

Alpine Supply

We have Connections!

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ASTM AND SAE GRADE MARKINGS FOR STEEL BOLTS & SCREWS

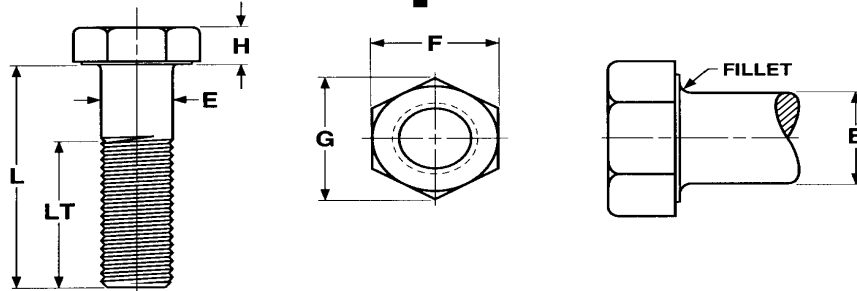
SIZE	COARSE UNC	FINE UNF	8 THRD. MAJOR SERIES	BASIC MAJOR DIAM.
1"	8	12 14	8	1.000
1-1/8	7	12	8	1.125
1-1/4	7	12	8	1.250
1-3/8	6	12	8	1.375
1-1/2	6	12	8	1.500
1-5/8	5-1/2		8	1.625
1-3/4	5		8	1.750
1-7/8	5		8	1.875
2	4-1/2		8	2.000
2-1/4	4-1/2		8	2.250
2-1/2	4		8	2.500
2-3/4	4		8	2.750
3	4		8	3.000
3-1/4	4		8	3.250
3-1/2	4		8	3.500
3-3/4	4		8	3.750
4	4		8	4.000

SIZE	COARSE UNC	FINE UNF	BASIC MAJOR DIAM.
0		80	.0600
1	64	72	.0730
2	56	64	.0860
3	48	56	.0990
4	40	48	.1120
5	40	44	.1250
6	32	40	.1380
8	32	36	.1640
10	24	32	.1900
12	24	28	.2160
1/4	20	28	.2500
5/16	18	24	.3125
3/8	16	24	.3750
7/16	14	20	.4375
1/2	13	20	.5000
9/16	12	18	.5625
5/8	11	18	.6250
3/4	10	16	.7500
7/8	9	14	.8750

Grade Marking	Specification	Material	Bolt and Screw Size, in.	Proof Load, psi	Tensile Strength min. psi
	SAE—J429 Grade 1 ASTM—A307	Low or Medium Carbon Steel	1/2 thru 1 1/2 1/2 thru 4	33,000	60,000
	SAE—J429 Grade 2 SAE—J429 Grade 5 ASTM—A449	Low or Medium Carbon Steel Medium Carbon Steel Quenched and Tempered	1/2 thru 1/2 Over 1/2 thru 1 1/2 1/2 thru 1 Over 1 thru 1 1/2 Over 1 1/2 thru 3	55,000 33,000 85,000 74,000 85,000 74,000 55,000	74,000 60,000 120,000 105,000 120,000 105,000 90,000
	ASTM—A325 Type 1	Medium Carbon Steel Quenched and Tempered	1/2 thru 1	85,000	120,000
	ASTM—A325 Type 3	Weather Resistant Steel, Quenched and Tempered	1 1/2 thru 1 1/2	74,000	105,000
	ASTM—A354 Grade BB	Low Alloy Steel, Quenched and Tempered	1/2 thru 2 1/2 Over 2 1/2 thru 4	80,000 75,000	105,000 100,000
	ASTM—A354 Grade BC	Low Alloy Steel, Quenched and Tempered	1/2 thru 2 1/2 Over 2 1/2 thru 4	105,000 95,000	125,000 115,000
	SAE—J429 Grade 8 ASTM—A354 Grade BD	Medium Carbon Alloy Steel, Quenched and Tempered Alloy Steel, Quenched and Tempered	1/2 thru 1 1/2	120,000	150,000
	ASTM—A490	Alloy Steel, Quenched and Tempered	1/2 thru 1 1/2	120,000	150,000

THREADS PER INCH

Hex Cap Screws



Nominal or Basic Product Dia.	E		F			G		H			R	LT		
	Body Diameter		Width Across Flats			Width Across Corners		Head Height			Radius of Fillet	Thread	Length	
	Max.	Min.	Basic	Max.	Min.	Max.	Min.	Basic	Max.	Min.		Min.	For Screw Lengths ≤ 6 in.	For Screw Lengths > 6 in.
1/4	0.2500	0.2500	0.2450	7/16	0.438	0.428	0.505	0.488	5/32	0.163	0.150	0.015	0.750	1.000
5/16	0.3125	0.3125	0.3065	1/2	0.500	0.489	0.577	0.557	13/64	0.211	0.195	0.015	0.875	1.125
3/8	0.3750	0.3750	0.3690	9/16	0.562	0.551	0.650	0.628	15/64	0.243	0.226	0.015	1.000	1.250
7/16	0.4375	0.4375	0.4305	5/8	0.625	0.612	0.722	0.698	9/32	0.291	0.272	0.015	1.125	1.375
1/2	0.5000	0.5000	0.4930	3/4	0.750	0.736	0.866	0.840	5/16	0.323	0.302	0.015	1.250	1.500
9/16	0.5625	0.5625	0.5545	13/16	0.812	0.798	0.938	0.910	23/64	0.371	0.348	0.020	1.375	1.625
5/8	0.6250	0.6250	0.6170	15/16	0.938	0.922	1.083	1.051	25/64	0.403	0.378	0.020	1.500	1.750
3/4	0.7500	0.7500	0.7410	1-1/8	1.125	1.100	1.299	1.254	15/32	0.483	0.455	0.020	1.750	2.000
7/8	0.8750	0.8750	0.8660	1-5/16	1.312	1.285	1.516	1.465	35/64	0.563	0.531	0.040	2.000	2.250
1	1.0000	1.0000	0.9900	1-1/2	1.500	1.469	1.732	1.675	39/64	0.627	0.591	0.060	2.250	2.500
1-1/8	1.1250	1.1250	1.1140	1-11/16	1.688	1.631	1.949	1.859	11/16	0.718	0.658	0.060	2.500	2.750
1-1/4	1.2500	1.2500	1.2390	1-7/8	1.875	1.812	2.165	2.066	25/32	0.813	0.749	0.060	2.750	3.000
1-3/8	1.3750	1.3750	1.3630	2-1/6	2.062	1.994	2.382	2.273	27/32	0.878	0.810	0.060	3.000	3.250
1-1/2	1.5000	1.5000	1.4880	2-1/4	2.250	2.175	2.598	2.480	15/16	0.974	0.902	0.060	3.250	3.500

Abstract of SAE J429 1985

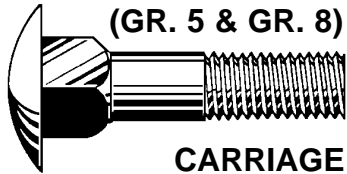
Mechanical and Material Requirements for Grades 2, 5 & 8 Hex Head Cap Screws

Grade Designation	Products	Nominal Size Dia., In.	Full Size Bolts, Screws Studs, Sems		Machine Test Specimens of Bolts, Screws and Studs				Surface Hardness	Core Hardness		Grade Identification Marking L
			Proof Load (Stress) psi	Tensile Strength (Stress) Min., psi	Yield Strength (Stress) Min., psi	Tensile Strength (Stress) Min., psi	Elongation Min., %	Reduction of Area Min., %		Rockwell 30N Max.	Rockwell Min.		Rockwell Max.
2	Bolts, Screws, Studs	1/4 thru 3/4	55,000	74,000	57,000	74,000	18	35	—	B80	B100	None
		Over 3/4 to 1-1/2	33,000	60,000	36,000	60,000	18	35	—	B70	B100	
5	Bolts, Screws, Studs	1/4 thru 1	85,000	120,000	92,000	120,000	14	35	54	C25	C34	—
		Over 1 to 1-1/2	74,000	105,000	81,000	105,000	14	35	50	C19	C30	
8	Bolts, Screws, Studs	1/4 thru 1-1/2	120,000	150,000	130,000	150,000	12	35	58.6	C33	C39	⊛

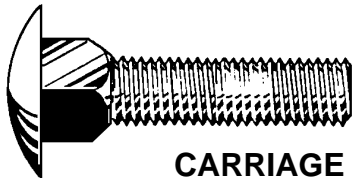
BOLTS



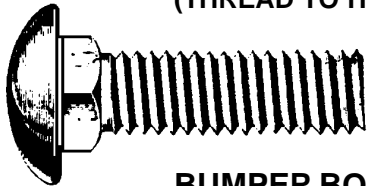
**HEX HEAD CAP SCREWS
(GR. 5 & GR. 8)**



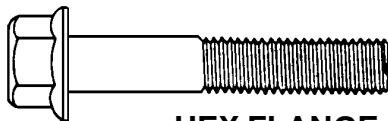
CARRIAGE BOLT



**CARRIAGE BOLT
(THREAD TO HEAD)**



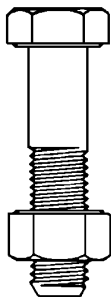
BUMPER BOLT



HEX FLANGE BOLT



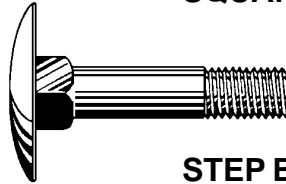
TAP BOLT



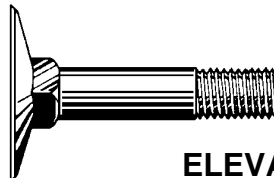
STRUCTURAL GRADE



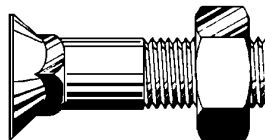
SQUARE HEAD



STEP BOLT



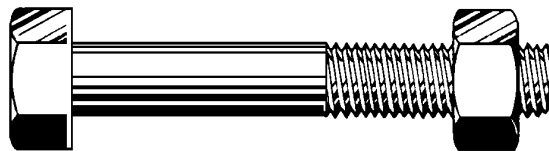
ELEVATOR BOLT



PLOW BOLT



LAG BOLT



**HEX BOLT
(LONG BOLTS)**



ALLEN HEAD CAP SCREWS

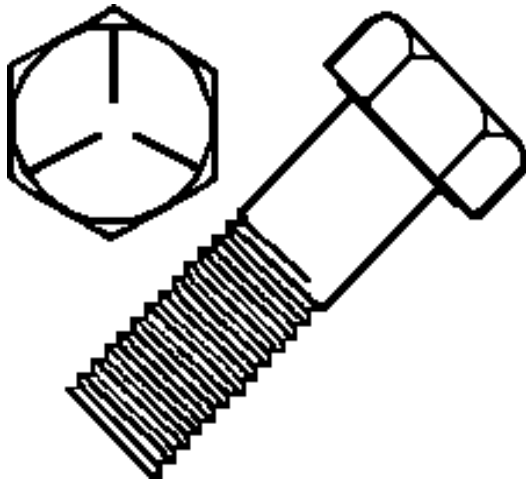
SOME ITEMS AVAILABLE IN METRIC

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GRADE 5 BOLTS

1/4 USS/SAE GRADE 5 PLATED BOLTS



1C H5 P05 0	1/4-20X1/2
1C H5 P06 2	1/4-20X5/8
1C H5 P07 5	1/4-20X3/4
1C H5 P08 7	1/4-20X7/8
1C H5 P10 0	1/4-20X1
1C H5 P12 5	1/4-20X1 1/4
1C H5 P15 0	1/4-20X1 1/2
1C H5 P17 5	1/4-20X1 3/4
1C H5 P20 0	1/4-20X2
1C H5 P22 5	1/4-20X2 1/4
1C H5 P25 0	1/4-20X2 1/2
1C H5 P27 5	1/4-20X2 3/4
1C H5 P30 0	1/4-20X3
1C H5 P32 5	1/4-20X3 1/4
1C H5 P35 0	1/4-20X3 1/2
1C H5 P37 5	1/4-20X3 3/4
1C H5 P40 0	1/4-20X4
1C H5 P45 0	1/4-20X4 1/2
1C H5 P50 0	1/4-20X5
1C H5 P55 0	1/4-20X5 1/2
1C H5 P60 0	1/4-20X6

┌ 1 = USS
└ 2 = SAE

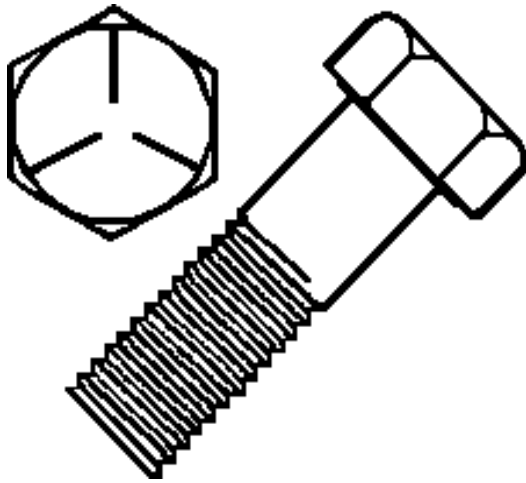
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 5 BOLTS

5/16 USS/SAE GRADE 5 BOLT PLATED



1D H5 P05 0	5/16-18X1/2
1D H5 P06 2	5/16-18X5/8
1D H5 P07 5	5/16-18X3/4
1D H5 P08 7	5/16-18X7/8
1D H5 P10 0	5/16-18X1
1D H5 P12 5	5/16-18X1 1/4
1D H5 P15 0	5/16-18X1 1/2
1D H5 P17 5	5/16-18X1 3/4
1D H5 P20 0	5/16-18X2
1D H5 P22 5	5/16-18X2 1/4
1D H5 P25 0	5/16-18X2 1/2
1D H5 P27 5	5/16-18X2 3/4
1D H5 P30 0	5/16-18X 3
1D H5 P32 5	5/16-18X3 1/4
1D H5 P35 0	5/16-18X3 1/2
1D H5 P37 5	5/16-18X3 3/4
1D H5 P40 0	5/16-18X4
1D H5 P45 0	5/16-18X4 1/2
1D H5 P50 0	5/16-18X5
1D H5 P55 0	5/16-18X5 1/2
1D H5 P60 0	5/16-18X6

L
1 = USS
2 = SAE

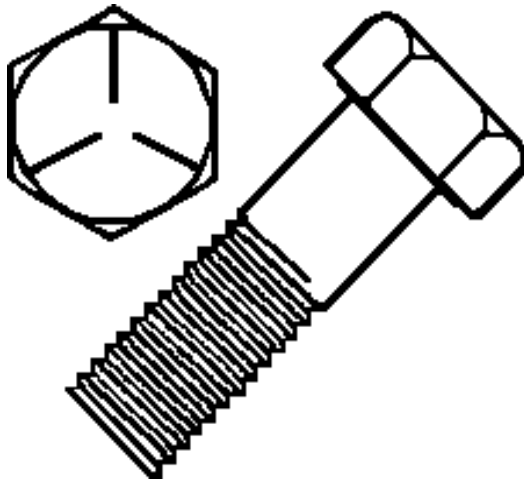
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 5 BOLTS

3/8 USS/SAE GRADE 5 BOLT PLATED



1E H5 P05 0	3/8-16X1/2
1E H5 P06 2	3/8-16X5/8
1E H5 P07 5	3/8-16X3/4
1E H5 P08 7	3/8-16X7/8
1E H5 P10 0	3/8-16X1
1E H5 P12 5	3/8-16X1 1/4
1E H5 P15 0	3/8-16X1 1/2
1E H5 P17 5	3/8-16X1 3/4
1E H5 P20 0	3/8-16X2
1E H5 P22 5	3/8-16X2 1/4
1E H5 P25 0	3/8-16X2 1/2
1E H5 P27 5	3/8-16X2 3/4
1E H5 P30 0	3/8-16X3
1E H5 P32 5	3/8-16X3 1/4
1E H5 P35 0	3/8-16X3 1/2
1E H5 P37 5	3/8-16X3 3/4
1E H5 P40 0	3/8-16X4
1E H5 P45 0	3/8-16X4 1/2
1E H5 P50 0	3/8-16X5
1E H5 P55 0	3/8-16X5 1/2
1E H5 P60 0	3/8-16X6

┌ 1 = USS
└ 2 = SAE

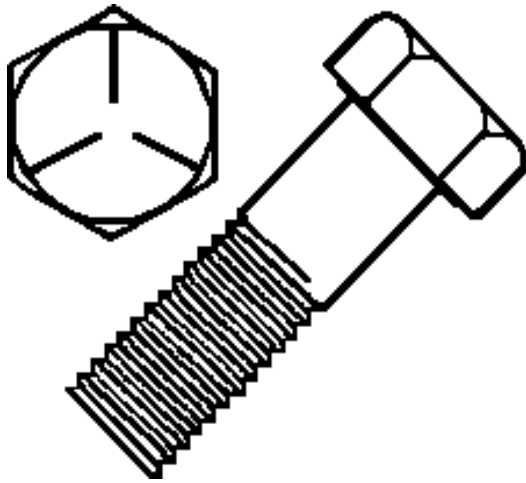
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 5 BOLTS

7/16 USS/SAE GRADE 5 BOLT PLATED



1F H5 P07 5	7/16-14X3/4
1F H5 P10 0	7/16-14X1
1F H5 P12 5	7/16-14X1 1/4
1F H5 P15 0	7/16-14X1 1/2
1F H5 P17 5	7/16-14X1 3/4
1F H5 P20 0	7/16-14X2
1F H5 P22 5	7/16-14X2 1/4
1F H5 P25 0	7/16-14X2 1/2
1F H5 P27 5	7/16-14X2 3/4
1F H5 P30 0	7/16-14X3
1F H5 P32 5	7/16-14X3 1/4
1F H5 P35 0	7/16-14X3 1/2
1F H5 P37 5	7/16-14X3 3/4
1F H5 P40 0	7/16-14X4
1F H5 P45 0	7/16-14X4 1/2
1F H5 P50 0	7/16-14X5
1F H5 P55 0	7/16-14X5 1/2
1F H5 P60 0	7/16-14X6

┌ 1 = USS
└ 2 = SAE

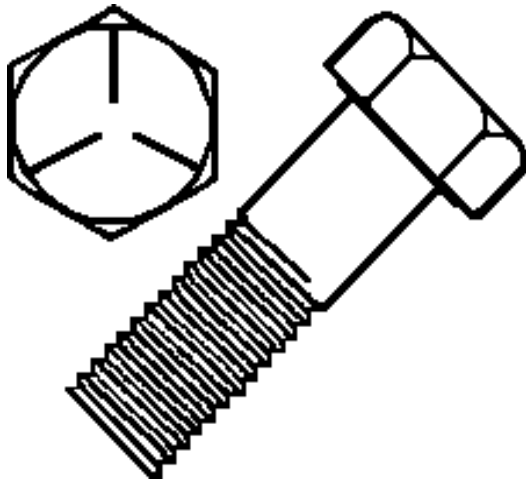
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 5 BOLTS

1/2 USS/SAE GRADE 5 PLATED BOLTS



1G H5 P07 5	1/2-13X3/4
1G H5 P10 0	1/2-13X1
1G H5 P12 5	1/2-13X1 1/4
1G H5 P15 0	1/2-13X1 1/2
1G H5 P17 5	1/2-13X1 3/4
1G H5 P20 0	1/2-13X2
1G H5 P22 5	1/2-13X2 1/4
1G H5 P25 0	1/2-13X2 1/2
1G H5 P27 5	1/2-13X2 3/4
1G H5 P30 0	1/2-13X3
1G H5 P32 5	1/2-13X3 1/4
1G H5 P35 0	1/2-13X3 1/2
1G H5 P37 5	1/2-13X3 3/4
1G H5 P40 0	1/2-13X4
1G H5 P45 0	1/2-13X4 1/2
1G H5 P50 0	1/2-13X5
1G H5 P55 0	1/2-13X5 1/2
1G H5 P60 0	1/2-13X6

┌ 1 = USS
└ 2 = SAE

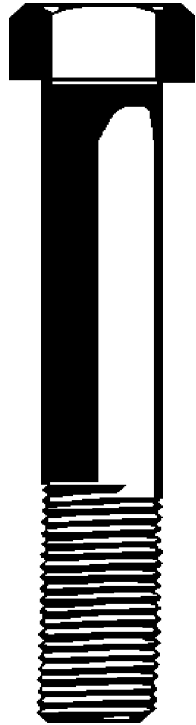
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

TIE DOWN BOLTS

1/2 USS GRADE 2 PLAIN BOLTS



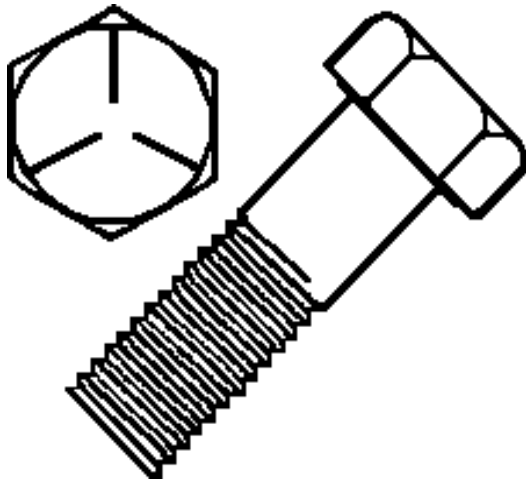
1G H2 BX1 4	1/2-13X14"
1G H2 BX1 5	1/2-13X15"
1G H2 BX1 6	1/2-13X16"
1G H2 BX1 7	1/2-13X17"
1G H2 BX1 8	1/2-13X18"
1G H2 BX1 9	1/2-13X19"
1G H2 BX2 0	1/2-13X20"
1G H2 BX2 1	1/2-13X21"
1G H2 BX2 2	1/2-13X22"
1G H2 BX2 3	1/2-13X23"

Alpine Supply

We have Connections!

GRADE 5 BOLTS

9/16 USS/SAE GRADE 5 PLATED BOLTS



1H H5 P10 0	9/16-12X1
1H H5 P12 5	9/16-12X1 1/4
1H H5 P15 0	9/16-12X1 1/2
1H H5 P17 5	9/16-12X1 3/4
1H H5 P20 0	9/16-12X2
1H H5 P22 5	9/16-12X2 1/4
1H H5 P25 0	9/16-12X2 1/2
1H H5 P27 5	9/16-12X2 3/4
1H H5 P30 0	9/16-12X3
1H H5 P35 0	9/16-12X3 1/2
1H H5 P40 0	9/16-12X4
1H H5 P45 0	9/16-12X4 1/2
1H H5 P50 0	9/16-12X5
1H H5 P55 0	9/16-12X5 1/2
1H H5 P60 0	9/16-12X6

┌ 1 = USS
└ 2 = SAE

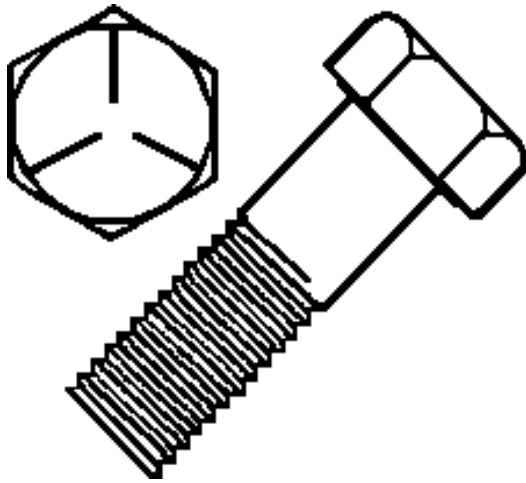
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 5 BOLTS

5/8 USS/SAE GRADE 5 PLATED BOLTS



1J H5 P10 0	5/8-11X1
1J H5 P12 5	5/8-11X1 1/4
1J H5 P15 0	5/8-11X1 1/2
1J H5 P17 5	5/8-11X1 3/4
1J H5 P20 0	5/8-11X2
1J H5 P22 5	5/8-11X2 1/4
1J H5 P25 0	5/8-11X2 1/2
1J H5 P27 5	5/8-11X2 3/4
1J H5 P30 0	5/8-11X3
1J H5 P32 5	5/8-11X3 1/4
1J H5 P35 0	5/8-11X3 1/2
1J H5 P37 5	5/8-11X3 3/4
1J H5 P40 0	5/8-11X4
1J H5 P45 0	5/8-11X4 1/2
1J H5 P50 0	5/8-11X5
1J H5 P55 0	5/8-11X5 1/2
1J H5 P60 0	5/8-11X6
1J H5 P65 0	5/8-11X6 1/2
1J H5 P70 0	5/8-11X7
1J H5 P75 0	5/8-11X7 1/2
1J H5 P80 0	5/8-11X8

┌ 1 = USS
└ 2 = SAE

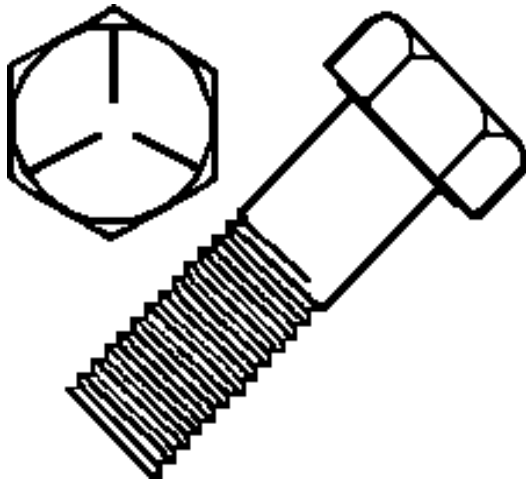
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 5 BOLTS

3/4 USS/SAE GRADE 5 PLATED BOLTS



1K H5 P10 0	3/4-10X1
1K H5 P12 5	3/4-10X1 1/4
1K H5 P15 0	3/4-10X1 1/2
1K H5 P17 5	3/4-10X1 3/4
1K H5 P20 0	3/4-10X2
1K H5 P22 5	3/4-10X2 1/4
1K H5 P25 0	3/4-10X2 1/2
1K H5 P27 5	3/4-10X2 3/4
1K H5 P30 0	3/4-10X3
1K H5 P32 5	3/4-10X3 1/4
1K H5 P35 0	3/4-10X3 1/2
1K H5 P37 5	3/4-10X3 3/4
1K H5 P40 0	3/4-10X4
1K H5 P45 0	3/4-10X4 1/2
1K H5 P50 0	3/4-10X5
1K H5 P55 0	3/4-10X5 1/2
1K H5 P60 0	3/4-10X6
1K H5 P65 0	3/4-10X6 1/2
1K H5 P70 0	3/4-10X7
1K H5 P75 0	3/4-10X7 1/2
1K H5 P80 0	3/4-10X8

┌ 1 = USS
└ 2 = SAE

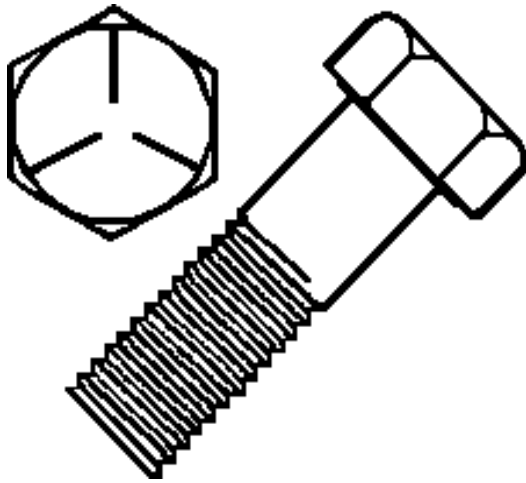
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 5 BOLTS

7/8 USS/SAE GRADE 5 PLATED BOLTS



1L H5 P15 0	7/8-9X1 1/2
1L H5 P17 5	7/8-9X1 3/4
1L H5 P20 0	7/8-9X2
1L H5 P22 5	7/8-9X2 1/4
1L H5 P25 0	7/8-9X2 1/2
1L H5 P27 5	7/8-9X2 3/4
1L H5 P30 0	7/8-9X3
1L H5 P32 5	7/8-9X3 1/4
1L H5 P35 0	7/8-9X3 1/2
1L H5 P37 5	7/8-9X3 3/4
1L H5 P40 0	7/8-9X4
1L H5 P45 0	7/8-9X4 1/2
1L H5 P50 0	7/8-9X5
1L H5 P55 0	7/8-9X5 1/2
1L H5 P60 0	7/8-9X6
1L H5 P65 0	7/8-9X6 1/2
1L H5 P70 0	7/8-9X7
1L H5 P75 0	7/8-9X7 1/2
1L H5 P80 0	7/8-9X8

┌ 1 = USS
└ 2 = SAE

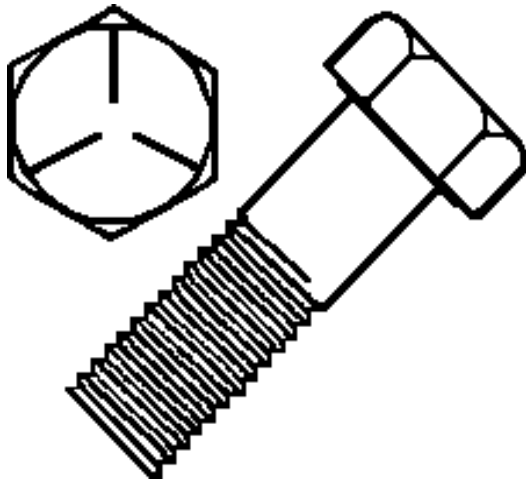
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 5 BOLTS

1 USS/SAE GRADE 5 PLATED BOLTS



1M H5 P20 0	1-8X2
1M H5 P22 5	1-8X2 1/4
1M H5 P25 0	1-8X2 1/2
1M H5 P27 5	1-8X2 3/4
1M H5 P30 0	1-8X3
1M H5 P32 5	1-8X3 1/4
1M H5 P35 0	1-8X3 1/2
1M H5 P37 5	1-8X3 3/4
1M H5 P40 0	1-8X4
1M H5 P45 0	1-8X4 1/2
1M H5 P50 0	1-8X5
1M H5 P55 0	1-8X5 1/2
1M H5 P60 0	1-8X6
1M H5 P65 0	1-8X6 1/2
1M H5 P70 0	1-8X7
1M H5 P75 0	1-8X7 1/2
1M H5 P80 0	1-8X8

└ 1 = USS
 2 = SAE

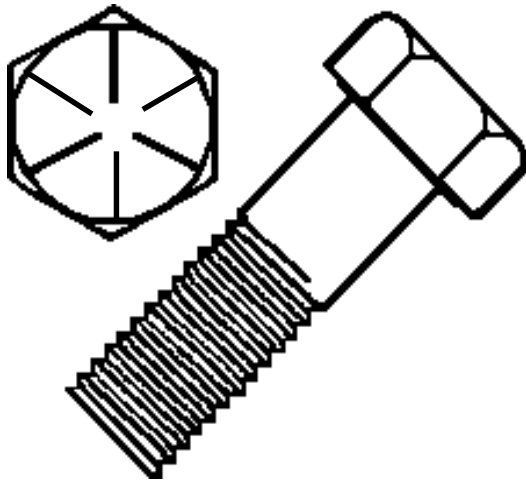
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

1/4 USS/SAE GRADE 8 PLATED BOLTS



1C H8 P05 0	1/4-20X1/2
1C H8 P07 5	1/4-20X3/4
1C H8 P10 0	1/4-20X1
1C H8 P12 5	1/4-20X1 1/4
1C H8 P15 0	1/4-20X1 1/2
1C H8 P17 5	1/4-20X1 3/4
1C H8 P20 0	1/4-20X2
1C H8 P22 5	1/4-20X2 1/4
1C H8 P25 0	1/4-20X2 1/2
1C H8 P27 5	1/4-20X2 3/4
1C H8 P30 0	1/4-20X3
1C H8 P35 0	1/4-20X3 1/2
1C H8 P40 0	1/4-20X4
1C H8 P45 0	1/4-20X4 1/2
1C H8 P50 0	1/4-20X5
1C H8 P55 0	1/4-20X5 1/2
1C H8 P60 0	1/4-20X6

└ 1 = USS
 2 = SAE

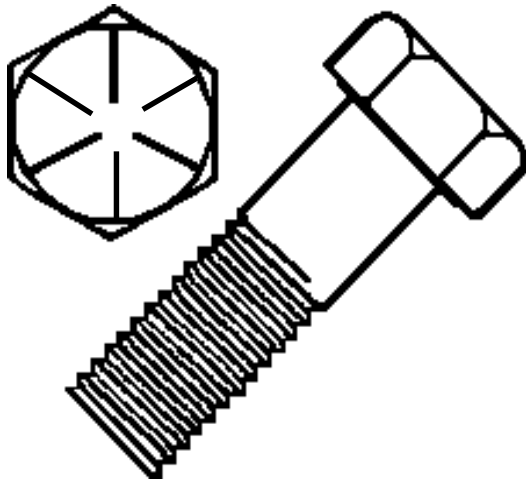
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

5/16 USS/SAE GRADE 8 PLATED BOLTS



1D H8 P05 0	5/16-18X1/2
1D H8 P07 5	5/16-18X3/4
1D H8 P10 0	5/16-18X1
1D H8 P12 5	5/16-18X1 1/4
1D H8 P15 0	5/16-18X1 1/2
1D H8 P17 5	5/16-18X1 3/4
1D H8 P20 0	5/16-18X2
1D H8 P22 5	5/16-18X2 1/4
1D H8 P25 0	5/16-18X2 1/2
1D H8 P30 0	5/16-18X3
1D H8 P35 0	5/16-18X3 1/2
1D H8 P40 0	5/16-18X4
1D H8 P45 0	5/16-18X4 1/2
1D H8 P50 0	5/16-18X5
1D H8 P55 0	5/16-18X5 1/2
1D H8 P60 0	5/16-18X6

