

GROUP 18 - STANDARD PARTS

BALL - STEEL



The Standard Parts listed herein are furnished only in carton quantities, and should be ordered in these quantities or multiples thereof.

Plate 18-1

Diameter	Part No.	Ctn.	Qty.	Diameter	Part No.	Ctn.	Qty.
1/4	104 918	50		5/8	104 924	10	
5/16	104 919	50		7/8	104 927	5	
11/32	119 282	25					

BOLT - HEXAGON HEAD
National Coarse Thread

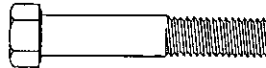


Plate 18-2

Length	Diameter & Thread									
	1/4-20		5/16-18		3/8-16		7/16-14		1/2-13	
	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.
1/2	180 016	50			180 116	25			180 166	25
5/8	180 018	100								
3/4	180 020	50	180 077	25			180 143	25		
1	180 022	50	180 079	25	180 122	25				
1-1/4	180 024	50	180 081	25	180 124	25	180 147	25	180 175	10
1-1/2	180 034	25	180 083	25	180 126	25	180 149	10		
1-3/4			181 094	25			180 151	10		
2					180 130	25			180 181	10
2-1/2	180 048	10	122 077	25			180 157	10		
3			180 113	10			180 160	10	180 190	10
3-3/4					186 284	10				
4			189 298	10	186 285	10	180 165	10		
5							272 406	50		

BOLT - HEXAGON HEAD
National Fine Thread

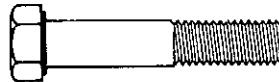


Plate 18-3

Length	Diameter & Thread											
	1/4-28		5/16-24		3/8-24		7/16-20		1/2-20		9/16-18	
	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.
1/2	181 561	50			181 627	25			181 683	25		
5/8			181 593	25								
3/4			181 595	25								
1	181 568	50	181 608	25	181 637	25			181 696	25		
1-1/4			181 610	25	181 639	25	181 668	25	181 698	10		
1-1/2			181 614	25	181 643	25	181 670	10	181 700	10	181 727	10
1-3/4	181 577	25			181 646	25	181 672	10	660 378	10		
2	181 579	25	181 620	25			181 674	10	181 705	10	181 731	10
2-1/4											181 732	10
2-1/2					181 650	10			181 709	10		
2-3/4			181 623	10								
3			182 703	10	181 652	10	181 678	10	181 711	10	181 735	10
4					186 310	10	181 680	10	182 788	10		
4-1/4							181 682	10	181 715	10	181 747	10
							187 612	10				

BUSHING
Pipe Reducing

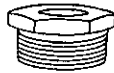


Plate 18-4

Ext. Thd.	Int. Thd.	Part No.	Carton Qty.
1/4	1/8	119 930	5
3/8	1/8	119 923	5
1/2	1/4	144 051	5
1/2	3/8	120 322	5

CONNECTOR
Flared Tube

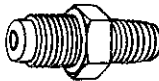


Plate 18-6

Diameter	Taper Thd.	Thread	Part No.	Carton Qty.
1/4	1/8	7/16-20	118 748	5
5/16	1/8	1/2-20	118 749	5
3/8	1/4	5/8-20	118 750	5
7/16	1/4	11/16-16	118 751	5
1/2	3/8	3/4-16	118 752	5

COUPLING - PIPE



Plate 18-8

Diameter & Thread	Part No.	Carton Qty.
1/8 x .96	105 408	5

ELBOW
Ball, Sleeve Tubing



Plate 18-10

Diameter	Taper Thd.	Thread	Part No.	Carton Qty.
1/4	1/8	7/16-24	114 632	10
5/16	1/8	1/2-24	114 633	10
3/8	1/4	9/16-24	140 305	10

