.	BE	111857
17	$\frac{3}{64}$	$\frac{15}{32}$	.....	S	NP	135770
18	$\frac{3}{64}$	$\frac{13}{32}$	.....	S	BE	118135
19	$\frac{3}{64}$	$\frac{1}{2}$	.....	S	Chr	125858
20	$\frac{3}{64}$	$\frac{1}{2}$	30	S	NP	▼136083
21	$\frac{3}{64}$	$\frac{1}{2}$	.....	S	BE	135785
22	$\frac{3}{64}$	$\frac{1}{2}$	30	Br	Pln	▼109968
23	$\frac{3}{64}$	$\frac{5}{8}$	.....	S	BE	135796
24	$\frac{3}{16}$	$\frac{1}{4}$	.....	W.I.	BE	113363
25	$\frac{3}{16}$	$\frac{1}{4}$	50	S	Cad	▼121646
26	$\frac{3}{16}$	$\frac{5}{16}$	32	Br	BE	▼136135
27	$\frac{3}{16}$	$\frac{3}{8}$	.....	W.I.	BE	113365
28	$\frac{3}{16}$	$\frac{7}{16}$	32	S	BE	▼114860
29	$\frac{3}{16}$	$\frac{1}{2}$	.....	S	Cad	137871
30	$\frac{3}{16}$	$\frac{1}{2}$	.....	Br	NP	136149
31	$\frac{3}{16}$	$\frac{9}{16}$	.....	S	Cad	119364
32	$\frac{3}{16}$	$\frac{5}{8}$	.....	S	Pln	113358
33	$\frac{3}{16}$	$\frac{11}{16}$	25	S	Pln	▼121650
34	$\frac{3}{16}$	$\frac{3}{4}$	.....	S	BE	135821
35	$\frac{3}{16}$	$1\frac{1}{8}$	.....	S	BE	141528
36	$\frac{3}{16}$	$2\frac{1}{16}$	12	S	Cad	▼136570

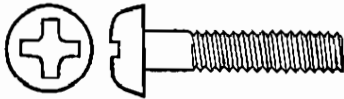
▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

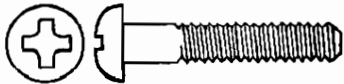


GROUP 220 SCREW—BINDING HEAD, CROSS RECESS



ITEM NO.	DIA.	DIMENSIONS THD.	L.	U. P.	MAT.	FIN.	PART NO.
1	No. 6	32 NC	1/4	40	S	Cad	▼159229
2	1/4	20 NC	3/4	20	S	Cad	▼160541

GROUP 221 SCREW—BINDING HEAD, CROSS RECESS, HEADER POINT



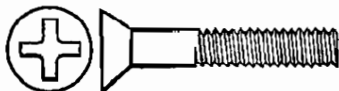
1	No. 8	32 NC	1	8	S	Pln	▼188764
2	5/16	18 NC	3/4	15	S	Cad	▼174988
3	5/16	18 NC	2 1/4	5	S	Chr	▼189791
4	5/16	18 NC	2 5/8	5	S	Chr	▼188927

GROUP 222 SCREW—FILLISTER HEAD CROSS RECESS



1	No. 6	32 NF	1/16	30	S	Cad	▼153011
2	No. 10	24 NC	1/16	12	S	NP	▼153241
3	No. 10	32 NF	1/2	25	S	Cad	▼153421
4	No. 10	32 NF	1	12	S	Cad	▼153448
5	No. 10	32 NF	1 1/2	12	S	Cad	▼153479
6	1/4	20 NC	1/2	12	S	Cad	▼153771
7	1/4	20 NC	1	12	S	Cad	▼153797
8	5/16	18 NC	3/4	8	S	NP	▼153966
9	5/16	18 NC	3/8	6	S	Chr	▼153981
10	5/16	18 NC	1 1/4	6	S	NP	▼154002

GROUP 223 SCREW—FLAT HEAD, CROSS RECESS



1	No. 4	40 NC	1/4	40	S	Cad	▼155815
2	No. 4	40 NC	1/4	15	S	Chr	▼155816
3	No. 4	40 NC	5/16	40	S	Cad	▼155820
4	No. 4	40 NC	5/16	20	S	Chr	▼155821
5	No. 4	40 NC	3/8	40	S	Pln	▼188333
6	No. 6	32 NC	1/4	30	S	Cad	▼155830
7	No. 6	32 NC	5/16	30	S	Cad	▼155835
8	No. 6	32 NC	3/8	25	Br	Pln	▼157884
9	No. 6	32 NC	3/4	25	S	Cad	▼155857
10	No. 8	32 NC	5/16	15	S	NP	▼155864
11	No. 8	32 NC	5/16	15	S	Chr	▼155873
12	No. 8	32 NC	1/2	25	S	Cad	▼155886
13	No. 10	24 NC	1/16	12	S	Chr	▼155934
14	No. 10	24 NC	1	25	S	Cad	▼155954
15	No. 10	32 NF	3/8	25	S	Pkd	▼156002
16	No. 10	32 NF	1/2	25	S	Cad	▼156009
17	No. 10	32 NF	1	25	S	Cad	▼156038

GROUP 223 SCREW—Flat Head, Cross Recess (Cont'd)

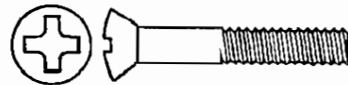
ITEM NO.	DIA.	DIMENSIONS THD.	L.	U. P.	MAT.	FIN.	PART NO.
18	No. 12	24 NC	1/2	20	S	Cad	▼156094
19	No. 12	24 NC	3/4	15	Br	Pln	▼158261
20	No. 12	24 NC	1	12	S	NP	▼156132
21	No. 12	24 NC	1 1/2	8	S	Chr	▼156146
22	1/4	20 NC	5/8	12	S	Chr	▼156250
23	5/16	18 NC	1	12	S	Cad	▼156466
24	5/16	24 NF	1	12	S	Pkd	▼178837
25	5/16	14 NC	2 1/2	8	S	Pkd	▼178838
26	5/8	16 NC	1	8	S	Cad	▼156549
27	5/8	16 NC	3	5	S	Pln	▼155347

GROUP 224 SCREW—FLAT HEAD, CROSS RECESS, HEADER POINT



1	No. 6	32 NC	7/8	25	S	Pln	▼192731
2	No. 6	32 NC	7/8	12	S	Chr	▼187453

GROUP 225 SCREW—OVAL HEAD CROSS RECESS



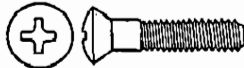
1	No. 6	32 NC	5/16	40	S	Cad	▼156641
2	No. 6	32 NC	5/16	18	S	Chr	▼156642
3	No. 6	32 NC	3/8	30	S	Cad	▼156646
4	No. 6	32 NC	7/16	15	S	NP	▼156658
5	No. 6	32 NC	1/2	12	S	Chr	▼156655
6	No. 8	32 NC	1/4	15	S	Chr	▼156746
7	No. 8	32 NC	3/8	12	S	Chr	▼148101
8	No. 8	32 NC	1/2	12	S	Chr	▼156771
9	No. 8	32 NC	5/8	.....	S	Chr	▼147762
10	No. 8	32 NC	3/4	15	S	NP	▼156781
11	No. 8	32 NC	1 1/2	15	S	Chr	▼156831
12	No. 10	24 NC	3/8	15	S	NP	▼156953
13	No. 10	24 NC	7/16	12	S	Chr	▼156960
14	No. 10	24 NC	1/2	25	S	Cad	▼156963
15	No. 10	24 NC	5/8	25	S	Cad	▼156966
16	No. 10	24 NC	3/4	12	S	Chr	▼148109
17	No. 10	24 NC	7/8	25	S	Cad	▼156972
18	No. 10	24 NC	7/8	12	S	Chr	▼147872
19	No. 10	24 NC	1 1/8	12	S	NP	▼187175
20	No. 10	32 NF	7/16	15	S	Chr	▼157062
21	No. 10	32	1/2	25	S	Cad	▼157070
22	No. 10	32 NF	5/8	8	S	Pln	▼188026
23	No. 10	32 NF	3/4	12	S	Chr	▼147721
24	No. 12	24 NC	1/2	25	S	Cad	▼157277
25	No. 12	24 NC	5/8	20	S	Cad	▼157285
26	No. 12	24 NC	3/4	20	S	Cad	▼157296
27	No. 12	24 NC	3/4	15	S	Chr	▼157297
28	No. 12	24 NC	1	20	S	Cad	▼157321
29	No. 12	24 NC	1	12	S	Chr	▼157322
30	No. 12	24 NC	1 1/4	8	Br	Chr	▼158752
31	1/4	20 NC	1/2	22	S	Cad	▼157391
32	1/4	20 NC	1/2	12	S	NP	▼157395



GROUP 225 SCREW—Oval Head, Cross Recess (Cont'd)

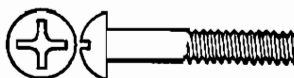
ITEM NO.	DIA.	DIMENSIONS THD.	L.	U. P.	MAT.	FIN.	PART NO.
33	1/4	20 NC	5/8	18	S	Pkd	▼157399
34	1/4	20 NC	3/4	12	S	Chr	▼157402
35	1/4	20 NC	7/8	12	S	Chr	▼148035
36	1/4	20 NC	1	20	S	Cad	▼157444
37	1/4	28 NF	7/8	12	S	Chr	▼187981
38	5/16	18 NC	5/8	8	S	NP	▼157521
39	5/16	18 NC	1 3/4	8	S	Cad	▼157571

GROUP 226 SCREW—OVAL HEAD, CROSS RECESS, HEADER POINT



1	No. 6	32 NC	5/8	15	S	Pln	▼187743
2	No. 8	32 NC	3/8	12	S	Pln	▼189430
3	No. 8	32 NC	7/16	10	S	Pln	▼179269
4	No. 8	32 NC	1/2	25	S	NP	▼186528
5	No. 8	32 NC	3/4	12	S	Pln	▼186575
6	No. 8	32 NC	1 3/8	8	S	Pln	▼186547
7	No. 8	32 NC	1 1/2	12	S	NP	▼187738
8	No. 10	24 NC	1	8	S	Pln	▼187528
9	No. 10	32 NF	2 3/4	5	S	Pln	▼179361
10	No. 12	24 NC	3/4	5	S	NP	▼189124
11	No. 12	24 NC	7/8	6	S	Pln	▼186464
12	No. 12	24 NC	1 1/8	8	S	Chr	▼188109
13	No. 12	24 NC	1 1/4	15	S	NP	▼188320
14	1/4	20 NC	7/8	18	S	Cad	▼179357
15	1/4	20 NC	1	.....	S	Pln	▼186810
16	1/4	20 NC	1 1/8	.....	S	NP	▼187065
17	1/4	20 NC	1 1/4	5	S	Pln	▼186586
18	1/4	20 NC	1 1/2	5	S	Pln	▼186589
19	1/4	20 NC	1 3/8	8	S	Chr	▼188373
20	1/4	28 NF	1 1/4	16	S	Cad	▼186471
21	5/16	18 NC	1 3/8	12	S	Cad	▼174987

GROUP 227 SCREW—ROUND HEAD, CROSS RECESS

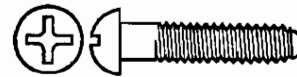


1	No. 4	40 NC	1/4	40	S	Cad	▼154921
2	No. 4	40 NC	5/16	40	S	Cad	▼154926
3	No. 4	40 NC	3/16	40	S	Pkd	▼154929
4	No. 6	32 NC	1/4	30	S	Cad	▼154959
5	No. 6	32 NC	1/2	35	S	Cad	▼154987
6	No. 8	32 NC	5/16	35	S	Cad	▼155028
7	No. 8	32 NC	1/2	30	S	Cad	▼155043
8	No. 8	32 NC	1	25	S	Cad	▼155063
9	No. 8	32 NC	1 1/4	15	S	NP	▼186992
10	No. 10	24 NC	1/4	25	S	Cad	▼155093
11	No. 10	24 NC	1/2	15	S	Chr	▼147899
12	No. 10	24 NC	5/16	25	S	Cad	▼155098
13	No. 10	24 NC	1/2	25	S	Cad	▼155113
14	No. 10	24 NC	1/2	10	Br	Chr	▼155624
15	No. 10	24 NC	1 1/2	10	Br	Chr	▼155642
16	No. 10	32 NC	5/16	25	S	Cad	▼155178

GROUP 227 SCREW—Round Head, Cross Recess (Cont'd)

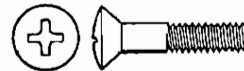
ITEM NO.	DIA.	DIMENSIONS THD.	L.	U. P.	MAT.	FIN.	PART NO.
17	No. 10	32 NF	3/8	12	S	NP	▼155185
18	No. 10	32 NF	1/2	25	S	Cad	▼155193
19	No. 10	32 NF	1/2	15	S	Chr	▼155194
20	No. 10	32 NF	3/4	12	S	Chr	▼155204
21	No. 10	32 NC	1	25	S	Cad	▼155218
22	No. 10	32 NC	1	15	S	Chr	▼155214
23	No. 12	24 NC	3/8	25	S	Cad	▼155258
24	No. 12	24 NC	3/4	20	S	Cad	▼155278
25	No. 12	24 NC	1	25	S	Cad	▼155288
26	1/4	20 NC	3/4	40	S	Cad	▼155348
27	1/4	20 NC	1	.....	S	Chr	▼147766
28	1/4	20 NC	1 1/2	15	S	Cad	▼155368
29	1/4	20 NC	1 3/4	12	S	Pkd	▼155376
30	1/4	28 NF	1	15	S	Pln	▼145596
31	5/16	18 NC	1 1/2	6	S	NP	▼155435
32	5/16	18 NC	1 3/4	8	S	Cad	▼155438
33	5/16	18 NC	1 3/4	8	S	Pkd	▼155441
34	5/16	18 NC	2	.....	S	Cad	▼155443

GROUP 228 SCREW—ROUND HEAD, CROSS RECESS, HEADER POINT



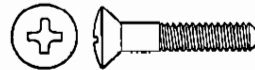
1	No. 8	32 NC	1/2	12	S	Pln	▼186532
2	No. 10	32	1/2	25	S	Cad	▼174913

GROUP 229 SCREW—TRIM, OVAL HEAD, CROSS RECESS



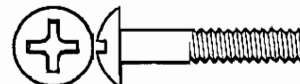
1	No. 10	24	1 3/8	5	S	Pln	▼187333
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GROUP 230 SCREW—TRIM, OVAL HEAD, CROSS RECESS, HEADER POINT



1	No. 8	32 NC	3/4	8	S	Pln	▼188757
2	No. 10	24 NC	1/2	8	S	Pln	▼187836
3	No. 10	24 NC	3/4	8	S	Pln	▼187709
4	No. 10	24 NC	1	8	S	Pln	▼187734
5	No. 10	32 NF	3/8	10	S	Pln	▼186487