┌ 1 = USS
└ 2 = SAE

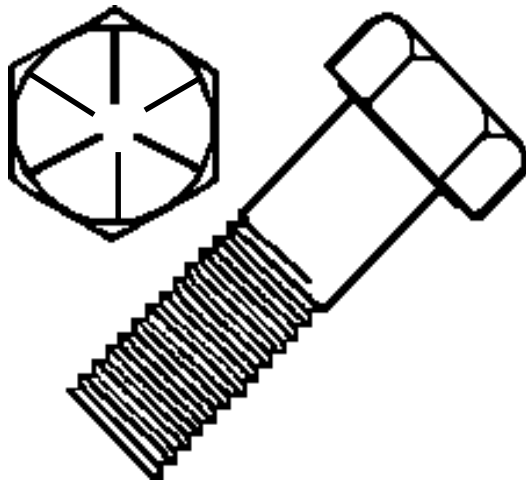
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

3/8 USS/SAE GRADE 8 PLATED BOLTS



1E H8 P05 0	3/8-16X1/2
1E H8 P07 5	3/8-16X3/4
1E H8 P10 0	3/8-16X1
1E H8 P12 5	3/8-16X1 1/4
1E H8 P15 0	3/8-16X1 1/2
1E H8 P17 5	3/8-16X1 3/4
1E H8 P20 0	3/8-16X2
1E H8 P22 5	3/8-16X2 1/4
1E H8 P25 0	3/8-16X2 1/2
1E H8 P27 5	3/8-16X2 3/4
1E H8 P30 0	3/8-16X3
1E H8 P35 0	3/8-16X3 1/2
1E H8 P40 0	3/8-16X4
1E H8 P45 0	3/8-16X4 1/2
1E H8 P50 0	3/8-16X5
1E H8 P55 0	3/8-16X5 1/2
1E H8 P60 0	3/8-16X6

┌ 1 = USS
└ 2 = SAE

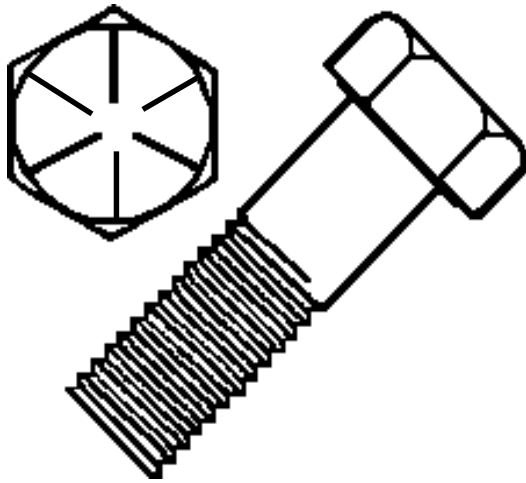
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

7/16 USS/SAE GRADE 8 PLATED BOLTS



1F H8 P07 5	7/16-14X3/4
1F H8 P10 0	7/16-14X1
1F H8 P12 5	7/16-14X1 1/4
1F H8 P15 0	7/16-18X1 1/2
1F H8 P17 5	7/16-14X1 3/4
1F H8 P20 0	7/16-14X2
1F H8 P22 5	7/16-14X2 1/4
1F H8 P25 0	7/16-14X2 1/2
1F H8 P30 0	7/16-14X3
1F H8 P35 0	7/16-14X3 1/2
1F H8 P40 0	7/16-14X4
1F H8 P45 0	7/16-14X4 1/2
1F H8 P50 0	7/16-14X5
1F H8 P55 0	7/16-14X5 1/2
1F H8 P60 0	7/16-14X6

└── 1 = USS
 2 = SAE

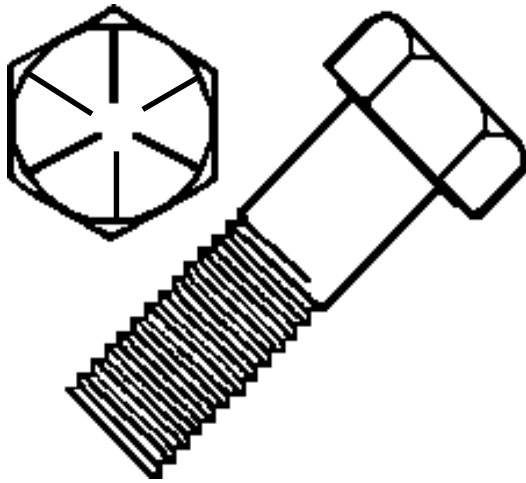
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

1/2 USS/SAE GRADE 8 PLATED BOLTS



1G H8 P07 5	1/2-13X3/4
1G H8 P10 0	1/2-13X1
1G H8 P12 5	1/2-13X1 1/4
1G H8 P15 0	1/2-13X1 1/2
1G H8 P17 5	1/2-13X1 3/4
1G H8 P20 0	1/2-13X2
1G H8 P22 5	1/2-13X2 1/4
1G H8 P25 0	1/2-13X2 1/2
1G H8 P27 5	1/2-13X2 3/4
1G H8 P30 0	1/2-13X3
1G H8 P32 5	1/2-13X3 1/4
1G H8 P35 0	1/2-13X3 1/2
1G H8 P40 0	1/2-13X4
1G H8 P45 0	1/2-13X4 1/2
1G H8 P50 0	1/2-13X5
1G H8 P55 0	1/2-13X5 1/2
1G H8 P60 0	1/2-13X6
1G H8 P65 0	1/2-13X6 1/2
1G H8 P70 0	1/2-13X7
1G H8 P75 0	1/2-13X7 1/2
1G H8 P80 0	1/2-13X8

┌ 1 = USS
└ 2 = SAE

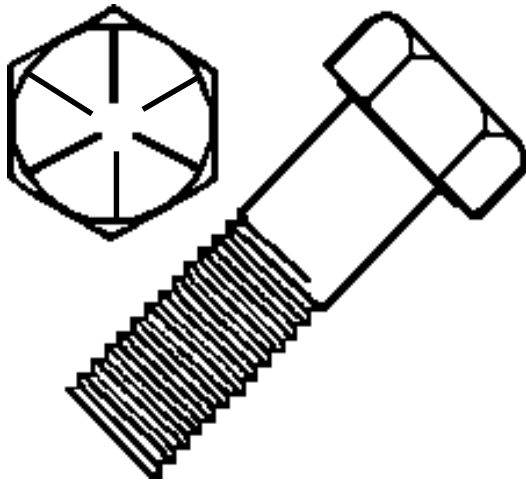
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

9/16 USS/SAE GRADE 8 PLATED BOLTS



1H H8 P15 0	9/16-12X1 1/2
1H H8 P20 0	9/16-12X2
1H H8 P25 0	9/16-12X2 1/2
1H H8 P30 0	9/16-12X3
1H H8 P35 0	9/16-12X3 1/2
1H H8 P40 0	9/16-12X4
1H H8 P45 0	9/16-12X4 1/2
1H H8 P50 0	9/16-12X5
1H H8 P55 0	9/16-12X5 1/2
1H H8 P60 0	9/16-12X6
1H H8 P65 0	9/16-12X6 1/2
1H H8 P70 0	9/16-12X7
1H H8 P75 0	9/16-12X7 1/2
1H H8 P80 0	9/16-12X8

┌ 1 = USS
└ 2 = SAE

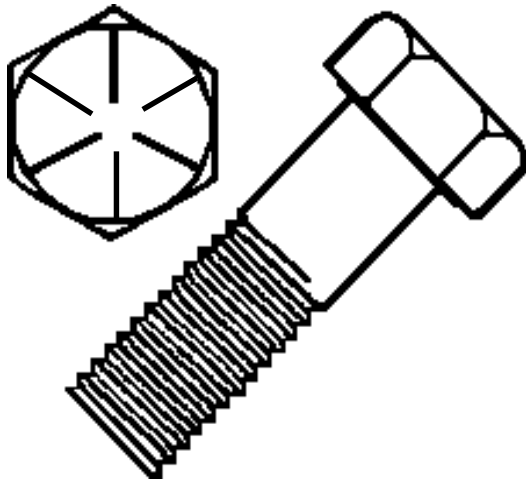
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

5/8 USS/SAE GRADE 8 PLATED BOLTS



1J H8 P10 0	5/8-11X1
1J H8 P12 5	5/8-11X1 1/4
1J H8 P15 0	5/8-11X1 1/2
1J H8 P17 5	5/8-11X1 3/4
1J H8 P20 0	5/8-11X2
1J H8 P22 5	5/8-11X2 1/4
1J H8 P25 0	5/8-11X2 1/2
1J H8 P27 5	5/8-11X2 3/4
1J H8 P30 0	5/8-11X3
1J H8 P32 5	5/8-11X3 1/4
1J H8 P35 0	5/8-11X3 1/2
1J H8 P40 0	5/8-11X4
1J H8 P45 0	5/8-11X4 1/2
1J H8 P50 0	5/8-11X5
1J H8 P55 0	5/8-11X5 1/2
1J H8 P60 0	5/8-11X6
1J H8 P65 0	5/8-11X6 1/2
1J H8 P70 0	5/8-11X7
1J H8 P75 0	5/8-11X7 1/2
1J H8 P80 0	5/8-11X8

┌ 1 = USS
└ 2 = SAE

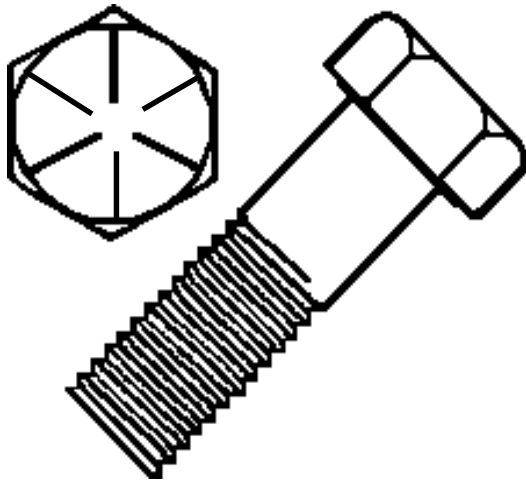
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

3/4 USS/SAE GRADE 8 PLATED BOLTS



1K H8 P12 5	3/4-10X1 1/4
1K H8 P15 0	3/4-10X1 1/2
1K H8 P17 5	3/4-10X1 3/4
1K H8 P20 0	3/4-10X2
1K H8 P22 5	3/4-10X2 1/4
1K H8 P25 0	3/4-10X2 1/2
1K H8 P27 5	3/4-10X2 3/4
1K H8 P30 0	3/4-10X3
1K H8 P32 5	3/4-10X3 1/4
1K H8 P35 0	3/4-10X3 1/2
1K H8 P40 0	3/4-10X4
1K H8 P45 0	3/4-10X4 1/2
1K H8 P50 0	3/4-10X5
1K H8 P55 0	3/4-10X5 1/2
1K H8 P60 0	3/4-10X6
1K H8 P65 0	3/4-10X6 1/2
1K H8 P70 0	3/4-10X7
1K H8 P75 0	3/4-10X7 1/2
1K H8 P80 0	3/4-10X8

1 = USS

2 = SAE

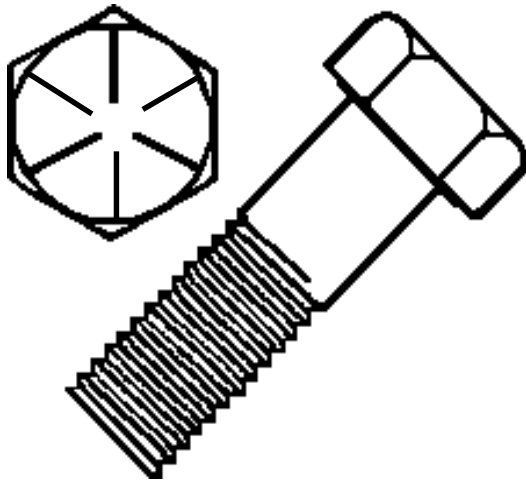
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

7/8 USS/SAE GRADE 8 PLATED BOLTS



1L H8 P20 0	7/8-9X2
1L H8 P22 5	7/8-9X2 1/4
1L H8 P25 0	7/8-9X2 1/2
1L H8 P30 0	7/8-9X3
1L H8 P35 0	7/8-9X3 1/2
1L H8 P40 0	7/8-9X4
1L H8 P45 0	7/8-9X4 1/2
1L H8 P50 0	7/8-9X5
1L H8 P55 0	7/8-9X5 1/2
1L H8 P60 0	7/8-9X6
1L H8 P65 0	7/8-9X6 1/2
1L H8 P70 0	7/8-9X7
1L H8 P75 0	7/8-9X7 1/2
1L H8 P80 0	7/8-9X8

┌ 1 = USS
└ 2 = SAE

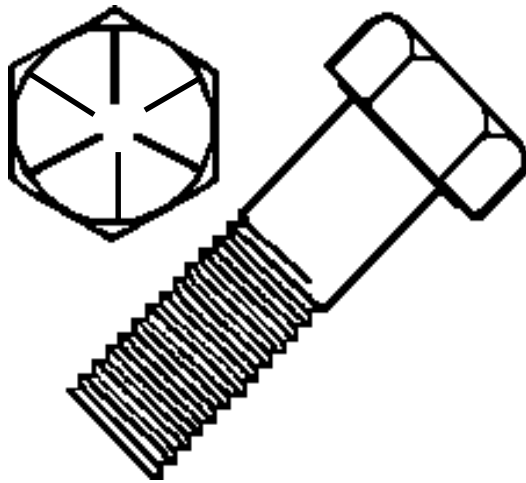
FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

Alpine Supply

We have Connections!

GRADE 8 BOLTS

1"USS/SAE GRADE 8 PLATED BOLTS



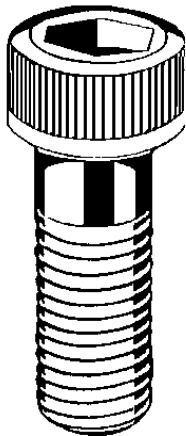
1M H8 P20 0	1-8X2
1M H8 P22 5	1-8X2 1/4
1M H8 P25 0	1-8X2 1/2
1M H8 P30 0	1-8X3
1M H8 P35 0	1-8X3 1/2
1M H8 P40 0	1-8X4
1M H8 P45 0	1-8X4 1/2
1M H8 P50 0	1-8X5
1M H8 P55 0	1-8X5 1/2
1M H8 P60 0	1-8X6
1M H8 P65 0	1-8X6 1/2
1M H8 P70 0	1-8X7
1M H8 P75 0	1-8X7 1/2
1M H8 P80 0	1-8X8

1 = USS
2 = SAE

FOR SAE BOLTS (NATIONAL FINE) USE THE # 2

SOCKET

SOCKET HEAD CAP SCREW



SAE THREAD SIZES

10-32
1/4-28

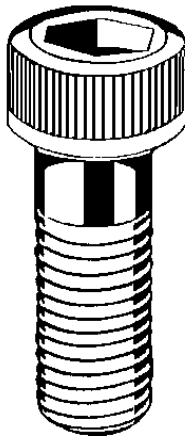
#6	16 S8 B02 5	6-32X1/4
	16 S8 B03 7	6-32X3/8
	16 S8 B05 0	6-32X1/2
	16 S8 B07 5	6-32X3/4
	16 S8 B10 0	6-32X1
	16 S8 B12 5	6-32X1 1/4
	16 S8 B15 0	6-32X1 1/2
#8	18 S8 B02 5	8-32X1/4
	18 S8 B03 7	8-32X3/8
	18 S8 B05 0	8-32X1/2
	18 S8 B07 5	8-32X3/4
	18 S8 B10 0	8-32X1
	18 S8 B12 5	8-32X1 1/4
	18 S8 B15 0	8-32X1 1/2
#10	1A S8 B02 5	10-24X1/4
	1A S8 B03 7	10-24X3/8
	1A S8 B05 0	10-24X1/2
	1A S8 B06 2	10-24X5/8
	1A S8 B07 5	10-24X3/4
	1A S8 B10 0	10-24X1
	1A S8 B12 5	10-24X1 1/4
	1A S8 B15 0	10-24X1 1/2
	1A S8 B17 5	10-24X1 3/4
	1A S8 B20 0	10-24X2
1/4	1C S8 B05 0	1/4-20X1/2
	1C S8 B06 2	1/4-20X5/8
	1C S8 B07 5	1/4-20X3/4
	1C S8 B10 0	1/4-20X1
	1C S8 B12 5	1/4-20X1 1/4
	1C S8 B15 0	1/4-20X1 1/2
	1C S8 B17 5	1/4-20X1 3/4
	1C S8 B20 0	1/4-20X2
	1C S8 B22 5	1/4-20X2 1/4
	1C S8 B25 0	1/4-20X2 1/2
	1C S8 B27 5	1/4-20X2 3/4
	1C S8 B30 0	1/4-20X3

1=USS

2=SAF

SOCKET

SOCKET HEAD CAP SCREW



SAE THREAD SIZES

5/16-24

3/8-24

7/16-20

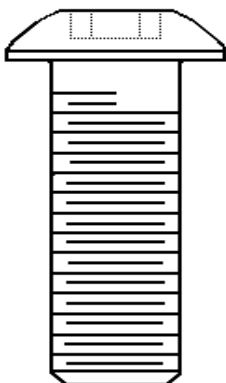
1/2-20

5/16	1D S8 B05 0	5/16-18X1/2
	1D S8 B07 5	5/16-18X3/4
	1D S8 B10 0	5/16-18X1
	1D S8 B12 5	5/16-18X1 1/4
	1D S8 B15 0	5/16-18X1 1/2
	1D S8 B17 5	5/16-18X1 3/4
	1D S8 B20 0	5/16-18X2
	1D S8 B25 0	5/16-18X2 1/2
	1D S8 B30 0	5/16-18X3
3/8	1E S8 B05 0	3/8-16X1/2
	1E S8 B07 5	3/8-16X3/4
	1E S8 B10 0	3/8-16X1
	1E S8 B12 5	3/8-16X1 1/4
	1E S8 B15 0	3/8-16X1 1/2
	1E S8 B17 5	3/8-16X1 3/4
	1E S8 B20 0	3/8-16X2
	1E S8 B25 0	3/8-16X2 1/2
	1E S8 B30 0	3/8-16X3
	1E S8 B35 0	3/8--16X3 1/2
	1E S8 B40 0	3/8-16X4
7/16	1F S8 B10 0	7/16-14X1
	1F S8 B12 5	7/16-14X1 1/4
	1F S8 B15 0	7/16-14X1 1/2
	1F S8 B20 0	7/16-14X2
	1F S8 B25 0	7/16-14X2 1/2
	1F S8 B30 0	7/16-14X3
1/2	1G S8 B10 0	1/2-13X1
	1G S8 B15 0	1/2-13X1 1/2
	1G S8 B20 0	1/2-13X2
	1G S8 B25 0	1/2-13X2 1/2
	1G S8 B30 0	1/2-13X3
	1G S8 B35 0	1/2-13X3 1/2
	1G S8 B40 0	1/2-13X4

1=USS

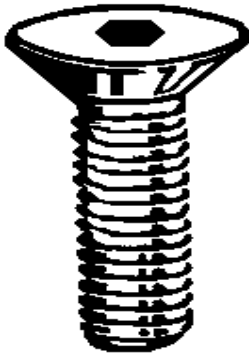
2=SAE

BUTTON HEAD CAP SCREW



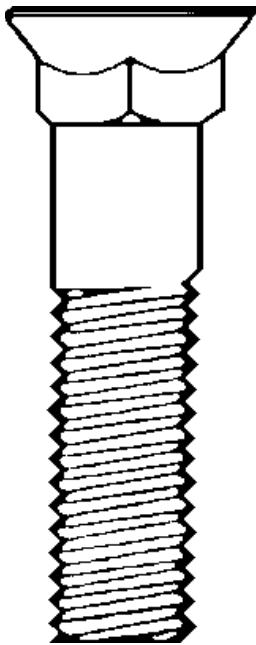
#6	16 K8 B02 5 6-32X1/4 16 K8 B03 7 6-32X3/8 16 K8 B05 0 6-32X1/2 16 K8 B07 5 6-32X3/4 16 K8 B10 0 6-32X1
#8	18 K8 B02 5 8-32X1/4 18 K8 B03 7 8-32X3/8 18 K8 B05 0 8-32X1/2 18 K8 B07 5 8-32X3/4 18 K8 B10 0 8-32X1
#10	1A K8 B02 5 10-24X1/4 1A K8 B03 7 10-24X3/8 1A K8 B05 0 10-24X1/2 1A K8 B06 2 10-24X5/8 1A K8 B07 5 10-24X3/4 1A K8 B10 0 10-24X1 2A K8 B02 5 10-32X1/4 2A K8 B03 7 10-32X3/8 2A K8 B05 0 10-32X1/2 2A K8 B07 5 10-32X3/4 2A K8 B10 0 10-32X1
1/4	1C K8 B05 0 1/4-20X1/2 1C K8 B06 2 1/4-20X5/8 1C K8 B07 5 1/4-20X3/4 1C K8 B10 0 1/4-20X1

FLAT HEAD CAP SCREW



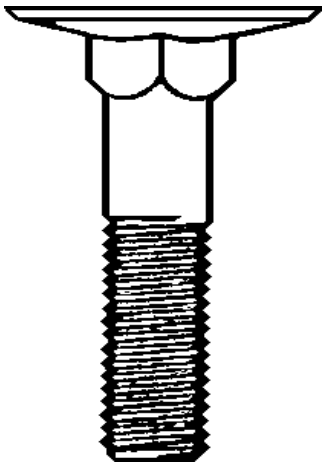
#6	16 J8 B02 5 16 J8 B03 7 16 J8 B05 0 16 J8 B07 5 16 J8 B10 0	6-32X1/4 6-32X3/8 6-32X1/2 6-32X3/4 6-32X1
#8	18 J8 B02 5 18 J8 B03 7 18 J8 B05 0 18 J8 B07 5 18 J8 B10 0	8-32X1/4 8-32X3/8 8-32X1/2 8-32X3/4 8-32X1
#10	1A J8 B02 5 1A J8 B03 7 1A J8 B05 0 1A J8 B06 2 1A J8 B07 5 1A J8 B10 0 2A J8 B02 5 2A J8 B03 7 2A J8 B05 0 2A J8 B07 5 2A J8 B10 0	10-24X1/4 10-24X3/8 10-24X1/2 10-24X5/8 10-24X3/4 10-24X1 10-32X1/4 10-32X3/8 10-32X1/2 10-32X3/4 10-32X1
1/4	1C J8 B05 0 1C J8 B06 2 1C J8 B07 5 1C J8 B10 0	1/4-20X1/2 1/4-20X5/8 1/4-20X3/4 1/4-20X1

PLOW BOLT



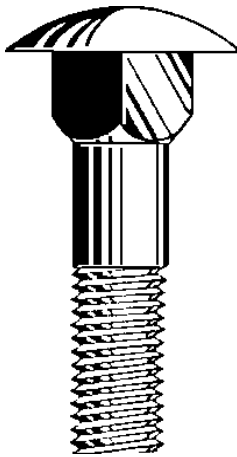
3/8	1E P5 B10 0	3/8X1
	1E P5 B12 5	3/8X1 1/4
	1E P5 B15 0	3/8X1 1/2
	1E P5 B17 5	3/8X1 3/4
	1E P5 B20 0	3/8X2
	1E P5 B22 5	3/8X2 1/4
	1E P5 B25 0	3/8X2 1/2
	7/16	1F P5 B10 0	7/16X1
1F P5 B12 5		7/16X1 1/4
1F P5 B15 0		7/16X1 1/2
1F P5 B17 5		7/16X1 3/4
1F P5 B20 0		7/16X2
1F P5 B22 5		7/16X2 1/4
1F P5 B25 0		7/16X2 1/2
1F P5 B30 0		7/16X3
1F P5 B35 0		7/16X3 1/2
1/2		1G P5 B15 0
	1G P5 B17 5	1/2X1 3/4
	1G P5 B20 0	1/2X2
	1G P5 B22 5	1/2X2 1/4
	1G P5 B25 0	1/2X2 1/2
	1G P5 B27 5	1/2X2 3/4
	1G P5 B30 0	1/2X3
	1G P5 B35 0	1/2X3 1/2
	1G P5 B40 0	1/2X4
5/8	1J P5 B17 5	5/8X1 3/4
	1J P5 B20 0	5/8X2
	1J P5 B22 5	5/8X2 1/4
	1J P5 B25 0	5/8X2 1/2
	1J P5 B27 5	5/8X2 3/4
	1J P5 B30 0	5/8X3

ELEVATOR BOLT



1/4	1C E5 P07 5	1/4X3/4
	1C E5 P10 0	1/4X1
	1C E5 P12 5	1/4X1 1/4
	1C E5 P15 0	1/4X1 1/2
	1C E5 P17 5	1/4X1 3/4
	1C E5 P20 0	1/4X2
	1C E5 P25 0	1/4X2 1/2
	1C E5 P30 0	1/4X3
5/16	1D E5 P10 0	5/16X1
	1D E5 P12 5	5/16X1 1/4
	1D E5 P15 0	5/16X1 1/2
	1D E5 P17 5	5/16X1 3/4
	1D E5 P20 0	5/16X2
	1D E5 P25 0	5/16X2 1/2
	1D E5 P30 0	5/16X3
	3/8	1E E5 P10 0	3/8X1
1E E5 P12 5		3/8X1 1/4
1E E5 P15 0		3/8X1 1/2
1E E5 P20 0		3/8X2
1E E5 P25 0		3/8X2 1/2
1E E5 P30 0		3/8X3

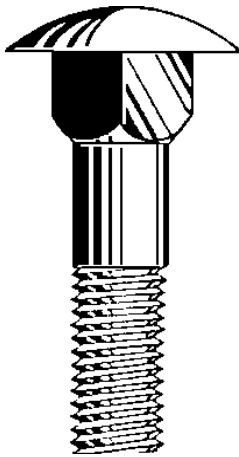
1/4" PLATED CARRIAGE BOLT



1C D2 P05 0	1/4X1/2
1C D2 P07 5	1/4X3/4
1C D2 P10 0	1/4X1
1C D2 P12 5	1/4X1 1/4
1C D2 P15 0	1/4X1 1/2
1C D2 P17 5	1/4X1 3/4
1C D2 P20 0	1/4X2
1C D2 P22 5	1/4X2 1/4
1C D2 P25 0	1/4X2 1/2
1C D2 P27 5	1/4X2 3/4
1C D2 P30 0	1/4X3
1C D2 P35 0	1/4X3 1/2
1C D2 P40 0	1/4X4
1C D2 P45 0	1/4X4 1/2
1C D2 P50 0	1/4X5
1C D2 P55 0	1/4X5 1/2
1C D2 P60 0	1/4X6
1C D2 P65 0	1/4X6 1/2
1C D2 P70 0	1/4X7
1C D2 P75 0	1/4X7 1/2
1C D2 P80 0	1/4X8

└ 2=GRADE 2
5=GRADE 5

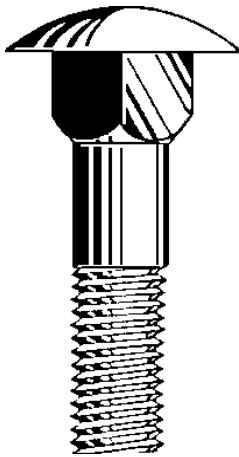
5/16" PLATED CARRIAGE BOLT



1D D2 P07 5	5/16X3/4
1D D2 P10 0	5/16X1
1D D2 P12 5	5/16X1 1/4
1D D2 P15 0	5/16X1 1/2
1D D2 P17 5	5/16X1 3/4
1D D2 P20 0	5/16X2
1D D2 P22 5	5/16X2 1/4
1D D2 P25 0	5/16X2 1/2
1D D2 P27 5	5/16X2 3/4
1D D2 P30 0	5/16X3
1D D2 P35 0	5/16X3 1/2
1D D2 P40 0	5/16X4
1D D2 P45 0	5/16X4 1/2
1D D2 P50 0	5/16X5
1D D2 P55 0	5/16X5 1/2
1D D2 P60 0	5/16X6
1D D2 P65 0	5/16X6 1/2
1D D2 P70 0	5/16X7
1D D2 P75 0	5/16X7 1/2
1D D2 P80 0	5/16X8

└ 2=GRADE 2
5=GRADE 5

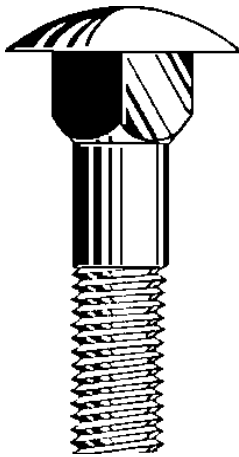
3/8" PLATED CARRIAGE BOLT



1E D2 P07 5	3/8X3/4
1E D2 P10 0	3/8X1
1E D2 P12 5	3/8X1 1/4
1E D2 P15 0	3/8X1 1/2
1E D2 P17 5	3/8X1 3/4
1E D2 P20 0	3/8X2
1E D2 P22 5	3/8X2 1/4
1E D2 P25 0	3/8X2 1/2
1E D2 P27 5	3/8X2 3/4
1E D2 P30 0	3/8X3
1E D2 P35 0	3/8X3 1/2
1E D2 P40 0	3/8X4
1E D2 P45 0	3/8X4 1/2
1E D2 P50 0	3/8X5
1E D2 P55 0	3/8X5 1/2
1E D2 P60 0	3/8X6
1E D2 P65 0	3/8X6 1/2
1E D2 P70 0	3/8X7
1E D2 P75 0	3/8X7 1/2
1E D2 P80 0	3/8X8
1E D2 P85 0	3/8X8 1/2
1E D2 P90 0	3/8X9
1E D2 PX1 0	3/8X10
1E D2 PX1 1	3/8X11
1E D2 PX1 2	3/8X12

┌ 2=GRADE 2
└ 5=GRADE 5

7/16" PLATED CARRIAGE BOLT

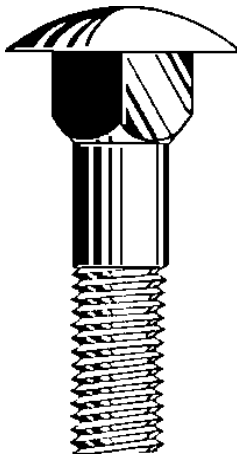


1F D2 P15 0	7/16X1 1/2
1F D2 P17 5	7/16X1 3/4
1F D2 P20 0	7/16X2
1F D2 P22 5	7/16X2 1/4
1F D2 P25 0	7/16X2 1/2
1F D2 P27 5	7/16X2 3/4
1F D2 P30 0	7/16X3
1F D2 P35 0	7/16X3 1/2
1F D2 P40 0	7/16X4
1F D2 P45 0	7/16X4 1/2
1F D2 P50 0	7/16X5
1F D2 P55 0	7/16X5 1/2
1F D2 P60 0	7/16X6
1F D2 P65 0	7/16X6 1/2
1F D2 P70 0	7/16X7
1F D2 P75 0	7/16X7 1/2
1F D2 P80 0	7/16X8

2=GRADE 2

5=GRADE 5

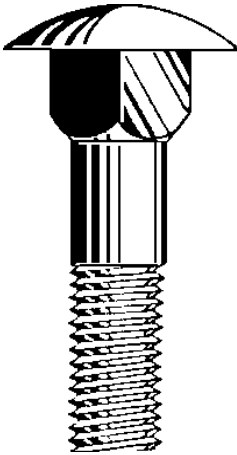
1/2" PLATED CARRIAGE BOLT



1G D2 P10 0	1/2X1
1G D2 P15 0	1/2X1 1/2
1G D2 P20 0	1/2X2
1G D2 P25 0	1/2X2 1/2
1G D2 P30 0	1/2X3
1G D2 P35 0	1/2X3 1/2
1G D2 P40 0	1/2X4
1G D2 P45 0	1/2X4 1/2
1G D2 P50 0	1/2X5
1G D2 P55 0	1/2X5 1/2
1G D2 P60 0	1/2X6
1G D2 P65 0	1/2X6 1/2
1G D2 P70 0	1/2X7
1G D2 P75 0	1/2X7 1/2
1G D2 P80 0	1/2X8
1G D2 P85 0	1/2X8 1/2
1G D2 P90 0	1/2X9
1G D2 P95 0	1/2X9 1/2
1G D2 PX1 0	1/2X10
1G D2 PX1 1	1/2X11
1G D2 PX1 2	1/2X12

└─ 2=GRADE 2
 5=GRADE 5

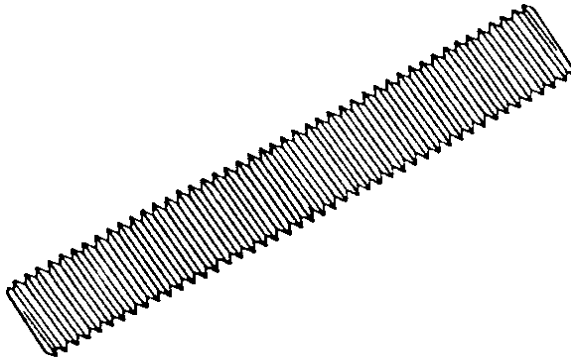
5/8" PLATED CARRIAGE BOLT



1J D2 P15 0	5/8X1 1/2
1J D2 P20 0	5/8X2
1J D2 P25 0	5/8X2 1/2
1J D2 P30 0	5/8X3
1J D2 P35 0	5/8X3 1/2
1J D2 P40 0	5/8X4
1J D2 P45 0	5/8X4 1/2
1J D2 P50 0	5/8X5
1J D2 P55 0	5/8X5 1/2
1J D2 P60 0	5/8X6
1J D2 P65 0	5/8X6 1/2
1J D2 P70 0	5/8X7
1J D2 P75 0	5/8X7 1/2
1J D2 P80 0	5/8X8
1J D2 P85 0	5/8X8 1/2
1J D2 P90 0	5/8X9

└ 2=GRADE 2
5=GRADE 5

ALL THREAD ROD



3 FT. LENGTHS

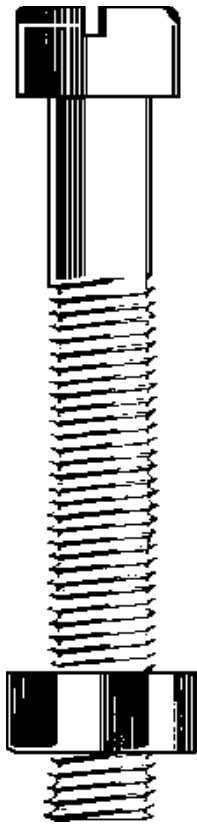
USS

SAE

16 R2 P3F T	6-32X3 FT.
18 R2 P3F T	8-32X3 FT.
1A R2 P3F T	10-24X3 FT.
1B R2 P3F T	12-24X3 FT.
1C R2 P3F T	1/4-20X3 FT.
1D R2 P3F T	5/16-18X3 FT.
1E R2 P3F T	3/8-16X3 FT.
1F R2 P3F T	7/16-14X3 FT.
1G R2 P3F T	1/2-13X3 FT.
1H R2 P3F T	9/16-18X3 FT.
1J R2 P3F T	5/8-11X3 FT.
1K R2 P3F T	3/4-10X3 FT.
1L R2 P3F T	7/8-9X3 FT.
1M R2 P3F T	1-8X3 FT.
1P R2 P3F T	1 1/8-7X3 FT.
1Q R2 P3F T	1 1/4-7X3 FT.
1R R2 P3F T	1 3/8-6X3 FT.
1S R2 P3F T	1 1/2-6X3 FT.
1T R2 P3F T	1 3/4-5X3 FT.
1U R2 P3F T	2-4X3 FT.