ELBOW
Inverted Flared Tube, 45 Degree

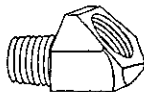


Plate 18-12

Diameter	Taper Thd.	Thread	Part No.	Carton Qty.
3/16	1/8	3/8-24	127 829	5
1/4	1/8	7/16-24	125 859	5
5/16	1/8	1/2-20	116 341	5
3/8	1/4	5/8-18	143 338	5

CONNECTOR
Ball Sleeve Tubing

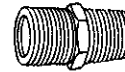


Plate 18-5

Tube Dia.	Taper Thd.	Thd. Size	Part No.	Carton Qty.
5/16	1/8	1/2-24	114 629	10

CONNECTOR
Inverted Flared Tube

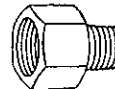


Plate 18-7

Diameter	Taper Thd.	Thread	Part No.	Carton Qty.
1/8	1/8	5/16-28	137 403	5
1/4	1/8	7/16-24	111 345	5
5/16	1/8	1/2-20	137 406	5
3/8	1/4	5/8-18	137 407	5
1/2	3/8	3/4-18	143 426	5

DRAIN COCK



Plate 18-9

Diameter	Part No.	Carton Qty.
1/4	103 647	5

ELBOW
Flared Tube



Plate 18-11

Diameter	Taper Thd.	Thread	Part No.	Carton Qty.
3/16	1/8	3/8-24	121 339	5

ELBOW
Inverted Flared Tube, 90 Degree



Plate 18-13

Diameter	Taper Thd.	Thread	Part No.	Carton Qty.
3/16	1/8	3/8-24	137 420	5
1/4	1/8	7/16-24	137 421	5
5/16	1/8	3/8-20	137 422	5
5/16	1/4	1/2-18	143 343	5
3/8	1/4	5/8-18	137 423	5
7/16	1/4	11/16-18	137 424	5
1/2	1/4		188 947	5

ELBOW
Pipe, 90 Degree



Plate 18-14

Diameter	Part No.	Carton Qty.
1/4	105 413	5

FITTING - LUBRICATING
Ball and Spring Type



Plate 18-17

Length	Diameter & Thread	Part No.	Carton Qty.
7/8	1/4-28	110 309	10
1	1/4-28	110 308	10

FITTING - LUBRICATING
Straight Type



Plate 18-19

Thread & Length	Part No.	Carton Qty.
1/8 x 43/64	9411 010	10

FITTING - LUBRICATING
Straight Type C



Plate 18-21

Length	Diameter & Thread	Part No.	Carton Qty.
1/2	1/4-20	110 347	10
11/16	1/4-20	111 595	10
15/16	1/4-20	125 846	5
1-1/8	1/4-20	128 274	5

GASKET
ANNULAR, TYPE A

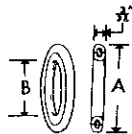


Plate 18-23

Dim. "A"	Dim. "B"	Part No.	Carton Qty.
1 1/8	.890	105 456	50

NIPPLE - PIPE

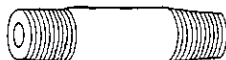


Plate 18-25

Diameter & Length	Part No.	Carton Qty.
1/4 x 1-1/2	144 596	5

FITTING - LUBRICATING



Plate 18-16

Thread & Length	Part No.	Carton Qty.
1/8 x 1-3/16 67-1/2°	109 365	5
1/8 x 1-13/16 90°	109 357	5

FITTING - LUBRICATING
Straight Drive Base



Plate 18-18

Diameter & Length	Part No.	Carton Qty.
.311 x 5/8	119 516	10

FITTING - LUBRICATING
Straight Type and Threaded Drive Type

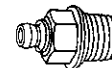


Plate 18-20

Diameter & Length	Part No.	Carton Qty.
1/8 x 23/32	9411 022	10

FITTING - LUBRICATING
Threaded Drive Type

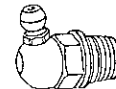


Plate 18-22

Length	Part No.	Carton Qty.
1 30°	145 434	10
47/64 85°	9411 025	10
25/32 67-1/2°	273 323	10