GROUP 231 SCREW—TRUSS HEAD, CROSS RECESS



1	No. 8	32 NF	1/2	12	S	Chr	▼189106
2	No. 12	24 NC	1/2	12	S	Chr	▼178703

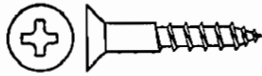
▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

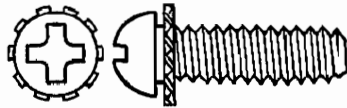


GROUP 232 SCREW—WOOD, FLAT HEAD, CROSS RECESS



ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	No. 12	11	1 1/4	12	S	Pkd	149059

GROUP 233 SCREW W/LOCKWASHER ASSEMBLY—ROUND HEAD, CROSS RECESS, HEADER POINT, EXTERNAL TEETH



1	No. 12	24 NC	1	S	Cad	187804
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GROUP 234 SCREW—TAPPING, BINDING HEAD, CROSS RECESS (TYPE A)



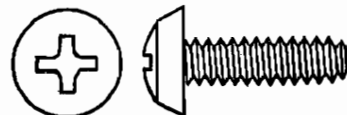
1	No. 4	24	3/8	25	S	Cad	▼161755
2	No. 4	24	3/8	12	S	Chr	▼161756
3	No. 4	24	5/8	.....	S	Cad	▼161764
4	No. 5	20	1/2	25	S	Cad	▼161779
5	No. 6	18	1/2	.....	S	Chr	▼161800
6	No. 8	15	3/8	12	S	Chr	▼161859
7	No. 8	15	1	.....	S	Cad	▼161878
8	No. 8	15	1 1/4	15	S	Cad	▼187045
9	No. 8	15	2 1/2	12	S	Cad	▼187047
10	No. 10	12	1/2	20	S	Cad	▼161895
11	No. 10	12	1	.....	S	Cad	▼161909
12	No. 10	12	1 1/2	15	S	Cad	▼161933
13	No. 12	11	3/4	.....	S	Cad	▼162009
14	No. 14	10	5/8	15	S	Cad	▼162074

GROUP 235 SCREW—TAPPING, BINDING HEAD, CROSS RECESS (TYPE B)



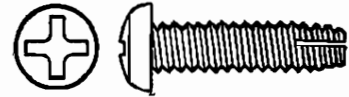
1	No. 6	20	1/4	12	S	Chr	▼163096
2	No. 8	18	3/8	25	S	Cad	▼163158
3	No. 8	18	7/8	20	S	Cad	▼163187
4	No. 10	16	1	20	S	Cad	▼163234

GROUP 236 SCREW—TAPPING, BINDING HEAD, CROSS RECESS (TYPE C)



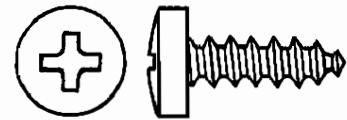
1	No. 10	24	1/2	25	S	Cad	▼164414
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GROUP 237 SCREW—TAPPING, BINDING HEAD, CROSS RECESS (TYPE D)



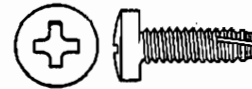
ITEM NO.	DIMENSIONS			U. P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	1/4	20 NC	1/2	.....	S	Cad	▼167257

GROUP 238 SCREW—TAPPING, FILLISTER HEAD, CROSS RECESS (TYPE A)



1	No. 12	11	1	15	S	Pkd	▼187805
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GROUP 239 SCREW—TAPPING, FILLISTER HEAD, CROSS RECESS (TYPE D)



1	No. 10	32	3/8	25	S	Cad	▼167938
2	No. 10	32	5/8	18	S	Cad	▼167947

GROUP 240 SCREW—TAPPING, FLAT HEAD, CROSS RECESS (TYPE A)



1	No. 2	32	3/8	.....	S	Cad	▼187108
2	No. 4	24	1/2	30	S	Pln	▼148534
3	No. 6	18	1/2	25	S	Cad	▼161373
4	No. 6	18	5/8	25	S	Cad	▼161375
5	No. 8	15	3/4	24	S	Cad	▼161422
6	No. 8	15	1	15	S	Cad	▼161430
7	No. 10	12	5/8	18	S	Pkd	▼179045
8	No. 10	12	1 1/4	15	S	Cad	▼161452

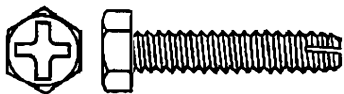
GROUP 241 SCREW—TAPPING, FLAT HEAD, CROSS RECESS (TYPE B)



1	No. 4	24	1/4	12	S	Chr	▼162560
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GROUP 242 SCREW—TAPPING, HEXAGON HEAD, CROSS RECESS (TYPE D)



ITEM NO.	DIA.	THD.	L.	U.P.	MAT.	FIN.	PART NO.
1	No. 14	14	3/4	.....	S	Cad	▼163666
2	1/4	20	1	.....	S	Cad	▼168322

GROUP 243 SCREW—TAPPING, OVAL HEAD, CROSS RECESS (TYPE A)



1	No. 4	24	1/2	12	S	NP	▼188160
2	No. 4	24	3/4	25	S	Cad	▼162135
3	No. 4	24	3/4	15	S	Chr	▼162141
4	No. 4	24	1	12	S	NP	▼179390
5	No. 4	24	1	15	S	Chr	▼162147
6	No. 4	24	1	8	S	Pln	▼188336
7	No. 5	20	1/4	15	S	Chr	▼162152
8	No. 6	18	3/8	30	S	Cad	▼162233
9	No. 6	18	1/2	12	S	Chr	▼162289
10	No. 6	18	3/8	12	S	Chr	▼162293
11	No. 6	18	1	12	S	Chr	▼162312
12	No. 8	15	3/8	18	S	NP	▼188332
13	No. 8	15	3/8	12	S	Chr	▼162395
14	No. 8	15	1/2	12	S	Chr	▼148545
15	No. 8	15	3/4	12	S	Chr	▼162402
16	No. 8	15	1	15	S	Cad	▼162407
17	No. 8	15	1 1/8	5	S	Pln	▼187618
18	No. 8	15	2	12	S	Cad	▼162423
19	No. 10	12	1/2	20	S	Cad	▼162453
20	No. 10	12	1/2	8	S	Chr	▼162454
21	No. 10	12	3/4	18	S	Cad	▼162462
22	No. 10	12	3/4	10	S	Chr	▼162474
23	No. 10	12	1	8	S	NP	▼187049
24	No. 10	12	1 1/4	8	S	Chr	▼162485
25	No. 12	11	1	8	S	Chr	▼162510
26	No. 14	10	1 1/2	6	S	Chr	▼162547

GROUP 244 SCREW—TAPPING, OVAL HEAD, CROSS RECESS (TYPE B)



1	No. 8	18	3/8	12	S	NP	▼187578
2	No. 10	16	3/4	20	S	Cad	▼163473
3	No. 10	16	3/4	8	S	Chr	▼163474
4	No. 12	14	3/4	15	S	Cad	▼163504
5	No. 12	14	1	8	S	Chr	▼163511

GROUP 245 SCREW—TAPPING, ROUND HEAD, CROSS RECESS (TYPE A)



ITEM NO.	DIA.	THD.	L.	U.P.	MAT.	FIN.	PART NO.
1	No. 6	18	3/8	25	S	Cad	▼161589
2	No. 6	18	1/2	12	S	Chr	▼161592
3	No. 6	18	3/8	25	S	Cad	▼161594
4	No. 8	15	3/8	25	S	Cad	▼161627
5	No. 8	15	3/4	22	S	Cad	▼161633

GROUP 246 SCREW—TAPPING, ROUND HEAD, CROSS RECESS (TYPE B)



1	No. 6	20	1/4	.....	S	Cad	▼162816
2	No. 6	20	1/2	12	S	Chr	▼162826
3	No. 8	15	1/4	12	S	NP	▼186959
4	No. 8	15	3/8	12	S	Chr	▼162873
5	No. 8	18	3/4	20	S	Cad	▼162883
6	No. 10	16	3/8	25	S	Cad	▼162900
7	No. 14	14	1/2	15	S	Cad	▼162990

GROUP 247 SCREW—TAPPING, ROUND HEAD, CROSS RECESS (TYPE C)



1	No. 8	32	1/2	25	S	Cad	▼164023]
2	No. 8	32	3/4	20	S	Cad	▼164029
3	No. 10	32	3/8	25	S	Cad	▼164076

GROUP 248 SCREW—TAPPING, ROUND HEAD, CROSS RECESS (TYPE D)



1	No. 6	32	1/4	25	S	Cad	▼166571
2	No. 6	32	5/16	25	S	Cad	▼166574
3	No. 6	32	3/8	25	S	Cad	▼166577
4	No. 12	24	1/2	15	S	Cad	▼166754

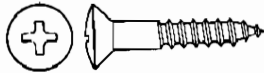
▼ indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

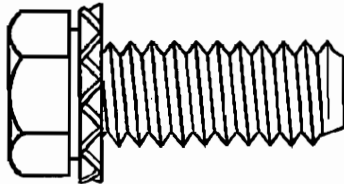


GROUP 249 SCREW—TAPPING, TRIM, OVAL HEAD, CROSS RECESS (TYPE A)



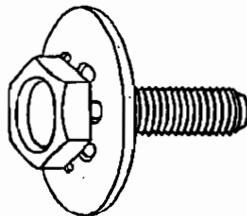
ITEM NO.	DIMENSIONS		L.	U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.					
1	No. 8	15	1/2	6	S	Pln	▼188973
2	No. 10	12	3/8	12	S	Chr	▼168581
3	No. 10	12	3/4	5	S	Pln	▼188954
4	No. 10	12	1	5	S	Pln	▼187876
5	No. 10	12	1 1/4	5	S	Pln	▼188455

GROUP 250 SCREW W/LOCKWASHER ASSEMBLY—HEXAGON HEAD, HEADER POINT, EXTERNAL TEETH



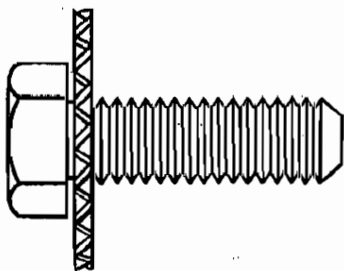
1	1/4	20 ₀ NF	5/8	S	Cad	178780
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GROUP 251 SCREW W/LOCKWASHER ASSEMBLY—HEXAGON HEAD, HEADER POINT, INTERNAL TEETH



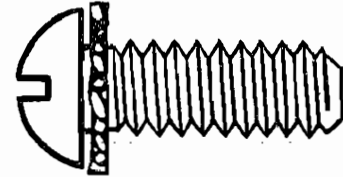
1	1/4	20	3/4	.....	S	Cad	150646
2	5/16	18 NC	1/2	5	S	Cad	▼190558

GROUP 252 SCREW W/LOCKWASHER ASSEMBLY—HEXAGON HEAD, HEADER POINT, INTERNAL AND EXTERNAL TEETH



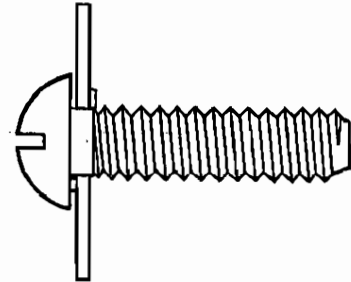
1	5/16	18 NC	5/8	S	Cad	▼190908
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GROUP 253 SCREW W/LOCKWASHER ASSEMBLY—ROUND HEAD HEADER POINT, EXTERNAL TEETH



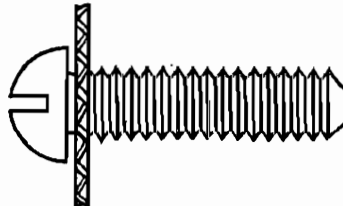
ITEM NO.	DIMENSIONS		L.	U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.					
1	1/4	20 NC	3/8	.....	S	Cad	178973
2	1/4	28 NF	1/8	8	S	Cad	▼190405

GROUP 254 SCREW W/LOCKWASHER ASSEMBLY—ROUND HEAD, HEADER POINT, INTERNAL TEETH



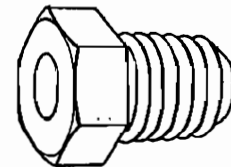
1	No. 10	24 NC	7/8	.....	S	Cad	190743
2	1/4	20 NC	1	.....	S	Cad	190821

GROUP 255 SCREW W/LOCKWASHER ASSEMBLY—ROUND HEAD, SLOTTED, HEADER POINT, INTERNAL AND EXTERNAL TEETH



1	No. 10	32 NF	1/2	8	S	Cad	▼190810
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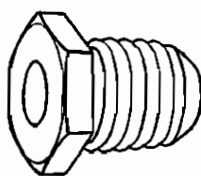
GROUP 256 SCREW—COMPRESSION, LARGE HEXAGON WIDTH



ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	THD.				
1	5/16	1/2-20	.....	Br	Pln	152119
2	3/8	9/16-20	.....	Br	Pln	114887
3	1/2	1 1/8-16	.....	Br	Pln	120243

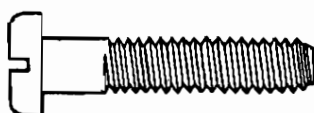


GROUP 257 SCREW—COMPRESSION, SMALL HEXAGON WIDTH



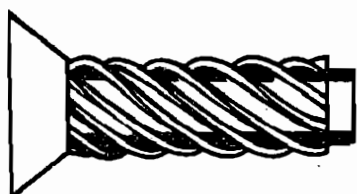
ITEM NO.	DIMENSIONS		U.P.	MAT.	FIN.	PART NO.
	TUBE DIA.	THD.				
1	3/16	3/8-24	.....	Br	Pln	114962
2	1/4	7/16-24	.....	Br	Pln	114963
3	3/8	9/16-20	.....	Br	Pln	114965

GROUP 258 SCREW—BINDING HEAD, SLOTTED, HEADER POINT



ITEM NO.	DIMENSIONS		L.	U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.					
1	No. 8	32 NC	3/8	50	S	Cad	▼188031
2	1/4	20 NC	1/2	12	S	Cad	▼190565