2A R2 P3F T	10-32X3 FT.
2C R2 P3F T	1/4-28X3 FT.
2D R2 P3F T	5/16-24X3 FT.
2E R2 P3F T	3/8-24X3 FT.
2F R2 P3F T	7/16-20X3 FT.
2G R2 P3F T	1/2-20X3 FT.
2H R2 P3F T	9/16-18X3 FT.
2J R2 P3F T	5/8-18X3 FT.
2K R2 P3F T	3/4-16X3 FT.
2L R2 P3F T	7/8-14X3 FT.
2M R2 P3F T	1-14X3 FT.
2P R2 P3F T	1 1/8-12X3 FT.
2Q R2 P3F T	1 1/4-12X3 FT.
2R R2 P3F T	1 3/8-12X3 FT.
2S R2 P3F T	1 1/2-12X3 FT.

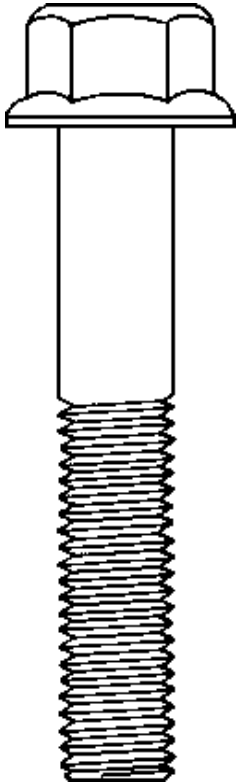
CENTER BOLTS



SLOTTED FILLISTER HEAD SPRING CENTER BOLTS

2D C8 B35 0	5/16-24X3 1/2
2D C8 B50 0	5/16-24X5
2D C8 BX1 2	5/16-24X12
2E C8 B50 0	3/8-24X5
2E C8 B60 0	3/8-24X6
2E C8 B80 0	3/8-24X8
2E C8 BX1 0	3/8-24X10
2E C8 BX1 2	3/8-24X12
2F C8 B50 0	7/16-24X5
2F C8 B60 0	7/16-24X6
2F C8 B80 0	7/16-24X8
2F C8 BX1 0	7/16-24X10
2F C8 BX1 2	7/16-24X12
2G C8 B60 0	1/2-20X6
2G C8 B80 0	1/2-20X8
2G C8 BX1 0	1/2-20X10
2G C8 BX1 2	1/2-20X12

FLANGE BOLTS



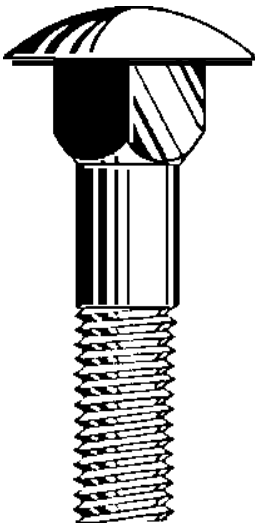
COARSE

1E F8 P10 0	3/8-16X1
1E F8 P12 5	3/8-16X1 1/4
1E F8 P15 0	3/8-16X1 1/2
1E F8 P17 5	3/8-16X1 3/4
1G F8 P10 0	1/2-13X1
1G F8 P12 5	1/2-13X1 1/4
1G F8 P15 0	1/2-13X1 1/2
1G F8 P17 5	1/2-13X1 3/4
1G F8 P20 0	1/2-13X2
1G F8 P22 5	1/2-13X2 1/4
1G F8 P25 0	1/2-13X2 1/2
1G F8 P27 5	1/2-13X2 3/4
1G F8 P30 0	1/2-13X3
1G F8 P32 5	1/2-13X3 1/4
1G F8 P35 0	1/2-13X3 1/2
1J F8 P15 0	5/8-11X1 1/2
1J F8 P17 5	5/8-11X1 3/4
1J F8 P20 0	5/8-11X2
1J F8 P22 5	5/8-11X2 1/4
1J F8 P25 0	5/8-11X2 1/2
1J F8 P27 5	5/8-11X2 3/4
1J F8 P30 0	5/8-11X3
1J F8 P32 5	5/8-11X3 1/4
1J F8 P35 0	5/8-11X3 1/2

FINE

2G F8 P10 0	1/2-20X1
2G F8 P12 5	1/2-20X1 1/4
2G F8 P17 5	1/2-20X1 3/4
2G F8 P20 0	1/2-20X2
2J F8 P12 5	5/8-18X1 1/4
2J F8 P15 0	5/8-18X1 1/2
2J F8 P17 5	5/8-18X1 3/4
2J F8 P20 0	5/8-18X2
2J F8 P22 5	5/8-18X 21/4
2J F8 P25 0	5/8-18X2 1/2
2J F8 P27 5	5/8-18X2 3/4
2J F8 P30 0	5/8-18X3

POLISHED STAINLESS STEEL CAPPED HEADS



1D B2 P08 7	5/16-18X7/8
1E B2 P08 7	3/8-16X7/8
1E B2 P10 0	3/8-16X1
1E B2 P12 5	3/8-16X1 1/4
1E B2 P15 0	3/8-16X1 1/2
1F B2 P08 7	7/16-14X7/8
1F B2 P10 0	7/16-14X1
1F B2 P12 5	7/16-14X1 1/4
1F B2 P15 0	7/16-14X1 1/2
1F B2 P17 5	7/16-14X1 3/4
1F B2 P20 0	7/16-14X2
1F B2 P22 5	7/16-14X2 1/4
1F B2 P25 0	7/16-14X2 1/2
1G B2 P12 5	1/2-13X1 1/4
1G B2 P15 0	1/2-13X1 1/2
1G B2 P17 5	1/2-13X1 3/4
1G B2 P20 0	1/2-13X2

Alpine Supply

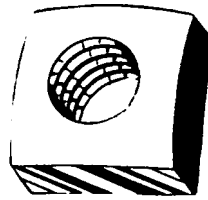
We have Connections!

NUTS & WASHERS

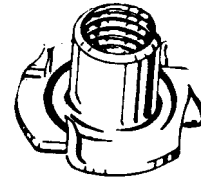
AVAILABLE IN ALL SIZES



HEX NUTS
(GR. 5 GR. 8)



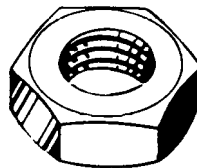
SQUARE NUTS



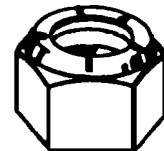
TEE NUT



STOVER NUTS



JAM NUTS



NYLON LOCK NUTS



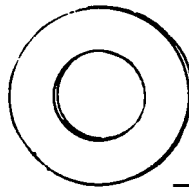
KEP NUTS



MACHINE SCREW NUTS



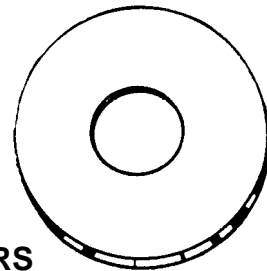
FENDER WASHERS



SAE

FLAT WASHERS

GR. 5-STANDARD
GR. 8-CASE HARDENED
GR. 8-THRU HARDENED



USS



INTERNAL STAR WASHERS



EXTERNAL STAR WASHERS



LOCK WASHERS



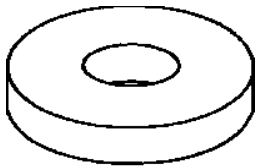
COUNTERSUNK WASHERS

ITEMS AVAILABLE IN-BRASS-STAINLESS STEEL-METRIC

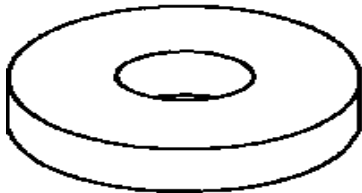
FLAT WASHERS

GRADE 5

SAE



USS

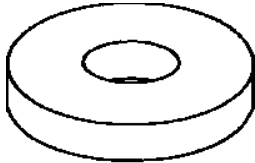


44 FW 5SP 0	#4 FLAT WASHER
46 FW 5SP 0	#6 FLAT WASHER
48 FW 5SP 0	#8 FLAT WASHER
4A FW 5SP 0	#10 FLAT WASHER
4B FW 5SP 0	#12 FLAT WASHER
4C FW 5SP 0	1/4 FLAT WASHER
4D FW 5SP 0	5/16 FLAT WASHER
4E FW 5SP 0	3/8 FLAT WASHER
4F FW 5SP 0	7/16 FLAT WASHER
4G FW 5SP 0	1/2 FLAT WASHER
4H FW 5SP 0	9/16 FLAT WASHER
4J FW 5SP 0	5/8 FLAT WASHER
4K FW 5SP 0	3/4 FLAT WASHER
4L FW 5SP 0	7/8 FLAT WASHER
4M FW 5SP 0	1 FLAT WASHER

4C FW 5UP 0	1/4 FLAT WASHER
4D FW 5UP 0	5/16 FLAT WASHER
4E FW 5UP 0	3/8 FLAT WASHER
4F FW 5UP 0	7/16 FLAT WASHER
4G FW 5UP 0	1/2 FLAT WASHER
4H FW 5UP 0	9/16 FLAT WASHER
4J FW 5UP 0	5/8 FLAT WASHER
4K FW 5UP 0	3/4 FLAT WASHER
4L FW 5UP 0	7/8 FLAT WASHER
4M FW 5UP 0	1 FLAT WASHER

GRADE 8 WASHERS

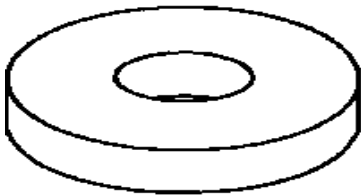
SAE



- 4C FW 8SP 0 1/4 FW SAE
- 4D FW 8SP 0 5/16 FW SAE
- 4E FW 8SP 0 3/8 FW SAE
- 4F FW 8SP 0 7/16 FW SAE
- 4G FW 8SP 0 1/2 FW SAE
- 4H FW 8SP 0 9/16 FW SAE
- 4J FW 8SP 0 5/8 FW SAE
- 4K FW 8SP 0 3/4 FW SAE
- 4L FW 8SP 0 7/8 FW SAE
- 4M FW 8SP 0 1" FW SAE

P=PLATED
B=BLACK

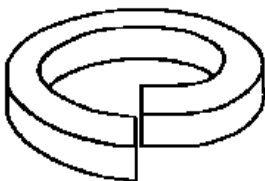
USS



- 4C FW 8UP 0 1/4 FW USS
- 4D FW 8UP 0 5/16 FW USS
- 4E FW 8UP 0 3/8 FW USS
- 4F FW 8UP 0 7/16 FW USS
- 4G FW 8UP 0 1/2 FW USS
- 4H FW 8UP 0 9/16 FW USS
- 4J FW 8UP 0 5/8 FW USS
- 4K FW 8UP 0 3/4 FW USS
- 4L FW 8UP 0 7/8 FW USS
- 4M FW 8UP 0 1" FW USS

P=PLATED
B=BLACK

LOCKWASHER

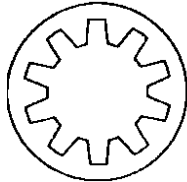


- 4C LW 80P 0 1/4 LOCKWASHER
- 4D LW 80P 0 5/16 LOCKWASHER
- 4E LW 80P 0 3/8 LOCKWASHER
- 4F LW 80P 0 7/16 LOCKWASHER
- 4G LW 80P 0 1/2 LOCKWASHER
- 4H LW 80P 0 9/16 LOCKWASHER
- 4J LW 80P 0 5/8 LOCKWASHER
- 4K LW 80P 0 3/4 LOCKWASHER
- 4L LW 80P 0 7/8 LOCKWASHER
- 4M LW 80P 0 1" LOCKWASHER

P=PLATED
B=BLACK

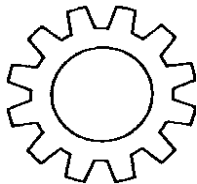
STAR WASHERS

INTERNAL TOOTH



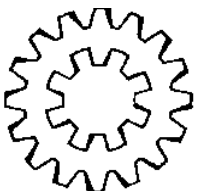
44 1S 50P 0 4 INTERNAL TOOTH
46 1S 50P 0 6 INTERNAL TOOTH
48 1S 50P 0 8 INTERNAL TOOTH
4A 1S 50P 0 10 INTERNAL TOOTH
4B 1S 50P 0 12 INTERNAL TOOTH
4C 1S 50P 0 1/4 INTERNAL TOOTH
4D 1S 50P 0 5/16 INTERNAL TOOTH
4E 1S 50P 0 3/8 INTERNAL TOOTH
4F 1S 50P 0 7/16 INTERNAL TOOTH
4G 1S 50P 0 1/2 INTERNAL TOOTH

EXTERNAL TOOTH



44 ES 40P 0 4 EXTERNAL TOOTH
46 ES 50P 0 6 EXTERNAL TOOTH
48 ES 50P 0 8 EXTERNAL TOOTH
4A ES 50P 0 10 EXTERNAL TOOTH
4B ES 50P 0 12 EXTERNAL TOOTH
4C ES 50P 0 1/4 EXTERNAL TOOTH
4D ES 50P 0 5/16 EXTERNAL TOOTH
4E ES 50P 0 3/8 EXTERNAL TOOTH
4F ES 50P 0 7/16 EXTERNAL TOOTH
4G ES 50P 0 1/2 EXTERNAL TOOTH

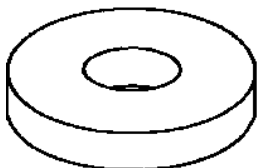
EXTERNAL-INTERNAL TOOTH



46 1E 50P 0 6 EXT-INT TOOTH
48 1E 50P 0 8 EXT-INT TOOTH
4A 1E 50P 0 10 EXT-INT TOOTH
4C 1E 50P 0 1/4 EXT-INT TOOTH

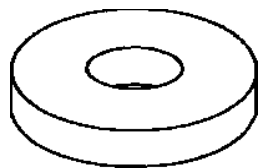
WASHERS

BRASS



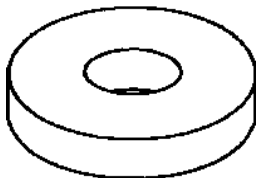
44 FW 5SA 0	#4 BRASS
46 FW 5SA 0	#6 BRASS
48 FW 5SA 0	#8 BRASS
4A FW 5SA 0	#10 BRASS
4C FW 5SA 0	1/4 BRASS
4D FW 5SA 0	5/16 BRASS
4E FW 5SA 0	3/8 BRASS
4F FW 5SA 0	7/16 BRASS
4G FW 5SA 0	1/2 BRASS

STAINLESS STEEL



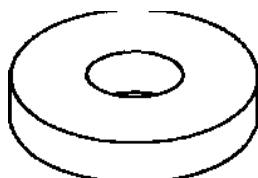
44 FW 5SS 0	#4 STAINLESS
46 FW 5SS 0	#6 STAINLESS
48 FW 5SS 0	#8 STAINLESS
4A FW 5SS 0	#10 STAINLESS
4C FW 5SS 0	1/4 STAINLESS
4D FW 5SS 0	5/16 STAINLESS
4E FW 5SS 0	3/8 STAINLESS
4F FW 5SS 0	7/16 STAINLESS
4G FW 5SS 0	1/2 STAINLESS
4J FW 5SS 0	5/8 STAINLESS

CHROME



4C FW 5SH 0	1/4 CHROME
4D FW 5SH 0	5/16 CHROME
4E FW 5SH 0	3/8 CHROME
4F FW 5SH 0	7/16 CHROME
4G FW 5SH 0	1/2 CHROME

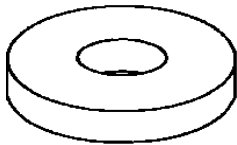
FIBER



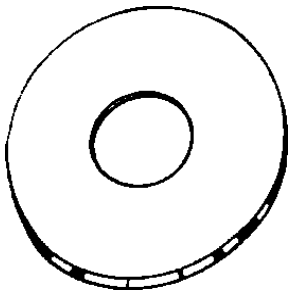
4C FW 5SF 0	1/4 FIBER
4D FW 5SF 0	5/16 FIBER
4E FW 5SF 0	3/8 FIBER
4F FW 5SF 0	7/16 FIBER
4G FW 5SF 0	1/2 FIBER

WASHERS

COPPER



SAE

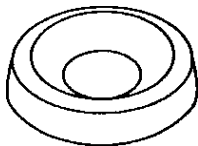


USS

4C FW 5SC 0	1/4" SAE COPPER
4D FW 5SC 0	5/16" SAE COPPER
4E FW 5SC 0	3/8" SAE COPPER
4F FW 5SC 0	7/16" SAE COPPER
4G FW 5SC 0	1/2" SAE COPPER

4C FW 5UC 0	1/4" USS COPPER
4D FW 5UC 0	5/16" USS COPPER
4E FW 5UC 0	3/8" USS COPPER
4F FW 5UC 0	7/16" USS COPPER
4G FW 5UC 0	1/2" USS COPPER

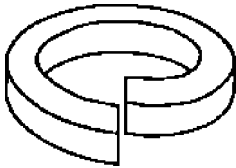
NICKEL PLATED FINISHING



46 CF 00P 0	#6 COUNTERSUNK
48 CF 00P 0	#8 COUNTERSUNK
4A CF 00P 0	#10 COUNTERSUNK
4C CF 00P 0	1/4" COUNTERSUNK

WASHERS

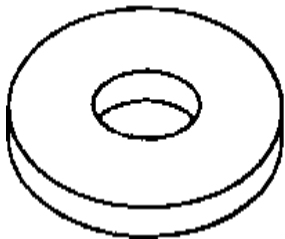
LOCK



42 LW 50P 0	#2 LOCKWASHER
44 LW 50P 0	#4 LOCKWASHER
46 LW 50P 0	#6 LOCKWASHER
48 LW 50P 0	#8 LOCKWASHER
4A LW 50P 0	#10 LOCKWASHER
4B LW 50P 0	#12 LOCKWASHER
4C LW 50P 0	1/4" LOCKWASHER
4D LW 50P 0	5/16" LOCKWASHER
4E LW 50P 0	3/8" LOCKWASHER
4F LW 50P 0	7/16" LOCKWASHER
4G LW 50P 0	1/2" LOCKWASHER
4H LW 50P 0	9/16" LOCKWASHER
4J LW 50P 0	5/8" LOCKWASHER
4K LW 50P 0	3/4" LOCKWASHER
4L LW 50P 0	7/8" LOCKWASHER
4M LW 50P 0	1" LOCKWASHER

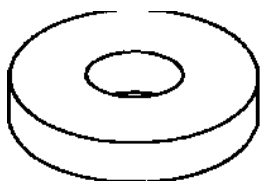
└ 5=GRADE 5
└ 8=GRADE 8

FENDER



4A FF 54P 0	#10X1 1/4 FENDER
4C FF 51P 0	1/4"X1 FENDER
4C FF 54P 0	1/4"X1 1/4 FENDER
4C FF 55P 0	1/4"X1 1/2 FENDER
4D FF 54P 0	5/16"X1 1/4 FENDER
4D FF 55P 0	5/16"X1 1/2 FENDER
4E FF 55P 0	3/8"X1 1/2 FENDER
4G FF 52P 0	1/2"X2 FENDER

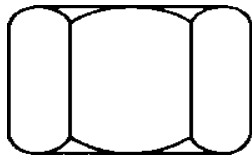
NYLON



44 FW 00N 0	#4 NYLON FLAT
46 FW 00N 0	#6 NYLON FLAT
48 FW 00N 0	#8 NYLON FLAT
4A FW 00N 0	#10 NYLON FLAT
4C FW 00N 0	1/4" NYLON FLAT
4D FW 00N 0	5/16" NYLON FLAT
4E FW 00N 0	3/8" NYLON FLAT
4G FW 00N 0	1/2" NYLON FLAT

HEX NUTS

FINISH



USS

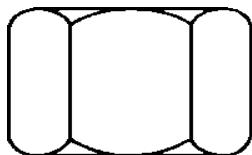
32 HN 5UP 0	2-56 HEX NUT
34 HN 5UP 0	4-40 HEX NUT
35 HN 5UP 0	5-40 HEX NUT
36 HN 5UP 0	6-32 HEX NUT
38 HN 5UP 0	8-32 HEX NUT
3A HN 5UP 0	10-24 HEX NUT
3B HN 5UP 0	12-24 HEX NUT
3C HN 5UP 0	1/4-20 HEX NUT
3D HN 5UP 0	5/16-18 HEX NUT
3E HN 5UP 0	3/8-16 HEX NUT
3F HN 5UP 0	7/16-14 HEX NUT
3G HN 5UP 0	1/2-13 HEX NUT
3H HN 5UP 0	9/16-12 HEX NUT
3J HN 5UP 0	5/8-11 HEX NUT
3K HN 5UP 0	3/4-10 HEX NUT
3L HN 5UP 0	7/8-9 HEX NUT
3M HN 5UP 0	1-8 HEX NUT

SAE

3A HN 5SP 0	10-32 HEX NUT
3C HN 5SP 0	1/4-28 HEX NUT
3D HN 5SP 0	5/16-24 HEX NUT
3E HN 5SP 0	3/8-24 HEX NUT
3F HN 5SP 0	7/16-20 HEX NUT
3G HN 5SP 0	1/2-20 HEX NUT
3H HN 5SP 0	9/16-18 HEX NUT
3J HN 5SP 0	5/8-18 HEX NUT
3K HN 5SP 0	3/4-16 HEX NUT
3L HN 5SP 0	7/8-14 HEX NUT
3M HN 5SP 0	1-14 HEX NUT

HEX NUTS

GRADE 8



USS

3C HN 8UP 0	1/4-20 HEX NUT
3D HN 8UP 0	5/16-18 HEX NUT
3E HN 8UP 0	3/8-16 HEX NUT
3F HN 8UP 0	7/16-14 HEX NUT
3G HN 8UP 0	1/2-13 HEX NUT
3H HN 8UP 0	9/16-12 HEX NUT
3J HN 8UP 0	5/8-11 HEX NUT
3K HN 8UP 0	3/4-10 HEX NUT
3L HN 8UP 0	7/8-9 HEX NUT
3M HN 8UP 0	1-8 HEX NUT

SAE

3C HN 8SP 0	1/4-28 HEX NUT
3D HN 8SP 0	5/16-24 HEX NUT
3E HN 8SP 0	3/8-24 HEX NUT
3F HN 8SP 0	7/16-20 HEX NUT
3G HN 8SP 0	1/2-20 HEX NUT
3H HN 8SP 0	9/16-18 HEX NUT
3J HN 8SP 0	5/8-18 HEX NUT
3K HN 8SP 0	3/4-16 HEX NUT
3L HN 8SP 0	7/8-14 HEX NUT
3M HN 8SP 0	1-14 HEX NUT

STOVER LOCK NUTS

GRADE C
(GRADE 8)



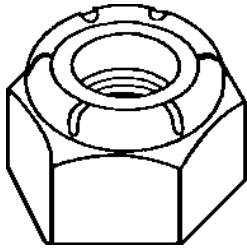
USS

3C ST CUP 0	1/4-20 STOVER NUT
3D ST CUP 0	5/16-18 STOVER NUT
3E ST CUP 0	3/8-16 STOVER NUT
3F ST CUP 0	7/16-14 STOVER NUT
3G ST CUP 0	1/2-13 STOVER NUT
3H ST CUP 0	9/16-12 STOVER NUT
3J ST CUP 0	5/8-11 STOVER NUT
3K ST CUP 0	3/4-10 STOVER NUT
3L ST CUP 0	7/8-9 STOVER NUT
3M ST CUP 0	1-8 STOVER NUT

SAE

3C ST CSP 0	1/4-28 STOVER NUT
3D ST CSP 0	5/16-24 STOVER NUT
3E ST CSP 0	3/8-24 STOVER NUT
3F ST CSP 0	7/16-20 STOVER NUT
3G ST CSP 0	1/2-20 STOVER NUT
3H ST CSP 0	9/16-18 STOVER NUT
3J ST CSP 0	5/8-18 STOVER NUT
3K ST CSP 0	3/4-16 STOVER NUT
3L ST CSP 0	7/8-14 STOVER NUT
3M ST CSP 0	1-14 STOVER NUT

NYLON LOCK NUTS



USS

34 NL 5UP 0	4-40 NYLON LOCK NUT
36 NL 5UP 0	6-32 NYLON LOCK NUT
38 NL 5UP 0	8-32 NYLON LOCK NUT
3A NL 5UP 0	10-24 NYLON LOCK NUT
3C NL 5UP 0	1/4-20 NYLON LOCK NUT
3D NL 5UP 0	5/16-18 NYLON LOCK NUT
3E NL 5UP 0	3/8-16 NYLON LOCK NUT
3F NL 5UP 0	7/16-14 NYLON LOCK NUT
3G NL 5UP 0	1/2-13 NYLON LOCK NUT
3H NL 5UP 0	9/16-12 NYLON LOCK NUT
3J NL 5UP 0	5/8-11 NYLON LOCK NUT
3K NL 5UP 0	3/4-10 NYLON LOCK NUT
3L NL 5UP 0	7/8-9 NYLON LOCK NUT
3M NL 5UP 0	1-8 NYLON LOCK NUT

└ 5=GRADE 5
└ 8=GRADE 8

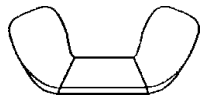
SAE

3A NL 5SP 0	10-32 NYLON LOCK NUT
3C NL 5SP 0	1/4-28 NYLON LOCK NUT
3D NL 5SP 0	5/16-24 NYLON LOCK NUT
3E NL 5SP 0	3/8-24 NYLON LOCK NUT
3F NL 5SP 0	7/16-20 NYLON LOCK NUT
3G NL 5SP 0	1/2-20 NYLON LOCK NUT
3H NL 5SP 0	9/16-18 NYLON LOCK NUT
3J NL 5SP 0	5/8-18 NYLON LOCK NUT
3K NL 5SP 0	3/4-16 NYLON LOCK NUT
3L NL 5SP 0	7/8-14 NYLON LOCK NUT
3M NL 5SP 0	1-14 NYLON LOCK NUT

└ 5=GRADE 5
└ 8=GRADE 8

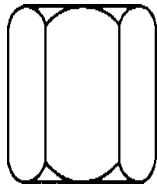
NUTS

WING NUTS



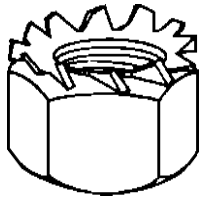
36 WN 2UP 0	6-32 WING NUT
38 WN 2UP 0	8-32 WING NUT
3A WN 2UP 0	10-24 WING NUT
3A WN 2SP 0	10-32 WING NUT
3C WN 2UP 0	1/4-20 WING NUT
3D WN 2UP 0	5/16-18 WING NUT
3E WN 2UP 0	3/8-16 WING NUT
3F WN 2UP 0	7/16-14 WING NUT
3G WN 2UP 0	1/2-13 WING NUT

HI NUTS



3E H1 8SB 0	3/8-24 HI NUT
3F H1 8SB 0	7/16-20 HI NUT
3G H1 8SB 0	1/2-20 HI NUT
3H H1 8SB 0	9/16-18 HI NUT
3J H1 8SB 0	5/8-18 HI NUT
3K H1 8SB 0	3/4-16 HI NUT
3L H1 8SB 0	7/8-14 HI NUT
3M H1 8SB 0	1-14 HI NUT
3P H1 8SB 0	1 1/8-12 HI NUT
3Q H1 8SB 0	1 1/4-12 HI NUT
3R H1 8SB 0	1 3/8-12 HI NUT
3S H1 8SB 0	1 1/2-12 HI NUT

LOCK NUTS



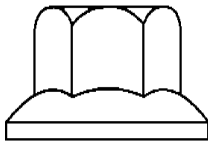
USS

KEP NUTS

34 KN 5UP 0 4-40 KEP NUT
36 KN 5UP 0 6-32 KEP NUT
38 KN 5UP 0 8-32 KEP NUT
3A KN 5UP 0 10-24 KEP NUT
3C KN 5UP 0 1/4-20 KEP NUT
3D KN 5UP 0 5/16-18 KEP NUT
3E KN 5UP 0 3/8-16 KEP NUT

SAE

3A KN 5SP 0 10-32 KEP NUT
3C KN 5SP 0 1/4-28 KEP NUT
3D KN 5SP 0 5/16-24 KEP NUT
3E KN 5SP 0 3/8-24 KEP NUT



USS

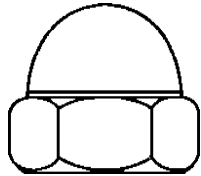
FLANGE NUTS

36 FN 5UP 0 6-32 FLANGE NUT
38 FN 5UP 0 8-32 FLANGE NUT
3A FN 5UP 0 10-24 FLANGE NUT
3C FN 5UP 0 1/4-20 FLANGE NUT
3D FN 5UP 0 5/16-18 FLANGE NUT
3E FN 5UP 0 3/8-16 FLANGE NUT
3F FN 5UP 0 7/16-14 FLANGE NUT
3G FN 5UP 0 1/2-13 FLANGE NUT
3J FN 5UP 0 5/8-11 FLANGE NUT
3K FN 5UP 0 3/4-10 FLANGE NUT

SAE

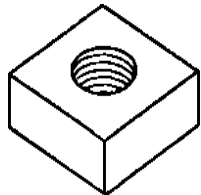
3A FN 5SP 0 10-32 FLANGE NUT
3C FN 5SP 0 1/4-28 FLANGE NUT
3D FN 5SP 0 5/16-24 FLANGE NUT
3E FN 5SP 0 3/8-24 FLANGE NUT
3F FN 5SP 0 7/16-24 FLANGE NUT
3G FN 5SP 0 1/2-20 FLANGE NUT

NUTS



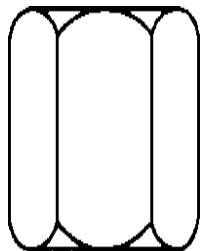
ACORN OR CAP NUTS

36 AC 5UP 0 6-32 ACORN NUT
38 AC 5UP 0 8-32 ACORN NUT
3A AC 5UP 0 10-24 ACORN NUT
3A AC 5SP 0 10-32 ACORN NUT
3C AC 5UP 0 1/4-20 ACORN NUT
3D AC 5UP 0 5/16-18 ACORN NUT
3E AC 5UP 0 3/8-16 ACORN NUT
3G AC 5UP 0 1/2-13 ACORN NUT
3J AC 5UP 0 5/8-11 ACORN NUT



SQUARE NUTS

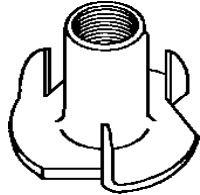
36 SQ 5UP 0 6-32 SQUARE NUT
38 SQ 5UP 0 8-32 SQUARE NUT
3A SQ 5UP 0 10-24 SQUARE NUT
3A SQ 5SP 0 10-32 SQUARE NUT
3B SQ 5UP 0 12-24 SQUARE NUT
3C SQ 5UP 0 1/4-20 SQUARE NUT
3D SQ 5UP 0 5/16-18 SQUARE NUT
3E SQ 5UP 0 3/8-16 SQUARE NUT



COUPLING NUTS

3C CP 5UP 0 1/4-20 COUPLING NUT
3D CP 5UP 0 5/16-18 COUPLING NUT
3E CP 5UP 0 3/8-16 COUPLING NUT
3G CP 5UP 0 1/2-13 COUPLING NUT
3J CP 5UP 0 5/8-11 COUPLING NUT
3K CP 5UP 0 3/4-10 COUPLING NUT
3M CP 5UP 0 1-8 COUPLING NUT

NUTS



TEE NUTS

3A TN 2UP 0	10-24 TEE NUT
3A TN 2SP 0	10-32 TEE NUT
3C TN 2UP 0	1/4-20 TEE NUT
3D TN 2UP 0	5/16-18 TEE NUT
3E TN 2UP 0	3/8-16 TEE NUT



USS

JAM NUTS

3C JN 5UP 0	1/4-20 JAM NUT
3D JN 5UP 0	5/16-18 JAM NUT
3E JN 5UP 0	3/8-16 JAM NUT
3F JN 5UP 0	7/16-14 JAM NUT
3G JN 5UP 0	1/2-13 JAM NUT
3H JN 5UP 0	9/16-12 JAM NUT
3J JN 5UP 0	5/8-11 JAM NUT

SAE

3C JN 5SP 0	1/4-28 JAM NUT
3D JN 5SP 0	5/16-24 JAM NUT
3E JN 5SP 0	3/8-24 JAM NUT
3F JN 5SP 0	7/16-20 JAM NUT
3G JN 5SP 0	1/2-20 JAM NUT
3H JN 5SP 0	9/16-18 JAM NUT
3J JN 5SP 0	5/8-18 JAM NUT



SMALL PATTERN NUTS

34 HN 5UP X	4-40 SMALL PATTERN
36 HN 5UP X	6-32 SMALL PATTERN
38 HN 5UP X	8-32 SMALL PATTERN
3A HN 5SP X	10-32 SMALL PATTERN

NON FERROUS NUTS



USS

STAINLESS STEEL

34 HN 5US 0	4-40 STAINLESS NUT
36 HN 5US 0	6-32 STAINLESS NUT
38 HN 5US 0	8-32 STAINLESS NUT
3A HN 5US 0	10-24 STAINLESS NUT
3C HN 5US 0	1/4-20 STAINLESS NUT
3D HN 5US 0	5/16-18 STAINLESS NUT
3E HN 5US 0	3/8-16 STAINLESS NUT
3F HN 5US 0	7/16-14 STAINLESS NUT
3G HN 5US 0	1/2-13 STAINLESS NUT
3J HN 5US 0	5/8-11 STAINLESS NUT

SAE

3A HN 5SS 0	10-32 STAINLESS NUT
3C HN 5SS 0	1/4-28 STAINLESS NUT
3D HN 5SS 0	5/16-24 STAINLESS NUT
3E HN 5SS 0	3/8-24 STAINLESS NUT
3F HN 5SS 0	7/16-20 STAINLESS NUT
3G HN 5SS 0	1/2-20 STAINLESS NUT
3J HN 5SS 0	5/8-18 STAINLESS NUT



USS

BRASS

34 HN 5UA 0	4-40 BRASS NUT
36 HN 5UA 0	6-32 BRASS NUT
38 HN 5UA 0	8-32 BRASS NUT
3A HN 5UA 0	10-24 BRASS NUT
3C HN 5UA 0	1/4-20 BRASS NUT
3D HN 5UA 0	5/16-18 BRASS NUT
3E HN 5UA 0	3/8-16 BRASS NUT

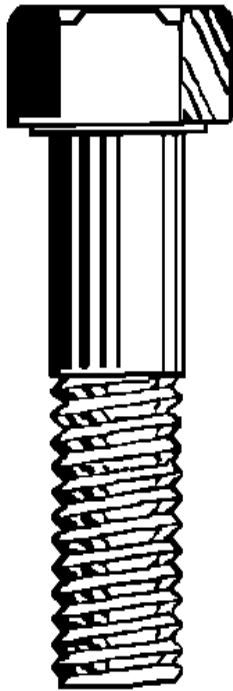
SAE

3A HN 5SA 0	10-32 BRASS NUT
3C HN 5SA 0	1/4-28 BRASS NUT
3D HN 5SA 0	5/16-24 BRASS NUT
3E HN 5SA 0	3/8-24 BRASS NUT

Alpine Supply

We have Connections!