GASKET
ANNULAR, TYPE C



Plate 18-24

Dim. "A"	Dim. "B"	Part No.	Carton Qty.
25/32	.561	150 189	100

NUT
Flared Tube

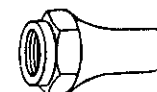


Plate 18-26

Tube Dia.	Thread	Part No.	Carton Qty.
5/16	1/2-20	118 538	5

NUT - HEXAGON



Plate 18-27

Diameter & Thread	Part No.	Carton Qty.
3/4-16	219 753	10

NUT - HEXAGON
Lock, Thin, Semi - Finished



Plate 18-29

Diameter & Thread	Part No.	Carton Qty.
5/8-18	145 013	10

NUT - HEXAGON
Ball Sleeve Tubing



Plate 18-31

Tube Dia.	Thread	Part No.	Carton Qty.
5/16	1/2-24	114 630	10
3/4	1-28	144 409	5

NUT - HEXAGON
Slotted, Standard Semi - Finished



Plate 18-33

Diameter & Thread	Part No.	Carton Qty.
3/8-24	125 233	50
7/16-20	128 014	50
9/16-18	128 178	25
5/8-18	128 027	25

NUT - HEXAGON
Standard, Semi-Finished National Fine Thread



Plate 18-35

Diameter & Thread	Part No.	Carton Qty.
1/4-28	120 367	50
5/16-24	120 368	50
3/8-24	114 547	25
3/8-24	120 369	50
7/16-20	271 506	50
1/2-20	120 371	50
9/16-18	124 634	25

NUT - HEXAGON



Plate 18-28

Diameter & Thread	Part No.	Carton Qty.
3/4-16	426 099	10

NUT - HEXAGON
Lock, Standard, Semi - Finished



Plate 18-30

Diameter & Thread	Part No.	Carton Qty.
7/16-14	126 012	50

NUT - HEXAGON
Common



Plate 18-32

Thread & Length	Part No.	Carton Qty.
No. 8-32	120 622	100
No. 10-24	151 497	100
No. 12-24	121 743	100

NUT - HEXAGON
Standard, Semi-Finished National Coarse Thread



Plate 18-34

Diameter & Thread	Part No.	Carton Qty.
1/4-20	120 375	50
5/16-18	120 376	50
3/8-16	120 377	50
7/16-14	271 501	50
1/2-13	120 378	50
9/16-12	124 583	25
5/8-11	124 589	25

NUT
Inverted Flared Tube



Plate 18-36

Tube Dia.	Thread	Part No.	Carton Qty.
3/16	3/8-24	137 396	50
1/4	7/16-24	137 397	50
5/16	1/2-20	137 398	25
3/8	5/8-18	137 399	25

NUT - HEXAGON
Tri-Slot, Semi-Finished



Plate 18-37

Diameter & Thread	Part No.	Carton Qty.
3/4-16	128 180	5

PIN - DOWEL

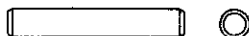


Plate 18-39

Diameter	Length	Part No.	Carton Qty.
1/4	2-1/4	141 210	10
5/16	2-1/4	141 232	10

PIN
Straight, Grooved



Plate 18-40

Diameter	Length	Part No.	Carton Qty.
1/4	1	142 520	10

PIN - COTTER
Split

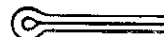


Plate 18-38

Length	Diameter	Part No.	Carton Qty.
1/2	3/64	114 856	100
3/4	3/32	103 373	100
7/8	1/8	108 630	100
1	1/16	103 363	100
1	5/32	103 396	100
1-1/8	3/32	108 636	100
1-3/8	1/16	108 640	100
1-5/8	1/8	119 209	100
1-5/8	5/32	119 210	100
1-5/8	3/16	137 254	100
1-3/4	1/8	190 381	100
1-3/4	5/32	103 399	100
2-1/2	3/32	103 380	100
3	3/16	103 415	50