GROUP 259 SCREW—DRIVE, FLAT HEAD



1	No. 6	7	7/16	S	Br	141517
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GROUP 260 SCREW—DRIVE, ROUND HEAD



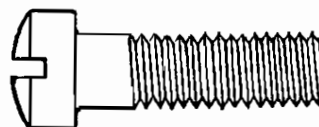
1	No. 2	7	3/16	25	S	Br	▼178813
2	No. 2	7	1/4	S	Cad	▼145371
3	No. 2	7	1/4	25	S	NP	▼140276
4	No. 2	7	1/4	25	S	Br	▼121279
5	No. 2	7	3/8	.....	S	Pln	111342
6	No. 4	7	5/16	.....	S	Chr	125976
7	No. 4	7	3/8	.....	S	Cad	138117
8	No. 6	7	1/4	25	S	Br	▼137255
9	No. 6	7	3/8	.....	S	Cad	107837
10	No. 6	7	3/8	.....	S	NP	142403
11	No. 7	8	1/2	12	S	Pln	▼142184
12	No. 7	8	1/2	.....	S	Cad	145384
13	No. 14	9	1/2	.....	S	Pkd	141445

GROUP 261 SCREW—DRIVE WOOD, FLAT HEAD



ITEM NO.	DIMENSIONS		L.	U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.					
1	No. 6		3/4	.....	S	NP	112318
2	No. 8		5/8	.....	S	Cad	112166

GROUP 262 SCREW—FILLISTER HEAD, SLOTTED



ITEM NO.	DIMENSIONS		L.	U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.					
1	No. 6	32 NC	3/8	60	S	Cad	131899
2	No. 6	32	3/8	.....	S	NP	119010
3	No. 6	32 NC	1 1/4	.....	S	Chr	131925
4	No. 8	32 NC	3/16	.....	S	Pkd	131952
5	No. 8	32 NC	5/16	40	S	Cad	▼131958
6	No. 8	32 NC	5/16	.....	Br	NP	113881
7	No. 8	32 NC	3/8	.....	S	Pkd	▼117820
8	No. 8	32 NC	3/8	40	S	Cad	▼131974
9	No. 8	32 NC	3/4	.....	S	NP	115695
10	No. 8	32 NC	3/4	.....	S	Pkd	131931
11	No. 10	24 NC	3/8	30	S	Cad	▼132033
12	No. 10	24 NC	5/8	.....	Br	Pln	110571
13	No. 10	24 NC	3/4	25	S	Cad	▼132051
14	No. 10	24 NC	7/8	25	S	Cad	▼132056
15	No. 10	24 NC	7/8	20	S	Chr	▼132057
16	No. 10	24 NC	1 1/4	25	S	Cad	▼132066
17	No. 10	24 NC	1 1/2	.....	S	Cad	120215
18	No. 10	24 NC	1 3/4	.....	S	Cad	132075
19	No. 10	32 NF	1/4	.....	S	Cad	132096
20	No. 10	32 NF	3/8	30	S	Cad	▼132105
21	No. 10	32 NF	7/16	.....	S	Cad	132110
22	No. 10	32 NF	5/8	.....	S	Cad	132119
23	No. 10	32 NF	5/8	.....	S	NP	132121
24	No. 10	32 NF	7/8	30	S	Cad	▼132128
25	No. 10	32 NF	1	30	S	Cad	▼132133
26	No. 10	32 NF	1 1/4	30	S	Cad	▼132138
27	No. 10	32 NF	1 1/2	12	S	Pkd	▼132146
28	No. 12	24	1/2	.....	S	NP	115691
29	No. 12	24 NC	5/8	30	S	Cad	▼132193
30	No. 12	24 NC	3/4	25	S	Cad	▼132198
31	No. 12	24 NC	1	25	S	Cad	▼132208
32	1/4	20 NC	7/16	20	S	Cad	▼132251
33	1/4	20 NC	1/2	12	S	Chr	▼132256
34	1/4	20 NC	5/8	25	S	Cad	▼132259
35	1/4	20 NC	5/8	.....	S	Pkd	132262
36	1/4	20 NC	5/8	.....	Br	Pln	114367
37	1/4	20 NC	7/8	25	S	Cad	▼132268
38	1/4	20 NC	1 1/4	.....	S	Pkd	132280
39	1/4	20 NC	1 3/8	12	S	Cad	▼106692
40	1/4	20 NC	2	15	S	Cad	▼121328
41	1/4	20 NC	2 1/2	12	S	Cad	▼132300
42	1/4	20 NC	2 3/4	.....	S	Cad	132305
43	1/4	20 NC	3 1/2	.....	S	Pkd	140726

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



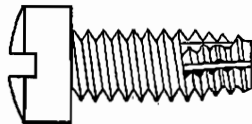
GROUP 262 SCREW—Fillister Head, Slotted (Cont'd)

ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
44	1/4	28 NF	1/4	.....	S	Cad	149555
45	1/4	28 NF	5/8	30	S	Pkd	▼187048
46	1/4	28 NF	7/8	25	S	Pkd	▼188077
47	1/4	28 NF	1 1/4	.....	S	Pkd	190754
48	5/16	18 NC	3/4	15	S	Cad	▼182825
49	5/16	18 NC	1	15	S	Cad	▼182335
50	5/16	18 NC	2	.....	S	NP	182357
51	5/16	18 NC	2 1/2	.....	S	Cad	182365
52	5/16	18 NC	3	.....	S	Cad	182375
53	5/16	18 NC	4 1/4	.....	S	NP	125863
54	5/16	24 NF	5/8	20	S	Cad	▼149515
55	5/16	24 NF	1 1/4	.....	S	Pln	177970
56	3/8	16 NC	5/8	12	S	Cad	▼182385
57	3/8	16 NC	7/8	12	S	Pkd	▼182398
58	3/8	16 NC	1 1/2	.....	S	Pkd	182413

GROUP 265 SCREW—Flat Head, Slotted (Cont'd)

ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
7	No. 6	32 NC	7/16	.....	S	Chr	133428
8	No. 6	32 NC	1/2	40	S	Cad	▼133432
9	No. 6	32 NC	1/2	.....	S	Chr	133433
10	No. 6	32 NC	3/4	50	S	Cad	▼133440
11	No. 6	32 NC	7/8	15	S	Chr	▼133445
12	No. 6	32 NC	1 1/4	12	S	Chr	▼133453
13	No. 8	32 NC	5/16	.....	S	NP	173288
14	No. 8	32 NC	3/8	40	S	Cad	▼133482
15	No. 8	32 NC	3/4	.....	S	Cad	▼133499
16	No. 8	32 NC	2	.....	S	Cad	133523
17	No. 8	32 NC	2 3/4	.....	S	Cad	133537
18	No. 8	32 NC	3	.....	S	Cad	133542
19	No. 10	24 NC	1/2	30	S	Cad	▼123854
20	No. 10	24 NC	1 3/8	.....	S	Cad	119489
21	No. 10	24 NC	1 1/4	25	S	Cad	▼120691
22	No. 10	24 NC	2	12	S	Cad	▼133591
23	No. 10	24 NC	2	.....	Br	NP	120267
24	No. 10	24 NC	2 1/4	.....	S	Cad	133595
25	No. 10	24 NC	2 3/4	.....	S	Cad	133605
26	No. 10	32 NF	1/4	.....	S	Pkd	133617
27	No. 10	32 NF	5/16	.....	S	Chr	133620
28	No. 10	32 NF	1/2	.....	S	Cad	▼133634
29	No. 10	32 NF	5/8	.....	Br	Pln	101181
30	No. 10	32 NF	11/16	.....	S	Pln	110682
31	No. 10	32 NF	1	30	S	Cad	▼133645
32	No. 10	32 NF	1 3/8	.....	S	Pln	100875
33	No. 10	32 NF	1 1/2	.....	S	Cad	133652
34	No. 10	32 NF	2 1/4	.....	S	Cad	133664
35	No. 10	32 NF	2 3/8	.....	S	Pln	134511
36	No. 12	24 NC	1/2	30	S	Cad	▼133698
37	No. 12	24 NC	1/2	.....	Br	Pln	101193
38	No. 12	24 NC	7/8	30	S	Cad	▼133708
39	No. 12	24 NC	2 1/4	.....	S	Pln	117853
40	No. 12	24 NC	2 1/4	.....	S	Chr	133733
41	No. 12	24 NC	2 1/2	.....	S	Cad	133737
42	No. 12	24 NC	2 3/4	.....	S	NP	133744
43	1/4	20 NC	1/2	.....	S	Chr	133768
44	1/4	20 NC	5/8	20	S	Cad	▼120585
45	1/4	20 NC	3/4	.....	Br	Chr	116482
46	1/4	20 NC	7/8	.....	S	Cad	120629
47	1/4	20 NC	1	.....	Br	Pln	114327
48	1/4	20 NC	1 1/8	.....	Br	NP	140114
49	1/4	20 NC	1 1/4	12	S	Cad	▼133781
50	1/4	20 NC	1 3/8	.....	S	Pln	113996
51	1/4	20 NC	1 1/2	.....	Br	NP	134072
52	1/4	20 NC	1 7/8	.....	S	Pln	121344
53	1/4	20 NC	2	12	S	Cad	▼133793
54	1/4	20 NC	2 1/8	.....	S	Pln	121345
55	1/4	20 NC	2 1/4	.....	S	Cad	133797
56	1/4	20 NC	2 5/8	.....	S	Pln	121428
57	1/4	20 NC	2 3/4	.....	S	Cad	133807
58	1/4	20 NC	3	.....	S	Cad	133812
59	1/4	20 NC	4	.....	S	Pkd	137548
60	5/16	18 NC	11/16	.....	S	Pln	113912
61	5/16	18 NC	1	12	S	Cad	▼133837
62	5/16	18 NC	1 1/8	.....	S	Pln	113915
63	5/16	18 NC	1 1/8	15	S	Cad	▼106693
64	5/16	18 NC	1 1/4	5	Br	Pln	▼114425
65	5/16	18 NC	1 3/4	.....	S	Cad	133851
66	5/16	18 NC	2	.....	S	Cad	133856

GROUP 263 SCREW—FILLISTER HEAD, MULTIPLE GROOVE POINTED



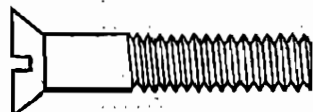
1	No. 10 24	1/2	8	S	Cad	▼178410
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GROUP 264 SCREW—FILLISTER HEAD, SLOTTED, HEADER POINT



1	No. 10 32 NF	3/4	25	S	Pln	▼173402
2	No. 10 32 NF	15/16	25	S	Pln	▼189660
3	No. 10 32 NF	1 1/2	25	S	Pln	▼188767

GROUP 265 SCREW—FLAT HEAD, SLOTTED



1	No. 4 40 NF	1/4	12	S	Chr	▼133365
2	No. 4 40 NF	5/16	60	S	Cad	▼133369
3	No. 4 40 NF	5/16	24	S	Chr	▼133370
4	No. 4 40 NF	3/8	40	S	Pln	▼117329
5	No. 4 40 NF	1/2	60	S	Cad	▼133384
6	No. 4 40 NF	7/8	40	S	Cad	▼133399



GROUP 265 SCREW—Flat Head, Slotted (Cont'd)

ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
DIA.	THD.	L.					
67	5/16	18 NC	2	.....	S	Chr	133857
68	5/16	18 NC	2 1/4	.....	S	Cad	133861
69	5/16	18 NC	2 1/2	.....	S	Cad	133866
70	5/16	18 NC	2 3/4	.....	S	Cad	133871
71	5/16	18 NC	3	.....	S	Cad	133876
72	5/16	18 NC	3 1/4	.....	S	Cad	126086
73	5/16	18 NC	3 3/4	.....	S	Pln	137565
74	5/16	18 NC	4 1/4	.....	S	Chr	140224
75	5/16	18 NC	5 1/2	.....	S	Cad	142356
76	5/16	24 NF	3/4	.....	S	Pkd	189585
77	3/8	16 NC	1/2	.....	Br	NP	134100
78	3/8	16 NC	3/4	.....	S	Cad	133891
89	3/8	16 NC	1 1/8	.....	S	Cad	135650
80	3/8	16 NC	1 1/4	.....	S	Cad	133906
81	3/8	16 NC	2	.....	S	Cad	133921
82	3/8	16 NC	2 1/4	.....	S	Cad	133926
83	3/8	16 NC	2 3/4	.....	S	Cad	133936
84	3/8	24 NF	1 1/8	.....	S	Cad	178823
85	1/2	13 NC	3/4	.....	S	Pln	112818

GROUP 268 SCREW—Oval Head, Slotted (Cont'd)

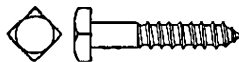
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
DIA.	THD.	L.					
6	No. 6	32 NC	3/8	.....	S	Chr	134165
7	No. 6	32 NC	7/16	60	S	Cad	134167
8	No. 6	32 NC	1/2	20	S	Chr	134168
9	No. 6	32 NC	5/16	15	Br	Chr	145598
10	No. 6	32 NC	1	36	S	Cad	134186
11	No. 6	32 NC	1	.....	Br	NP	107079
12	No. 6	32 NC	1 1/4	.....	S	NP	107003
13	No. 8	32 NC	5/8	12	S	Chr	134228
14	No. 8	32 NC	1	40	S	Cad	134239
15	No. 8	32 NC	1 1/2	.....	S	Chr	134248
16	No. 8	32 NC	1 3/4	.....	S	Chr	134262
17	No. 10	24 NC	5/8	30	S	Cad	134289
18	No. 10	24 NC	5/8	8	Br	Pln	138183
19	No. 10	24 NC	3/4	25	S	Cad	134292
20	No. 10	24 NC	7/8	12	Br	NP	110625
21	No. 10	24 NC	1	30	S	Cad	134300
22	No. 10	24 NC	1	15	S	Chr	134301
23	No. 10	24 NC	1 1/8	.....	S	Cad	141583
24	No. 10	24 NC	1 1/2	.....	S	Cad	134308
25	No. 10	24 NC	1/2	.....	Br	Chr	121866
26	No. 10	32 NC	5/8	30	S	Cad	134341
27	No. 10	32 NC	3/8	.....	S	NP	107024
28	No. 10	32 NC	3/4	.....	S	NP	107025
29	No. 10	32 NC	1	25	S	Cad	134353
30	No. 10	32 NC	1 1/8	.....	S	NP	107028
31	No. 10	32 NC	2	.....	Br	NP	107111
32	No. 12	24 NC	1/2	.....	S	Cad	134381
33	No. 12	24 NC	3/4	15	S	Chr	134389
34	No. 12	24 NC	3/4	.....	S	NP	107038
35	No. 12	24 NC	1 1/8	.....	Br	Cad	142440
36	No. 12	24 NC	1 1/8	.....	S	NP	107119
37	No. 12	24 NC	1 1/4	25	S	Cad	134400
38	No. 12	24 NC	1 1/2	.....	S	Pln	100993
39	No. 12	24 NC	1 1/2	.....	S	Chr	134405
40	No. 12	24 NC	2	.....	S	Cad	134412
41	No. 12	24 NC	3 3/4	.....	S	NP	120049
42	No. 12	24 NC	3 5/8	.....	S	NP	120173
43	1/4	20 NC	1/2	15	S	Chr	134417
44	1/4	20 NC	3/8	.....	Br	Chr	125082
45	1/4	20 NC	3/4	20	S	Cad	134422
46	1/4	20 NC	1 3/8	.....	S	Pln	114344
47	1/4	20 NC	1 3/8	.....	S	Chr	111645
48	1/4	20 NC	1 1/2	20	S	Cad	134436
49	1/4	20 NC	1 3/4	.....	S	NP	115659
50	1/4	20 NC	2 1/8	.....	S	Pln	123158
51	1/4	20 NC	2 1/4	.....	S	Chr	134449
52	1/4	20 NC	2 3/4	.....	S	Chr	111563
53	1/4	20 NC	3 1/4	.....	S	Cad	128296
54	1/4	20 NC	3 1/2	.....	S	NP	138004
55	1/4	20 NC	3 3/4	.....	S	Cad	113271
56	1/4	28 NF	1/2	25	S	Cad	187502
57	1/4	28 NF	1/2	25	S	Pkd	189639
58	5/16	18 NC	1	.....	S	Cad	121371
59	5/16	18 NC	1 1/8	6	S	NP	140791
60	5/16	18 NC	1 3/4	10	S	Cad	142850
61	5/16	18 NC	3	.....	S	Pln	117420
62	5/16	24 NF	1 3/4	5	S	Cad	190439
63	3/8	16 NC	1 1/4	.....	S	Cad	135631
64	3/8	16 NC	4 1/4	.....	S	Pln	120878
65	1/2	13 NC	4 1/8	.....	S	BE	120603