METRIC 8.8 BOLTS



MB 48 706 P	4-.7X6 MM
MB 48 708 P	4-.7X8 MM
MB 48 710 P	4-.7X10 MM
MB 48 712 P	4-.7X12 MM
MB 48 716 P	4-.7X16 MM
MB 48 720 P	4-.7X20 MM
MB 48 725 P	4-.7X25 MM
MB 48 730 P	4-.7X30 MM
MB 48 735 P	4-.7X35 MM
MB 48 740 P	4-.7X40 MM
MB 48 750 P	4-.7X50 MM

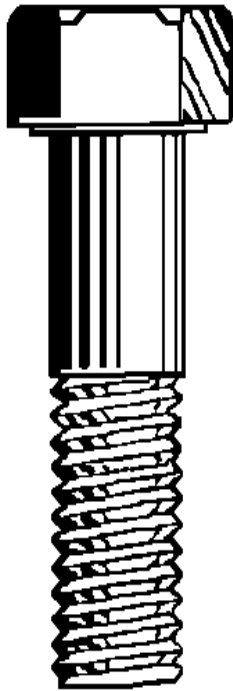
MB 58 810 P	5-.8X10 MM
MB 58 812 P	5-.8X12 MM
MB 58 816 P	5-.8X16 MM
MB 58 818 P	5-.8X18 MM
MB 58 820 P	5-.8X20 MM
MB 58 825 P	5-.8X25 MM
MB 58 830 P	5-.8X30 MM
MB 58 835 P	5-.8X35 MM
MB 58 840 P	5-.8X40 MM
MB 58 845 P	5-.8X45 MM
MB 58 850 P	5-.8X50 MM

MB 68 A10 P	6-1.0X10 MM
MB 68 A12 P	6-1.0X12 MM
MB 68 A16 P	6-1.0X16 MM
MB 68 A18 P	6-1.0X18 MM
MB 68 A20 P	6-1.0X20 MM
MB 68 A22 P	6-1.0X22 MM
MB 68 A25 P	6-1.0X25 MM
MB 68 A28 P	6-1.0X28 MM
MB 68 A30 P	6-1.0X30 MM
MB 68 A35 P	6-1.0X35 MM
MB 68 A40 P	6-1.0X40 MM
MB 68 A45 P	6-1.0X45 MM
MB 68 A50 P	6-1.0X50 MM
MB 68 A55 P	6-1.0X55 MM
MB 68 A60 P	6-1.0X60 MM
MB 68 A65 P	6-1.0X65 MM
MB 68 A70 P	6-1.0X70 MM
MB 68 A80 P	6-1.0X80 MM

Alpine Supply

We have Connections!

METRIC 8.8 BOLTS



MB 78 A10 P	7-1.0X10 MM
MB 78 A12 P	7-1.0X12 MM
MB 78 A16 P	7-1.0X16 MM
MB 78 A20 P	7-1.0X20 MM
MB 78 A25 P	7-1.0X25 MM
MB 78 A30 P	7-1.0X30 MM
MB 78 A35 P	7-1.0X35 MM
MB 78 A40 P	7-1.0X40 MM
MB 78 A50 P	7-1.0X50 MM

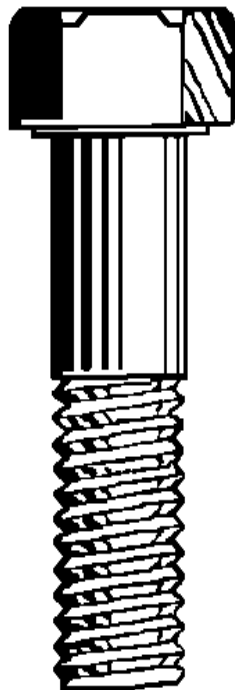
MB 88 B10 P	8-1.25X10 MM
MB 88 B12 P	8-1.25X12 MM
MB 88 B16 P	8-1.25X16 MM
MB 88 B20 P	8-1.25X20 MM
MB 88 B22 P	8-1.25X22 MM
MB 88 B25 P	8-1.25X25 MM
MB 88 B28 P	8-1.25X28 MM
MB 88 B30 P	8-1.25X30 MM
MB 88 B35 P	8-1.25X35 MM
MB 88 B40 P	8-1.25X40 MM
MB 88 B45 P	8-1.25X45 MM
MB 88 B50 P	8-1.25X50 MM
MB 88 B55 P	8-1.25X55 MM
MB 88 B60 P	8-1.25X60 MM
MB 88 B65 P	8-1.25X65 MM
MB 88 B70 P	8-1.25X70 MM
MB 88 B75 P	8-1.25X75 MM
MB 88 B80 P	8-1.25X80 MM
MB 88 B90 P	8-1.25X90 MM

MB A8 C20 P	10-1.5X20 MM
MB A8 C30 P	10-1.5X30 MM
MB A8 C35 P	10-1.5X35 MM
MB A8 C40 P	10-1.5X40 MM
MB A8 C45 P	10-1.5X45 MM
MB A8 C50 P	10-1.5X50 MM
MB A8 C55 P	10-1.5X55 MM
MB A8 C60 P	10-1.5X60 MM
MB A8 C65 P	10-1.5X65 MM
MB A8 C70 P	10-1.5X70 MM
MB A8 C75 P	10-1.5X75 MM
MB A8 C80 P	10-1.5X80 MM
MB A8 C90 P	10-1.5X90 MM

Alpine Supply

We have Connections!

METRIC 8.8 BOLTS



MB B8 D20 P	12-1.75X20 MM
MB B8 D25 P	12-1.75X25 MM
MB B8 D30 P	12-1.75X30 MM
MB B8 D35 P	12-1.75X35 MM
MB B8 D40 P	12-1.75X40 MM
MB B8 D45 P	12-1.75X45 MM
MB B8 D50 P	12-1.75X50 MM
MB B8 D55 P	12-1.75X55 MM
MB B8 D60 P	12-1.75X60 MM
MB B8 D65 P	12-1.75X65 MM
MB B8 D70 P	12-1.75X70 MM
MB B8 D75 P	12-1.75X75 MM
MB B8 D80 P	12-1.75X80 MM
MB B8 D90 P	12-1.75X90 MM

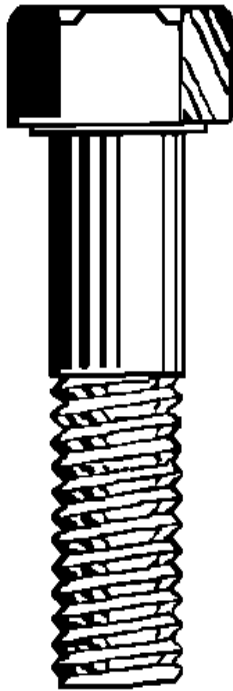
MB C8 E20 P	14-2.0X20 MM
MB C8 E25 P	14-2.0X25 MM
MB C8 E30 P	14-2.0X30 MM
MB C8 E35 P	14-2.0X35 MM
MB C8 E40 P	14-2.0X40 MM
MB C8 E45 P	14-2.0X45 MM
MB C8 E50 P	14-2.0X50 MM
MB C8 E55 P	14-2.0X55 MM
MB C8 E60 P	14-2.0X60 MM
MB C8 E65 P	14-2.0X65 MM
MB C8 E70 P	14-2.0X70 MM

MB D8 E20 P	16-2.0X20 MM
MB D8 E25 P	16-2.0X25 MM
MB D8 E30 P	16-2.0X30 MM
MB D8 E35 P	16-2.0X35 MM
MB D8 E40 P	16-2.0X40 MM
MB D8 E45 P	16-2.0X45 MM
MB D8 E50 P	16-2.0X50 MM
MB D8 E55 P	16-2.0X55 MM
MB D8 E60 P	16-2.0X60 MM
MB D8 E65 P	16-2.0X65 MM
MB D8 E70 P	16-2.0X70 MM
MB D8 E75 P	16-2.0X75 MM
MB D8 E80 P	16-2.0X80 MM
MB D8 E90 P	16-2.0X90 MM

Alpine Supply

We have Connections!

METRIC 10.9 BOLTS



MB 4A 706 P	4-.7X6 MM
MB 4A 708 P	4-.7X8 MM
MB 4A 710 P	4-.7X10 MM
MB 4A 712 P	4-.7X12 MM
MB 4A 716 P	4-.7X16 MM
MB 4A 720 P	4-.7X20 MM
MB 4A 725 P	4-.7X25 MM
MB 4A 730 P	4-.7X30 MM
MB 4A 735 P	4-.7X35 MM
MB 4A 740 P	4-.7X40 MM
MB 4A 750 P	4-.7X50 MM

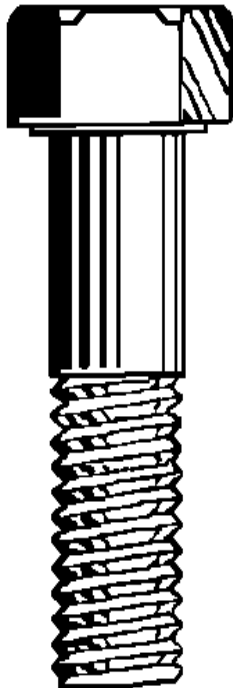
MB 5A 808 P	5-.8X8 MM
MB 5A 810 P	5-.8X10 MM
MB 5A 812 P	5-.8X12 MM
MB 5A 816 P	5-.8X16 MM
MB 5A 818 P	5-.8X18 MM
MB 5A 820 P	5-.8X20 MM
MB 5A 825 P	5-.8X25 MM
MB 5A 830 P	5-.8X30 MM
MB 5A 835 P	5-.8X35 MM
MB 5A 840 P	5-.8X40 MM
MB 5A 845 P	5-.8X45 MM
MB 5A 850 P	5-.8X50 MM

MB 6A A10 P	6-1.0X10 MM
MB 6A A12 P	6-1.0X12 MM
MB 6A A16 P	6-1.0X16 MM
MB 6A A18 P	6-1.0X18 MM
MB 6A A20 P	6-1.0X20 MM
MB 6A A22 P	6-1.0X22 MM
MB 6A A25 P	6-1.0X25 MM
MB 6A A30 P	6-1.0X30 MM
MB 6A A35 P	6-1.0X35 MM
MB 6A A40 P	6-1.0X40 MM
MB 6A A45 P	6-1.0X45 MM
MB 6A A50 P	6-1.0X50 MM
MB 6A A55 P	6-1.0X55 MM
MB 6A A60 P	6-1.0X60 MM
MB 6A A65 P	6-1.0X65 MM
MB 6A A70 P	6-1.0X70 MM

Alpine Supply

We have Connections!

METRIC 10.9 BOLTS



MB 7A A10 P	7-1.0X10 MM
MB 7A A12 P	7-1.0X12 MM
MB 7A A16 P	7-1.0X16 MM
MB 7A A20 P	7-1.0X20 MM
MB 7A A25 P	7-1.0X25 MM
MB 7A A30 P	7-1.0X30 MM
MB 7A A35 P	7-1.0X35 MM
MB 7A A40 P	7-1.0X40 MM
MB 7A A50 P	7-1.0X50 MM

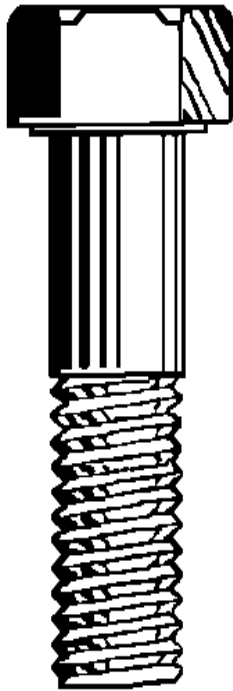
MB 8A B10 P	8-1.25X10 MM
MB 8A B12 P	8-1.25X12 MM
MB 8A B14 P	8-1.25X14 MM
MB 8A B16 P	8-1.25X16 MM
MB 8A B18 P	8-1.25X18 MM
MB 8A B20 P	8-1.25X20 MM
MB 8A B22 P	8-1.25X22 MM
MB 8A B25 P	8-1.25X25 MM
MB 8A B30 P	8-1.25X30 MM
MB 8A B35 P	8-1.25X35 MM
MB 8A B40 P	8-1.25X40 MM
MB 8A B45 P	8-1.25X45 MM
MB 8A B50 P	8-1.25X50 MM
MB 8A B55 P	8-1.25X55 MM
MB 8A B60 P	8-1.25X60 MM
MB 8A B65 P	8-1.25X65 MM
MB 8A B70 P	8-1.25X70 MM

MB AA C20 P	10-1.5X20 MM
MB AA C25 P	10-1.5X25 MM
MB AA C30 P	10-1.5X30 MM
MB AA C35 P	10-1.5X35 MM
MB AA C40 P	10-1.5X40 MM
MB AA C45 P	10-1.5X45 MM
MB AA C50 P	10-1.5X50 MM
MB AA C55 P	10-1.5X55 MM
MB AA C60 P	10-1.5X60 MM
MB AA C65 P	10-1.5X65 MM
MB AA C70 P	10-1.5X70 MM
MB AA C75 P	10-1.5X75 MM
MB AA C80 P	10-1.5X80 MM

Alpine Supply

We have Connections!

METRIC 10.9 BOLTS



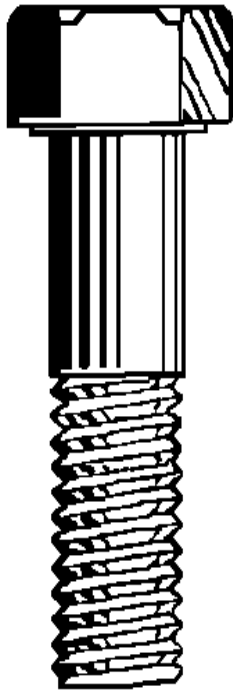
MB BA D20 P	12-1.75X20 MM
MB BA D25 P	12-1.75X25 MM
MB BA D30 P	12-1.75X30 MM
MB BA D35 P	12-1.75X35 MM
MB BA D40 P	12-1.75X40 MM
MB BA D45 P	12-1.75X45 MM
MB BA D50 P	12-1.75X50 MM
MB BA D55 P	12-1.75X55 MM
MB BA D60 P	12-1.75X60 MM
MB BA D65 P	12-1.75X65 MM
MB BA D70 P	12-1.75X70 MM
MB BA D80 P	12-1.75X80 MM
MB BA D90 P	12-1.75X90 MM

MB CA E20 P	14-2.0X20 MM
MB CA E25 P	14-2.0X25 MM
MB CA E30 P	14-2.0X30 MM
MB CA E35 P	14-2.0X35 MM
MB CA E40 P	14-2.0X40 MM
MB CA E45 P	14-2.0X45 MM
MB CA E50 P	14-2.0X50 MM
MB CA E55 P	14-2.0X55 MM
MB CA E60 P	14-2.0X60 MM
MB CA E65 P	14-2.0X65 MM
MB CA E70 P	14-2.0X70 MM

MB DA E20 P	16-2.0X20 MM
MB DA E25 P	16-2.0X25 MM
MB DA E30 P	16-2.0X30 MM
MB DA E35 P	16-2.0X35 MM
MB DA E40 P	16-2.0X40 MM
MB DA E45 P	16-2.0X45 MM
MB DA E50 P	16-2.0X50 MM
MB DA E55 P	16-2.0X55 MM
MB DA E60 P	16-2.0X60 MM
MB DA E65 P	16-2.0X65 MM
MB DA E70 P	16-2.0X70 MM

METRIC 8.8 BOLTS

FINE PITCH

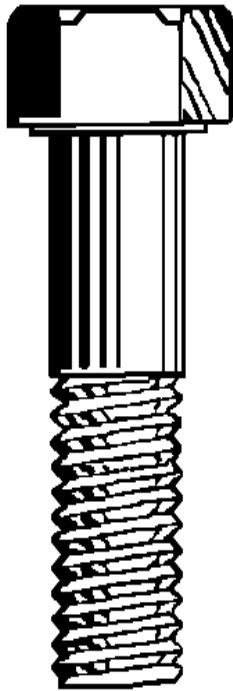


MB 88 A10 P	8-1.0X10 MM
MB 88 A12 P	8-1.0X12 MM
MB 88 A14 P	8-1.0X14 MM
MB 88 A16 P	8-1.0X16 MM
MB 88 A20 P	8-1.0X20 MM
MB 88 A25 P	8-1.0X25 MM
MB 88 A30 P	8-1.0X30 MM
MB 88 A35 P	8-1.0X35 MM
MB 88 A40 P	8-1.0X40 MM
MB 88 A45 P	8-1.0X45 MM
MB 88 A50 P	8-1.0X50 MM
MB 88 A55 P	8-1.0X55 MM
MB 88 A60 P	8-1.0X60 MM
MB 88 A65 P	8-1.0X65 MM
MB 88 A70 P	8-1.0X70 MM

MB A8 B20 P	10-1.25X20 MM
MB A8 B25 P	10-1.25X25 MM
MB A8 B30 P	10-1.25X30 MM
MB A8 B35 P	10-1.25X235 MM
MB A8 B40 P	10-1.25X40 MM
MB A8 B45 P	10-1.25X45 MM
MB A8 B50 P	10-1.25X50 MM
MB A8 B55 P	10-1.25X55 MM
MB A8 B60 P	10-1.25X60 MM
MB A8 B65 P	10-1.25X65 MM
MB A8 B70 P	10-1.25X70 MM
MB A8 B75 P	10-1.25X75 MM
MB A8 B80 P	10-1.25X80 MM
MB A8 B90 P	10-1.25X90 MM

METRIC 8.8 BOLTS

FINE PITCH



MB B8 B20 P	12-1.25X20 MM
MB B8 B25 P	12-1.25X25 MM
MB B8 B30 P	12-1.25X30 MM
MB B8 B35 P	12-1.25X35 MM
MB B8 B40 P	12-1.25X40 MM
MB B8 B45 P	12-1.25X45 MM
MB B8 B50 P	12-1.25X50 MM
MB B8 B55 P	12-1.25X55 MM
MB B8 B60 P	12-1.25X60 MM
MB B8 B65 P	12-1.25X65 MM
MB B8 B70 P	12-1.25X70 MM

MB C8 C20 P	14-1.5X20 MM
MB C8 C25 P	14-1.5X25 MM
MB C8 C30 P	14-1.5X30 MM
MB C8 C35 P	14-1.5X35 MM
MB C8 C40 P	14-1.5X40 MM
MB C8 C45 P	14-1.5X45 MM
MB C8 C50 P	14-1.5X50 MM
MB C8 C55 P	14-1.5X55 MM
MB C8 C60 P	14-1.5X60 MM
MB C8 C65 P	14-1.5X65 MM
MB C8 C70 P	14-1.5X70 MM

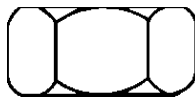
MB D8 C20 P	16-1.5X20 MM
MB D8 C25 P	16-1.5X25 MM
MB D8 C30 P	16-1.5X30 MM
MB D8 C35 P	16-1.5X35 MM
MB D8 C40 P	16-1.5X40 MM
MB D8 C45 P	16-1.5X45 MM
MB D8 C50 P	16-1.5X50 MM
MB D8 C55 P	16-1.5X55 MM
MB D8 C60 P	16-1.5X60 MM
MB D8 C65 P	16-1.5X65 MM
MB D8 C70 P	16-1.5X70 MM

Alpine Supply

We have Connections!

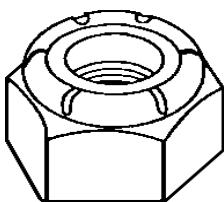
METRIC NUTS

HEX NUT



MN HN 835 P	3MM .5 PITCH
MN HN 847 P	4MM .7 PITCH
MN HN 858 P	5MM .8 PITCH
MN HN 86A P	6MM 1.0 PITCH
MN HN 87A P	7MM 1.0 PITCH
MN HN 88A P	8MM 1.0 PITCH
MN HN 88B P	8MM 1.25 PITCH
MN HN 8AA P	10MM 1.0 PITCH
MN HN 8AB P	10MM 1.25 PITCH
MN HN 8AC P	10MM 1.5 PITCH
MN HN 8BB P	12MM 1.25 PITCH
MN HN 8BC P	12MM 1.5 PITCH
MN HN 8BD P	12MM 1.75 PITCH
MN HN 8CC P	14MM 1.5 PITCH
MN HN 8CE P	14MM 2.0 PITCH
MN HN 8DC P	16MM 1.5 PITCH
MN HN 8DE P	16MM 2.0 PITCH
MN HN 8FF P	18MM 2.5 PITCH
MN HN 8HF P	20MM 2.5 PITCH

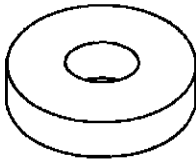
NYLON LOCK



MN NL 835 P	3MM .5 PITCH
MN NL 847 P	4MM .7 PITCH
MN NL 858 P	5MM .8 PITCH
MN NL 86A P	6MM 1.0 PITCH
MN NL 87A P	7MM 1.0 PITCH
MN NL 88A P	8MM 1.0 PITCH
MN NL 88B P	8MM 1.25 PITCH
MN NL 8AA P	10MM 1.0 PITCH
MN NL 8AB P	10MM 1.25 PITCH
MN NL 8AC P	10MM 1.5 PITCH
MN NL 8BB P	12MM 1.25 PITCH
MN NL 8BC P	12MM 1.5 PITCH
MN NL 8BD P	12MM 1.75 PITCH
MN NL 8CC P	14MM 1.5 PITCH
MN NL 8CE P	14MM 2.0 PITCH
MN NL 8DE P	16MM 2.0 PITCH
MN NL 8FF P	18MM 2.5 PITCH
MN NL 8HF P	20MM 2.5 PITCH

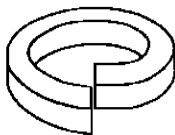
METRIC WASHERS

FLATWASHER



MW FW 300 P	3MM
MW FW 400 P	4MM
MW FW 500 P	5MM
MW FW 600 P	6MM
MW FW 700 P	7MM
MW FW 800 P	8MM
MW FW A00 P	10MM
MW FW B00 P	12MM
MW FW C00 P	14MM
MW FW D00 P	16MM
MW FW F00 P	18MM
MW FW H00 P	20MM

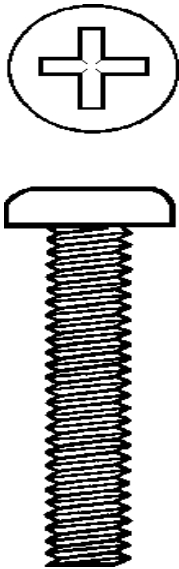
SPLIT LOCK WASHER



MW LW 300 P	3MM
MW LW 400 P	4MM
MW LW 500 P	5MM
MW LW 600 P	6MM
MW LW 700 P	7MM
MW LW 800 P	8MM
MW LW A00 P	10MM
MW LW B00 P	12MM
MW LW C00 P	14MM
MW LW D00 P	16MM
MW LW F00 P	18MM
MW LW H00 P	20MM

MACHINE SCREW

PAN HEAD-PHILLIPS



3MM-.5

<u>PART NUMBER</u>	<u>LENGTH</u>
MM 3P 504 P	4 MM
MM 3P 505 P	5 MM
MM 3P 506 P	6 MM
MM 3P 508 P	8 MM
MM 3P 510 P	10 MM
MM 3P 512 P	12 MM
MM 3P 516 P	16 MM
MM 3P 520 P	20 MM

4MM-.7

<u>PART NUMBER</u>	<u>LENGTH</u>
MM 4P 706 P	6 MM
MM 4P 708 P	8 MM
MM 4P 710 P	10 MM
MM 4P 712 P	12 MM
MM 4P 716 P	16 MM
MM 4P 718 P	18 MM
MM 4P 720 P	20 MM
MM 4P 725 P	25 MM

5MM-.8

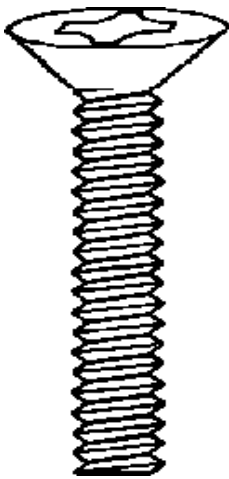
MM 5P 806 P	6 MM
MM 5P 808 P	8 MM
MM 5P 810 P	10 MM
MM 5P 812 P	12 MM
MM 5P 814 P	14 MM
MM 5P 816 P	16 MM
MM 5P 820 P	20 MM
MM 5P 825 P	25 MM
MM 5P 830 P	30 MM
MM 5P 835 P	35 MM
MM 5P 840 P	40 MM
MM 5P 845 P	45 MM
MM 5P 850 P	50 MM

6MM-1.0

MM 6P A08 P	8 MM
MM 6P A10 P	10 MM
MM 6P A12 P	12 MM
MM 6P A14 P	14 MM
MM 6P A16 P	16 MM
MM 6P A20 P	20 MM
MM 6P A25 P	25 MM
MM 6P A30 P	30 MM
MM 6P A35 P	35 MM
MM 6P A40 P	40 MM
MM 6P A45 P	45 MM
MM 6P A50 P	50 MM

MACHINE SCREW

FLAT HEAD-PHILLIPS



3MM-.5

<u>PART NUMBER</u>	<u>LENGTH</u>
MM 3F 504 P	4 MM
MM 3F 505 P	5 MM
MM 3F 506 P	6 MM
MM 3F 508 P	8 MM
MM 3F 510 P	10 MM
MM 3F 512 P	12 MM
MM 3F 516 P	16 MM
MM 3F 520 P	20 MM

4MM-.7

<u>PART NUMBER</u>	<u>LENGTH</u>
MM 4F 706 P	6 MM
MM 4F 708 P	8 MM
MM 4F 710 P	10 MM
MM 4F 712 P	12 MM
MM 4F 716 P	16 MM
MM 4F 718 P	18 MM
MM 4F 720 P	20 MM
MM 4F 725 P	25 MM

5MM-.8

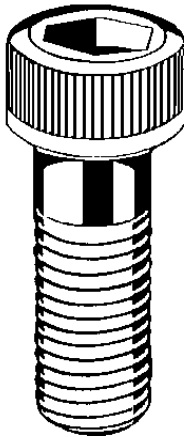
MM 5F 806 P	6 MM
MM 5F 808 P	8 MM
MM 5F 810 P	10 MM
MM 5F 812 P	12 MM
MM 5F 814 P	14 MM
MM 5F 816 P	16 MM
MM 5F 820 P	20 MM
MM 5F 825 P	25 MM
MM 5F 830 P	30 MM
MM 5F 835 P	35 MM
MM 5F 840 P	40 MM
MM 5F 845 P	45 MM
MM 5F 850 P	50 MM

6MM-1.0

MM 6F A08 P	8 MM
MM 6F A10 P	10 MM
MM 6F A12 P	12 MM
MM 6F A14 P	14 MM
MM 6F A16 P	16 MM
MM 6F A20 P	20 MM
MM 6F A25 P	25 MM
MM 6F A30 P	30 MM
MM 6F A35 P	35 MM
MM 6F A40 P	40 MM
MM 6F A45 P	45 MM
MM 6F A50 P	50 MM

SOCKET SCREW

SOCKET HEAD CAP SCREWS



4MM-.7

<u>PART NUMBER</u>	<u>LENGTH</u>
MS 4A 704 B	4 MM
MS 4A 705 B	5 MM
MS 4A 706 B	6 MM
MS 4A 708 B	8 MM
MS 4A 710 B	10 MM
MS 4A 712 B	12 MM
MS 4A 716 B	16 MM
MS 4A 720 B	20 MM

5MM-.8

<u>PART NUMBER</u>	<u>LENGTH</u>
MS 5A 806 B	6 MM
MS 5A 808 B	8 MM
MS 5A 810 B	10 MM
MS 5A 812 B	12 MM
MS 5A 816 B	16 MM
MS 5A 818 B	18 MM
MS 5A 820 B	20 MM
MS 5A 825 B	25 MM

6MM-1.0

MS 6A A08 B	8 MM
MS 6A A10 B	10 MM
MS 6A A12 B	12 MM
MS 6A A14 B	14 MM
MS 6A A16 B	16 MM
MS 6A A20 B	20 MM
MS 6A A25 B	25 MM
MS 6A A30 B	30 MM
MS 6A A35 B	35 MM
MS 6A A40 B	40 MM
MS 6A A45 B	45 MM
MS 6A A50 B	50 MM

8MM-1.25

MS 8A B08 B	8 MM
MS 8A B10 B	10 MM
MS 8A B12 B	12 MM
MS 8A B14 B	14 MM
MS 8A B16 B	16 MM
MS 8A B20 B	20 MM
MS 8A B25 B	25 MM
MS 8A B30 B	30 MM
MS 8A B35 B	35 MM
MS 8A B40 B	40 MM
MS 8A B45 B	45 MM
MS 8A B50 B	50 MM

STANDARD TAPPING SCREW THREADS



TYPE A (ASA-A): A thread forming screw for use in thin metal .015 to .050 thick. Used with drilled, punched or nested holes in sheet metal, resin impregnated plywood, asbestos combinations, among others.



TYPE B (ASA-B): A thread forming screw for use in heavier metal .050 to .200 thick. Larger root diameter with finer thread pitch for light and heavy sheet metal, non-ferrous castings, plastics, impregnated plywoods, asbestos combinations, and other materials.



TYPE BA (ASA-BA): A thread forming screw combining locating type point of Type A with thread size and pitch of Type B. Normal limitations of Type B apply.



TYPE BP (ASA-BP): Thread forming screw. Same as Type B but has a cone point for use where holes are slightly misaligned. Spaced thread.



TYPE C (ASA-C): A thread forming screw with either coarse or fine pitch machine screw thread and blunt tapered point. Eliminates chips and permits replacement with standard screw in field. Higher driving torque required. Usable in heavy sheet metal and die castings.



TYPE 17 (ASA-17): A thread cutting screw for wood with a coarse tapping screw thread and a special long sharp point fluted to capture chips.



TYPE 1 (ASA-D): A thread cutting screw with single flute for general use. Produces a fine standard machine screw thread for field replacement.



TYPE F (ASA-F): A thread cutting screw with machine screw thread with blunt tapered point, having multi-cutting edges and chip cavities. For heavy gauge sheet metal, aluminum, zinc, and lead die castings, cast iron, brass and plastic.



TYPE G (ASA-G): Thread cutting. Blunt Die Point with a single through slot to form two cutting edges. Machine screw threads. For same general use as type C but where less driving torque is required. For low strength metals and plastics.



TYPE 23 (ASA-T): A thread cutting screw in the fine thread series offering maximum thread cutting area and excellent chip clearing, with minimum tightening torques.



TYPE FZ (ASA-BF): A thread cutting screw with a tapping screw thread with blunt tapered point and multi-cutting edges and chip cavities. For plastics, die castings, metal clad and resin impregnated plywoods, and asbestos.



TYPE H (ASA-BG): Thread cutting. Space thread, blunt Die Point. Single slot has 2 cutting edges. Useful for brittle or friable material where threads too close together may cause material to crumble. Good in plastics and soft materials.



TYPE 25 (ASA-BT): A thread cutting screw similar to Type 23 point except with coarse Type B thread. For plastics and other soft materials with large chip clearing and cutting edges.

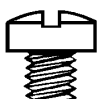


TYPE U (ASA-U): A thread forming screw with high Helix thread for driving or hammering into sheet metal, castings, fiber or plastics for permanent, quick assemblies.

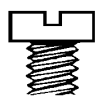
STANDARD HEAD STYLES OF SCREWS



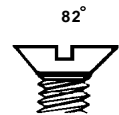
Binding--undercut unless otherwise specified--not recommended for phillips recess.



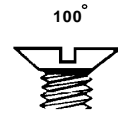
Fillister--deep slot used for counter bored holes



Flat Fillister--same as standard fillister without oval top



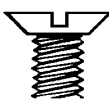
Flat 82°--used where flush surface is desired



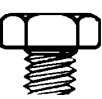
Flat 100°--larger head than 82°--used for thin metal soft plastic



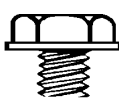
Flat Trim--same as 82° except diameter and countersink depth reduced.