PLUG - BUTTON

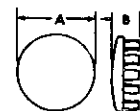


Plate 18-41

Dim. "A"	Dim. "B"	Part No.	Carton Qty.
1	19/64	142 093	10

PLUG - EXPANSION



Plate 18-42

Diameter	Part No.	Carton Qty.
5/8	103 891	25
3/4	103 892	25
13/16	105 602	25
7/8	103 893	25
15/16	117 919	25
1-1/16	117 920	10

Diameter	Part No.	Carton Qty.
1-1/8	106 517	10
1-3/16	140 690	10
1-3/16	117 921	10
1-1/4	179 380	10
1-3/8	117 923	10
1-1/2	103 896	10
1-5/8	117 924	10
1-5/8	140 802	10
1-3/4	103 897	10
1-7/8	114 564	10
2	140 089	10

PLUG - PIPE
Countersunk Headless



Plate 18-43

Diameter & Thread	Part No.	Carton Qty.
1/2-14	103 874	5
3/8-18	143 162	10
3/4-14	103 875	5

PLUG - PIPE
Square Head, Hollow

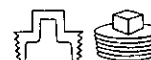


Plate 18-46

Diameter & Thread	Part No.	Carton Qty.
3/8-18	112 304	5
1/2-14	103 868	10
3/4-14	103 869	5

PLUG - PIPE
Slotted Headless



Plate 18-45

Diameter & Thread	Part No.	Carton Qty.
1/8-27	118 831	10
3/8-18	115 711	10

RING



Plate 18-48

Dim. "A"	Dim. "B"	Part No.	Carton Qty.
.990	.0605	200 434	24

RIVET
Solid, Round Head

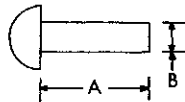


Plate 18-50

Dim. "A"	Dim. "B"	Part No.	Carton Qty.
5/8	3/16	108 682	100

RIVET - TUBULAR
Oval Head, Drilled

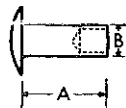


Plate 18-52

Dim. "A"	Dim. "B"	Part No.	Carton Qty.
9/64	1/4	118 140	100
3/16	3/32	131 284	100

SCREW - FILLISTER HEAD
Cross Recess, National Coarse Thread



Plate 18-54

Diameter & Thread	Length	Part No.	Carton Qty.
No. 10-24	7/16	153 241	100

SCREW
Fillister Head, Slotted



Plate 18-56

Diameter & Thread	Length	Part No.	Carton Qty.
1/4-20	2-1/2	132 300	100

PLUG - PIPE
Square Head, Solid



Plate 18-47

Diameter & Thread	Part No.	Carton Qty.
1/8-27	143 932	25
1/4-18	143 933	25

RIVET - TUBULAR
Flat Head, Countersunk

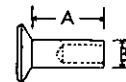


Plate 18-49

Dim. "A"	Dim. "B"	Part No.	Carton Qty.
9/32	9/64	121 573	100
13/32	3/16	114 518	100

RIVET
Split, Oval Head



Plate 18-51

Diameter	Length	Part No.	Carton Qty.
9/64	7/16	113 194	100

SCREW - TAPPING
Cross Recess, National Coarse Thread

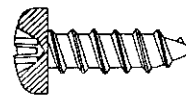


Plate 18-53

Diameter & Thread	Length	Part No.	Carton Qty.
No. 14-10	3/4	162 077	100

SCREW - FILLISTER HEAD
Cross Recess, National Fine Thread

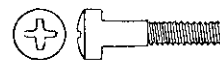


Plate 18-55

Diameter & Thread	Length	Part No.	Carton Qty.
No. 10-32	1/2	153 421	100
	1-1/2	153 479	50

SCREW - FLAT HEAD

Cross Recess, National Coarse Thread

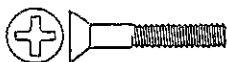


Plate 18-57

Length	Diameter & Thread									
	No. 6-32		No. 8-32		No. 10-24		No. 12-24		1/4-20	
	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.
3/16			155 864	100						
1/4	155 830	100								
1/2			155 886	100			156 094	100		
5/8									156 250	100
1					155 954	100				