GROUP 266 SCREW—FLAT HEAD, SLOTTED, HEADER POINT



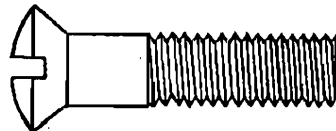
1	No. 8	32 NC	5/8	.....	S	NP	173424
2	No. 10	32 NF	9/16	25	S	Pkd	189618
3	No. 10	32 NF	3/4	25	S	Cad	173195
4	No. 10	32 NF	7/16	.....	S	Cad	149539
5	No. 10	32 NF	1	25	S	Cad	174898
6	No. 12	24 NC	1/2	.....	S	Pln	177977
7	No. 12	24 NC	5/8	S	Pln	178765
8	5/16	24 NF	7/8	15	S	Cad	187613

GROUP 267 SCREW—LAG



1	3/8	7	1 1/2	5	S	Cad	147534
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GROUP 268 SCREW—OVAL HEAD, SLOTTED



1	No. 4	40 NF	1/4	12	S	Chr	134122
2	No. 4	40 NF	5/8	15	S	NP	134147
3	No. 4	40 NF	3/8	.....	S	Pkd	134148
4	No. 6	32 NC	1/4	60	S	Cad	134155
5	No. 6	32 NC	1/4	.....	S	NP	106995

*Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 269 SCREW—OVAL HEAD, SLOTTED, HEADER POINT



ITEM NO.	DIA.	DIMENSIONS THD.	L	U.P.	MAT.	FIN.	PART NO.
1	No. 6	32 NC	3/4	.....	S	NP	128241
2	No. 8	32 NC	2	5	S	Chr	▼128263
3	No. 8	32 NC	2	20	S	Pkd	▼188952
4	No. 10	24 NC	1 3/8	12	S	Chr	▼188770
5	No. 10	32 NF	5/8	8	S	Pln	▼173020
6	No. 10	32 NF	5/8	.....	S	Chr	128290
7	No. 10	32 NF	3/4	.....	S	NP	145470
8	No. 10	32 NF	3/4	25	S	Pkd	▼189619
9	No. 10	32 NF	3/4	8	S	Pln	▼173064
10	No. 10	32 NF	1 1/2	.....	S	Pln	174952
11	No. 12	24 NC	5/8	.....	S	NP	173108
12	No. 12	24 NC	3/4	.....	S	NP	147646
13	No. 12	24 NC	3/4	.....	S	NP	147647
14	1/4	20 NC	1 1/2	.....	S	NP	177979

GROUP 270 SCREW—ROUND HEAD, MULTIPLE GROOVE POINTED



1	No. 6	32	1/4	S	NP	178754
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GROUP 271 SCREW—ROUND HEAD, SLOTTED



1	No. 2	56 NF	3/16	60	S	Cad	▼178707
2	No. 4	20 NC	5/8	S	Cad	132651
3	No. 4	40 NC	3/8	.....	S	Cad	132636
4	No. 4	40 NC	3/8	.....	S	NP	115347
5	No. 4	40 NC	1/2	60	S	Pln	▼117319
6	No. 4	40 NC	1/2	.....	S	NP	132648
7	No. 4	40 NC	3/4	50	S	Cad	▼132656
8	No. 4	40 NC	3/4	20	S	Chr	▼132657
9	No. 6	32 NC	1/4	60	S	Cad	▼132688
10	No. 6	32 NC	1/4	.....	Br	Pln	100944
11	No. 6	32 NC	5/8	60	S	Cad	▼121839
12	No. 6	32 NC	5/8	.....	Br	NP	120093
13	No. 6	32 NC	3/8	60	S	Cad	▼132696
14	No. 6	32 NC	3/8	.....	S	NP	107697
15	No. 6	32 NC	1/16	.....	S	NP	149499
16	No. 6	32 NC	1/2	.....	Br	Pln	100946
17	No. 6	32 NC	5/8	60	S	Cad	▼129028
18	No. 6	32 NC	3/4	.....	Br	Pln	100948
19	No. 6	32 NC	3/4	50	S	Cad	▼132711

GROUP 271 SCREW—Round Head, Slotted (Cont'd)

ITEM NO.	DIA.	DIMENSIONS THD.	L	U.P.	MAT.	FIN.	PART NO.
20	No. 6	32 NC	7/8	.....	Br	Pln	100949
21	No. 6	32 NC	15/16	.....	Br	NP	121851
22	No. 6	32 NC	1	.....	S	Cad	132719
23	No. 6	32 NC	1	.....	Br	NP	121523
24	No. 8	32 NC	1/4	50	S	Cad	▼122159
25	No. 8	32 NC	5/16	.....	Br	Pln	114741
26	No. 8	32 NC	3/8	50	S	Cad	▼121832
27	No. 8	32 NC	3/8	40	S	Cad	▼132764
28	No. 8	32 NC	5/8	.....	Br	NP	133239
29	No. 8	32 NC	3/4	.....	Br	Pln	100961
30	No. 8	32 NC	1	40	S	Cad	▼132776
31	No. 8	32 NC	1	.....	S	NP	107715
32	No. 8	32 NC	1	.....	Br	Pln	100963
33	No. 8	32 NC	1 3/8	.....	S	Cad	111302
34	No. 8	32 NC	1 1/2	.....	S	Chr	132785
35	No. 8	32 NC	2 1/4	.....	S	Cad	132796
36	No. 10	24 NC	3/8	30	S	Cad	▼132825
37	No. 10	24 NC	1/2	30	S	Cad	▼120221
38	No. 10	24 NC	1/2	.....	Br	Pln	110583
39	No. 10	24 NC	3/8	.....	S	Pln	113808
40	No. 10	24 NC	3/4	32	S	Cad	▼120910
41	No. 10	24 NC	1 3/8	.....	S	Pln	110505
42	No. 10	24 NC	1 1/8	.....	S	Pkd	140108
43	No. 10	24 NC	1 1/4	.....	Br	Pln	110589
44	No. 10	24 NC	1 1/4	25	S	Cad	▼132852
45	No. 10	24 NC	3	.....	S	Cad	132832
46	No. 10	32 NF	1/4	.....	Br	Pln	101126
47	No. 10	32 NF	5/16	30	S	Cad	▼121540
48	No. 10	32 NF	3/8	40	S	Cad	▼132900
49	No. 10	32 NF	3/8	.....	Br	NP	113763
50	No. 10	32 NF	1/16	30	S	Cad	▼132903
51	No. 10	32 NF	1/16	.....	Br	Pln	133276
52	No. 10	32 NF	1/2	12	S	Cad	132908
53	No. 10	32 NC	5/8	.....	Br	Chr	142571
54	No. 10	32 NF	3/4	32	S	Cad	▼132915
55	No. 10	32 NF	3/4	.....	Br	Pln	101130
56	No. 10	32 NF	7/8	.....	S	Chr	132920
57	No. 10	32 NF	1	25	S	Cad	▼132923
58	No. 10	32 NF	1 3/8	.....	S	Cad	116286
59	No. 10	32 NF	1 3/8	.....	S	NP	107729
60	No. 10	32 NF	1 3/8	.....	S	Cad	142443
61	No. 10	32 NF	1 3/8	.....	S	NP	107731
62	No. 10	32 NF	1 1/2	.....	S	Cad	▼132930
63	No. 10	32 NF	1 1/2	.....	Br	Pln	135500
64	No. 12	24 NC	1/16	30	S	Cad	▼132972
65	No. 12	24 NC	1/16	15	S	NP	▼132974
66	No. 12	24 NC	1/2	30	S	Cad	▼121742
67	No. 12	24 NC	5/8	25	S	Cad	▼132979
68	No. 12	24 NC	7/8	.....	Br	Cad	142915
69	No. 12	24 NC	7/8	.....	Br	Chr	148373
70	No. 12	24 NC	1	.....	S	Cad	132988
71	No. 12	24 NC	1 1/8	.....	S	Pln	100782
72	No. 12	24 NC	1 1/4	25	S	Cad	▼132992
73	No. 12	24 NC	2 1/2	12	S	Cad	▼133013
74	1/4	20 NC	3/8	20	S	Cad	▼131375
75	1/4	20 NC	1/2	20	S	Cad	▼120628
76	1/4	20 NC	5/8	20	S	Cad	▼120583
77	1/4	20 NC	5/8	.....	S	Chr	133042
78	1/4	20 NC	3/4	25	S	Cad	▼133043
79	1/4	20 NC	7/8	.....	S	Cad	133046



GROUP 271 SCREW—Round Head, Slotted (Cont'd)

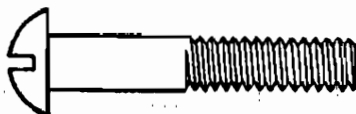
ITEM NO.	DIA.	THD.	L.	U.P.	MAT.	FIN.	PART NO.
80	¼	20 NC	1	20	S	Cad	▼133049
81	¼	20 NC	1 ⅛	8	Br	Pln	▼113979
82	¼	20 NC	1 ¼	12	S	Cad	▼133053
83	¼	20 NC	1 ¼	.....	S	Chr	133054
84	¼	20 NC	1 ⅝	.....	S	Pln	113962
85	¼	20 NC	1 ½	12	S	Cad	▼133056
86	¼	20 NC	1 ¾	.....	S	Chr	133059
87	¼	20 NC	1 ⅞	.....	S	Pln	120259
88	¼	20 NC	2 ½	12	S	Cad	▼133073
89	¼	20 NC	2 ¾	.....	S	NP	133080
90	¼	20 NC	4	.....	S	Pln	119899
91	¼	28 NF	⅜	25	S	Cad	▼189120
92	¼	28 NF	¾	30	S	Pkd	▼188079
93	⅝	18 NC	½	15	S	Cad	▼131394
94	⅝	18 NC	¾	15	S	Cad	▼133094
95	⅝	18 NC	1 ⅛	.....	S	Cad	113364
96	⅝	18 NC	1 ¼	.....	S	Cad	133106
97	⅝	18 NC	2	.....	S	Cad	133120
98	⅝	18 NC	2 ½	.....	S	Cad	133129
109	⅝	18 NC	3	.....	S	Cad	133138
100	⅝	18 NC	3 ¼	.....	S	Pln	142274
101	⅝	16 NC	3 ¼	.....	S	Pln	114714

GROUP 272 SCREW—ROUND HEAD, SLOTTED, HEADER POINT



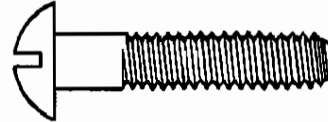
1	No. 6	32 NC	½	15	S	Pln	▼173010
2	No. 8	32 NC	⅝	.....	S	Cad	145530
3	No. 8	32 NC	⅞	40	S	Cad	▼173028
4	No. 8	32 NC	1	.....	S	Cad	145531
5	No. 8	32 NC	1 ¼	.....	S	Pkd	▼191251
6	No. 10	24 NC	½	15	S	NP	▼173140
7	No. 10	24 NC	1 ¼	25	S	Cad	▼173141
8	No. 10	32 NF	½	6	S	Pln	▼187448
9	No. 10	32 NF	⅝	8	S	Pln	▼188175
10	No. 10	32 NF	¾	25	S	Pln	▼173091
11	No. 12	24 NC	⅝	25	S	Cad	▼173306
12	No. 12	24 NC	1 ½	12	S	Cad	▼189792
13	¼	20 NC	¾	.....	S	Cad	148055
14	¼	20 NC	⅞	.....	S	Pkd	147930
15	¼	20 NC	1 ¼	.....	S	Cad	126057
16	¼	28 NF	⅝	30	S	Cad	▼188192

GROUP 273 SCREW—TRUSS HEAD, SLOTTED



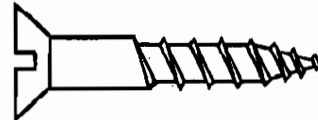
1	⅝	24 NF	¾	15	S	Pkd	▼188993
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GROUP 274 SCREW—TRUSS HEAD, SLOTTED, HEADER POINT



ITEM NO.	DIA.	THD.	L.	U.P.	MAT.	FIN.	PART NO.
1	⅝	18 NC	1	.....	S	Cad	▼190496

GROUP 275 SCREW—WOOD, FLAT HEAD, SLOTTED



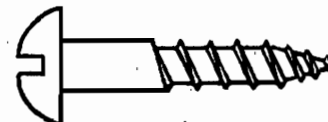
1	No. 8	15	⅝	.....	Br	NP	106043
2	No. 8	15	⅞	.....	S	Cad	129355
3	No. 9	14	⅞	.....	Br	Pln	129903
4	No. 10	13	1 ¼	.....	S	Pln	101935
5	No. 12	11	4	.....	S	NP	129811
6	No. 12	14	½	.....	S	Pln	101939
7	No. 14	10	3	.....	S	Pkd	129816
8	No. 16	9	1	.....	S	Pkd	129737