Flat Undercut--standard 82° with lower 1/3 countersink removed for short screws



Hexagon--manufactured as trim hex or indented hex



Hex Washer--same as hexagon with washer section



Oval--same as flat head with rounded surface for appearance



Oval Trim--same as oval--smaller diameter and countersink



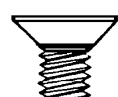
Oval Undercut--similar to flat undercut with rounded surface



Pan--recommended to replace round, truss, and binder



Round--general purpose (see pan head)



Round Countersunk--bolts only--similar to flat head with no driving recess



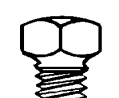
Round Washer--same as round head with integral washer for bearing surface



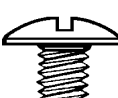
Square--bolts only--large bearing surface for wrench tightening



Square Countersunk--for use on plow bolts



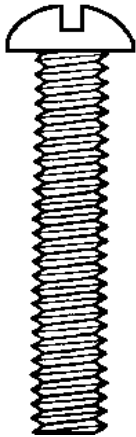
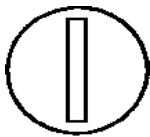
Square (Set Screw)--recommended for high torque assembly



Truss--similar to round head with larger diameter (See pan head)

MACHINE SCREW

ROUND HEAD-SLOTTED



2-56

<u>PART NUMBER</u>	<u>LENGTH</u>
12 RS PS0 2	1/4
12 RS PS0 3	3/8
12 RS PS0 5	1/2
12 RS PS0 6	5/8
12 RS PS0 7	3/4

4-40

<u>PART NUMBER</u>	<u>LENGTH</u>
14 RS PS0 2	1/4
14 RS PS0 3	3/8
14 RS PS0 5	1/2
14 RS PS0 6	5/8
14 RS PS0 7	3/4
14 RS PS1 0	1
14 RS PS1 2	1 1/4
14 RS PS1 5	1 1/2

6-32

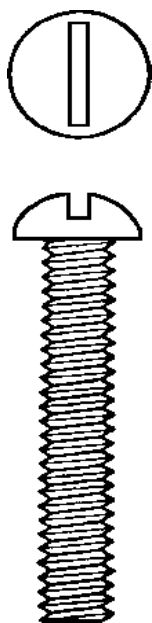
<u>PART NUMBER</u>	<u>LENGTH</u>
16 RS PS0 2	1/4
16 RS PS0 3	3/8
16 RS PS0 5	1/2
16 RS PS0 6	5/8
16 RS PS0 7	3/4
16 RS PS1 0	1
16 RS PS1 2	1 1/4
16 RS PS1 5	1 1/2
16 RS PS1 7	1 3/4
16 RS PS2 0	2
16 RS PS2 5	2 1/2
16 RS PS3 0	3
16 RS PS4 0	4

8-32

<u>PART NUMBER</u>	<u>LENGTH</u>
18 RS PS0 2	1/4
18 RS PS0 3	3/8
18 RS PS0 5	1/2
18 RS PS0 6	5/8
18 RS PS0 7	3/4
18 RS PS1 0	1
18 RS PS1 2	1 1/4
18 RS PS1 5	1 1/2
18 RS PS1 7	1 3/4
18 RS PS2 0	2
18 RS PS2 5	2 1/2
18 RS PS3 0	3
18 RS PS4 0	4

MACHINE SCREW

ROUND HEAD-SLOTTED



10-24

<u>PART NUMBER</u>	<u>LENGTH</u>
1A RS PS0 2	1/4
1A RS PS0 3	3/8
1A RS PS0 5	1/2
1A RS PS0 6	5/8
1A RS PS0 7	3/4
1A RS PS1 0	1
1A RS PS1 2	1 1/4
1A RS PS1 5	1 1/2
1A RS PS1 7	1 3/4
1A RS PS2 0	2
1A RS PS2 5	2 1/2
1A RS PS3 0	3
1A RS PS3 5	3 1/2
1A RS PS4 0	4
1A RS PS4 5	4 1/2
1A RS PS5 0	5
1A RS PS5 5	5 1/2
1A RS PS6 0	6

10-32

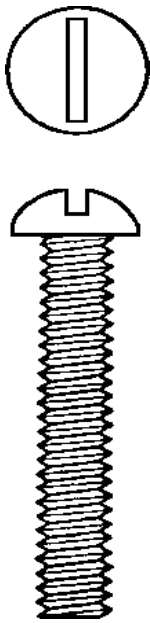
<u>PART NUMBER</u>	<u>LENGTH</u>
2A RS PS0 2	1/4
2A RS PS0 3	3/8
2A RS PS0 5	1/2
2A RS PS0 6	5/8
2A RS PS0 7	3/4
2A RS PS1 0	1
2A RS PS1 2	1 1/4
2A RS PS1 5	1 1/2
2A RS PS1 7	1 3/4
2A RS PS2 0	2
2A RS PS2 5	2 1/2
2A RS PS3 0	3

12-24

<u>PART NUMBER</u>	<u>LENGTH</u>
1B RS PS0 2	1/4
1B RS PS0 3	3/8
1B RS PS0 5	1/2
1B RS PS0 7	3/4
1B RS PS1 0	1
1B RS PS1 2	1 1/4
1B RS PS1 5	1 1/2
1B RS PS2 0	2
1B RS PS2 5	2 1/2
1B RS PS3 0	3

MACHINE SCREW

ROUND HEAD-SLOTTED



1/4-20

<u>PART NUMBER</u>	<u>LENGTH</u>
1C RS PS0 3	3/8
1C RS PS0 5	1/2
1C RS PS0 6	5/8
1C RS PS0 7	3/4
1C RS PS1 0	1
1C RS PS1 2	1 1/4
1C RS PS1 5	1 1/2
1C RS PS1 7	1 3/4
1C RS PS2 0	2
1C RS PS2 2	2 1/4
1C RS PS2 5	2 1/2
1C RS PS3 0	3
1C RS PS3 5	3 1/2
1C RS PS4 0	4
1C RS PS4 5	4 1/2
1C RS PS5 0	5
1C RS PS5 5	5 1/2
1C RS PS6 0	6

5/16-18

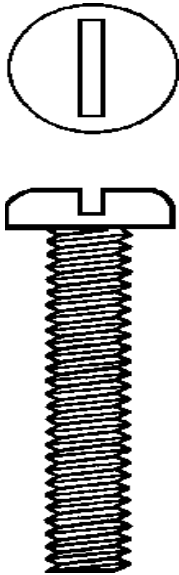
<u>PART NUMBER</u>	<u>LENGTH</u>
1D RS PS0 5	1/2
1D RS PS0 7	3/4
1D RS PS1 0	1
1D RS PS1 2	1 1/4
1D RS PS1 5	1 1/2
1D RS PS2 0	2
1D RS PS2 5	2 1/2
1D RS PS3 0	3
1D RS PS3 5	3 1/2
1D RS PS4 0	4
1D RS PS4 5	4 1/2
1D RS PS5 0	5
1D RS PS5 5	5 1/2
1D RS PS6 0	6

3/8-16

<u>PART NUMBER</u>	<u>LENGTH</u>
1E RS PS0 7	3/4
1E RS PS1 0	1
1E RS PS1 2	1 1/4
1E RS PS1 5	1 1/2
1E RS PS2 0	2
1E RS PS2 5	2 1/2
1E RS PS3 0	3
1E RS PS3 5	3 1/2
1E RS PS4 0	4
1E RS PS4 5	4 1/2
1E RS PS5 0	5
1E RS PS5 5	5 1/2
1E RS PS6 0	6

MACHINE SCREW

PAN HEAD-SLOTTED



4-40

<u>PART NUMBER</u>	<u>LENGTH</u>
14 PS PS0 1	1/8
14 PS PS0 0	3/16
14 PS PS0 2	1/4
14 PS PS0 A	5/16
14 PS PS0 3	3/8
14 PS PS0 C	7/16
14 PS PS0 5	1/2
14 PS PS0 6	5/8
14 PS PS0 7	3/4
14 PS PS0 8	7/8
14 PS PS1 0	1
14 PS PS1 2	1 1/4
14 PS PS1 5	1 1/2

6-32

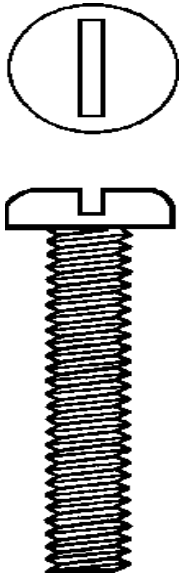
<u>PART NUMBER</u>	<u>LENGTH</u>
16 PS PS0 1	1/8
16 PS PS0 0	3/16
16 PS PS0 2	1/4
16 PS PS0 A	5/16
16 PS PS0 3	3/8
16 PS PS0 C	7/16
16 PS PS0 5	1/2
16 PS PS0 6	5/8
16 PS PS0 7	3/4
16 PS PS0 8	7/8
16 PS PS1 0	1
16 PS PS1 2	1 1/4
16 PS PS1 5	1 1/2
16 PS PS2 0	2

8-32

18 PS PS0 0	3/16	18 PS PS1 0	1
18 PS PS0 2	1/4	18 PS PS1 2	1 1/4
18 PS PS0 A	5/16	18 PS PS1 5	1 1/2
18 PS PS0 3	3/8	18 PS PS1 7	1 3/4
18 PS PS0 C	7/16	18 PS PS2 0	2
18 PS PS0 5	1/2	18 PS PS2 5	2 1/2
18 PS PS0 6	5/8	18 PS PS3 0	3
18 PS PS0 7	3/4		
18 PS PS0 8	7/8		

MACHINE SCREW

PAN HEAD-SLOTTED



10-24

<u>PART NUMBER</u>	<u>LENGTH</u>
1A PS PS0 2	1/4
1A PS PS0 A	5/16
1A PS PS0 3	3/8
1A PS PS0 5	1/2
1A PS PS0 6	5/8
1A PS PS0 7	3/4
1A PS PS0 8	7/8
1A PS PS1 0	1
1A PS PS1 2	1 1/4
1A PS PS1 5	1 1/2
1A PS PS1 7	1 3/4
1A PS PS2 0	2
1A PS PS2 5	2 1/2

10-32

<u>PART NUMBER</u>	<u>LENGTH</u>
2A PS PS0 2	1/4
2A PS PS0 A	5/16
2A PS PS0 3	3/8
2A PS PS0 5	1/2
2A PS PS0 6	5/8
2A PS PS0 7	3/4
2A PS PS0 8	7/8
2A PS PS1 0	1
2A PS PS1 2	1 1/4
2A PS PS1 5	1 1/2
2A PS PS1 7	1 3/4
2A PS PS2 0	2
2A PS PS2 5	2 1/2

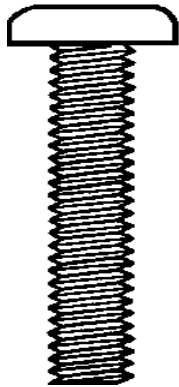
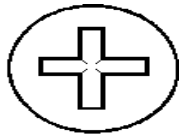
12-24

1B PS PS0 3	3/8
1B PS PS0 5	1/2
1B PS PS0 6	5/8
1B PS PS0 7	3/4
1B PS PS1 0	1

1/4-20

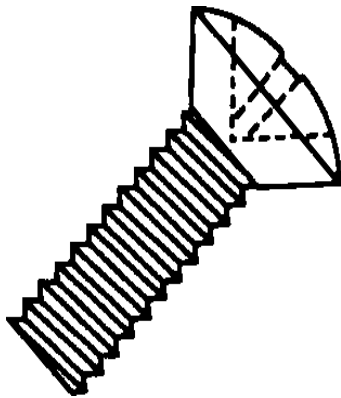
1C PS PS0 3	3/8
1C PS PS0 5	1/2
1C PS PS0 6	5/8
1C PS PS0 7	3/4
1C PS PS1 0	1
1C PS PS1 2	1 1/4
1C PS PS1 5	1 1/2
1C PS PS1 7	1 3/4
1C PS PS2 0	2
1C PS PS2 5	2 1/2
1C PS PS3 0	3

PAN HEAD-PHILLIPS



4-40		10-24	
<u>PART NUMBER</u>	<u>LENGTH</u>	<u>PART NUMBER</u>	<u>LENGTH</u>
14 PP PS0 2	1/4	1A PP PS0 3	3/8
14 PP PS0 A	5/16	1A PP PS0 5	1/2
14 PP PS0 3	3/8	1A PP PS0 6	5/8
14 PP PS0 5	1/2	1A PP PS0 7	3/4
14 PP PS0 7	3/4	1A PP PS1 0	1
		1A PP PS1 2	1 1/4
		1A PP PS1 5	1 1/2
		1A PP PS2 0	2
6-32		10-32	
16 PP PS0 2	1/4	2A PP PS0 3	3/8
16 PP PS0 A	5/16	2A PP PS0 5	1/2
16 PP PS0 3	3/8	2A PP PS0 6	5/8
16 PP PS0 C	7/16	2A PP PS0 7	3/4
16 PP PS0 5	1/2	2A PP PS1 0	1
16 PP PS0 6	5/8	2A PP PS1 2	1 1/4
16 PP PS0 7	3/4	2A PP PS1 5	1 1/2
		2A PP PS2 0	2
8-32		1/4-20	
18 PP PS0 2	1/4	1C PP PS0 3	3/8
18 PP PS0 A	5/16	1C PP PS0 5	1/2
18 PP PS0 3	3/8	1C PP PS0 6	5/8
18 PP PS0 5	1/2	1C PP PS0 7	3/4
18 PP PS0 6	5/8	1C PP PS1 0	1
18 PP PS0 7	3/4	1C PP PS1 2	1 1/4
18 PP PS1 0	1	1C PP PS1 5	1 1/2
		1C PP PS2 0	2

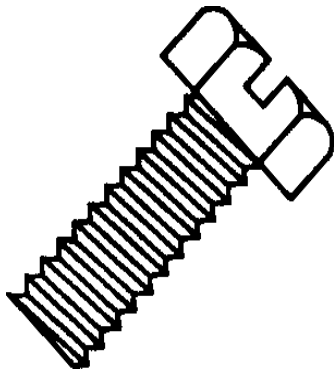
OVAL HEAD-PHILLIPS



4-40		10-24	
<u>PART NUMBER</u>	<u>LENGTH</u>	<u>PART NUMBER</u>	<u>LENGTH</u>
14 OP PS0 2	1/4	1A OP PS0 3	3/8
14 OP PS0 A	5/16	1A OP PS0 5	1/2
14 OP PS0 3	3/8	1A OP PS0 6	5/8
14 OP PS0 5	1/2	1A OP PS0 7	3/4
14 OP PS0 7	3/4	1A OP PS1 0	1
		1A OP PS1 2	1 1/4
		1A OP PS1 5	1 1/2
		1A OP PS2 0	2
6-32		10-32	
16 OP PS0 2	1/4	2A OP PS0 3	3/8
16 OP PS0 A	5/16	2A OP PS0 5	1/2
16 OP PS0 3	3/8	2A OP PS0 6	5/8
16 OP PS0 C	7/16	2A OP PS0 7	3/4
16 OP PS0 5	1/2	2A OP PS1 0	1
16 OP PS0 6	5/8	2A OP PS1 2	1 1/4
16 OP PS0 7	3/4	2A OP PS1 5	1 1/2
		2A OP PS2 0	2
8-32		1/4-20	
18 OP PS0 2	1/4	1C OP PS0 3	3/8
18 OP PS0 A	5/16	1C OP PS0 5	1/2
18 OP PS0 3	3/8	1C OP PS0 6	5/8
18 OP PS0 5	1/2	1C OP PS0 7	3/4
18 OP PS0 6	5/8	1C OP PS1 0	1
18 OP PS0 7	3/4	1C OP PS1 2	1 1/4
18 OP PS1 0	1	1C OP PS1 5	1 1/2
		1C OP PS2 0	2

MACHINE SCREW

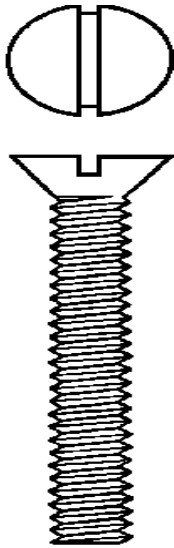
HEX HEAD



4-40		10-24	
<u>PART NUMBER</u>	<u>LENGTH</u>	<u>PART NUMBER</u>	<u>LENGTH</u>
14 HS PS0 2	1/4	1A HS PS0 3	3/8
14 HS PS0 A	5/16	1A HS PS0 5	1/2
14 HS PS0 3	3/8	1A HS PS0 6	5/8
14 HS PS0 5	1/2	1A HS PS0 7	3/4
14 HS PS0 7	3/4	1A HS PS1 0	1
		1A HS PS1 2	1 1/4
		1A HS PS1 5	1 1/2
		1A HS PS2 0	2
6-32		10-32	
16 HS PS0 2	1/4	2A HS PS0 3	3/8
16 HS PS0 A	5/16	2A HS PS0 5	1/2
16 HS PS0 3	3/8	2A HS PS0 6	5/8
16 HS PS0 C	7/16	2A HS PS0 7	3/4
16 HS PS0 5	1/2	2A HS PS1 0	1
16 HS PS0 6	5/8	2A HS PS1 2	1 1/4
16 HS PS0 7	3/4	2A HS PS1 5	1 1/2
		2A HS PS2 0	2
8-32		1/4-20	
18 HS PS0 2	1/4	1C HS PS0 3	3/8
18 HS PS0 A	5/16	1C HS PS0 5	1/2
18 HS PS0 3	3/8	1C HS PS0 6	5/8
18 HS PS0 5	1/2	1C HS PS0 7	3/4
18 HS PS0 6	5/8	1C HS PS1 0	1
18 HS PS0 7	3/4	1C HS PS1 2	1 1/4
18 HS PS1 0	1	1C HS PS1 5	1 1/2
		1C HS PS2 0	2

MACHINE SCREW

FLAT HEAD-SLOTTED



4-40

<u>PART NUMBER</u>	<u>LENGTH</u>
14 FS PS0 2	1/4
14 FS PS0 3	3/8
14 FS PS0 5	1/2
14 FS PS0 6	5/8
14 FS PS0 7	3/4
14 FS PS1 0	1
14 FS PS1 2	1 1/4
14 FS PS1 5	1 1/2

6-32

<u>PART NUMBER</u>	<u>LENGTH</u>
16 FS PS0 2	1/4
16 FS PS0 3	3/8
16 FS PS0 C	7/16
16 FS PS0 5	1/2
16 FS PS0 6	5/8
16 FS PS0 7	3/4
16 FS PS1 0	1
16 FS PS1 2	1 1/4
16 FS PS1 5	1 1/2
16 FS PS1 7	1 3/4
16 FS PS2 0	2
16 FS PS2 5	2 1/2
16 FS PS3 0	3
16 FS PS4 0	4

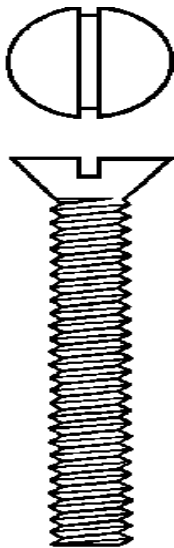
8-32

18 FS PS0 2	1/4
18 FS PS0 3	3/8
18 FS PS0 5	1/2
18 FS PS0 6	5/8
18 FS PS0 7	3/4
18 FS PS1 0	1
18 FS PS1 2	1 1/4
18 FS PS1 5	1 1/2
18 FS PS1 7	1 3/4
18 FS PS2 0	2
18 FS PS2 5	2 1/2
18 FS PS3 0	3
18 FS PS4 0	4

10-32

2A FS PS0 2	1/4
2A FS PS0 3	3/8
2A FS PS0 5	1/2
2A FS PS0 6	5/8
2A FS PS0 7	3/4
2A FS PS1 0	1
2A FS PS1 2	1 1/4
2A FS PS1 5	1 1/2
2A FS PS1 7	1 3/4
2A FS PS2 0	2
2A FS PS2 5	2 1/2
2A FS PS3 0	3

FLAT HEAD-SLOTTED



10-24

<u>PART NUMBER</u>	<u>LENGTH</u>
1A FS PS0 2	1/4
1A FS PS0 3	3/8
1A FS PS0 5	1/2
1A FS PS0 6	5/8
1A FS PS0 7	3/4
1A FS PS1 0	1
1A FS PS1 2	1 1/4
1A FS PS1 5	1 1/2
1A FS PS1 7	1 3/4
1A FS PS2 0	2
1A FS PS2 5	2 1/2
1A FS PS3 0	3
1A FS PS3 5	3 1/2
1A FS PS4 0	4
1A FS PS4 5	4 1/2
1A FS PS5 0	5
1A FS PS5 5	5 1/2
1A FS PS6 0	6

1/4-20

<u>PART NUMBER</u>	<u>LENGTH</u>
1C FS PS0 3	3/8
1C FS PS0 5	1/2
1C FS PS0 6	5/8
1C FS PS0 7	3/4
1C FS PS1 0	1
1C FS PS1 2	1 1/4
1C FS PS1 5	1 1/2
1C FS PS1 7	1 3/4
1C FS PS2 0	2
1C FS PS2 5	2 1/2
1C FS PS3 0	3
1C FS PS3 5	3 1/2
1C FS PS4 0	4
1C FS PS4 5	4 1/2
1C FS PS5 0	5
1C FS PS6 0	6

12-24

1B FS PS0 2	1/4
1B FS PS0 3	3/8
1B FS PS0 5	1/2
1B FS PS0 7	3/4
1B FS PS1 0	1
1B FS PS1 2	1 1/4
1B FS PS1 5	1 1/2
1B FS PS2 0	2
1B FS PS2 5	2 1/2
1B FS PS3 0	3

5/16-18

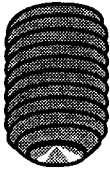
1D FS PS0 5	1/2
1D FS PS0 7	3/4
1D FS PS1 0	1
1D FS PS1 2	1 1/4
1D FS PS1 5	1 1/2
1D FS PS2 0	2
1D FS PS2 5	2 1/2
1D FS PS3 0	3
1D FS PS3 5	3 1/2
1D FS PS4 0	4
1D FS PS4 5	4 1/2
1D FS PS5 0	5
1D FS PS5 5	5 1/2
1D FS PS6 0	6

3/8-16

1E FS PS0 7	3/4
1E FS PS1 0	1
1E FS PS1 2	1 1/4
1E FS PS1 5	1 1/2
1E FS PS2 0	2
1E FS PS2 5	2 1/2
1E FS PS3 0	3
1E FS PS3 5	3 1/2
1E FS PS4 0	4
1E FS PS4 5	4 1/2
1E FS PS5 0	5
1E FS PS5 5	5 1/2
1E FS PS6 0	6

SET SCREW

CUP POINT



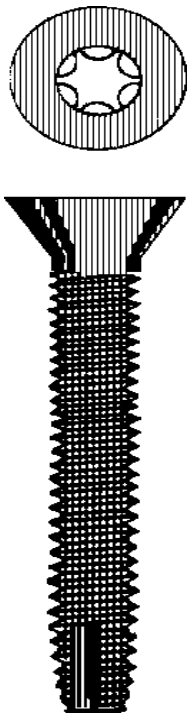
SAE THREAD SIZES

10-32
1/4-28

#6	16 SA BC0 0	6-32X3/16
	16 SA BC0 2	6-32X1/4
	16 SA BC0 A	6-32X5/16
	16 SA BC0 3	6-32X3/8
	16 SA BC0 5	6-32X1/2
	16 SA BC0 7	6-32X3/4
	16 SA BC1 0	6-32X1
#8	18 SA BC0 0	8-32X3/16
	18 SA BC0 2	8-32X1/4
	18 SA BC0 A	8-32X5/16
	18 SA BC0 3	8-32X3/8
	18 SA BC0 5	8-32X1/2
	18 SA BC0 7	8-32X3/4
	18 SA BC1 0	8-32X1
#10	1A SA BC0 0	10-24X3/16
	1A SA BC0 2	10-24X1/4
	1A SA BC0 A	10-24X5/16
	1A SA BC0 3	10-24X3/8
	1A SA BC0 5	10-24X1/2
	1A SA BC0 6	10-24X5/8
	1A SA BC0 7	10-24X3/4
	1A SA BC1 0	10-24X1
	1A SA BC1 2	10-24X1 1/4
1/4	1C SA BC0 0	1/4-20X3/16
	1C SA BC0 2	1/4-20X1/4
	1C SA BC0 A	1/4-20X5/16
	1C SA BC0 3	1/4-20X3/8
	1C SA BC0 5	1/4-20X1/2
	1C SA BC0 6	1/4-20X5/8
	1C SA BC0 7	1/4-20X3/4
	1C SA BC1 0	1/4-20X1
	1C SA BC1 2	1/4-20X1 1/4
	1C SA BC1 5	1/4-20X1 1/2
	1C SA BC1 7	1/4-20X1 3/4
	1C SA BC2 0	1/4-20X2

1=USS
2=SAE

FLOORBOARD



1/4-20

5/16-18

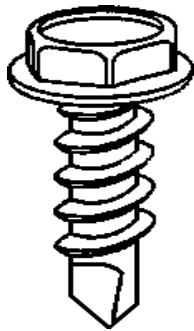
TORX DRIVE TYPE "F" TIP

1C FT BF1 0	1/4-20X1
1C FT BF1 5	1/4-20X1 1/2
1C FT BF2 0	1/4-20X2
1C FT BF2 5	1/4-20X2 1/2
1C FT BF3 0	1/4-20X3
1C FT BF3 5	1/4-20X3 1/2
1C FT BF4 0	1/4-20X4
1C FT BF5 0	1/4-20X5
1C FT BF6 0	1/4-20X6

1D FT BF1 0	5/16-18X1
1D FT BF1 5	5/16-18X1 1/2
1D FT BF2 0	5/16-18X2
1D FT BF2 5	5/16-18X2 1/2

TEK SCREWS

HEX WASHER HEAD



#6	56 WS PT0 3	6-20X3/8
	56 WS PT0 5	6-20X1/2

#8	58 WS PT0 5	8-18X1/2
	58 WS PT0 6	8-18X5/8
	58 WS PT0 7	8-18X3/4
	58 WS PT1 0	8-18X1
	58 WS PT1 2	8-18X1 1/4
	58 WS PT1 5	8-18X1 1/2

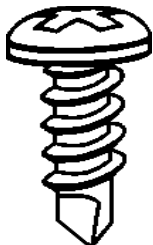
#10	5A WS PT0 5	10-16X1/2
	5A WS PT0 6	10-16X5/8
	5A WS PT0 7	10-16X3/4
	5A WS PT1 0	10-16X1
	5A WS PT1 2	10-16X1 1/4
	5A WS PT1 5	10-16X1 1/2
	5A WS PT2 0	10-16X2

#12	5B WS PT0 7	12-14X3/4
	5B WS PT1 0	12-14X1
	5B WS PT1 2	12-14X1 1/4
	5B WS PT1 5	12-14X1 1/2

#14	5C WS PT0 7	14-14X3/4
	5C WS PT1 0	14-14X1
	5C WS PT1 2	14-14X1 1/4
	5C WS PT1 5	14-14X1 1/2
	5C WS PT2 0	14-14X2

PAN HEAD

PHILLIPS

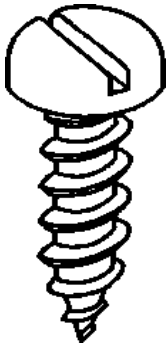


#6	56 PP PT0 3	6-20X3/8
	56 PP PT0 5	6-20X1/2

#8	58 PP PT0 5	8-18X1/2
	58 PP PT0 6	8-18X5/8
	58 PP PT0 7	8-18X3/4
	58 PP PT1 0	8-18X1
	58 PP PT1 5	8-18X1 1/2

#10	5A PP PT0 5	10-16X1/2
	5A PP PT0 6	10-16X5/8
	5A PP PT0 7	10-16X3/4
	5A PP PT1 0	10-16X1

PAN HEAD-SLOTTED

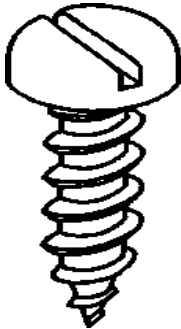


#4	54 PS PA0 2	4X1/4
	54 PS PA0 3	4X3/8
	54 PS PA0 5	4X1/2
	54 PS PA0 6	4X5/8
	54 PS PA0 7	4X3/4
	54 PS PA0 8	4X7/8
	54 PS PA1 0	4X1

#6	56 PS PA0 2	6X1/4
	56 PS PA0 3	6X3/8
	56 PS PA0 5	6X1/2
	56 PS PA0 6	6X5/8
	56 PS PA0 7	6X3/4
	56 PS PA0 8	6X7/8
	56 PS PA1 0	6X1
	56 PS PA1 2	6X1 1/4
	56 PS PA1 5	6X1 1/2
	56 PS PA2 0	6X2

#8	58 PS PA0 2	8X1/4
	58 PS PA0 3	8X3/8
	58 PS PA0 5	8X1/2
	58 PS PA0 6	8X5/8
	58 PS PA0 7	8X3/4
	58 PS PA0 8	8X7/8
	58 PS PA1 0	8X1
	58 PS PA1 2	8X1 1/4
	58 PS PA1 5	8X1 1/2
	58 PS PA2 0	8X2
	58 PS PA2 5	8X2 1/2
	58 PS PA3 0	8X3

PAN HEAD-SLOTTED

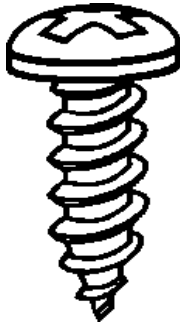


#10	5A PS PA0 3	10X3/8
	5A PS PA0 5	10X1/2
	5A PS PA0 6	10X5/8
	5A PS PA0 7	10X3/4
	5A PS PA1 0	10X1
	5A PS PA1 2	10X1 1/4
	5A PS PA1 5	10X1 1/2
	5A PS PA1 7	10X1 3/4
	5A PS PA2 0	10X2
	5A PS PA2 5	10X2 1/2
	5A PS PA3 0	10X3

#12	5B PS PA0 5	12X1/2
	5B PS PA0 6	12X5/8
	5B PS PA0 7	12X3/4
	5B PS PA1 0	12X1
	5B PS PA1 2	12X1 1/4
	5B PS PA1 5	12X1 1/2
	5B PS PA1 7	12X1 3/4
	5B PS PA2 0	12X2
	5B PS PA2 5	12X2 1/2
	5B PS PA3 0	12X3

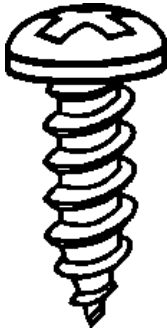
#14	5C PS PA0 5	14X1/2
	5C PS PA0 6	14X5/8
	5C PS PA0 7	14X3/4
	5C PS PA1 0	14X1
	5C PS PA1 2	14X1 1/4
	5C PS PA1 5	14X1 1/2
	5C PS PA1 7	14X1 3/4
	5C PS PA2 0	14X2
	5C PS PA2 5	14X2 1/2
	5C PS PA3 0	14X3

PAN HEAD-PHILLIPS



#4	54 PP PA0 2	4X1/4
	54 PP PA0 3	4X3/8
	54 PP PA0 5	4X1/2
	54 PP PA0 6	4X5/8
	54 PP PA0 7	4X3/4
	54 PP PA0 8	4X7/8
	54 PP PA1 0	4X1
	#6	56 PP PA0 2	6X1/4
56 PP PA0 3		6X3/8
56 PP PA0 5		6X1/2
56 PP PA0 6		6X5/8
56 PP PA0 7		6X3/4
56 PP PA0 8		6X7/8
56 PP PA1 0		6X1
56 PP PA1 2		6X1 1/4
56 PP PA1 5		6X1 1/2
56 PP PA2 0		6X2
#8		58 PP PA0 2	8X1/4
	58 PP PA0 3	8X3/8
	58 PP PA0 5	8X1/2
	58 PP PA0 6	8X5/8
	58 PP PA0 7	8X3/4
	58 PP PA0 8	8X7/8
	58 PP PA1 0	8X1
	58 PP PA1 2	8X1 1/4
	58 PP PA1 5	8X1 1/2
	58 PP PA2 0	8X2
	58 PP PA2 5	8X2 1/2
	58 PP PA3 0	8X3

PAN HEAD-PHILLIPS

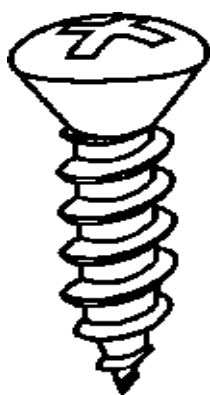


#10	5A PP PA0 3	10X3/8
	5A PP PA0 5	10X1/2
	5A PP PA0 6	10X5/8
	5A PP PA0 7	10X3/4
	5A PP PA1 0	10X1
	5A PP PA1 2	10X1 1/4
	5A PP PA1 5	10X1 1/2
	5A PP PA1 7	10X1 3/4
	5A PP PA2 0	10X2
	5A PP PA2 5	10X2 1/2
	5A PP PA3 0	10X3

#12	5B PP PA0 5	12X1/2
	5B PP PA0 6	12X5/8
	5B PP PA0 7	12X3/4
	5B PP PA1 0	12X1
	5B PP PA1 2	12X1 1/4
	5B PP PA1 5	12X1 1/2
	5B PP PA1 7	12X1 3/4
	5B PP PA2 0	12X2
	5B PP PA2 5	12X2 1/2
	5B PP PA3 0	12X3

#14	5C PP PA0 5	14X1/2
	5C PP PA0 6	14X5/8
	5C PP PA0 7	14X3/4
	5C PP PA1 0	14X1
	5C PP PA1 2	14X1 1/4
	5C PP PA1 5	14X1 1/2
	5C PP PA1 7	14X1 3/4
	5C PP PA2 0	14X2
	5C PP PA2 5	14X2 1/2
	5C PP PA3 0	14X3