SCREW - FLAT HEAD

Cross Recess, National Fine Thread

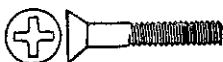


Plate 18-58

Length	Diameter & Thread			
	No. 10-32		5/16-24	
	Part No.	Carton Qty.	Part No.	Carton Qty.
1/2	156 009	100		
1	156 033	100	178 837	50

SCREW - OVAL HEAD

Cross Recess, National Coarse Thread



Plate 18-59

Length	Diameter & Thread									
	No. 8-32		No. 10-24		No. 12-24		1/4-20		5/16-18	
	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.
7/16			156 960	100						
1/2	156 771	50	156 963	100	157 277	100	157 391	100		
5/8	147 762	50	148 109	100						
3/4	186 575	100			157 297	100	157 402	100		
1							157 444	100		
1-1/2	156 831	50								

SCREW - ROUND HEAD

Cross Recess, National Coarse Thread

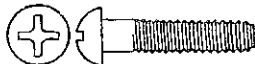


Plate 18-61

Length	Diameter & Thread											
	No. 4-40		No. 6-32		No. 8-32		No. 10-24		No. 12-24		1/4-20	
	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.	Part No.	Carton Qty.
1/4	154 921	100	154 959	100								
5/16					155 028	100						
1/2			154 987	100	155 043	100	155 113	100				
3/4									155 278	100	155 348	100
1					188 764	25						

SCREW - ROUND HEAD
Cross Recess, National Fine Thread

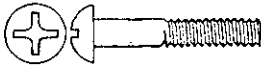


Plate 18-62

Diameter & Thread	Length	Part No.	Carton Qty.
No. 10-32	5/16	155 178	100
No. 10-32	1/2	155 194	100

STUD



Plate 18-64

Stud End	Nut End	Length	Part No.	Ctn. Qty.
3/8-16	3/8-24	3-5/16	103 203	5
3/8-16	3/8-24	5-13/16	111 647	5

WASHER - LOCK



Plate 18-66

Bolt Size	Part No.	Carton Qty.
1/4	120 380	100
5/16	120 214	100
3/8	120 382	100
1/2	120 384	100
9/16	120 898	50
5/8	121 574	50

WASHER - LOCK
External Teeth



Plate 18-68

Bolt Size	Part No.	Carton Qty.
1/4	121 753	100
5/16	138 485	100
3/8	138 489	100
7/16	136 857	50
1/2	135 629	100
9/16	138 498	50
5/8	138 502	50

SLEEVE

Ball Sleeve Tubing



Plate 18-63

Diameter	Part No.	Carton Qty.
1/4	114 628	25
5/16	114 631	25
3/8	114 624	25
3/4	125 654	25

WASHER - LOCK

Countersunk, External Tooth

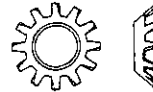


Plate 18-65

Bolt Size	I. D.	Part No.	Carton Qty.
3/8	.398	138 617	100

WASHER - LOCK

External and Internal Teeth

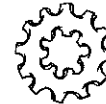


Plate 18-67

Bolt Size	Part No.	Carton Qty.
1/4	174 916	50
5/16	178 532	50
7/16	178 571	50
9/16	178 612	25
5/8	178 632	25

WASHER - PLAIN

Small

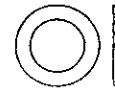


Plate 18-70

Bolt Size	Part No.	Carton Qty.
1/4	120 392	100
5/16	120 387	100
3/8	120 394	100
7/16	120 395	100
1/2	120 396	50
9/16	121 458	50
5/8	131 016	50

WASHER - PLAIN

Large



Plate 18-69

Bolt Size	Part No.	Carton Qty.
1/4	147 697	100
5/16	120 387	100
3/8	128 051	50
1/2	126 335	50