GROUP 276 SCREW—WOOD, OVAL HEAD, SLOTTED



1	No. 5	20	½	.....	S	Chr	130669
2	No. 6	18	½	.....	S	Chr	130686
3	No. 6	18	⅞	.....	Br	NP	106166
4	No. 6	18	2	.....	Br	NP	106171
5	No. 10	13	⅝	.....	Br	NP	106186
6	No. 12	11	1	.....	Br	NP	106200
7	No. 12	11	1 ½	.....	Br	NP	106202
8	No. 14	10	1	.....	S	Pkd	130908
9	No. 14	10	1 ¼	.....	S	Chr	130919
10	No. 14	10	2	.....	S	Chr	130923

GROUP 277 SCREW—WOOD, ROUND HEAD, SLOTTED



1	No. 6	18	½	.....	Br	NP	106097
2	No. 6	18	⅝	.....	S	Cad	130029
3	No. 6	18	⅞	24	S	NP	105768
4	No. 6	18	⅞	.....	S	But	173112
5	No. 6	18	1	.....	S	Cad	130189
6	No. 7	16	¾	.....	S	Cad	130064
7	No. 8	15	½	.....	Br	NP	106108
8	No. 8	15	1	.....	S	Cad	130269
9	No. 8	15	1 ½	.....	S	NP	105784
10	No. 10	13	1	.....	S	NP	105793
11	No. 12	11	⅝	.....	S	Cad	130135
12	No. 12	11	¾	.....	S	Chr	130140
13	No. 12	11	1	.....	S	NP	105804
14	No. 14	10	2	.....	S	NP	105819
15	No. 16	9	4	.....	S	Chr	130586

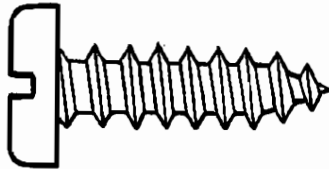
Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 278 SCREW—TAPPING, BINDING HEAD, SLOTTED (TYPE A)



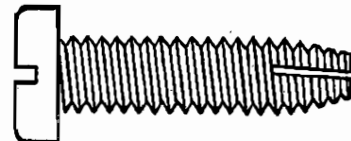
ITEM NO.	DIA.	DIMENSIONS THD.	L	U.P.	MAT.	FIN.	PART NO.
1	No. 4	24	1/4	50	S	Cad	▼144789
2	No. 4	24	3/8	50	S	Pkd	▼111584
3	No. 5	20	3/8	40	S	Cad	▼144804
4	No. 6	18	1/4	40	S	Cad	▼144791
5	No. 6	18	5/16	.....	S	Pln	131724
6	No. 6	18	3/8	.....	S	Pkd	142594
7	No. 6	18	3/8	15	S	Chr	▼142385
8	No. 6	18	1/2	.....	S	Pkd	141900
9	No. 6	18	5/8	.....	S	Pln	138137
10	No. 6	18	5/8	.....	S	Chr	141901
11	No. 6	18	7/8	.....	S	Pln	117043
12	No. 7	16	5/16	.....	S	Pkd	114093
13	No. 7	16	3/16	.....	S	Chr	116340
14	No. 7	16	3/8	.....	S	Pln	127837
15	No. 7	16	3/8	35	S	Cad	▼144805
16	No. 7	16	1	.....	S	Cad	144837
17	No. 8	15	3/8	32	S	Pkd	▼122864
18	No. 8	15	3/8	.....	S	Cad	▼142908
19	No. 8	15	3/8	.....	S	Chr	142406
20	No. 8	15	3/16	.....	S	NP	114096
21	No. 8	15	1/2	30	S	Cad	▼111633
22	No. 8	15	1/2	.....	S	NP	131726
23	No. 8	15	3/8	.....	S	Pkd	119941
24	No. 8	15	3/4	25	S	Cad	▼116410
25	No. 8	15	7/8	.....	S	Pkd	120163
26	No. 8	15	7/8	.....	S	Cad	128060
27	No. 8	15	1	.....	S	Pkd	120440
28	No. 8	15	1 1/8	.....	S	Pkd	121369
29	No. 8	15	1 1/4	.....	S	Pln	125707
30	No. 8	15	1 1/2	.....	S	Cad	144854
31	No. 10	12	3/8	.....	S	Pln	▼141535
32	No. 10	12	3/8	.....	S	Cad	127933
33	No. 10	12	5/16	.....	S	Cad	127851
34	No. 10	12	5/16	.....	S	Chr	111136
35	No. 10	12	1/2	25	S	Cad	▼144811
36	No. 10	12	1/2	.....	S	NP	110302
37	No. 10	12	5/8	30	S	Cad	▼142611
38	No. 10	12	3/4	.....	S	Pln	118534
39	No. 10	12	3/4	.....	S	Cad	128151
40	No. 10	12	7/8	.....	S	Cad	144831
41	No. 10	12	1	25	S	Pln	▼142686
42	No. 10	12	1 1/4	.....	S	Pln	111153
43	No. 10	12	1 3/4	.....	S	Pkd	127993
44	No. 10	12	1 3/4	.....	S	Cad	128078
45	No. 12	11	3/8	.....	S	Pln	116508
46	No. 12	11	3/4	12	S	Cad	▼144823
47	No. 14	10	3/4	12	S	Cad	▼144824

GROUP 279 SCREW—TAPPING, BINDING HEAD, SLOTTED (TYPE B)



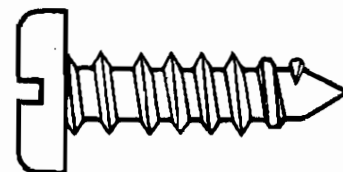
ITEM NO.	DIA.	DIMENSIONS THD.	L	U.P.	MAT.	FIN.	PART NO.
1	No. 2	32	1/4	.....	S	Cad	127847
2	No. 6	20	3/16	.....	S	Cad	128044
3	No. 6	20	1/4	25	S	Cad	▼178812
4	No. 6	20	1/2	.....	S	Pkd	134259
5	No. 8	18	1/4	.....	S	Cad	125706
6	No. 8	18	3/8	.....	S	Pln	141516
7	No. 8	18	3/8	.....	S	Cad	111688
8	No. 8	18	3/8	30	S	Pkd	▼188076
9	No. 8	18	1/2	.....	S	Cad	125932
10	No. 8	18	5/8	.....	S	NP	142563
11	No. 10	16	3/8	.....	S	Cad	145189
12	No. 10	16	3/8	.....	S	Chr	110353
13	No. 10	16	7/16	.....	S	Chr	131040
14	No. 12	14	3/4	.....	S	Cad	▼145207

GROUP 280 SCREW—TAPPING, BINDING HEAD, SLOTTED (TYPE D)



1	1/4	20	3/8	.....	S	Cad	▼191691
2	5/16	18	3/16	.....	S	Cad	150626

GROUP 281 SCREW—TAPPING, BINDING HEAD, SLOTTED (TYPE E)



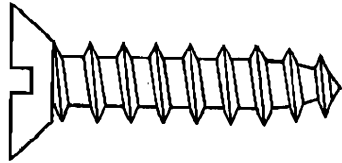
1	No. 7	19	5/8	.....	S	Pln	121350
2	No. 8	18	1 1/2	.....	S	Pln	142215
3	No. 8	18	1 1/2	.....	S	Pkd	142272
4	No. 10	16	3/8	.....	S	Cad	141592
5	No. 10	16	3/8	.....	S	Chr	109391
6	No. 10	16	3/8	.....	S	Pkd	142687

GROUP 282 SCREW—TAPPING, FILLISTER HEAD, SLOTTED (TYPE D)



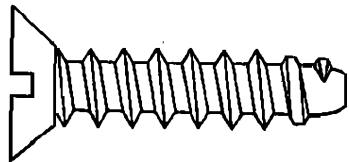
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	No. 8	32	¼	25	S	Cad	▼172127

GROUP 283 SCREW—TAPPING, FLAT HEAD, SLOTTED (TYPE A)



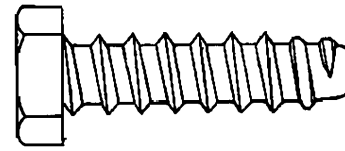
1	No. 4	24	5/16	.....	S	Pln	144628
2	No. 4	24	3/8	.....	S	Cad	144634
3	No. 4	24	1/2	.....	S	Cad	111333
4	No. 4	24	1/2	40	S	Pkd	▼107328
5	No. 4	24	3/4	25	S	Cad	▼169248
6	No. 6	18	3/8	.....	S	Cad	126190
7	No. 6	18	1/2	.....	S	NP	140171
8	No. 7	16	1/2	.....	S	Cad	111663
9	No. 8	15	3/8	.....	S	Cad	116367
10	No. 8	15	1/2	30	S	Cad	▼137145
11	No. 8	15	1/2	.....	S	Pln	120479
12	No. 8	15	1	.....	S	Pln	140100
13	No. 8	15	1 1/4	25	S	Pkd	▼189816
14	No. 10	12	1/2	.....	S	Pkd	125856
15	No. 10	12	1/2	.....	S	Cad	144640
16	No. 10	12	3/4	.....	S	Cad	115262
17	No. 10	12	1/2	.....	S	Cad	131291
18	No. 10	12	1	.....	S	Pln	116396
19	No. 10	12	1 1/4	.....	S	Cad	107338
20	No. 10	12	1 1/2	.....	S	Pln	141890
21	No. 10	12	1 3/4	.....	S	Cad	128267
22	No. 12	11	1/2	.....	S	Pln	111102
23	No. 14	10	1	12	S	Cad	▼144668
24	No. 14	10	1 1/4	.....	S	Pln	115207

GROUP 284 SCREW—TAPPING, FLAT HEAD, SLOTTED (TYPE B)



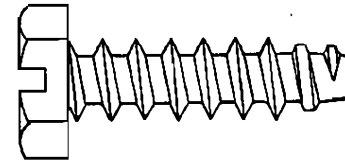
1	No. 2	32	1/4	50	S	Cad	▼144966
2	No. 4	24	3/8	.....	S	Cad	115220
3	No. 4	24	1/2	50	S	Cad	▼111654
4	No. 10	16	1/2	25	S	Cad	▼144987
5	No. 12	14	5/8	25	S	Cad	▼144997
6	No. 12	14	1	.....	S	Cad	▼145088
7	No. 12	14	1 1/4	12	S	Cad	▼145091

GROUP 285 SCREW—TAPPING, HEXAGON HEAD (TYPE B)



ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
1	No. 6	20	5/16	.....	S	Cad	173188
2	No. 8	18	3/8	.....	S	Pln	142253
3	No. 14	14	1/2	20	S	Cad	▼145349

GROUP 286 SCREW—TAPPING, HEXAGON HEAD, SLOTTED (TYPE B)



1	No. 8	18	1/4	S	Cad	145450
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GROUP 287 SCREW—TAPPING, HEXAGON HEAD (TYPE D)



1	No. 10	32	3/8	25	S	Cad	▼172374
2	No. 10	32	1/2	30	S	Cad	▼172378
3	No. 10	32	5/8	12	S	Cad	▼172380
4	No. 12	24	3/8	25	S	Cad	▼172401
5	No. 12	24	1/2	18	S	Cad	▼172415
6	1/4	20	1/2	12	S	Cad	▼172427
7	5/16	18	1/2	.....	S	Cad	172449
8	5/16	24	1/2	.....	S	Cad	172465

GROUP 288 SCREW—TAPPING, HEXAGON HEAD, SLOTTED (TYPE D)



1	No. 8	32	1/4	25	S	Cad	▼178714
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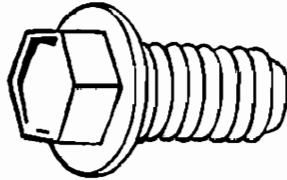
▼ indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 289 SCREW—TAPPING, HEXAGON HEAD, WASHER FACE



ITEM NO.	DIA.	DIMENSIONS THD.	L.	U.P.	MAT.	FIN.	PART NO.
1	1/4	20	3/8	.....	S	Cad	187058
2	1/4	20	1/2	.....	S	Cad	178831

GROUP 290 SCREW—TAPPING, OVAL HEAD, SLOTTED (TYPE A)

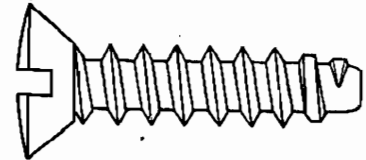


1	No. 4	24	5/8	.....	S	Chr	141908
2	No. 4	24	3/4	.....	S	Pln	141904
3	No. 4	24	1	.....	S	Chr	142211
4	No. 4	24	1	.....	S	NP	143219
5	No. 4	24	1	.....	S	Pln	145407
6	No. 4	24	1 1/4	.....	S	NP	128289
7	No. 4	24	1 1/4	.....	S	Chr	111689
8	No. 6	18	3/8	.....	S	Cad	115142
9	No. 6	18	1/2	.....	S	NP	141905
10	No. 6	18	3/8	15	S	Chr	106665
11	No. 6	18	3/4	.....	S	Chr	106666
12	No. 6	18	3/4	22	S	NP	141909
13	No. 6	18	7/8	25	S	NP	111662
14	No. 6	18	1	25	S	Chr	142366
15	No. 6	18	1	.....	S	Pln	145534
16	No. 6	18	1 1/4	12	S	Chr	111340
17	No. 6	18	1 1/2	.....	S	NP	111325
18	No. 6	20	1/2	.....	S	Pln	179030
19	No. 7	16	1	30	S	Cad	144914
20	No. 8	15	3/8	.....	S	Cad	144879
21	No. 8	15	1/2	12	S	Chr	142407
22	No. 8	15	3/4	.....	S	Chr	116514
23	No. 8	15	3/8	.....	S	Pln	177954
24	No. 8	15	3/4	25	S	Cad	128247
25	No. 8	15	3/4	25	S	Pkd	142282
26	No. 8	15	1 1/4	20	S	NP	141916
27	No. 8	15	1 3/4	.....	S	NP	141917
28	No. 10	12	3/8	.....	S	Pkd	110307
29	No. 10	12	1/2	25	S	NP	125674
30	No. 10	12	3/8	.....	S	Chr	107261
31	No. 10	12	1/2	.....	S	NP	128246
32	No. 10	12	1	.....	S	NP	127783
33	No. 10	12	1 1/4	.....	S	NP	106676
34	No. 10	12	1 3/4	.....	S	Pkd	107815
35	No. 10	12	1 7/8	8	S	NP	178749
36	No. 10	12	2 1/4	.....	S	NP	126138
37	No. 10	12	2 3/4	.....	S	Chr	111599
38	No. 10	12	3 1/2	.....	S	NP	128154
39	No. 10	12	4	.....	S	NP	128286
40	No. 14	10	5/8	.....	S	NP	119370
41	No. 14	10	3/4	.....	S	NP	142732
42	No. 14	10	7/8	.....	S	NP	119488

GROUP 290 SCREW—TAPPING, Oval Head, Slotted (Type A) (Cont'd)