OVAL HEAD-PHILLIPS

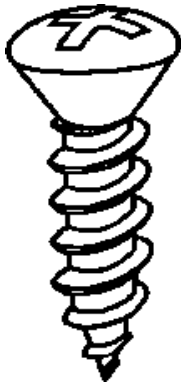


#4	54 OP PA0 3	4X3/8
	54 OP PA0 5	4X1/2
	54 OP PA0 6	4X5/8
	54 OP PA0 7	4X3/4
	54 OP PA0 8	4X7/8

#6	56 OP PA0 3	6X3/8
	56 OP PA0 5	6X1/2
	56 OP PA0 6	6X5/8
	56 OP PA0 7	6X3/4
	56 OP PA1 0	6X1
	56 OP PA1 2	6X1 1/4
	56 OP PA1 5	6X1 1/2

#8	58 OP PA0 3	8X3/8
	58 OP PA0 5	8X1/2
	58 OP PA0 6	8X5/8
	58 OP PA0 7	8X3/4
	58 OP PA0 8	8X7/8
	58 OP PA1 0	8X1
	58 OP PA1 2	8X1 1/4
	58 OP PA1 5	8X1 1/2
	58 OP PA2 0	8X2

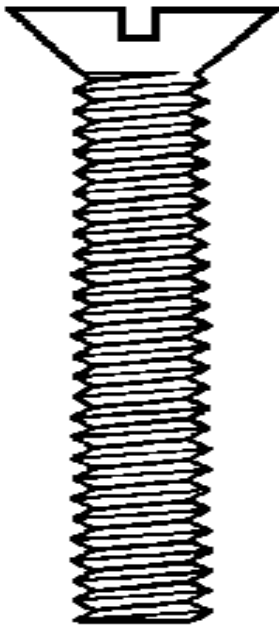
OVAL HEAD-PHILLIPS



#10	5A OP PA0 5	10X1/2
	5A OP PA0 6	10X5/8
	5A OP PA0 7	10X3/4
	5A OP PA1 0	10X1
	5A OP PA1 2	10X1 1/4
	5A OP PA1 5	10X1 1/2
	5A OP PA1 7	10X1 3/4
	5A OP PA2 0	10X2

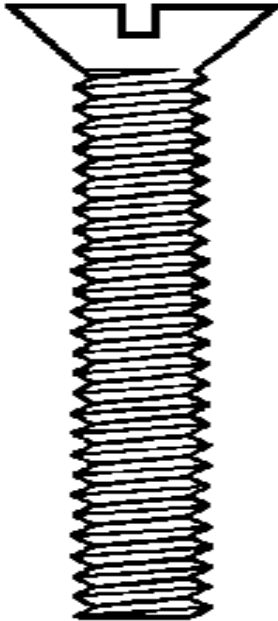
#12	5B OP PA0 5	12X1/2
	5B OP PA0 6	12X5/8
	5B OP PA0 7	12X3/4
	5B OP PA1 0	12X1
	5B OP PA1 2	12X1 1/4
	5B OP PA1 5	12X1 1/2
	5B OP PA1 7	12X1 3/4
	5B OP PA2 0	12X2

FLAT HEAD-SLOTTED



#4	54 FS PA0 2	4X1/4
	54 FS PA0 3	4X3/8
	54 FS PA0 5	4X1/2
	54 FS PA0 6	4X5/8
	54 FS PA0 7	4X3/4
#6	56 FS PA0 2	6X1/4
	56 FS PA0 3	6X3/8
	56 FS PA0 5	6X1/2
	56 FS PA0 6	6X5/8
	56 FS PA0 7	6X3/4
	56 FS PA1 0	6X1
	56 FS PA1 2	6X1 1/4
	56 FS PA1 5	6X1 1/2
#8	58 FS PA0 3	8X3/8
	58 FS PA0 5	8X1/2
	58 FS PA0 6	8X5/8
	58 FS PA0 7	8X3/4
	58 FS PA1 0	8X1
	58 FS PA1 2	8X1 1/4
	58 FS PA1 5	8X1 1/2
58 FS PA2 0	8X2	

FLAT HEAD-SLOTTED

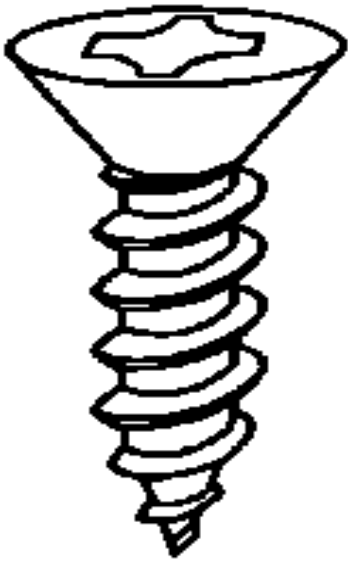


#10	5A FS PA0 5	10X1/2
	5A FS PA0 6	10X5/8
	5A FS PA0 7	10X3/4
	5A FS PA1 0	10X1
	5A FS PA1 2	10X1 1/4
	5A FS PA1 5	10X1 1/2
	5A FS PA1 7	10X1 3/4
	5A FS PA2 0	10X2

#12	5B FS PA0 7	12X3/4
	5B FS PA1 0	12X1
	5B FS PA1 2	12X1 1/4
	5B FS PA1 5	12X1 1/2
	5B FS PA1 7	12X1 3/4
	5B FS PA2 0	12X2

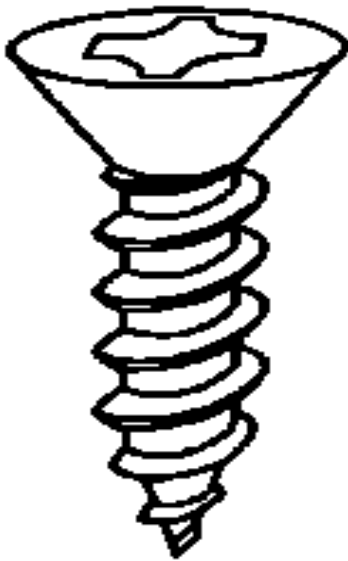
#14	5C FS PA0 7	14X3/4
	5C FS PA1 0	14X1
	5C FS PA1 2	14X1 1/4
	5C FS PA1 5	14X1 1/2
	5C FS PA1 7	14X1 3/4
	5C FS PA2 0	14X2

FLAT HEAD-PHILLIPS



#4	54 FP PA0 2	4X1/4
	54 FP PA0 3	4X3/8
	54 FP PA0 5	4X1/2
	54 FP PA0 6	4X5/8
	54 FP PA0 7	4X3/4
#6	56 FP PA0 2	6X1/4
	56 FP PA0 3	6X3/8
	56 FP PA0 5	6X1/2
	56 FP PA0 6	6X5/8
	56 FP PA0 7	6X3/4
	56 FP PA1 0	6X1
	56 FP PA1 2	6X1 1/4
	56 FP PA1 5	6X1 1/2
#8	58 FP PA0 3	8X3/8
	58 FP PA0 5	8X1/2
	58 FP PA0 6	8X5/8
	58 FP PA0 7	8X3/4
	58 FP PA1 0	8X1
	58 FP PA1 2	8X1 1/4
	58 FP PA1 5	8X1 1/2
	58 FP PA2 0	8X2
	58 FP PA2 5	8X2 1/2
	58 FP PA3 0	8X3

FLAT HEAD-PHILLIPS

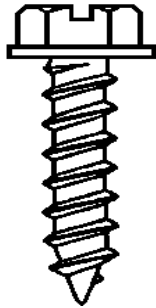


#10	5A FP PA0 3	10X3/8
	5A FP PA0 5	10X1/2
	5A FP PA0 6	10X5/8
	5A FP PA0 7	10X3/4
	5A FP PA1 0	10X1
	5A FP PA1 2	10X1 1/4
	5A FP PA1 5	10X1 1/2
	5A FP PA1 7	10X1 3/4
	5A FP PA2 0	10X2
	5A FP PA2 5	10X2 1/2
	5A FP PA3 0	10X3

#12	5B FP PA0 6	12X5/8
	5B FP PA0 7	12X3/4
	5B FP PA1 0	12X1
	5B FP PA1 2	12X1 1/4
	5B FP PA1 5	12X1 1/2
	5B FP PA1 7	12X1 3/4
	5B FP PA2 0	12X2
	5B FP PA2 5	12X2 1/2
	5B FP PA3 0	12X3

#14	5C FP PA0 7	14X3/4
	5C FP PA1 0	14X1
	5C FP PA1 2	14X1 1/4
	5C FP PA1 5	14X1 1/2
	5C FP PA1 7	14X1 3/4
	5C FP PA2 0	14X2
	5C FP PA2 5	14X2 1/2
	5C FP PA3 0	14X3

HEX WASHER HEAD

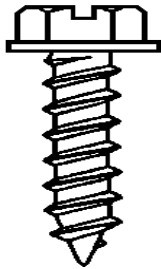


#4	54 WS PA0 2	4X1/4
	54 WS PA0 3	4X3/8
	54 WS PA0 5	4X1/2
	54 WS PA0 6	4X5/8
	54 WS PA0 7	4X3/4

#6	56 WS PA0 2	6X1/4
	56 WS PA0 3	6X3/8
	56 WS PA0 5	6X1/2
	56 WS PA0 6	6X5/8
	56 WS PA0 7	6X3/4
	56 WS PA1 0	6X1
	56 WS PA1 2	6X1 1/4
	56 WS PA1 5	6X1 1/2

#8	58 WS PA0 3	8X3/8
	58 WS PA0 5	8X1/2
	58 WS PA0 6	8X5/8
	58 WS PA0 7	8X3/4
	58 WS PA1 0	8X1
	58 WS PA1 2	8X1 1/4
	58 WS PA1 5	8X1 1/2
	58 WS PA2 0	8X2
	58 WS PA2 5	8X2 1/2
	58 WS PA3 0	8X3

HEX WASHER HEAD

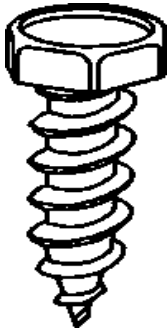


#10	5A WS PA0 3	10X3/8
	5A WS PA0 5	10X1/2
	5A WS PA0 6	10X5/8
	5A WS PA0 7	10X3/4
	5A WS PA1 0	10X1
	5A WS PA1 2	10X1 1/4
	5A WS PA1 5	10X1 1/2
	5A WS PA1 7	10X1 3/4
	5A WS PA2 0	10X2
	5A WS PA2 5	10X2 1/2
	5A WS PA3 0	10X3

#12	5B WS PA0 5	12X1/2
	5B WS PA0 6	12X5/8
	5B WS PA0 7	12X3/4
	5B WS PA1 0	12X1
	5B WS PA1 2	12X1 1/4
	5B WS PA1 5	12X1 1/2
	5B WS PA1 7	12X1 3/4
	5B WS PA2 0	12X2
	5B WS PA2 5	12X2 1/2
	5B WS PA3 0	12X3

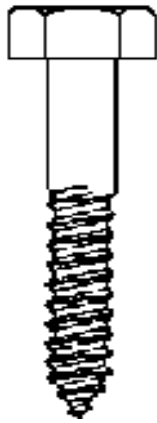
#14	5C WS PA0 5	14X1/2
	5C WS PA0 6	14X5/8
	5C WS PA0 7	14X3/4
	5C WS PA1 0	14X1
	5C WS PA1 2	14X1 1/4
	5C WS PA1 5	14X1 1/2
	5C WS PA1 7	14X1 3/4
	5C WS PA2 0	14X2
	5C WS PA2 5	14X2 1/2
	5C WS PA3 0	14X3

HEX HEAD



#6	56 HS PA0 3	6X3/8
	56HS PA0 5	6X1/2
	56 HS PA0 7	6X3/4
#8	58 HS PA0 3	8X3/8
	58 HS PA0 5	8X1/2
	58 HS PA0 7	8X3/4
	58 HS PA1 0	8X1
	58 HS PA1 2	8X1 1/4
	58 HS PA1 5	8X1 1/2
#10	5A HS PA0 5	10X1/2
	5A HS PA0 7	10X3/4
	5A HS PA1 0	10X1
	5A HS PA1 2	10X1 1/4
	5A HS PA1 5	10X1 1/2
#12	5B HS PA0 7	12X3/4
	5B HS PA1 0	12X1
	5B HS PA1 2	12X1 1/4
	5A HS PA1 5	12X1 1/2
#14	5C HS PA0 5	14X1/2
	5C HS PA0 7	14X3/4
	5C HS PA1 0	14X1
	5C HS PA1 2	14X1 1/4
	5C HS PA1 5	14X1 1/2

LAG SCREWS



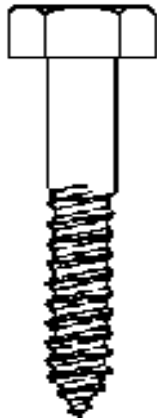
1/4

5C H0 PL1 0	1/4X1
5C H0 PL1 2	1/4X1 1/4
5C H0 PL1 5	1/4X1 1/2
5C H0 PL1 7	1/4X1 3/4
5C H0 PL2 0	1/4X2
5C H0 PL2 5	1/4X2 1/2
5C H0 PL3 0	1/4X3
5C H0 PL3 5	1/4X3 1/5
5C H0 PL4 0	1/4X4
5C H0 PL4 5	1/4X4 1/2
5C H0 PL5 0	1/4X5
5C H0 PL5 5	1/4X5 1/2
5C H0 PL6 0	1/4X6

5/16

5D H0 PL1 0	5/16X1
5D H0 PL1 2	5/16X1 1/4
5D H0 PL1 5	5/16X1 1/2
5D H0 PL1 7	5/16X1 3/4
5D H0 PL2 0	5/16X2
5D H0 PL2 5	5/16X2 1/2
5D H0 PL3 0	5/16X3
5D H0 PL3 5	5/16X 3 1/2
5D H0 PL4 0	5/16X4
5D H0 PL4 5	5/16X4 1/2
5D H0 PL5 0	5/16X5
5D H0 PL5 5	5/16X5 1/2
5D H0 PL6 0	5/16X 6

LAG SCREWS



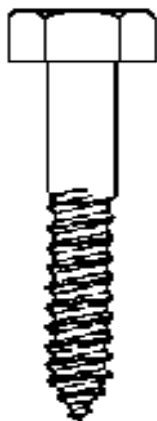
3/8

5E H0 PL1 0	3/8X1
5E H0 PL1 2	3/8X1 1/4
5E H0 PL1 5	3/8X1 1/2
5E H0 PL1 7	3/8X1 3/4
5E H0 PL2 0	3/8X2
5E H0 PL2 5	3/8X2 1/2
5E H0 PL3 0	3/8X3
5E H0 PL3 5	3/8X3 1/5
5E H0 PL4 0	3/8X4
5E H0 PL4 5	3/8X4 1/2
5E H0 PL5 0	3/8X5
5E H0 PL5 5	3/8X5 1/2
5E H0 PL6 0	3/8X6
5E H0 PL7 0	3/8X7
5E H0 PL8 0	3/8X8

1/2

5G H0 PL1 5	1/2X1 1/2
5G H0 PL2 0	1/2X2
5G H0 PL2 5	1/2X2 1/2
5G H0 PL3 0	1/2X3
5G H0 PL3 5	1/2X 3 1/2
5G H0 PL4 0	1/2X4
5G H0 PL4 5	1/2X4 1/2
5G H0 PL5 0	1/2X5
5G H0 PL5 5	1/2X5 1/2
5G H0 PL6 0	1/2X 6
5G H0 PL7 0	1/2X7
5G H0 PL8 0	1/2X8
5G H0 PL9 0	1/2X9
5G H0 PLX 0	1/2X10
5G H0 PLX 2	1/2X12
5G H0 PLX 4	1/2X14
5G H0 PLX 6	1/2X16
5G H0 PLX 8	1/2X18

LAG SCREWS



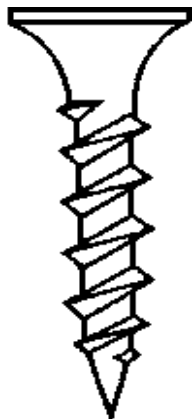
5/8

5J H0 PL2 0	5/8X2
5J H0 PL2 5	5/8X2 1/2
5J H0 PL3 0	5/8X3
5J H0 PL3 5	5/8X3 1/5
5J H0 PL4 0	5/8X4
5J H0 PL4 5	5/8X4 1/2
5J H0 PL5 0	5/8X5
5J H0 PL5 5	5/8X5 1/2
5J H0 PL6 0	5/8X6
5J H0 PL7 0	5/8X7
5J H0 PL8 0	5/8X8
5J H0 PL9 0	5/8X9
5J H0 PLX 0	5/8X10
5J H0 PLX 2	5/8X12
5J H0 PLX 4	5/8X14
5J H0 PLX 6	5/8X16
5J H0 PLX 8	5/8X18

3/4

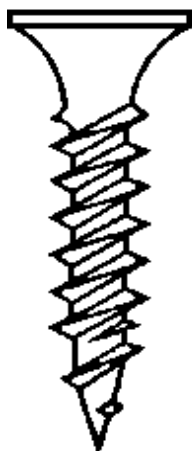
5K H0 PL2 5	3/4X2 1/2
5K H0 PL3 0	3/4X3
5K H0 PL3 5	3/4X 3 1/2
5K H0 PL4 0	3/4X4
5K H0 PL4 5	3/4X4 1/2
5K H0 PL5 0	3/4X5
5K H0 PL5 5	3/4X5 1/2
5K H0 PL6 0	3/4X 6
5K H0 PL7 0	3/4X7
5K H0 PL8 0	3/4X8
5K H0 PL9 0	3/4X9
5K H0 PLX 0	3/4X10
5K H0 PLX 2	3/4X12
5K H0 PLX 4	3/4X14
5K H0 PLX 6	3/4X16
5K H0 PLX 8	3/4X18

DRYWALL SCREWS



COARSE THREAD

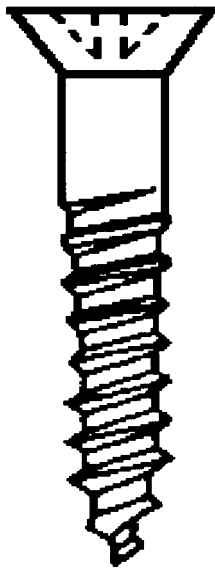
56 FP BG1 0	6X1 PHIL FLAT HD
56 FP BG1 1	6X1 1/8 PHIL FLAT HD
56 FP BG1 2	6X1 1/4 PHIL FLAT HD
56 FP BG1 5	6X1 1/2 PHIL FLAT HD
56 FP BG1 6	6X1 5/8 PHIL FLAT HD
56 FP BG2 0	6X2 PHIL FLAT HD
58 FP BG2 5	6X2 1/2 PHIL FLAT HD
58 FP BG3 0	6X3 PHIL FLAT HD



FINE THREAD

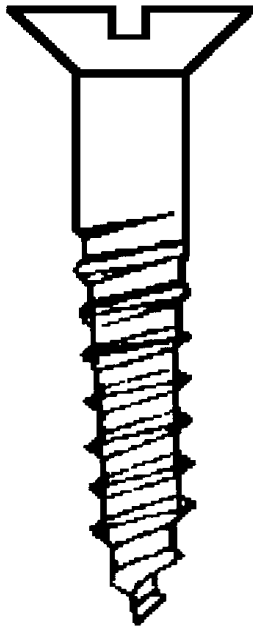
56 FP BS1 0	6X1 PHIL FLAT HD
56 FP BS1 1	6X1 1/8 PHIL FLAT HD
56 FP BS1 2	6X1 1/4 PHIL FLAT HD
56 FP BS1 5	6X1 1/2 PHIL FLAT HD
56 FP BS2 0	6X2 PHIL FLAT HD
58 FP BS2 5	6X2 1/2 PHIL FLAT HD
58 FP BS3 0	6X3 PHIL FLAT HD

WOOD SCREWS



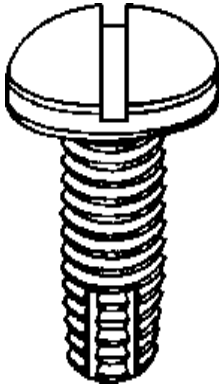
#4	54 FP PW0 5	4X1/2 PHIL FLAT HD
	54 FP PW0 7	4X 3/4 PHIL FLAT HD
	54 FP PW1 0	4X1 PHIL FLAT HD
#6	56 FP PW0 5	6X1/2 PHIL FLAT HD
	56 FP PW0 6	6X5/8 PHIL FLAT HD
	56 FP PW0 7	6X3/4 PHIL FLAT HD
	56 FP PW1 0	6X1 PHIL FLAT HD
	56 FP PW1 2	6X1 1/4 PHIL FLAT HD
	56 FP PW1 5	6X1 1/2 PHIL FLAT HD
	56 FP PW1 7	6X1 3/4 PHIL FLAT HD
	56 FP PW2 0	6X2 PHIL FLAT HD
#8	58 FP PW0 5	8X1/2 PHIL FLAT HD
	58 FP PW0 7	8X3/4 PHIL FLAT HD
	58 FP PW1 0	8X1 PHIL FLAT HD
	58 FP PW1 2	8X1 1/4 PHIL FLAT HD
	58 FP PW1 5	8X1 1/2 PHIL FLAT HD
	58 FP PW2 0	8X2 PHIL FLAT HD
	58 FP PW2 5	8X2 1/2 PHIL FLAT HD
	58 FP PW3 0	8X3 PHIL FLAT HD
	58 FP PW4 0	8X4 PHIL FLAT HD
#10	5A FP PW0 7	10X3/4 PHIL FLAT HD
	5A FP PW1 0	10X1 PHIL FLAT HD
	5A FP PW1 2	10X1 1/4 PHIL FLAT HD
	5A FP PW1 5	10X1 1/2 PHIL FLAT HD
	5A FP PW1 7	10X1 3/4 PHIL FLAT HD
	5A FP PW2 0	10X2 PHIL FLAT HD
#12	5B FP PW0 5	12X1/2 PHIL FLAT HD
	5B FP PW0 7	12X3/4 PHIL FLAT HD
	5B FP PW1 0	12X1 PHIL FLAT HD
	5B FP PW1 2	12X1 1/4 PHIL FLAT HD
	5B FP PW1 5	12X1 1/2 PHIL FLAT HD
	5B FP PW2 0	12X2 PHIL FLAT HD
	5B FP PW3 0	12X3 PHIL FLAT HD

WOOD SCREWS



#4	54 FS PW0 5 4X1/2 SLOTTED FLAT HD 54 FS PW0 7 4X 3/4 SLOTTED FLAT HD 54 FS PW1 0 4X1 SLOTTED FLAT HD
#6	56 FS PW0 5 6X1/2 SLOTTED FLAT HD 56 FS PW0 6 6X5/8 SLOTTED FLAT HD 56 FS PW0 7 6X3/4 SLOTTED FLAT HD 56 FS PW1 0 6X1 SLOTTED FLAT HD 56 FS PW1 2 6X1 1/4 SLOTTED FLAT HD 56 FS PW1 5 6X1 1/2 SLOTTED FLAT HD 56 FS PW1 7 6X1 3/4 SLOTTED FLAT HD 56 FS PW2 0 6X2 SLOTTED FLAT HD
#8	58 FS PW0 5 8X1/2 SLOTTED FLAT HD 58 FS PW0 7 8X3/4 SLOTTED FLAT HD 58 FS PW1 0 8X1 SLOTTED FLAT HD 58 FS PW1 2 8X1 1/4 SLOTTED FLAT HD 58 FS PW1 5 8X1 1/2 SLOTTED FLAT HD 58 FS PW2 0 8X2 SLOTTED FLAT HD 58 FS PW2 5 8X2 1/2 SLOTTED FLAT HD 58 FS PW3 0 8X3 SLOTTED FLAT HD 58 FS PW4 0 8X4 SLOTTED FLAT HD
#10	5A FS PW0 7 10X3/4 SLOTTED FLAT HD 5A FS PW1 0 10X1 SLOTTED FLAT HD 5A FS PW1 2 10X1 1/4 SLOTTED FLAT HD 5A FS PW1 5 10X1 1/2 SLOTTED FLAT HD 5A FS PW1 7 10X1 3/4 SLOTTED FLAT HD 5A FS PW2 0 10X2 SLOTTED FLAT HD
#12	5B FS PW0 5 12X1/2 SLOTTED FLAT HD 5B FS PW0 7 12X3/4 SLOTTED FLAT HD 5B FS PW1 0 12X1 SLOTTED FLAT HD 5B FS PW1 2 12X1 1/4 SLOTTED FLAT HD 5B FS PW10 12X1 1/2 SLOTTED FLAT HD 5B FS PW2 0 12X2 SLOTTED FLAT HD 5B FS PW3 0 12X3 SLOTTED FLAT HD

PAN HEAD SLOTTED TYPE F POINT



TYPE "F" POINT

16 PS PF0 3	6-32X3/8
16 PS PF0 5	6-32X1/2
16 PS PF0 7	6-32X3/4
16 PS PF1 0	6-32X1









18 PS PF0 3	8-32X3/8
18 PS PF0 5	8-32X1/2
18 PS PF0 7	8-32X3/4
18 PS PF1 0	8-32X1
18 PS PF1 2	8-32X1 1/4
18 PS PF1 5	8-32X1 1/2

1A PS PF0 3	10-24X3/8
1A PS PF0 5	10-24X1/2
1A PS PF0 7	10-24X3/4
1A PS PF1 0	10-24X1
1A PS PF1 2	10-24X1 1/4
1A PS PF1 5	10-24X1 1/2

2A PS PF0 3	10-32X3/8
2A PS PF0 5	10-32X1/2
2A PS PF0 7	10-32X3/4
2A PS PF1 0	10-32X1
2A PS PF1 2	10-32X1 1/4
2A PS PF1 5	10-32X1 1/2

1C PS PF0 3	1/4-20X3/8
1C PS PF0 5	1/4-20X1/2
1C PS PF0 7	1/4-20X3/4
1C PS PF1 0	1/4-20X1
1C PS PF1 2	1/4-20X1 1/4
1C PS PF1 5	1/4-20X1 1/2

BUTT CONNECTORS

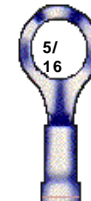
	NYLON	NYLON PARALLEL	AIRCRAFT (WINDOW)	NYLON INSULATION GRIP
WIRE SIZE				
18/22	6A BN R00 0	6A BN P00 0	6A BN WW0 0	6A BN RW0 0
14/16	6B BN R00 0	6B BN P00 0	6B BN WW0 0	6B BN RW0 0
12/10	6C BN R00 0	6C BN P00 0	6C BN WW0 0	6C BN RW0 0
8	6D BN R00 0			
	PLASTIC	UNINSULATED	PLASTIC PARALLEL	UNINSULATED PARALLEL
WIRE SIZE				
18/22	6A BP R00 0	6A BU R00 0	6A BP P00 0	6A BU P00 0
14/16	6B BP R00 0	6B BU R00 0	6B BP P00 0	6B BU P00 0
12/10	6C BP R00 0	6C BU R00 0	6C BP P00 0	6C BU P00 0
8	6D BP R00 0	6D BU R00 0	6D BP P00 0	6D BU P00 0
6	6E BP R00 0	6E BU R00 0	6E BP P00 0	6E BU P00 0
4	6F BP R00 0	6F BU R00 0	6F BP P00 0	6F BU P00 0
2	6G BP R00 0	6G BU R00 0	6G BP P00 0	6G BU P00 0
1/0		6H BU R00 0		6H BU P00 0
2/0		6J BU R00 0		6J BU P00 0
3/0		6K BU R00 0		6K BU P00 0
4/0		6L BU R00 0		6H BU P00 0

PART NUMBERS

1 ST LINE - NYLON WITH INSULATION GRIP

2 ND LINE - PLASTIC INSULATED

3 RD LINE - UNINSULATED WITH BRAZED SEAM



6A SR N41
D
6A SR P41 D
6A SR U41
D

6A SR N61 D
6A SR P61 D
6A SR U61 D

6A SR N81 D
6A SR P81 D
6A SR U81 D

6A SR N12 D
6A SR P12 D
6A SR U12 D

6A SR NC1 D
6A SR PC1 D
6A SR UC1 D

6A SR ND1 D
6A SR PD1 D
6A SR UD1 D

6A SR NE1 D
6A SR PE1 D
6A SR UE1 D



AUTOMOTIVE
STYLE



BLOCK
STYLE

FLANGED



SPADE



6A SB N42 D
6A SB P42 D
6A SB U42 D

6A SB N61 D
6A SB P61 D
6A SB U61 D

6A SB N81 D
6A SB P81 D
6A SB U81 D

6A SB N11 D
6A SB P11 D
6A SB U11 D

6A SF N61
D
6A SF P61 D
6A SF U61
D

6A SF N81 D
6A SF P81 D
6A SF U81 D

6A SF N13 D
6A SF P13 D
6A SF U13 D

SNAP SPADE



6A SS N61 D
6A SS P61 D
6A SS U61 D

6A SS N81 D
6A SS P81 D
6A SS U81 D

6A SS N12 D
6A SS P12 D
6A SS U12 D

HOOK SPADE



6A SH N61 D
6A SH P61 D
6A SH U61 D

6A SH N11 D
6A SH P11 D
6A SH U11 D

PART NUMBERS

1 ST LINE - NYLON WITH INSULATION GRIP

2 ND LINE - PLASTIC INSULATED

3 RD LINE - UNINSULATED WITH BRAZED SEAM



6B SR N41
D
6B SR P41 D
6B SR U41
D



6B SR N61 D
6B SR P61 D
6B SR U61 D



6B SR N81 D
6B SR P81 D
6B SR U81 D



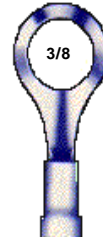
6B SR N12 D
6B SR P12 D
6B SR U12 D



6B SR NC1 D
6B SR PC1 D
6B SR UC1 D



6B SR ND1 D
6B SR PD1 D
6B SR UD1 D



6B SR NE1 D
6B SR PE1 D
6B SR UE1 D



AUTOMOTIVE
STYLE

BLOCK
STYLE

FLANGED



SPADE



6B SB N42 D
6B SB P42 D
6B SB U42 D



6B SB N61 D
6B SB P61 D
6B SB U61 D



6B SB N81 D
6B SB P81 D
6B SB U81 D



6B SB N11 D
6B SB P11 D
6B SB U11 D



6B SF N61
D
6B SF P61 D
6B SF U61
D



6B SF N81 D
6B SF P81 D
6B SF U81 D



6B SF N13 D
6B SF P13 D
6B SF U13 D

SNAP SPADE



6B SS N61 D
6B SS P61 D
6B SS U61 D



6B SS N81 D
6B SS P81 D
6B SS U81 D



6B SS N12 D
6B SS P12 D
6B SS U12 D



6B SH N61 D
6B SH P61 D
6B SH U61 D



6B SH N11 D
6B SH P11 D
6B SH U11 D

12-10 TERMINALS

PART NUMBERS

- 1 ST LINE - NYLON WITH INSULATION GRIP
- 2 ND LINE - PLASTIC INSULATED
- 3 RD LINE - UNINSULATED WITH BRAZED SEAM



6C SR N41
D
6C SR P41 D
6C SR U41
D



6C SR N61 D
6C SR P61 D
6C SR U61 D



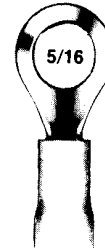
6C SR N81 D
6C SR P81 D
6C SR U81 D



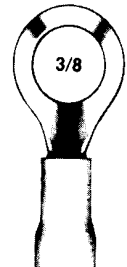
6C SR N11 D
6C SR P11 D
6C SR U11 D



6C SR NC1 D
6C SR PC1 D
6C SR UC1 D

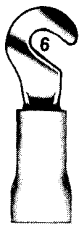


6C SR ND1 D
6C SR PD1 D
6C SR UD1 D



6C SR NE1 D
6C SR PE1 D
6C SR UE1 D

HOOK SPADE



6C SH N61 D
6C SH P61 D
6C SH U61 D



6C SH N11 D
6C SH P11 D
6C SH U11 D



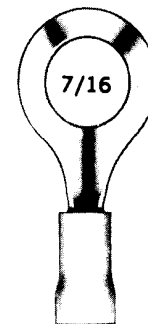
6C SS N61 D
6C SS P61 D
6C SS U61 D



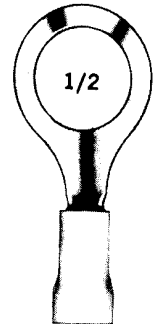
6C SS N81 D
6C SS P81 D
6C SS U81 D



6C SS N12 D
6C SS P12 D
6C SS U12 D



6C SR NF1 D
6C SR PF1 D
6C SR UF1 D



6C SR NG1 D
6C SR PG1 D
6C SR UG1 D



AUTOMOTIVE
STYLE



BLOCK
STYLE



FLANGED



6C SB N61 D
6C SB P61 D
6C SB U61 D



6C SB N81 D
6C SB P81 D
6C SB U81 D



6C SB N11 D
6C SB P11 D
6C SB U11 D



6C SF N61
D
6C SF P61 D
6C SF U61



6C SF N81 D
6C SF P81 D
6C SF U81 D



6C SF N13 D
6C SF P13 D
6C SF U13 D

SPADE

8, 6, 4, 2, TERMINALS



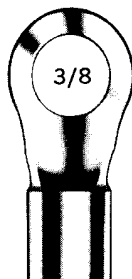
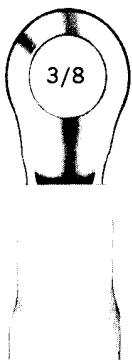
8 WIRE SIZE

<u>STUD SIZE</u>	<u>PLASTIC INSULATION</u>	<u>BRAZED BARREL</u>
1/4	6D SR PC1 D	6D SR UC1 D
5/16	6D SR PD2 D	6D SR UD2 D
3/8	6D SR PE1 D	6D SR UE1 D
7/16	6D SR PF2 D	6D SR UF2 D
1/2	6D SR PG1 D	6D SR UG1 D
5/8	6D SR PJ2 D	6D SR UJ2 D
3/4	6D SR PK1 D	6D SR UK1 D



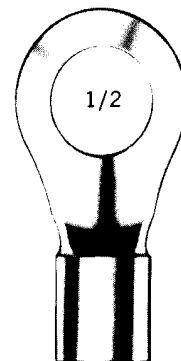
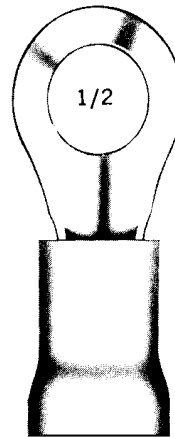
6 WIRE SIZE

<u>STUD SIZE</u>	<u>PLASTIC INSULATION</u>	<u>BRAZED BARREL</u>
1/4	6E SR PC2 D	6E SR UC2 D
5/16	6E SR PD1 D	6E SR UD1 D
3/8	6E SR PE1 D	6E SR UE1 D
7/16	6E SR PF2 D	6E SR UF2 D
1/2	6E SR PG1 D	6E SR UG1 D
5/8	6E SR PJ2 D	6E SR UJ2 D
3/4	6E SR PK1 D	6E SR UK1 D



4 WIRE SIZE

<u>STUD SIZE</u>	<u>PLASTIC INSULATION</u>	<u>BRAZED BARREL</u>
1/4	6F SR PC1 D	6F SR UC1 D
5/16	6F SR PD1 D	6F SR UD1 D
3/8	6F SR PE1 D	6F SR UE1 D
7/16	6F SR PF1 D	6F SR UF1 D
1/2	6F SR PG1 D	6F SR UG1 D
5/8	6F SR PJ2 D	6F SR UJ2 D
3/4	6F SR PK1 D	6F SR UK1 D



2 WIRE SIZE

<u>STUD SIZE</u>	<u>PLASTIC INSULATION</u>	<u>BRAZED BARREL</u>
1/4	6G SR PC1 D	6G SR UC1 D
5/16	6G SR PD2 D	6G SR UD2 D
3/8	6G SR PE1 D	6G SR UE1 D
7/16	6G SR PF1 D	6G SR UF1 D
1/2	6G SR PG1 D	6G SR UG1 D
5/8	6G SR PJ1 D	6G SR UJ1 D
3/4	6G SR PK1 D	6G SR UK1 D

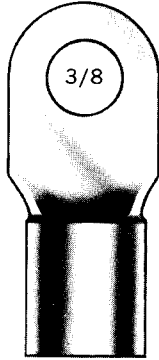
Alpine Supply

We have Connections!

1/0 3/0

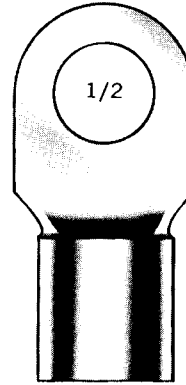
2/0 4/0

TERMINALS



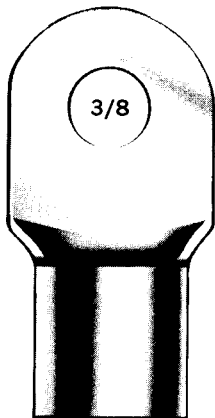
1/0 WIRE SIZE

<u>STUD SIZE</u>	<u>BRAZED BARREL</u>
1/4	6H SR UC1 D
5/16	6H SR UD1 D
3/8	6H SR UE1 D
1/2	6H SR UG1 D



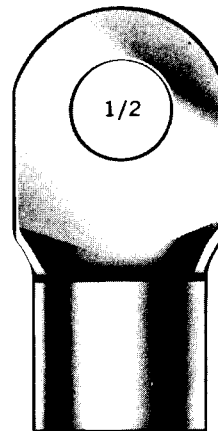
2/0 WIRE SIZE

<u>STUD SIZE</u>	<u>BRAZED BARREL</u>
1/4	6J SR UC1 D
5/16	6J SR UD1 D
3/8	6J SR UE1 D
1/2	6J SR UG1 D
5/8	6J SR UJ1 D



3/0 WIRE SIZE

<u>STUD SIZE</u>	<u>BRAZED BARREL</u>
3/8	6K SR UE1 D
1/2	6K SR UG1 D
5/8	6K SR UJ1 D
3/4	6K SR UK1 D






4/0 WIRE SIZE




<u>STUD SIZE</u>	<u>BRAZED BARREL</u>
5/16	6L SR UD1 D
3/8	6L SR UE1 D
1/2	6L SR UG1 D

QUICK DISCONNECTS




SIZE - .110

	NYLON	PLASTIC	UNINSULATED
WIRE SIZE			
26/24	6M QF N1H 2	6M QF P1H 2	6M QF U1U 2
22/18	6A QF N1H 2	6A QF P1H 2	6A QF U1U 2
14/16	6B QF N1H 2	6B QF P1H 2	6B QF U1U 2




SIZE - .187

	NYLON	PLASTIC	UNINSULATED
WIRE SIZE			
26/24	6M QF N8H 2	6M QF P8H 2	6M QF U8U 2
22/18	6A QF N8H 2	6A QF P8H 2	6A QF U8U 2
14/16	6B QF N8H 2	6B QF P8H 2	6B QF U8U 2
10/12	6C QF N8H 2	6C QF P8H 2	6C QF U8U 2

SIZE - .250

	NYLON	PLASTIC	UNINSULATED
WIRE SIZE			
22/18	6A QF N2H 3	6A QF P2H 3	6A QF U2U 3
14/16	6B QF N2H 3	6B QF P2H 3	6B QF U2U 3
10/12	6C QF N2H 3	6C QF P2H 3	6C QF U2U 3

SIZE - .375

	NYLON	PLASTIC	UNINSULATED
WIRE SIZE			
10/12	6C QF N3H 5	6C QF P3H 5	6C QF U2U 5

QUICK DISCONNECTS

SIZE - .110

WIRE SIZE

NYLON



PLASTIC



UNINSULATED



22/18

14/16

6A QM N1H 2

6B QM N1H 2

6A QM P1H 2

6B QM P1H 2

6A QM U1U 2

6B QM U1U 2

SIZE - .187

WIRE SIZE

NYLON



PLASTIC



UNINSULATED



22/18

14/16

6A QM N8H 2

6B QM N8H 2

6A QM P8H 2

6B QM P8H 2

6A QM U8U 2

6B QM U8U 2

SIZE - .250

WIRE SIZE

NYLON



PLASTIC



UNINSULATED



22/18

14/16

10/12

6A QM N2H 3

6B QM N2H 3

6C QM N2H 3

6A QM P2H 3

6B QM P2H 3

6C QM P2H 3

6A QM U2U 3

6B QM U2U 3

6C QM U2U 3

SIZE - .250

WIRE SIZE

22/18

14/16

10/12

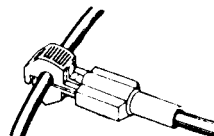
6A AT NRT 0

6B AT NBT 0

6C AT NYT 0

T-TAP

ACCEPTS ANY
.250 MALE TAB





FULLY INSULATED

SIZE - .110 - FEMALE

NYLON INSULATION
WITH INSULATION GRIP

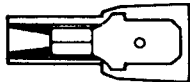
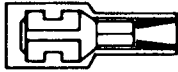

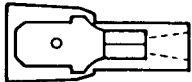
NYLON INSULATION

WIRE SIZE		
20/26 16/14	6M QF N1F 2 6B QF N1F 2	6M QF M1F 2 6B QF M1F 2

SIZE - .187 - MALE & FEMALE

NYLON INSULATION
WITH INSULATION GRIP

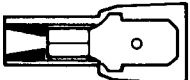



NYLON INSULATION

WIRE SIZE				
22/18 16/14	6A QM N8F 2 6B QM N8F 2	6A QF N8F 2 6B QF N8F 2	6A QF M8F 2 6B QF M8F 2	6A QM M8F 2 6B QM M8F 2

SIZE - .250 - MALE & FEMALE

NYLON INSULATION
WITH INSULATION GRIP



NYLON INSULATION

WIRE SIZE				
22/18 16/14 12/10	6A QM N2F 3 6B QM N2F 3 6C QM N2F 3	6A QF N2F 3 6B QF N2F 3 6C QF N2F 3	6A QF M2F 3 6B QF M2F 3 6C QF M2F 3	6A QM M2F 3 6B QM M2F 3 6C QM M2F 3

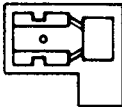


QUICK DISCONNECTS

FLAG FEMALE

SIZE - .187

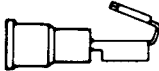
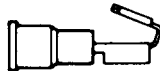

WIRE SIZE	UNINSULATED	UNINSULATED WITH INSULATION GRIP
		
18/22 14/16	6A QL U8U 2 6B QL U8U 2	6A QL G8U 2 6B QL G8U 2

SIZE - .250

WIRE SIZE	FULLY INSULATED	UNINSULATED	UNINSULATED WITH INSULATION GRIP
			
18/22 14/16 10/12	6A QL M2F 3 6B QL M2F 3	6A QL U2U 3 6B QL U2U 3 6C QL U2U 3	6A QL G2U 3 6B QL G2U 3 6C QL G2U 3

PIGGY BACK

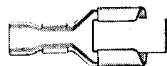
SIZE - .250

WIRE SIZE	NYLON	PLASTIC	UNINSULATED
			
18/22 14/16	6A QP N2H 3 6B QP N2H 3	6A QP P2H 3 6B QP P2H 3	6A QP U2U 3 6B QP U2U 3

MATING TERMINALS



60 QF K20 H



6B QF B2U 0



6B QM B2U 0



60 QM K20 H

CONNECTORS

BULLET CONNECTORS

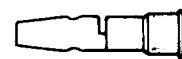
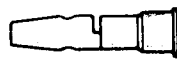
SIZE - .157

NYLON INSULATION
WITH INSULATION GRIP

NYLON
INSULATION

PLASTIC

WIRE SIZE



18/22

6A BF NBF 0

6A BM NBH 0

6A BF MBF 0

6A BM PBH 0

14/16

6B BF NBF 0

6B BM NBH 0

6B BF MBF 0

6B BM PBH 0

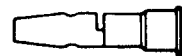
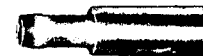
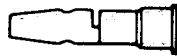
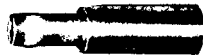
SIZE - .176

NYLON INSULATION
WITH INSULATION GRIP

NYLON
INSULATION

PLASTIC

WIRE SIZE



18/22

6A BF NAF 0

6A BM NAH 0

6A BF MAF 0

6A BM PAH 0

14/16

6B BF NAF 0

6B BM NAH 0

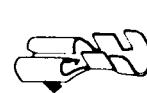
6B BF MAF 0

6B BM PAH 0

OPEN BARREL

SIZE - .250

WIRE SIZE



20/14

6B RP T2U 0

6B RM T2U 0

6B RF R2U 0

6B R2 R2U 0

AIRCRAFT-HAND SHAKES

WIRE SIZE

NYLON INSULATION
WITH INSULATION GRIP

(KNIFE CONNECTORS)

18/22

6A FK N00 0

14/16

6B FK N00 0

10/12

6C FK 000 0




CONNECTORS

STUD TABS

TAB SIZE - .250

TAB SIZE - .250

STUD SIZE		STUD SIZE	
6	60 ST T62 0	6	60 ST T61 0
8	60 ST T82 0		
10	60 ST T12 0		

FLAG RING

FLAG SPADE



STUD SIZE #6

WIRE SIZE

18/22
14/16
10/12

6A SX T6R 0
6B SX T6R 0
6C SX T6R 0

6A SY T6S 0
6B SY T6S 0
6C SY T6S 0

STUD SIZE #8

WIRE SIZE

18/22
14/16
10/12

6A SX T8R 0
6B SX T8R 0
6C SX T8R 0

6A SY T8S 0
6B SY T8S 0
6C SY T8S 0

STUD SIZE #10

WIRE SIZE

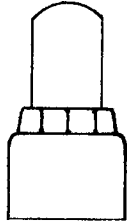
18/22
14/16
10/12

6A SX T1R 0
6B SX T1R 0
6C SX T1R 0

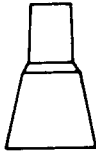
6A SY T1S 0
6B SY T1S 0
6C SY T1S 0

CONNECTORS

BELL CONNECTORS



6W BA 000 0



6W BB 000 0

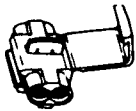


6W BC 000 0

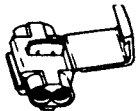


6W BD 000 0

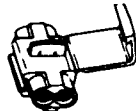
SCOTCH LOCKS



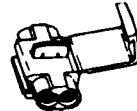
RED
6A AS NRS 0
14-22 GA. RUN
14-22 GA. TAP
WITH STOP



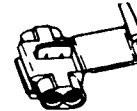
BLUE
6B AS NBS 0
14-18 GA. RUN
14-18 GA. TAP
WITH STOP



WHITE
6B AS NWS 0
14-18 GA. RUN
14-18 GA. TAP
WITHOUT STOP





BROWN
6C AS NNS 0
12-10 GA. RUN
14-18 GA. TAP
WITH STOP



YELLOW
6C AS NYS 0
10-12 GA. RUN
10-12 GA. TAP
WITH STOP

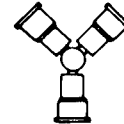
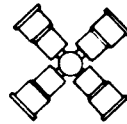
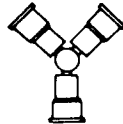
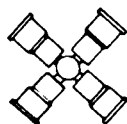
TRAILER PINS

WIRE SIZE		WIRE SIZE	
14/16	6B TP 000 0	10/12	6C TP 000 0

X & Y TERMINALS

NYLON INSULATION

PLASTIC INSULATION



WIRE SIZE	6A 4N 000 0	6A 3N 000 0	6A 4P 000 0	6A 3P 000 0
18/22	6A 4N 000 0	6A 3N 000 0	6A 4P 000 0	6A 3P 000 0
14/16	6B 4N 000 0	6B 3N 000 0	6B 4P 000 0	6B 3P 000 0
10/12	6C 4N 000 0	6C 3N 000 0	6C 4P 000 0	6C 3P 000 0

BUTT CONNECTORS



- 6A BN R00 S 18-22 GA. RED
- 6B BN R00 S 14-16 GA. BLUE
- 6C BN R00 S 12-10 GA. YELLOW

QUICK DISCONNECTS



MALE

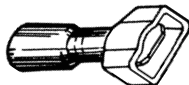
- 6A QM S2H 3 18-22 GA .250 MALE
- 6B QM S2H 3 14-16 GA .250 MALE
- 6C QM S2H 3 12-10 GA .250 MALE



FEMALE

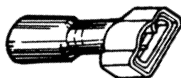
- 6A QF S2H 3 18-22 GA .250 FEMALE
- 6B QF S2H 3 14-16 GA .250 FEMALE
- 6C QF S2H 3 12-10 GA .250 FEMALE

FULLY-INS MALE



- 6A QM S2F 3 18-22 GA .250 MALE
- 6B QM S2F 3 14-16 GA .250 MALE
- 6C QM S2F 3 12-10 GA .250 MALE

FULLY-INS FEMALE



- 6A QF S2F 3 18-22 GA .250 FEMALE
- 6B QF S2F 3 14-16 GA .250 FEMALE
- 6C QF S2F 3 12-10 GA .250 FEMALE

RING TERMINALS



- 6A SR S61 D 18-22 GA #6 RED
- 6A SR S81 D 18-22 GA #8 RED
- 6A SR S12 D 18-22 GA #10 RED
- 6A SR SC1 D 18-22 GA 1/4" RED
- 6B SR S61 D 14-16 GA #6 BLUE
- 6B SR S81 D 14-16 GA #8 BLUE
- 6B SR S12 D 14-16 GA #10 BLUE
- 6B SR SC1 D 14-16 GA 1/4" BLUE
- 6B SR SD1 D 14-16 GA 5/16" BLUE
- 6B SR SE1 D 14-16 GA 3/8" BLUE
- 6C SR S61 D 12-10 GA #6 YELLOW
- 6C SR S81 D 12-10 GA #8 YELLOW
- 6C SR S11 D 12-10 GA #10 YELLOW
- 6C SR SC1 D 12-10 GA 1/4" YELLOW
- 6C SR SD1 D 12-10 GA 5/16" YELLOW
- 6C SR SE1 D 12-10 GA 3/8" YELLOW

BULLET CONNECTORS



- 6A BF SBF 0 22-18 GA .157 FEMALE
- 6B BF SBF 0 14-16 GA .157 FEMALE



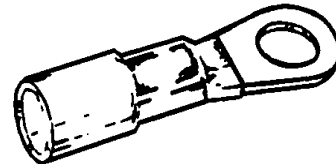
- 6A BM SBH 0 22-18 GA .157 MALE
- 6B BM SBH 0 14-16 GA .157 MALE

BUTT CONNECTORS



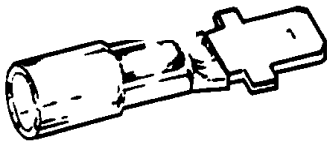
6A BN L00 0 18-22 GA. RED
6B BN L00 0 14-16 GA. BLUE
6C BN L00 0 12-10 GA. YELLOW

RING TERMINALS



6A SR L61 D 18-22 GA #6 RED
6A SR L81 D 18-22 GA #8 RED
6A SR L12 D 18-22 GA #10 RED
6A SR LC1 D 18-22 GA 1/4" RED

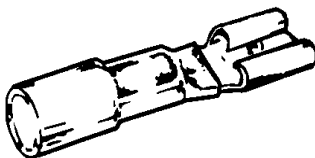
QUICK DISCONNECTS



MALE

6A QM L2H 3 18-22 GA .250 MALE
6B QM L2H 3 14-16 GA .250 MALE
6C QM L2H 3 12-10 GA .250 MALE

6B SR L61 D 14-16 GA #6 BLUE
6B SR L81 D 14-16 GA #8 BLUE
6B SR L12 D 14-16 GA #10 BLUE
6B SR LC1 D 14-16 GA 1/4" BLUE
6B SR LD1 D 14-16 GA 5/16" BLUE
6B SR LE1 D 14-16 GA 3/8" BLUE

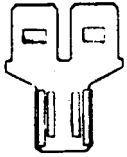


FEMALE

6A QF L2H 3 18-22 GA .250 FEMALE
6B QF L2H 3 14-16 GA .250 FEMALE
6C QF L2H 3 12-10 GA .250 FEMALE

6C SR L61 D 12-10 GA #6 YELLOW
6C SR L81 D 12-10 GA #8 YELLOW
6C SR L11 D 12-10 GA #10 YELLOW
6C SR LC1 D 12-10 GA 1/4" YELLOW
6C SR LD1 D 12-10 GA 5/16" YELLOW
6C SR LE1 D 12-10 GA 3/8" YELLOW

SPECIALTY TERMINALS



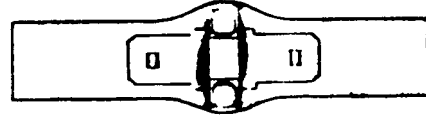
60 QA B00 0



60 QD B00 0



60 QV B00 0



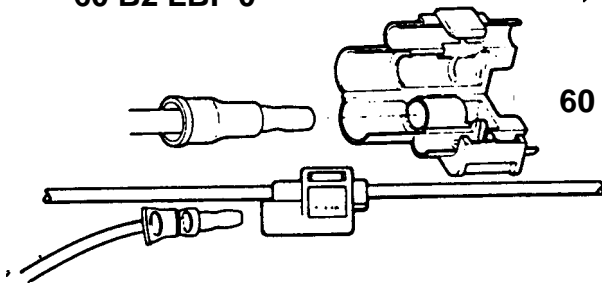
60 QB L2F 0



60 B2 LBF 0

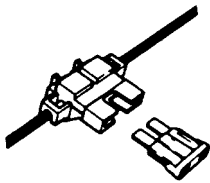


60 B3 KBF 0

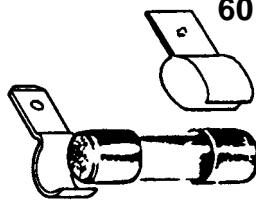


60 B6 LBF 0

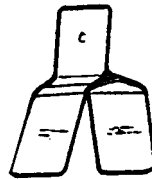
FUSE ADAPTERS



60 AF LOT 0

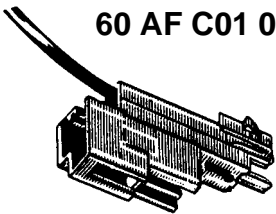


60 AF B0D 0



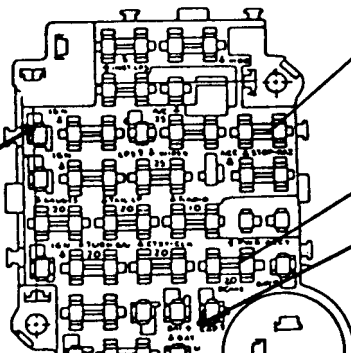
60 AF B0C 0

60 AF B0B 0



60 AF C01 0

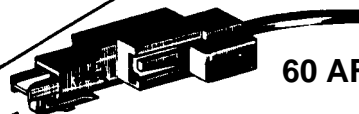
GM FUSE BLOCK



60 AF T0M 0



60 AF B0A 0



60 AF C0Y 0

(CLEAR) TO TAP CURRENT CONTROLLED BY
IGNITION SWITCH-RADIOS, CB'S, ETC.

(BLACK) TO TAP CURRENT FROM BATTERY.
ALWAYS ON-CLOCKS, BURGULAR ALARMS,
ETC.

CONNECTORS

WIRE NUTS



GREY

WN 78 BG0 0



RED

WN 76 BR0 0



YELLOW

WN 74 BY0 0



ORANGE

WN 73 B00 0



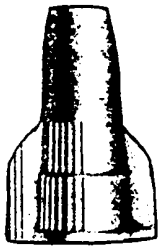
BLUE

WN 72 BB0 0



GREY

WN 71 BG0 0



YELLOW

WN 45 1Y0 0



RED

WN 45 2R0 0



BLUE

WN 45 4B0 0



GREEN

WN 45 2GR 0



YELLOW

WN Y0 000 0



RED

WN R0 000 0



BLUE

WN B0 000 0

FRAME CLIPS

PUSH ON WIRE CLIPS ARE MADE OF SPRING STEEL WITH A BLACK ENAMEL FINISH. USED TO SECURE ONE OR MORE WIRES TO PANEL SURFACES. SPRING TENSION HOLDS CLAMP IN PLACE. SHOWN ACTUAL SIZE.



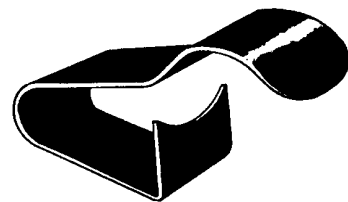
FR 96 200 0
SMALL BODY
CLIP



FR 96 210 0
MEDIUM BODY
CLIP



FR 96 220 0
LARGE BODY
CLIP

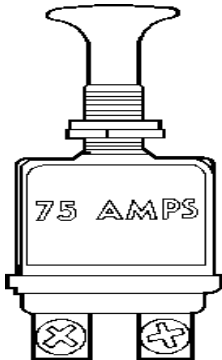


Alpine Supply

We have Connections!

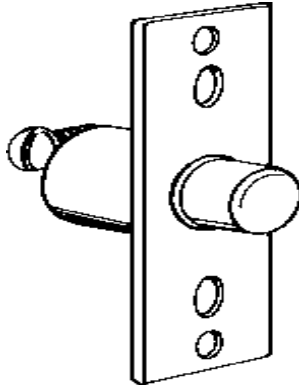
SWITCHES

75 AMP PUSH-PULL SWITCH



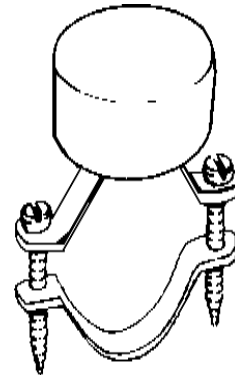
PP 35 306 0

DOOR SWITCH



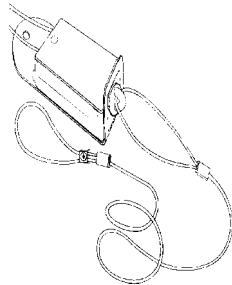
PP 52 616 0

HORN BUTTON



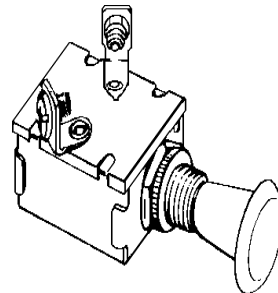
PP 52 660 0

BREAKAWAY DEVICE



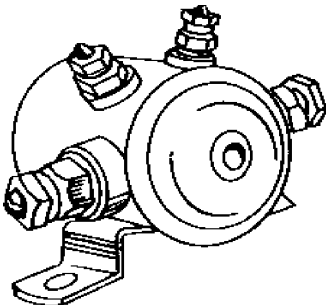
PP 52 500 0

25 AMP PUSH-PULL SWITCH



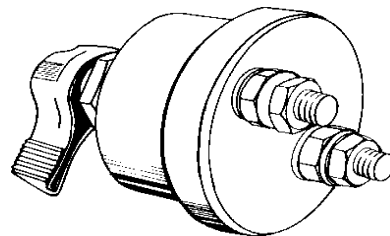
PP 35 300 0

SOLENOID SWITCHES



PP 52 302 0 6V INS BASE/OPEN CAP
PP 52 303 0 12V GRD BASE
PP 52 304 0 12V INS BASE
PP 52 305 0 12V UNIV/GRD BASE
PP 52 306 0 12V GRD BASE/BRTHCAP
PP 52 307 0 12V/CONT/INS BASE

MASTER DISCONNECT SWITCH



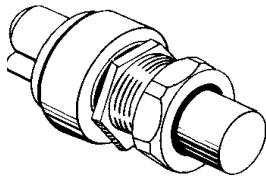
PP 51 302 0

Alpine Supply

We have Connections!

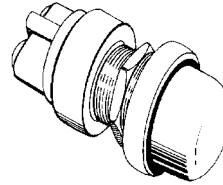
STARTER SWITCHES

MOMENTARY START SWITCH



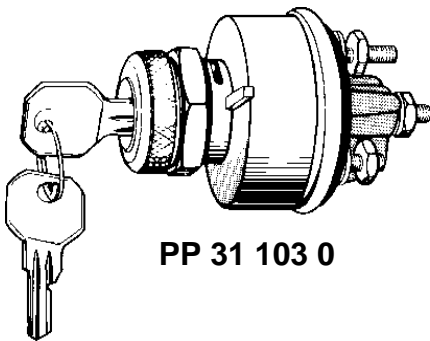
PP 24 359 0

MOM. START SWITCH WEATHER PROOF

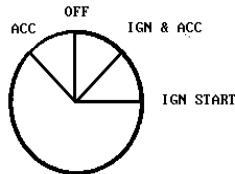


PP 24 360 0

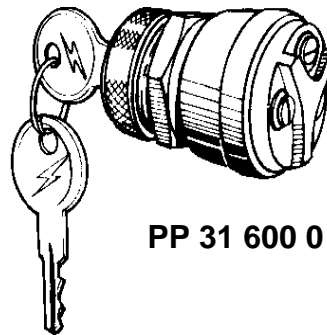
IGNITION STARTER SWITCH



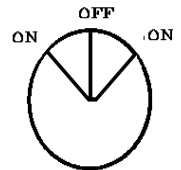
PP 31 103 0



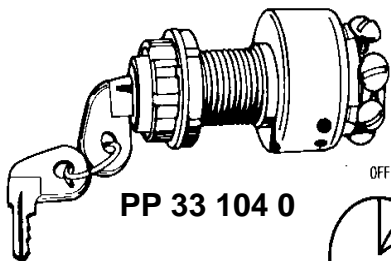
IGNITION LOCK SWITCH



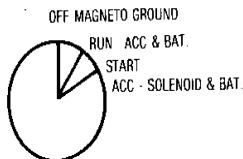
PP 31 600 0



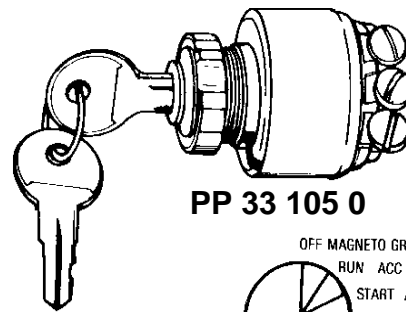
MARINE SWITCH



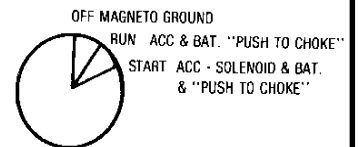
PP 33 104 0



MARINE SWITCH

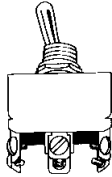


PP 33 105 0

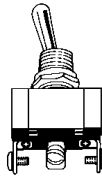


FOR MORE INFORMATION REFER TO POLLAK CAT.

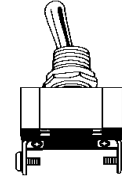
20 AMP SWITCHES



pp 34 576 0 on/on dpdt
pp 34 577 0 on/off/on dpdt
pp 34 578 0 mom on/off/on dpdt

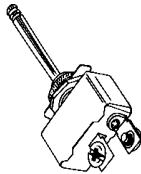


pp 34 572 0 on/on spdt
pp 34 575 0 m on/off/m on dpdt

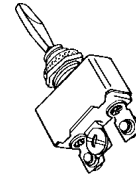


pp 34 570 0 mom on/off spst
pp 34 571 0 on/off spst
pp 34 573 0 on/off/on spdt

50 AMP SWITCHES

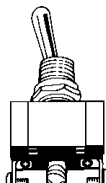


pp 34 213 0 on/off spst
pp 34 220 0 on/off/m on spdt



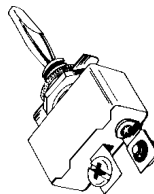
pp 34 215 0 m on/off/m on spdt
pp 34 218 0 on/off/on spdt
pp 34 225 0 on/on spdt

20 AMP SWITCH



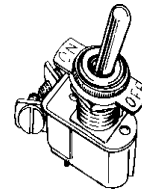
pp 34 574 0 on/off dpst

50 AMP SWITCH



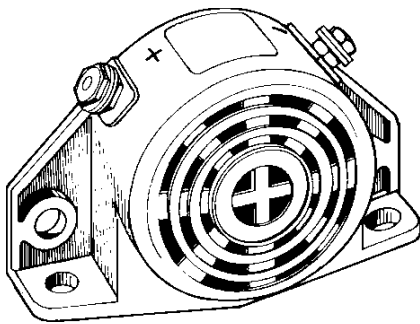
pp 34 212 0 on/off spst

6 AMP SWITCH



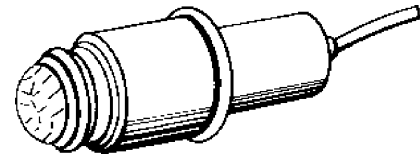
pp 34 500 0 on/off spst

BACK-UP ALARM



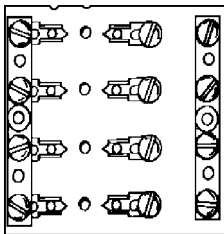
PP 41 720 0 97 DB(A) 12-36 VOLTS

12 VOLT PILOT LIGHT



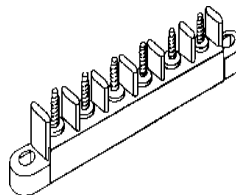
PP 52 115 0 1/2 RED DIA LIGHT

FUSE AND TERMINAL BLOCK



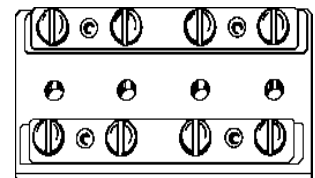
PP 52 209 0 2 GANG
PP 52 210 0 4 GANG
PP 52 211 0 6 GANG

TERMINAL BLOCK



PP 52 244 0 4 GANG
PP 52 245 0 6 GANG
PP 52 246 0 8 GANG

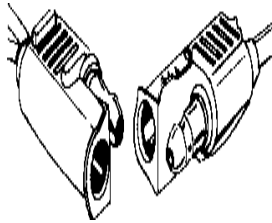
TERMINAL BLOCK



PP 52 200 0 2 GANG
PP 52 201 0 4 GANG
PP 52 202 0 6 GANG

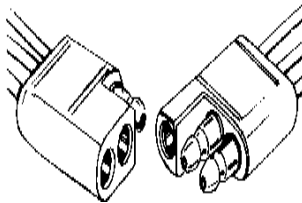
TRAILER PLUGS

2-WAY CONNECTOR



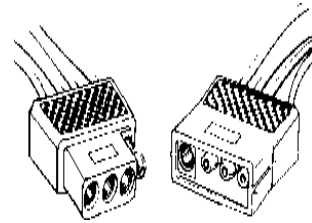
MC 2B 612 F COMPLETE

3-WAY CONNECTOR



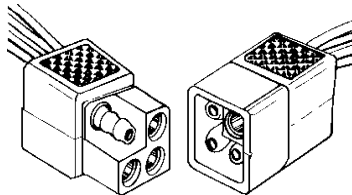
MC 3B 612 F COMPLETE
MC 3F 612 F FEMALE END
MC 3M 612 F MALE END

4-WAY CONNECTOR



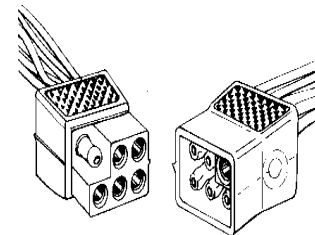
MC 4B 612 F COMPLETE
MC 4F 612 F FEMALE END
MC 4M 612 F MALE END

4-WAY CONNECTOR SQUARE TYPE



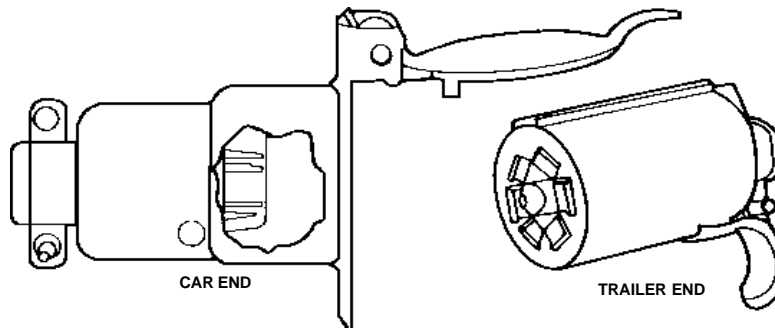
MC 4B 8B0 S COMPLETE

6-WAY CONNECTOR SQUARE TYPE



MC 6B 812 S COMPLETE

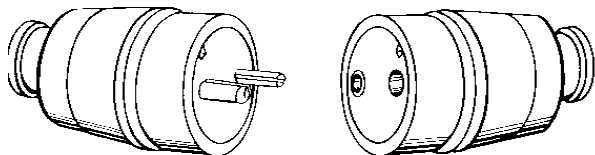
7-WAY RV CONNECTOR



PP 12 700 0 COMPLETE
PP 12 702 0 TRAILER END ONLY
PP 12 703 0 CAR END ONLY
PP 12 701 0 BRACKET FOR CAR END

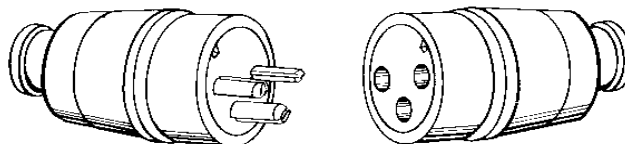
TRAILER PLUGS

2-WAY CONNECTOR



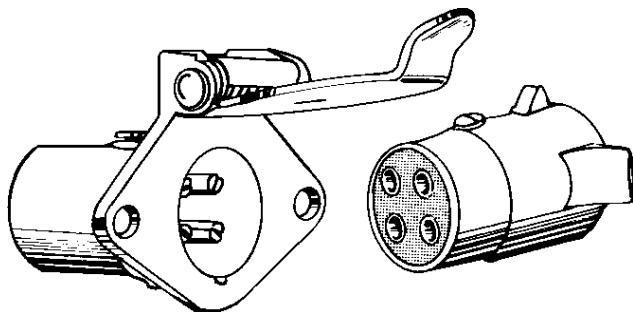
PP 11 200 0 COMPLETE

3-WAY CONNECTOR



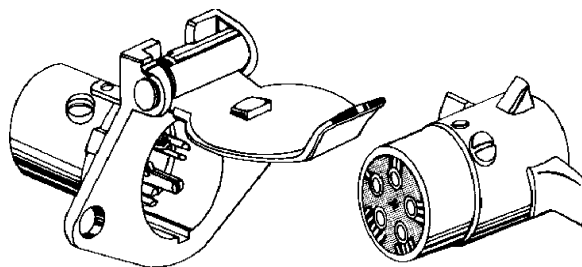
PP 11 300 0 COMPLETE

4-WAY CONNECTOR



PP 11 408 0 COMPLETE
PP 11 409 0 PLUG
PP 11 410 0 SOCKET

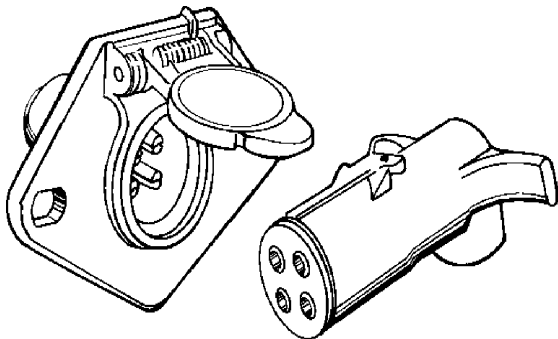
5-WAY CONNECTOR



PP 11 500 0 COMPLETE
PP 11 501 0 PLUG
PP 11 502 0 SOCKET

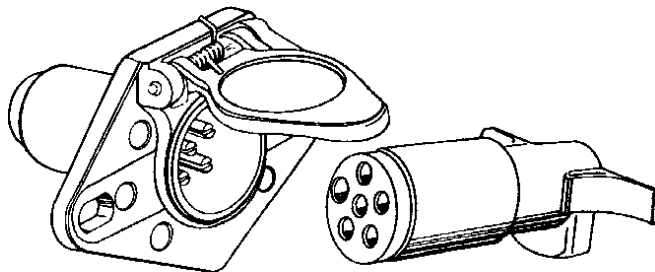
TRAILER PLUGS

4-WAY CONNECTOR



PP 11 400 0 COMPLETE
PP 11 402 0 PLUG
PP 11 404 0 SOCKT

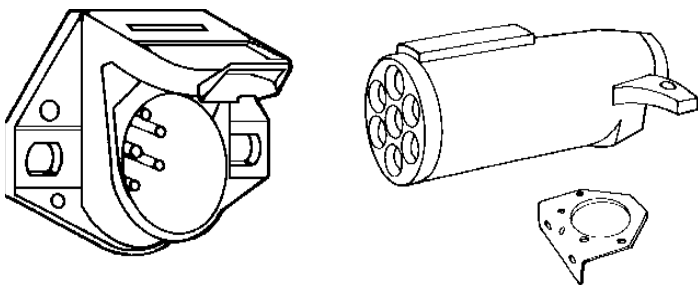
6-WAY CONNECTOR



PP 11 603 0 COMPLETE
PP 11 604 0 PLUG
PP 11 609 0 SOCKET
PP 11 605 0 PLUG W/SPR.