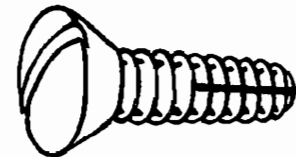
ITEM NO.	DIA.	DIMENSIONS THD.	L.	U.P.	MAT.	FIN.	PART NO.
43	No. 14	10	1	16	S	NP	142292
44	No. 14	10	1 1/4	5	S	Chr	106691
45	No. 14	10	1 1/2	.....	S	Chr	119463
46	No. 14	10	1 1/2	.....	S	NP	125923
47	No. 14	10	1 3/4	8	S	NP	173216

GROUP 291 SCREW—TAPPING, OVAL HEAD, SLOTTED (TYPE B)



1	No. 6	20	3/4	25	S	NP	141959
2	No. 6	20	1	25	S	NP	110316

GROUP 292 SCREW—TAPPING, OVAL HEAD, SLOTTED (TYPE D)



1	No. 6	32	3/4	.....	S	Cad	171900
2	3/4	20	3/4	.....	S	Cad	172056

GROUP 293 SCREW—TAPPING, ROUND HEAD, SLOTTED (TYPE A)



1	No. 2	32	3/8	.....	S	Pkd	111583
2	No. 6	18	1/4	.....	S	Cad	125675
3	No. 6	18	1/2	25	S	Cad	127853
4	No. 6	18	3/8	.....	S	Pln	120454
5	No. 6	18	3/8	.....	S	Cad	125728
6	No. 6	18	1/2	.....	S	NP	141893
7	No. 6	18	1 1/16	.....	S	Pln	118573
8	No. 6	18	3/4	.....	S	NP	142230
9	No. 7	16	1/2	.....	S	Cad	111686
10	No. 7	16	3/8	.....	S	Cad	144735
11	No. 8	15	1/4	.....	S	Cad	143189
12	No. 8	15	3/16	.....	S	Pln	178824
13	No. 8	15	3/8	.....	S	Cad	111684
14	No. 8	15	1/2	.....	S	Cad	125978
15	No. 8	15	1/2	.....	S	Pkd	141502
16	No. 8	15	5/8	25	S	Pkd	115275
17	No. 8	15	3/4	.....	S	Cad	125592
18	No. 8	15	3/4	.....	S	Pkd	120831

Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

GROUP 293 SCREW—Tapping, Round Head, Slotted (Type A) (Cont'd)


ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
19	No. 8	15	3/8	.....	S	Pln	142812
20	No. 8	15	1	25	S	Pln	▼144753
21	No. 8	15	1	24	S	Cad	▼127896
22	No. 10	12	3/8	6	S	Cad	▼128058
23	No. 10	12	3/8	12	S	NP	▼177951
24	No. 10	12	1/2	30	S	Cad	▼125591
25	No. 10	12	5/8	.....	S	Cad	127884
26	No. 10	12	3/4	.....	S	Cad	119868
27	No. 10	12	3/8	.....	S	Pln	120338
28	No. 12	11	1/2	24	S	Cad	▼144727
29	No. 12	11	1/2	.....	S	Pkd	149498
30	No. 12	11	5/8	25	S	Cad	▼125697
31	No. 12	11	3/4	.....	S	Pln	142221
32	No. 12	11	1	.....	S	Cad	144758
33	No. 14	10	3/8	.....	S	Cad	131299
34	No. 14	10	1/2	.....	S	Pkd	▼115143
35	No. 14	10	3/4	.....	S	Cad	144744
36	No. 14	10	1	12	S	Cad	▼144759
37	No. 14	10	1 1/8	12	S	Cad	▼144765
38	No. 14	10	1 1/4	12	S	Cad	▼144768

GROUP 294 SCREW—TAPPING, ROUND HEAD, SLOTTED (TYPE B)

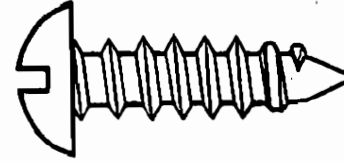


1	No. 4	24	3/16	40	S	Pln	▼145459
2	No. 4	24	1/4	40	S	Cad	▼145108
3	No. 4	24	3/8	40	S	Cad	▼169265
4	No. 6	20	3/16	.....	S	NP	145480
5	No. 6	20	1/4	.....	S	Cad	142806
6	No. 6	20	5/16	40	S	Cad	▼145119
7	No. 6	20	3/16	.....	S	NP	120298
8	No. 6	20	3/8	15	S	NP	▼187203
9	No. 6	20	1/2	.....	S	Cad	142645
10	No. 8	18	1/4	.....	S	Cad	111196
11	No. 8	18	1/2	25	S	Pln	▼145125
12	No. 8	18	1/2	25	S	Cad	▼107316
13	No. 10	16	3/16	12	S	Cad	▼145122
14	No. 10	16	3/8	.....	S	Cad	126142
15	No. 10	16	1/2	.....	S	Pln	118589
16	No. 10	16	1/2	.....	S	Cad	▼143152
17	No. 10	16	5/8	30	S	Cad	▼145136
18	No. 10	16	1 1/8	.....	S	BE	119940
19	No. 10	16	1	.....	S	Pkd	116343
20	No. 12	14	1/2	.....	S	Cad	145130
21	No. 12	14	1	15	S	Cad	▼145156
22	No. 14	14	1/2	12	S	Cad	▼145131
23	No. 14	14	1	12	S	Cad	▼145157

GROUP 295 SCREW—TAPPING, ROUND HEAD, SLOTTED (TYPE D)

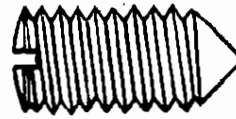
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	L.				
							
1	No. 4	40	1/2	40	S	Pkd	▼189779
2	No. 8	32	1/2	25	S	Cad	▼171354
3	No. 8	32	5/8	25	S	Cad	▼171356
4	No. 10	24	1/2	30	S	Cad	▼171482

GROUP 296 SCREW—TAPPING, ROUND HEAD, SLOTTED (TYPE E)



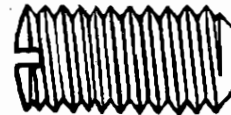
1	No. 8	18	1/2	S	Cad	142573
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GROUP 297 SCREW—SET, HEADLESS, CONE POINT



1	No. 8	32	1/2	8	S	Pln	▼141008
2	No. 10	24	3/16	S	NP	111596
3	1/4	20	3/8	.....	S	Pln	102761
4	1/4	20	5/8	.....	S	Pln	102768

GROUP 298 SCREW—SET, HEADLESS, CUP POINT



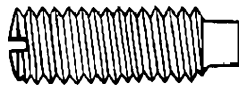
1	No. 6	32	3/16	8	S	Cad	▼173187
2	No. 6	32	3/8	8	S	NP	▼189603
3	No. 8	32	1/8	.....	S	Cad	116326
4	No. 8	32	3/16	8	S	Pln	▼127555
5	No. 8	32	1/4	.....	S	Pln	140986
6	No. 8	32	3/8	.....	S	Pkd	113252
7	No. 8	32	7/16	8	S	Pln	▼140989
8	No. 10	24	1/4	.....	S	Pln	102694
9	No. 10	24	3/16	12	S	Pln	▼112959
10	No. 10	24	3/8	6	S	Pln	▼102695
11	No. 10	24	7/16	6	S	Pln	▼140991
12	No. 10	24	3/8	6	S	Pln	▼102697
13	No. 10	32	3/16	8	S	Cad	▼173156
14	No. 10	32	3/8	.....	S	Cad	126135
15	No. 10	32	3/4	.....	S	Cad	125677
16	1/4	20	1/4	.....	S	Pln	102705



GROUP 298 SCREW—Set, Headless, Cup Point (Cont'd)

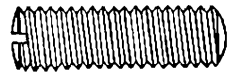
ITEM NO.	DIA.	DIMENSIONS THD.	L.	U.P.	MAT.	FIN.	PART NO.
17	1/4	20	5/16	.....	S	Pln	112960
18	1/4	20	1/2	.....	S	Pln	102707
19	1/4	20	3/4	.....	S	Pln	102709
20	5/16	18	5/16	.....	S	Pln	110992
21	5/16	18	3/8	.....	S	Pln	102717
22	5/16	18	3/4	.....	S	Pln	102720
23	5/16	18	7/8	.....	S	Pln	102721
24	3/8	16	7/8	.....	S	Pln	102732

GROUP 299 SCREW—SET, HEADLESS, DOG POINT



1	No. 8	32	1/4	.....	S	Pln	141021
2	No. 10	24	5/8	.....	S	Pln	102807
3	1/4	20	5/16	.....	S	Pln	141028
4	1/4	20	3/4	.....	S	Pln	102819
5	5/16	18	1	5	S	Pln	▼102832
6	3/8	16	3/8	.....	S	Pln	102838

GROUP 300 SCREW—SET, HEADLESS, ROUND POINT



1	No. 10	24	5/8	6	S	Cad	▼111269
2	1/4	20	1	.....	S	Pln	102381
3	1/4	20	1 1/4	.....	S	Pln	102382
4	1/4	20	1 3/4	.....	S	Pln	102384
5	5/16	18	7/8	6	S	Pln	▼102391
6	5/16	18	1	6	S	Pln	▼102392
7	5/16	18	1 1/4	.....	S	Pln	102393
8	5/16	18	1 1/2	.....	S	Pkd	138156
9	5/16	18	1 1/2	5	S	Pln	▼102394
10	3/8	16	1/4	.....	S	Pln	102397
11	3/8	16	3/8	.....	S	Pln	102398
12	3/8	16	3/4	.....	S	Pln	▼102401
13	3/8	16	1 1/4	.....	S	Pln	102404
14	3/8	16	1 1/2	.....	S	Pln	102405
15	3/8	16	1 3/4	.....	S	Pln	102406

GROUP 301 SCREW—SET, HEXAGON SOCKET, CONE POINT



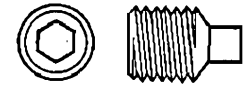
1	No. 6	32	3/8	50	S	Pln	▼186428
2	No. 10	32 NF	1/4	.....	S	Pln	▼140918
3	3/8	16 NC	7/16	.....	S	Pln	139413

GROUP 302 SCREW—SET, HEXAGON SOCKET, CUP POINT



ITEM NO.	DIA.	DIMENSIONS THD.	L.	U.P.	MAT.	FIN.	PART NO.
1	No. 8	32	1/8	.....	S	Pln	140852
2	No. 8	32	3/16	.....	S	Pln	140853
3	No. 10	32	3/16	.....	S	Pln	140879
4	No. 10	32	5/16	.....	S	Pln	140881
5	No. 10	32	3/8	.....	S	Pln	140885
6	1/4	28	5/16	.....	S	Pln	139010
7	3/8	24	5/8	S	Pln	139079

GROUP 303 SCREW—SET, HEXAGON SOCKET, DOG POINT



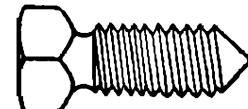
1	No. 10	24	3/16	S	Pln	▼140949
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GROUP 304 SCREW—SET, HEXAGON SOCKET, ROUND POINT



1	1/4	20	1/4	S	Pln	138621
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GROUP 305 SCREW—SET, SQUARE HEAD, CONE POINT



1	1/4	20	3/8	S	Pln	105115
2	1/2	13	2 3/4	S	Pln	▼137719
3	5/8	11	2 3/4	.....	S	Pln	137731

GROUP 306 SCREW—SET, SQUARE HEAD, CUP POINT



1	1/4	20 NC	1/4	.....	S	Cad	147634
2	1/4	20 NC	1/2	.....	S	Cad	119504
3	1/4	20 NC	5/8	.....	S	Pln	102871
4	1/4	20 NC	3/4	.....	S	Pln	102872
5	1/4	20 NC	7/8	.....	S	Pln	102873
6	1/4	20 NC	1	.....	S	Cad	107345
7	1/4	20 NC	1 1/4	.....	S	Pln	102875
8	5/16	18 NC	5/8	.....	S	Pln	102882
9	5/16	18 NC	3/4	.....	S	Pln	102883



GROUP 306 SCREW—Set, Square Head, Cup Point (Cont'd)

ITEM NO.	DIMENSIONS DIA. THD. L.	U.P.	MAT.	FIN.	PART NO.
10	5/16 18 NC 3/8	.....	S	Pln	102884
11	5/16 18 NC 1	.....	S	Pln	102885
12	3/8 16 NC 1/2	.....	S	Pln	102892
13	5/16 18 NC 1/2	.....	S	Cad	142671
14	3/8 16 NC 5/8	.....	S	Pln	102893
15	3/8 16 NC 7/8	.....	S	Pkd	140365
16	3/8 16 NC 1	.....	S	Pln	102896
17	3/8 16 NC 1 1/4	.....	S	Pln	102897
18	3/8 16 NC 1 1/2	.....	S	Pln	102898

GROUP 307 SCREW—SET, SQUARE HEAD, DOG POINT



1	1/4 20 NC 5/8	.....	S	Pln	106825
2	5/8 11 NC 7/8	.....	S	Pln	113055

GROUP 308 SCREW—SET, SQUARE HEAD, ROUND POINT



1	1/4 20 NC 1 1/2	.....	S	Pln	102436
2	5/16 18 NC 1 1/4	.....	S	Pln	102446
3	3/8 16 NC 1	.....	S	Pkd	134581
4	3/8 16 NC 1 1/2	.....	S	Pln	102458
5	3/8 16 NC 1 3/4	.....	S	Pln	102459
6	3/8 16 NC 1 3/4	.....	S	Pkd	134582
7	3/8 16 NC 2	.....	S	Pln	102460
8	3/8 16 NC 2 1/4	.....	S	Pln	114489
9	3/8 16 NC 2 3/4	.....	S	Pln	114591
10	3/8 16 NC 3	.....	S	Pln	102462
11	3/8 16 NC 3 1/4	.....	S	Pkd	140801
12	7/16 14 NC 1 3/4	.....	S	Pln	102470
13	5/8 11 NC 1 3/4	.....	S	Pln	110117

GROUP 309 SLEEVE—BALL SLEEVE TUBING



ITEM NO.	DIMENSIONS TUBE DIA.	U.P.	MAT.	FIN.	PART NO.
1	1/8	.....	Br	Pln	121322
2	3/16	.....	Br	Pln	120488
3	1/4	.....	Br	Pln	114628
4	5/16	.....	Br	Pln	114631
5	3/8	.....	Br	Pln	114624
6	1/2	.....	Br	Pln	125654

GROUP 310 SPRING—RETAINER



ITEM NO.	DIMENSIONS GROOVE DIA.	U.P.	MAT.	FIN.	PART NO.
1	3/16	25	S Wire	Pln	148147
2	1/4	.....	S Wire	Pln	148148

GROUP 311 STUD



ITEM NO.	DIMENSIONS						U.P.	MAT.	FIN.	PART NO.	
	STUD END			NUT END							
DIA.	THD.	THD. L.	L.	DIA.	THD.	THD. L.	U.P.	MAT.	FIN.	PART NO.	
1	1/4	20 NC	3/8	7/8	1/4	28 NF	7/16	5	S	Pln	103150
2	1/4	20 NC	3/8	7/8	1/4	29 NF	7/16	...	S	Cad	144532
3	1/4	20 NC	3/8	1	1/4	28 NF	7/16	...	S	Cad	147716
4	1/4	20 NC	3/8	1	1/4	28 NF	7/16	5	S	Pkd	189636
5	1/4	20 NC	3/8	1 1/8	1/4	28 NF	7/16	...	S	Cad	113272
6	1/4	20 NC	3/8	1 1/4	1/4	28 NF	7/16	...	S	Cad	173252
7	1/4	20 NC	3/8	1 3/8	1/4	28 NF	7/16	...	S	Pln	103154
8	1/4	20 NC	3/8	1 1/2	1/4	28 NF	7/16	...	S	Pln	117712
9	1/4	20 NC	3/8	2 1/8	1/4	28 NF	7/16	...	S	Pln	103157
10	1/4	20 NC	3/8	3 5/8	1/4	28 NF	7/16	...	S	Pln	103163
11	5/16	18 NC	1/2	1	5/16	24 NF	9/16	...	S	Pln	103171
12	5/16	18 NC	1/2	1 1/8	5/16	24 NF	9/16	5	S	Cad	113240
13	5/16	18 NC	1/2	1 1/4	5/16	24 NF	9/16	...	S	Pln	103173
14	5/16	18 NC	1/2	1 1/2	5/16	24 NF	9/16	...	S	Pln	103175
15	5/16	18 NC	1/2	1 1/2	5/16	24 NF	9/16	...	S	Cad	148062
16	5/16	18 NC	1/2	1 5/8	5/16	24 NF	9/16	...	S	Pln	117713
17	5/16	18 NC	1/2	1 3/4	5/16	24 NF	9/16	...	S	Pln	103176
18	5/16	18 NC	1/2	2	5/16	24 NF	9/16	...	S	Pln	103177
19	5/16	18 NC	1/2	2 1/8	5/16	24 NF	9/16	...	S	Pln	112571
20	5/16	18 NC	1/2	2 1/4	5/16	24 NF	9/16	...	S	Pln	103178
21	5/16	18 NC	1/2	2 1/2	5/16	24 NF	9/16	...	S	Pln	103179
22	5/16	18 NC	1/2	2 3/8	5/16	24 NF	9/16	...	S	Pln	186578
23	5/16	18 NC	1/2	2	5/16	24 NF	9/16	...	S	Pln	103181
24	5/16	18 NC	1/2	3 1/8	5/16	24 NF	9/16	...	S	Pln	144469
25	5/16	18 NC	1/2	3 1/4	5/16	24 NF	9/16	...	S	Pln	103182
26	5/16	18 NC	1/2	3 3/8	5/16	24 NF	9/16	...	S	Pln	125933
27	5/16	18 NC	1/2	3 1/2	5/16	24 NF	9/16	...	S	Pln	103183
28	5/16	18 NC	1/2	3 3/4	5/16	24 NF	9/16	...	S	Pln	103184
29	5/16	18 NC	1/2	4	5/16	24 NF	9/16	...	S	Pln	103185
30	5/16	18 NC	1/2	4 1/4	5/16	24 NF	9/16	...	S	Pln	103186
31	5/16	18 NC	1/2	4 1/2	5/16	24 NF	9/16	...	S	Pln	103187
32	3/8	16 NC	9/16	1 3/8	3/8	24 NF	5/8	...	S	Pln	103193
33	3/8	16 NC	9/16	1 3/8	3/8	24 NF	5/8	...	S	Cad	149510
34	3/8	16 NC	9/16	1 3/8	3/8	24 NF	5/8	...	S	Cad	113237
35	3/8	16 NC	9/16	1 7/8	3/8	24 NF	5/8	...	S	Pln	103195
36	3/8	16 NC	9/16	1 7/8	3/8	24 NF	5/8	...	S	Cad	113247
37	3/8	16 NC	9/16	1 11/16	3/8	24 NF	5/8	...	S	Pln	114937
38	3/8	16 NC	9/16	1 3/4	3/8	24 NF	5/8	...	S	Pln	103197
39	3/8	16 NC	9/16	2 1/16	3/8	24 NF	5/8	...	S	Pln	103198
40	3/8	16 NC	9/16	2 3/16	3/8	24 NF	5/8	...	S	Pln	103199
41	3/8	16 NC	9/16	2 1/2	3/8	24 NF	5/8	...	S	Pln	111674
42	3/8	16 NC	9/16	2 3/8	3/8	24 NF	5/8	...	S	Pln	103200

Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

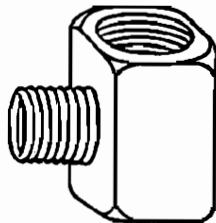
Specifications subject to change without notice.



GROUP 311 STUD (Cont'd)

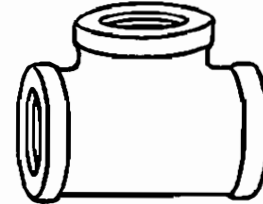
ITEM NO.	DIMENSIONS STUD END				NUT END				U.P.	MAT.	FIN.	PART NO.
	DIA.	THD.	THD. L.	L.	DIA.	THD.	THD. L.	L.				
43	3/8	16 NC	3/16	2 13/16	3/8	24 NF	5/8	...	S	Pln		103201
44	3/8	16 NC	3/16	3 1/16	3/8	24 NF	5/8	...	S	Pln		103202
45	3/8	16 NC	3/16	3 5/16	3/8	24 NF	5/8	...	S	Pln		103203
46	3/8	16 NC	3/16	4 5/16	3/8	24 NF	5/8	...	S	Pln	▼	103207
47	3/8	16 NC	3/16	4 13/16	3/8	24 NF	5/8	...	S	Pln		103209
48	3/8	16 NC	3/16	5 5/16	3/8	24 NF	5/8	...	S	Pln		103211
49	3/8	16 NC	3/16	5 9/16	3/8	24 NF	5/8	...	S	Pln		103212
50	3/8	16 NC	3/16	5 13/16	3/8	24 NF	5/8	...	S	Pln		111647
51	7/16	14 NC	1 1/16	1 3/4	7/16	20 NF	3/4	...	S	Pln		103216
52	7/16	14 NC	1 1/16	1 11/16	7/16	20 NF	3/4	...	S	Pln		103217
53	7/16	14 NC	1 1/16	1 13/16	7/16	20 NF	3/4	...	S	Pln		109426
54	7/16	14 NC	1 1/16	1 15/16	7/16	20 NF	3/4	...	S	Pln		103218
55	7/16	14 NC	1 1/16	2 1/16	7/16	20 NF	3/4	...	S	Pln		112210
56	7/16	14 NC	1 1/16	2 7/16	7/16	20 NF	3/4	...	S	Pln		103220
57	7/16	14 NC	1 1/16	2 11/16	7/16	20 NF	3/4	...	S	Pln		103221
58	7/16	14 NC	1 1/16	2 15/16	7/16	20 NF	3/4	...	S	Pln		103222
59	7/16	14 NC	1 1/16	3 7/16	7/16	20 NF	3/4	...	S	Pln		103224
60	7/16	14 NC	1 1/16	4 3/16	7/16	20 NF	3/4	...	S	Pln		103227
61	7/16	14 NC	1 1/16	4 7/16	7/16	20 NF	3/4	...	S	Pln		103228
62	1/2	13 NC	3/4	1 3/4	1/2	20 NF	1 1/16	...	S	Pln		103238
63	1/2	13 NC	3/4	1 7/8	1/2	20 NF	1 3/16	...	S	Cad		111635
64	1/2	13 NC	3/4	2 1/8	1/2	20 NF	1 3/16	...	S	Pln		112211
65	1/2	12 NC	3/4	2 1/4	1/2	20 NF	1 3/16	...	S	Pln		103240
66	1/2	13 NC	3/4	2 3/8	1/2	20 NF	1 3/16	...	S	Pln		112574
67	1/2	13 NC	3/4	2 1/2	1/2	20 NF	1 3/16	...	S	Pln		103241
68	1/2	13 NC	3/4	2 3/4	1/2	20 NF	1 3/16	...	S	Pln		103242
69	1/2	13 NC	3/4	3 1/4	1/2	20 NF	1 3/16	...	S	Pln		103244
70	1/2	13 NC	3/4	3 1/2	1/2	20 NF	1 3/16	...	S	Pln		103245
71	1/2	13 NC	3/4	4	1/2	20 NF	1 3/16	...	S	Pln		103247
72	1/2	13 NC	3/4	4 1/4	1/2	20 NF	1 3/16	...	S	Pln		103248
73	1/2	13 NC	3/4	4 1/2	1/2	20 NF	1 3/16	...	S	Pln	▼	103249
74	1/2	13 NC	3/4	4 3/4	1/2	20 NF	1 3/16	...	S	Pln		103250
75	1/2	13 NC	3/4	4 3/4	1/2	20 NF	1 3/16	...	S	Pkd		193460
76	9/16	12 NC	7/8	2 5/8	9/16	18 NF	7/8	...	S	Pln		103262
77	9/16	11 NC	15/16	2 7/16	9/16	18 NF	15/16	...	S	Pln		103282
78	9/16	11 NC	15/16	2 3/4	9/16	18 NF	15/16	...	S	Pln		112576
79	9/16	11 NC	15/16	3 1/16	9/16	18 NF	15/16	...	S	Pln		103287
80	9/16	11 NC	15/16	4 7/16	9/16	18 NF	15/16	...	S	Pln		103290
81	3/4	10 NC	1 1/8	3 1/8	3/4	16 NF	1 1/16	...	S	Pln		103305
82	3/4	10 NC	1 1/8	4 7/8	3/4	16 NF	1 1/16	...	S	Pln		103312

GROUP 312 TEE-INVERTED FLARED TUBE



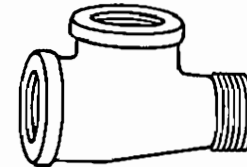
ITEM NO.	DIMENSIONS				U.P.	MAT.	PART NO.
	TUBE DIA.	TAPER THD.	THD.	THD.			
1	1/4	1/8	7/16-24	...	Br	143482	
2	5/16	1/8	1/2-20	...	Br	143483	

GROUP 313 TEE-PIPE



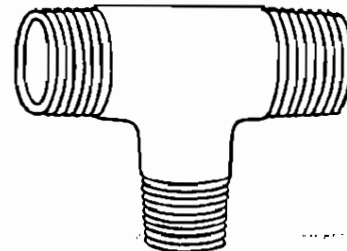
ITEM NO.	DIMENSIONS				U.P.	MAT.	FIN.	PART NO.
	TAPER THD.	THD.	THD.	THD.				
1	1/8	...	...	...	M.I.	Znc	▼144082
2	3/8	...	...	...	M.I.	Pln	120280
3	3/8	...	...	...	Br	Pln	120281
4	1/2	...	...	...	M.I.	Pln	138105
5	3/4	...	...	...	M.I.	Znc	144086
6	1	...	...	...	M.I.	Znc	144087

GROUP 314 TEE-STREET



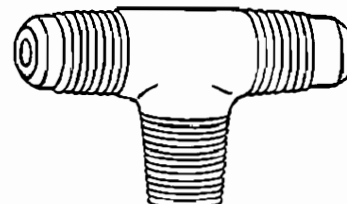
ITEM NO.	DIMENSIONS			U.P.	MAT.	FIN.	PART NO.
	PIPE THD.	L.	L.				
1	1/2	2 3/4	...	...	M.I.	Pln	▼190377

GROUP 315 TEE-TWO-WAY, BALL SLEEVE TUBING



ITEM NO.	DIMENSIONS				U.P.	MAT.	PART NO.
	TUBE DIA.	TAPER THD.	THD.	THD.			
1	3/16	1/8	1/2-24	...	...	Br	120167

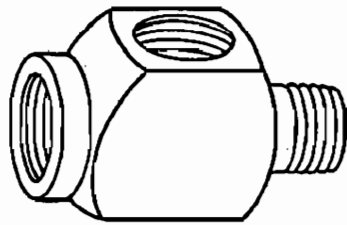
GROUP 316 TEE-TWO-WAY, FLARED TUBE



1	1/4	1/8	7/16-20	...	...	Br	118758
2	5/16	1/8	1/2-20	...	...	Br	118759
3	1/2	3/8	3/4-16	...	...	Br	118762

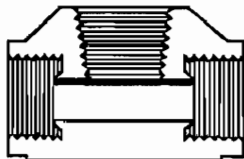


GROUP 317 TEE—TWO-WAY, INVERTED FLARED TUBE



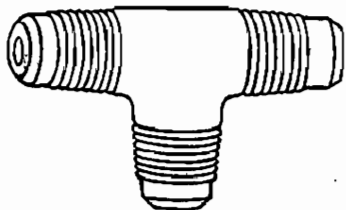
ITEM NO.	DIMENSIONS			U.P.	MAT.	PART NO.
	TUBE DIA.	TAPER THD.	THD.			
1	5/16	1/8	1/2-20	.....	Br	173203

GROUP 318 TEE—TWO-WAY, INVERTED FLARED TUBE, INTERNAL PIPE THREAD



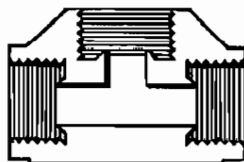
1	1/4	1/8	1/16-24	Br	▼178910
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GROUP 319 TEE—THREE-WAY, FLARED TUBE



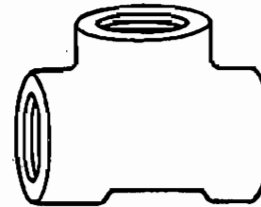
ITEM NO.	DIMENSIONS			U.P.	MAT.	PART NO.
	TUBE DIA.	THD.	THD.			
1	5/16	1/2-20	Br	118806	

GROUP 320 TEE—THREE-WAY, INVERTED FLARED TUBE



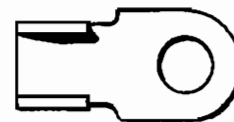
1	1/4	1/16-24	.....	Br	▼127927
2	1/4	1/16-24	.....	S	▼190153

GROUP 321 TEE—THREE-WAY, THREADED SLEEVE TUBING



ITEM NO.	DIMENSIONS			U.P.	MAT.	PART NO.
	TUBE DIA.	TAPER THD.	THD.			
1	3/16	1/8	3/8-24	.....	Br	142243

GROUP 322 TERMINAL—HEAVY END TYPE



ITEM NO.	DIMENSIONS			U.P.	MAT.	PART NO.
	HOLE DIA.	L.	THD.			
1	1 1/32	1 1/32	.....	Br	114062
2	9/32	1 1/32	.....	Br	150815
3	1 1/32	1 1/32	.....	Br	150742

GROUP 323 TERMINAL—ELECTRIC CABLE



1	3/32	1 3/8	5	▼150718
2	1 3/32	1 3/4		114021

GROUP 324 TERMINAL—MITRE TYPE



1	.144	1 3/16	.....	Br	150830
2	.174	7/8	12	Br	▼114037
3	.174	1 3/16	25	Br	▼114038
4	.220	7/8	.....	Br	140623
5	.258	7/8	.....	Br	114044
6	.325	7/8	12	Br	▼150720
7	.406	7/8	12	Br	▼114041
8	.406	7/8	25	Br	▼150670
9	.406	7/8	.....	Br	118681

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.



GROUP 325 TERMINAL—MITRE TYPE SPADE



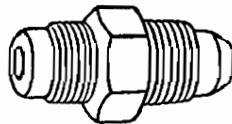
ITEM NO.	DIMENSIONS		U.P.	MAT.	PART NO.
	SLOT	L.			
1	.178	1	25	Cop	▼114084

GROUP 326 TERMINAL—TWO WIRE TYPE



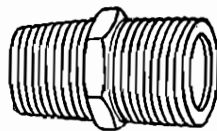
ITEM NO.	DIMENSIONS		U.P.	MAT.	PART NO.
	HOLE DIA.	L.			
1	.201	13/16	.....	S	114052

GROUP 327 UNION



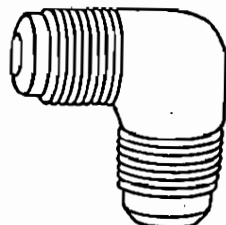
ITEM NO.	DIMENSIONS		U.P.	MAT.	PART NO.
	TUBE DIA.	THD.			
1	3/8	5/8-18	.....	Br	▼144323
2	1/2	3/4-16	.....	Br	▼144325
3	5/8	7/8-14	.....	Br	▼144326

GROUP 328 UNION—BALL SLEEVE TUBING



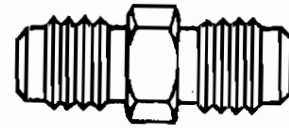
1	3/16	3/8-24	.....	Br	140295
2	5/16	1/2-24	.....	Br	191586
3	3/8	5/16-24	.....	Br	140297

GROUP 329 UNION—ELBOW, FLARED TUBE



1	5/16	1/2-20	.....	Br	118811
2	3/8	5/8-18	.....	Br	118812

GROUP 330 UNION—FLARED TUBE



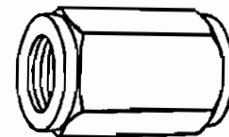
ITEM NO.	DIMENSIONS		U.P.	MAT.	PART NO.
	TUBE DIA.	THD.			
1	5/16	1/2-20	.....	Br	118801

GROUP 331 UNION—INVERTED FLARED TUBE



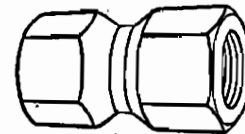
1	3/16	3/8-24	.....	Br	137412
2	1/4	7/16-24	.....	S	190152
3	1/4	7/16-24	.....	Br	137413
4	5/16	1/2-20	.....	Br	137414
5	5/16	1/2-20	.....	S	189951
6	3/8	5/8-18	.....	Br	137415
7	1/2	3/4-18	Br	137417

GROUP 332 UNION—THREADED SLEEVE TUBE



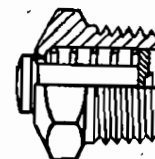
1	3/16	5/16-24	Br	119281
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GROUP 333 UNION—UNIVERSAL SELF CENTERING



1	3/16	3/8-27	Br	119882
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GROUP 334 VALVE—RELIEF, ASSEMBLY



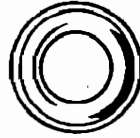
ITEM NO.	DIMENSIONS		U.P.	MAT.	PART NO.
	PIPE THD.	L.			
1	1/8	1 1/2	.....	S	▼106671

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

GROUP 335 WASHER—AIR GROMMET



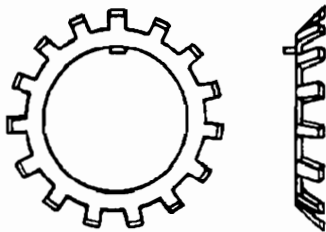
ITEM NO.	DIMENSIONS		U.P.	MAT.	PART NO.
	I.D.	O.D.			
1	13/64	29/64	.....	Br	190745
2	9/32	11/16	.....	Br	107333
3	3/8	27/32	.....	Br	120465
4	1/2	1 1/16	.....	Br	120472
5	1/2	1 1/16	8	Br	117887
6	5/8	1 3/16	.....	Br	140689

GROUP 336 WASHER—FINISH, COUNTERSUNK



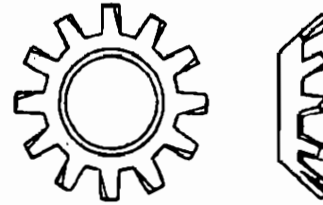
ITEM NO.	DIMENSIONS DIA.	U.P.	MAT.	FIN.	PART NO.
2	No. 4	.....	Br	NP	103349
3	No. 6	25	S	Pln	▼140258
4	No. 6	40	S	Cad	▼140239
5	No. 8	.....	S	Pln	112895
6	No. 8	.....	S	Cad	137526
7	No. 8	25	Br	Chr	▼140270
8	No. 10	12	Br	Chr	▼140271
9	No. 10	.....	Br	NP	147605
10	No. 12	12	Br	NP	▼103353
11	1/4	12	Br	Chr	▼121770
12	5/16	.....	Br	Chr	128335
13	3/8	.....	Br	Chr	134260

GROUP 337 WASHER—LOCK, BALL BEARING



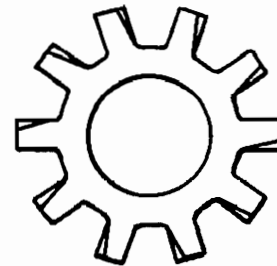
ITEM NO.	DIMENSIONS I.D.	U.P.	MAT.	FIN.	PART NO.

GROUP 338 WASHER—LOCK, COUNTERSUNK, EXTERNAL TEETH



ITEM NO.	BOLT-SIZE	I.D.	U.P.	MAT.	FIN.	PART NO.
2	No. 6	— .150	50	S	Cad	▼138589
3	No. 8	— .177	.....	S	Cad	138593
4	No. 10	— .205	40	S	Cad	138597
5	No. 10	— .205	.....	S	NP	120157
6	No. 12	— .231	30	S	Cad	▼138600
7	No. 12	— .231	.....	S	NP	120158
8	No. 14	— .267	30	S	Cad	▼138604
9	No. 16	— .287	.....	S	Cad	138609
10	5/16	— .333	25	S	Cad	▼134512
11	3/8	— .398	.....	S	Cad	138617
12	1/2	— .463	.....	S	Pln	114619

GROUP 339 WASHER—LOCK, EXTERNAL TEETH



1	No. 4	— .123	.....	S	Cad	138468
2	No. 6	— .150	60	S	Cad	▼138473
3	No. 6	— .150	15	S	Chr	▼138474
4	No. 6	— .150	.....	S	Pkd	138475
5	No. 8	— .176	80	S	Cad	▼121752
6	No. 10	— .204	60	S	Cad	▼138479
7	No. 12	— .231	.....	S	Cad	125751
8	1/4	— .267	60	S	Cad	121753
9	5/16	— .332	60	S	Cad	▼138485
10	3/8	— .398	40	S	Cad	▼138489
11	1/2	— .464	32	S	Cad	▼136857
12	1/2	— .530	20	S	Cad	▼135629
13	5/16	— .596	.....	S	Cad	138498
14	3/8	— .663	12	S	Cad	▼138502
15	3/4	— .795	6	S	Cad	▼138506
16	1/2	— .927	.....	S	Cad	138511
17	1	— 1.060	.....	S	Cad	138517

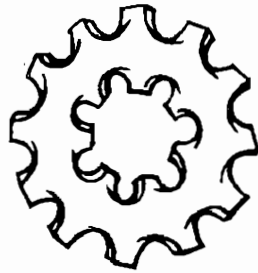
▼ indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.

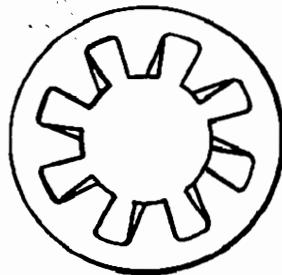


GROUP 340 WASHER—LOCK, EXTERNAL AND INTERNAL TEETH



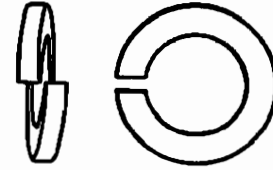
ITEM NO.	DIMENSIONS BOLT-SIZE	I.D.	U.P.	MAT.	FIN.	PART NO.
1	No. 6	.150	40	S	Cad	▼178349
2	No. 8	.176	40	S	Pkd	▼178363
3	No. 8	.176	50	S	Cad	▼178364
4	No. 10	.204	40	S	Pkd	▼178392
5	No. 10	.204	40	S	Cad	▼178378
6	No. 12	.231	25	S	Cad	▼178397
7	¼	.267	12	S	Cad	▼174916
8	⅜	.332	15	S	Cad	▼178532
9	⅜	.332	.....	S	Cad	▼178542
10	⅝	.398	8	S	Pkd	▼178555
11	⅝	.398	40	S	Cad	▼178551
12	⅝	.398	8	S	Cad	▼178556
13	⅝	.398	.....	S	Cad	▼178566
14	⅞	.460	5	S	Cad	▼178571
15	⅞	.460	5	S	Cad	▼178581
16	1½	.530	5	S	Cad	▼178591
17	1½	.530	5	S	Cad	▼178646
18	⅞	.596	5	S	Cad	▼178612
19	⅞	.663	5	S	Cad	▼178632

GROUP 341 WASHER—LOCK, INTERNAL TEETH



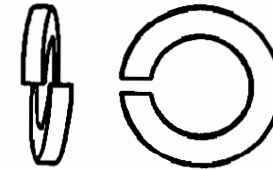
1	No. 2	.123	.....	S	Cad	▼188131
2	No. 6	.150	60	S	Pkd	▼138528
3	No. 8	.176	30	S	Cad	▼138530
4	⅜	.464	.....	S	Chr	121821
5	½	.530	.....	S	Pln	118975
6	½	.530	.....	S	NP	▼119001
7	⅞	.596	5	S	Chr	▼138554
8	⅞	.663	12	S	Cad	▼138557
9	¾	.795	.....	S	Cad	138561
10	⅞	.927	.....	S	Pln	138565

GROUP 342 WASHER—LOCK, HEAVY



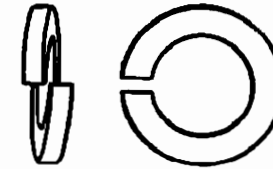
ITEM NO.	DIMENSIONS BOLT-SIZE	I.D.	U.P.	MAT.	FIN.	PART NO.
1	¼	.255	60	S	Cad	▼131098
2	½	.509	.....	S	Chr	131110
3	1¼	1.271	.....	S	Cad	131146
4	1½	1.5025	.....	S	Cad	131148

GROUP 343 WASHER—LOCK, LIGHT



1	1/16	.6995	6	S	Cad	131206
2	1½	1.5025	.....	S	Cad	131213

GROUP 344 WASHER—LOCK, MEDIUM



1	No. 4	.115	125	S	Cad	▼131043
2	No. 6	.141	125	S	Cad	▼131044
3	No. 6	.141	.....	S	Chr	121828
4	No. 6	.141	.....	S	NP	114646
5	No. 8	.168	125	S	Cad	▼121841
6	No. 10	.194	12	S	Chr	▼121635
7	No. 10	.194	125	S	Cad	▼120217
8	No. 12	.221	60	S	Cad	▼121744
9	No. 12	.221	.....	S	NP	115368
10	¼	.2550	100	S	Cad	▼120380
11	¼	.2550	.....	S	Chr	▼120631
12	⅜	.3185	80	S	Cad	▼120214
13	⅜	.3820	60	S	Cad	▼120332
14	⅞	.4455	40	S	Cad	▼120333
15	⅞	.4455	.....	S	Chr	131057
16	1½	.5090	30	S	Cad	▼120334
17	½	.5090	.....	S	Chr	120630
18	⅞	.5725	25	S	Cad	▼120898
19	⅞	.6360	20	S	Cad	▼121574
20	1/16	.6995	.....	S	Cad	131045
21	¾	.763	12	S	Cad	▼131046
22	⅞	.890	6	S	Cad	▼131047
23	1	1.017	.....	S	Cad	131048
24	1⅝	1.1440	.....	S	Pln	120731
25	1¼	1.271	.....	S	Cad	131050
26	1½	1.5025	24	S	Pkd	131078



GROUP 345 WASHER—PLAIN, LARGE



ITEM NO.	DIMENSIONS		I.D.	U.P.	MAT.	FIN.	PART NO.
	BOLT-SIZE						
1	3/4	—	5/16	.....	S	Pln	147697
2	5/16	—	3/8	125	S	Cad	▼120387
3	5/16	—	3/8	.....	S	Pkd	128051
4	1/2	—	3/16	30	S	Cad	▼120390
5	7/8	—	15/16	.....	S	Cad	131001

GROUP 346 WASHER—PLAIN, SMALL



ITEM NO.	DIMENSIONS		I.D.	U.P.	MAT.	FIN.	PART NO.
	BOLT-SIZE						
1	No. 6	—	5/32	125	S	Cad	▼131014
2	No. 8	—	3/16	.....	S	Cad	▼131015
3	No. 10	—	1/32	160	S	Cad	▼120391
4	1/4	—	9/32	125	S	Cad	▼120392
5	5/16	—	11/32	.....	S	NP	115054
6	3/8	—	19/32	80	S	Cad	▼120394
7	7/16	—	15/32	80	S	Cad	▼120395
8	1/2	—	17/32	.....	S	Cad	▼120396
9	9/16	—	19/32	30	S	Cad	▼121458
10	5/8	—	21/32	12	S	Cad	▼131016
11	3/4	—	13/16	8	S	Cad	▼131017
12	7/8	—	15/16	.....	S	Pln	103347
13	1 in	—	11/16	5	S	Cad	▼131019

▼Indicates Class "A" Parts.

For explanation of symbols and abbreviations used on this page, see Page 2

Specifications subject to change without notice.