7-WAY CONNECTOR

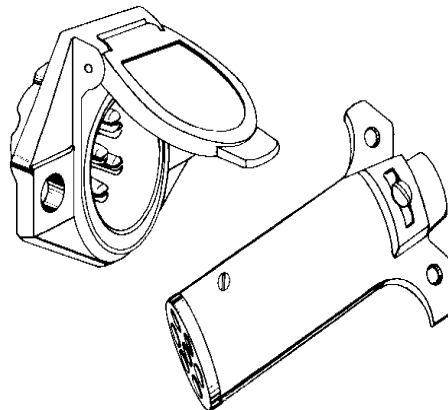
MOLDED POLLA/GLASS



PP 11 704 0 PLUG
PP 11 723 0 SOCKET
PP 11 761 0 BOOT
PP 11 771 0 BRACKET

7-WAY CONNECTOR

ZINC DIE-CAST



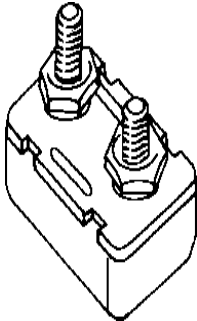
PP 11 721 0 SOCKET SPLIT PIN
PP 11 720 0 SOCKET SOLID PIN
PP 11 700 0 PLUG
PP 11 702 0 PLUG W/SPR

PP 11 763 0 SPRING

PP 11 761 0 BOOT

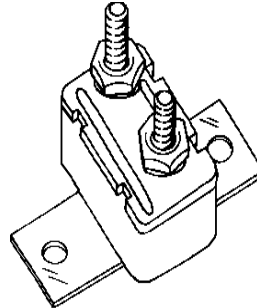
CIRCUIT BREAKERS

AUTOMATIC RESET NO BRACKET



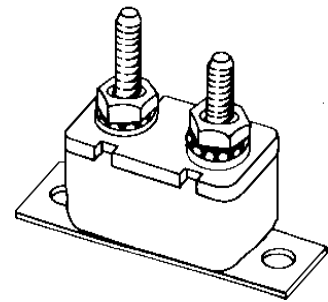
FC ST D08 0 8 AMPS
FC ST D15 0 10 AMPS
FC ST D20 0 20 AMPS
FC ST D25 0 25 AMPS
FC ST D30 0 30 AMPS
FC ST D40 0 40 AMPS
FC ST D50 0 50 AMPS

AUTOMATIC RESET 90 BRACKET



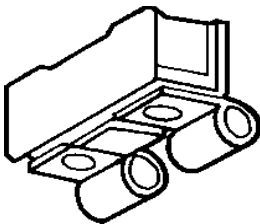
FC 90 015 0 15 AMPS
FC 90 020 0 20 AMPS
FC 90 025 0 25 AMPS
FC 90 030 0 30 AMPS
FC 90 040 0 40 AMPS
FC 90 050 0 50 AMPS

AUTOMATIC RESET INLINE BRACKET



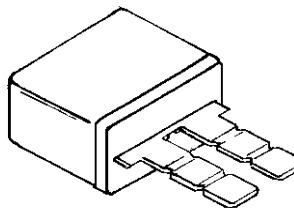
FC 1N L15 0 15 AMPS
FC 1N L20 0 20 AMPS
FC 1N L25 0 25 AMPS
FC 1N L30 0 30 AMPS
FC 1N L40 0 40 AMPS
FC 1N L50 0 50 AMPS

REMOTE RESET SNAP-INS



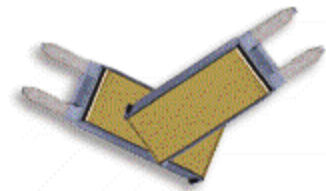
FC SN P10 0 10 AMPS
FC SN P15 0 15 AMPS
FC SN P20 0 20 AMPS
FC SN P25 0 25 AMPS
FC SN P30 0 30 AMPS

AUTOMATIC RESET BLADE TERMINALS



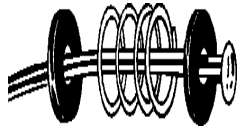
FC AT 010 0 10 AMPS
FC AT 015 0 15 AMPS
FC AT 020 0 20 AMPS
FC AT 025 0 25 AMPS
FC AT 030 0 30 AMPS

AUTOMATIC RESET BLADE MINI TERMINALS

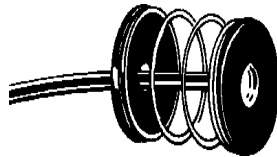


FC 21 210 0 10 AMPS
FC 21 215 0 15 AMPS
FC 21 220 0 20 AMPS
FC 21 225 0 25 AMPS

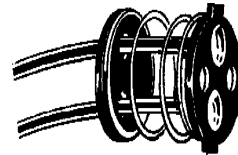
PIGTAILS



PT W2 900 0
MINI BULB BASE



PT W1 000 0
REG. BULB BASE



PT C2 ST0 0
DBLE. CONT.



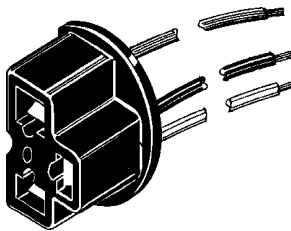
MC PH 79F 0
.157 PLUG



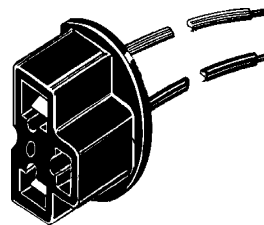
PT PL 440 0
.176 PLUG WATERPROOF



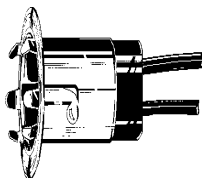
PT PL 430 0
.176 PLUG WATERPROOF



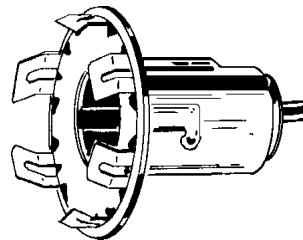
PT J3 089 0
3-WIRE 12 VOLT



PT J3 384 0
2-WIRE 12-VOLT



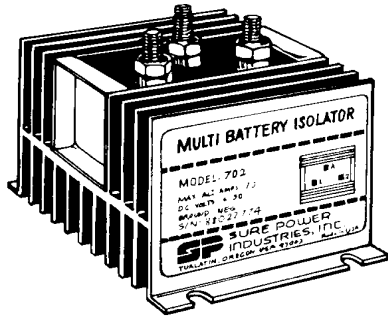
PT PL 130 0
DBLE. CONT.



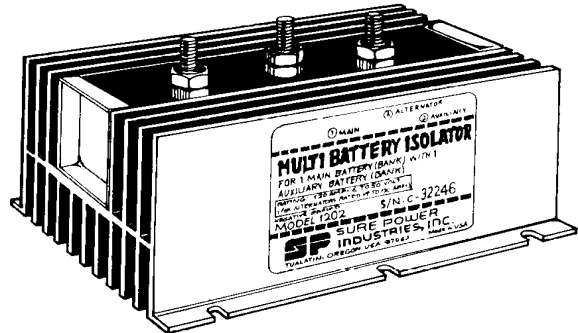
PT PL 310 0
SING. CONT.

ISOLATORS

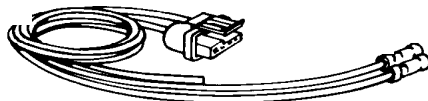
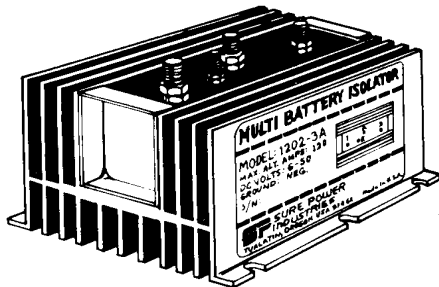
ISOLATORS FOR MULTI-BATTERY SYSTEMS



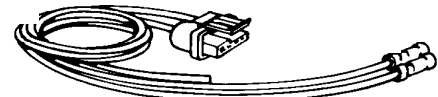
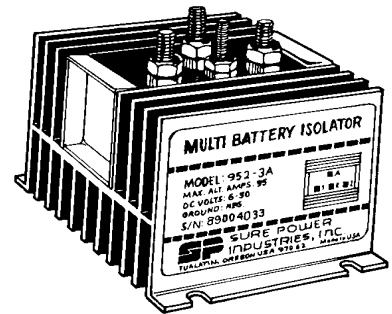
BS 70 2-D 70 AMP OUTPUT
0 95 AMP OUTPUT
BS 95 2-D
0



BS 12 02- D 120 AMP OUTPUT, 2 BATTERY SYSTEM
BS 12 03- D 120 AMP OUTPUT 3 BATTERY SYSTEM

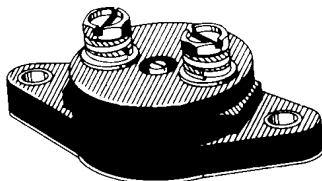


BS 12 023 A 120 AMPS, 2 BATTERY WITH DELCOTRON CS KIT
BS 12 033 A 120 AMPS, 3 BATTERY WITH DELCOTRON CS KIT

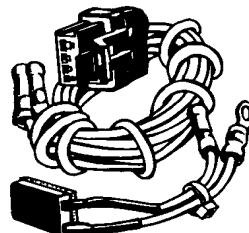


BS 95 23A 0 95 AMPS, 2 BATTERY WITH DELCOTRON CS KIT

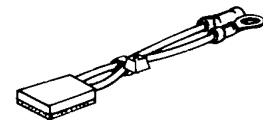
CIRCUIT BREAKERS



BS 15 50- D 50 AMP CONT. DUTY
BS 15 08- D 80 AMP CONT. DUTY
BS 15 12- D 120 AMP CONT. DUTY



BS 14 42D 0 ALTERNATOR PLUG-IN AND CIRCUIT BREAKERS

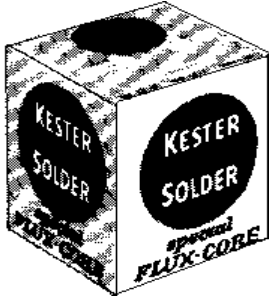


BS 15 100 0 10 AMP CIRCUIT BREAKER

Alpine Supply

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SOLDER

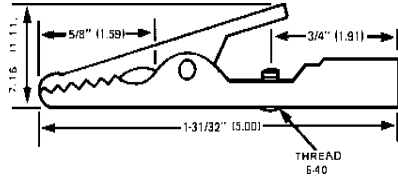


ALPINE #	DESCRIPTION	KESTER #
SD R6 246 1 SD R9 346 1	.062 40/60 1LB. .093 40/60 1LB.	24-4060-0061 24-4060-0066
SD R2 063 1 SD R2 563 1 SD R3 163 1 SD R4 063 1 SD R5 063 1 SD R6 263 1	.020 63/37 1LB. .025 63/37 1LB. .031 63/37 1LB. .041 63/37 1LB. .050 63/37 1LB. .062 63/37 1LB.	24-6337-0010 24-6337-0018 24-6337-0027 24-6337-0039 24-6337-0062
SD R2 064 1 SD R2 564 1 SD R3 164 1 SD R5 064 1 SD R6 264 1 SD R9 364 1	.020 60/40 1LB. .025 60/40 1LB. .031 60/40 1LB. .050 60/40 1LB. .062 60/40 1LB. .093 60/40 1LB.	24-6040-0010 24-6040-0018 24-6040-0027 24-6040-0053 24-6040-0061 24-6040-0066
SD A1 846 1 SD A1 846 5 SD A1 855 1	.125 40/60 1LB. .125 40/60 5LB. .125 50/50 1LB.	24-4060-2437 26-4060-2437 24-5050-2437

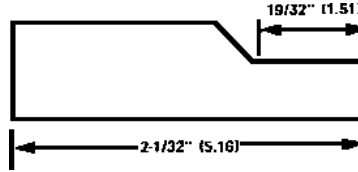
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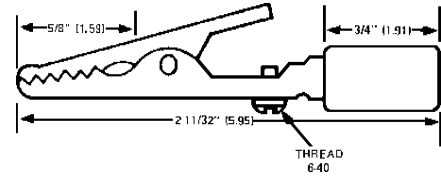
ALLIGATOR CLIPS



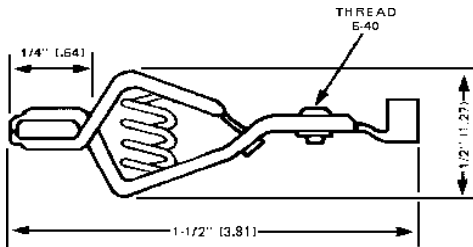
AC 60 000 0
AC 60 S00 0
AC 60 C00 0



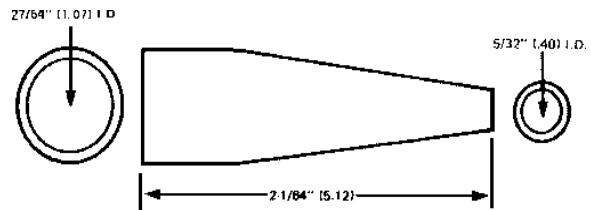
AC 62 000 R RED
AC 62 000 B BLACK



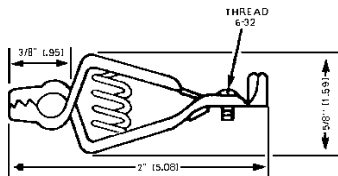
AC 60 CHS R
AC 60 CHS B



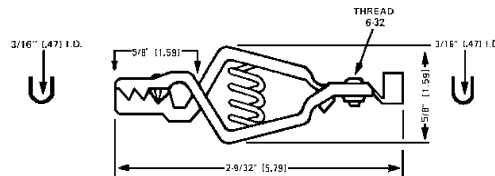
AC 45 C00 0



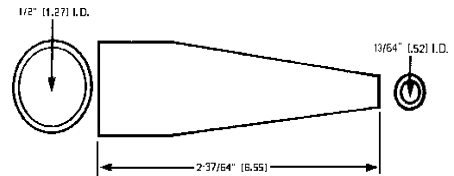
AC 47 000 R RED
AC 47 000 B BLACK



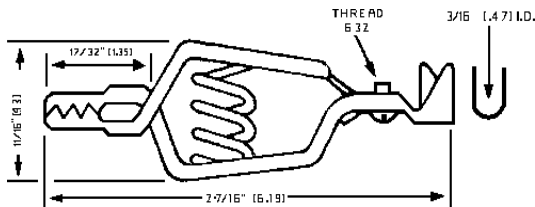
AC 48 C00 0



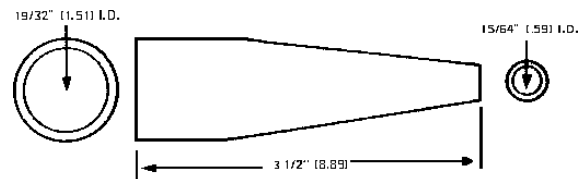
AC 50 C00 0



AC 49 000 R RED
AC 49 000 B BLACK



AC 27 C00 0 40 AMP

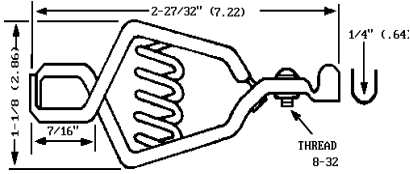


AC 29 000 R RED
AC 29 000 B BLACK

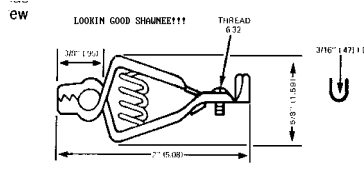
Alpine Supply

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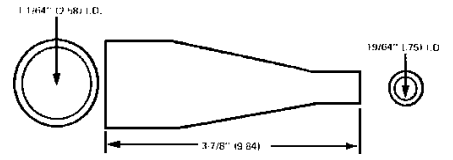
ALLIGATOR CLIPS



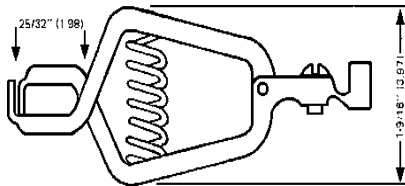
AC 24 A00 0 25 AMP



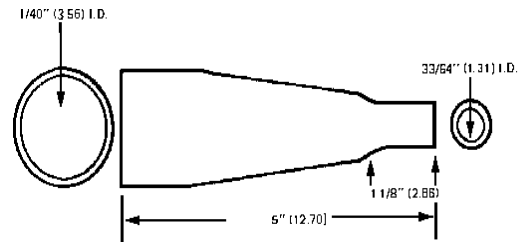
AC 25 C00 0 75 AMP



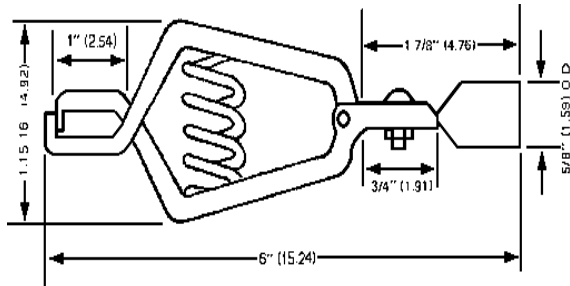
AT 26 000 R RED
AT 26 000 B BLACK



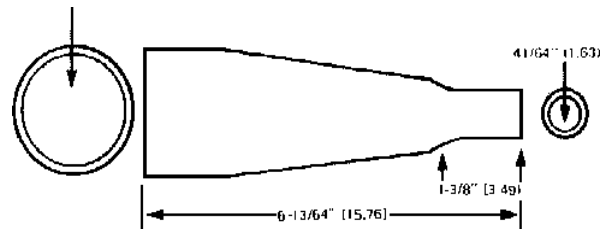
AC 21 A00 0 50 AMPS



AT 23 000 R RED
AT 23 000 B BLACK



AC 11 C00 0

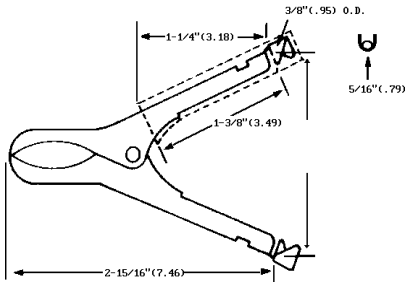


AT 13 000 R RED
AT 13 000 B BLACK

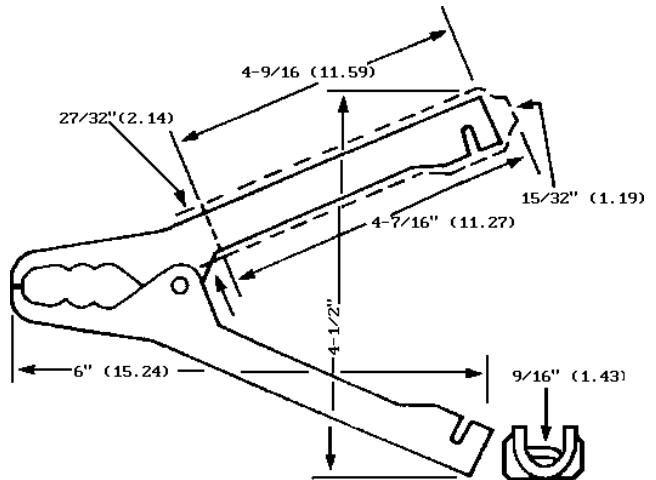
Alpine Supply

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BATTERY CLAMPS



BC M4 6A0 R RED 50 AMP
BC M4 6A0 B BLACK 50 AMP



AC 41 A00 R RED 100 AMP
AC 41 A00 B BLACK 100 AMP

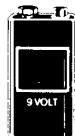
AKALINE BATTERIES



B1 AA A00 T B1 N0 000 T
"AAA" CELL "N" CELL



B1 AA 000 T
"AA" CELL



B1 90 000 T
9 VOLT

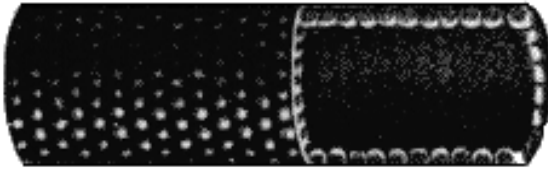


B1 C0 000 T
"C" CELL



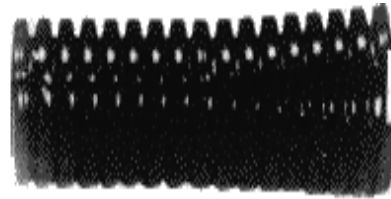
B1 D0 000 T
"D" CELL

LOOM/SPIRAL WRAP



FABRIC LOOM

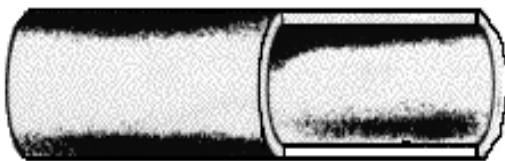
<u>PART NUMBER</u>	<u>INSIDE DIAMETER</u>
LM FA 316 B	3/16
LM FA 014 B	1/4
LM FA 516 B	5/16
LM FA 038 B	3/8
LM FA 716 B	7/16
LM FA 012 B	1/2
LM FA 916 B	9/16
LM FA 058 B	5/8
LM FA 034 B	3/4
LM FA 078 B	7/8
LM FA 100 B	1"



SPLIT LOOM

<u>PART NUMBER</u>	<u>INSIDE DIAMETER</u>
LM SP 014 B	1/4"
LM SP 516 B	5/16"
LM SP 038 B	3/8"
LM SP 012 B	1/2"
LM SP 058 B	5/8"
LM SP 034 B	3/4"
LM SP 100 B	1"
LM SP 125 B	1 1/4"
LM SP 150 B	1 1/2"

B-BLACK
 G-GRAY (FLAME RESISTANT)
 ALSO AVAILABLE



GREY PLASTIC LOOM

<u>PART NUMBER</u>	<u>INSIDE DIAMETER</u>
LM PS 316 G	3/16
LM PS 014 G	1/4
LM PS 516 G	5/16
LM PS 038 G	3/8
LM PS 716 G	7/16
LM SP 012 G	1/2
LM SP 916 G	9/16

THIN WALL SEMI-RIGID METALLIC GREY
POLYETHYLENE LOOM



SPIRAL WRAP

<u>PART NUMBER</u>	<u>SIZE</u>	<u>MAX. BUNDLE</u>
SW P0 180 N	1/8	1/2
SW P0 316 N	3/16	1 1/2
SW P0 140 N	1/4	2
SW P0 380 N	3/8	3
SW P0 120 N	1/2	4
SW P0 340 N	3/4	6
SW P0 100 N	1	8

N=NATURAL
 B=BLACK

Alpine Supply

We have Connections!

SHRINK TUBING

HCG SHRINK TUBING

APPLICABLE MIL-I-23053B/5, CLASSES 1,2
SPECIFICATIONS: TYPE 1, FLAME-RETARDED

OPERATING -55°C TO 135°C
TEMPERATURE RANGE: -67°F TO 275°F

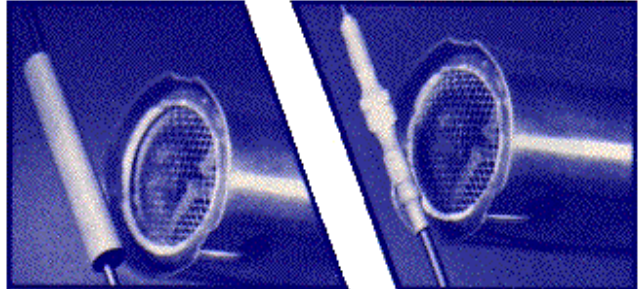
SHRINK RATIO: 2 TO 1 (50%)

SHRINK TEMPERATURE: 121°C/250°F

COLORS: STANDARD BLACK

ALSO AVAILABLE IN WHITE,
RED, BLUE, YELLOW

TYPE 2, NOT FLAME RE-
TARDED



COMMERCIAL GRADE IRRADIATED HEAT SHRINKABLE POLYOLEFIN TUBING FOR USE IN GENERAL PURPOSE APPLICATIONS. HCG MEETS THE REQUIREMENTS OF MIL-I-23053B/5 AND IS U/L APPROVED. MATERIAL PROVIDES EXCELLENT ELECTRICAL AND MECHANICAL PROTECTION. HG-105A HEAT GUN IS RECOMMENDED FOR APPLICATION.

PART NUMBER	SIZE	EXPANDED AS SUPPLIED	RECOVERED AFTER HEATING
ST HG 364 B	3/64	.046	.023
ST HG 164 B	1/16	.063	.031
ST HG 334 B	3/32	.093	.046
ST HG 184 B	1/8	.125	.062
ST HG 314 B	3/16	.187	.093
ST HG 144 B	1/4	.250	.125
ST HG 384 B	3/8	.375	.187
ST HG 124 B	1/2	.500	.250
ST HG 344 B	3/4	.750	.375
ST HG 104 B	1	1.00	.500

HIM SHRINK TUBING

(MELTABLE INNER WALL)

APPLICABLE MIL-I-23053B/4
SPECIFICATIONS: AMS 3634

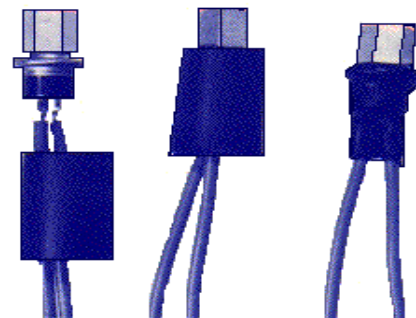
OPERATING -55°C TO 110°C
TEMPERATURE RANGE: -67°F TO 230°F

SHRINK RATIO: 3 TO 1 (VARIES BY DIAMETER)

SHRINK TEMPERATURE: 135°C/275°F

COLORS: STANDARD BLACK

ALSO AVAILABLE IN WHITE,
RED, BLUE, YELLOW



THE OUTER WALL OF THIS DUAL WALL TUBING HAS AN ELASTIC MEMORY THAT ALLOWS IT TO SHRINK WITHOUT MELTING. THE INNER WALL MELTS DURING HEAT APPLICATION AND IS FORCED BY THE CONTRACTING OUTER WALL TO FLOW IN AND AROUND THE CONFIGURATIONS OF THE OBJECT BEING COVERED. WHEN COOL, THE ENTIRE MASS BECOMES RIGID, TOUGH SINGLE MOLDING, MAKING HIM AN EXCELLANT ENCAPSULATION FOR DELICATE COMPONENTS. HIM IS ALSO EXCELLENT WHERE MOISTURE IS A PROBLEM; THE FINAL SEAL FORMS A MOISTURE PROOF BARRIER. HIM SHRINKS QUICKLY TO BETWEEN 17% AND 42% OF SUPPLIED DIAMETER; LONGITUDINAL SHRINK IS LESS THAN 10%. #HG-105A HEAT GUN IS RECOMMENDED FOR PROPER APPLICATION.

PART NUMBER	SIZE	EXPANDED AS SUPPLIED	RECOVERED AFTER HEATING
ST HM 184 B	1/8	.125	.023
ST HM 314 B	3/16	.187	.060
ST HM 144 B	1/4	.250	.080
ST HM 384 B	3/8	.375	.135
ST HM 124 B	1/2	.500	.195
ST HM 344 B	3/4	.750	.313
ST HM 104 B	1	1.000	.400

SHRINK TUBING

SEALANT SHRINK TUBING

PART NUMBER	SIZE & COLOR	EXPANDED AS SUPPLIED	RECOVERED AFTER HEATING
ST TC 044 B	.4" BLACK	.400	.150
ST TC 044 R	.4" RED	.400	.150
ST TC 074 B	.7" BLACK	.700	.220
ST TC 074 R	.7" RED	.700	.220
ST TC 114 B	1.10" BLACK	1.10	.400
ST TC 114 R	1.10" RED	1.10	.400
ST TC 154 B	1.5" BLACK	1.50	.500
ST TC 201 B	2.0" BLACK	2.00	.750
ST TC 254 B	2.5" BLACK	2.50	1.00



(3:1 SHRINK RATIO)

(RADIATION CROSSLINKED, HEAT-SHRINKABLE POLYOLEFIN SLEEVE) 600 VOLT ELECTRICAL POWER APPLICATIONS WITH A SPECIAL INNER SEALANT THAT FLOWS WHEN HEATED THIS SEALANT IS INSOLUBLE IN WATER, GASOLINE, DIESEL FUEL AND MOST COMMON ACIDS. WHEN APPLIED TO A BATTERY TERMINAL AND CABLE, A COMPLETE SEAL IS ACCOMPLISHED WHICH ELIMINATES BATTERY TERMINAL CORROSION (AT BATTERY TERMINAL-CABLE CONNECTION) DUE TO BATTERY ACID.

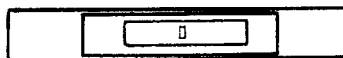


BATTERY TERMINAL SHRINK TUBING

(ELIMINATES BATTERY CABLE CORROSION)

BUTT CONNECTORS WITH SEALANT TYPE SHRINK TUBING

PART NUMBER	WIRE GAUGE
6A BN R0S 0	18-22
6B BN R0S 0	14-16
6C BN R0S 0	10-12



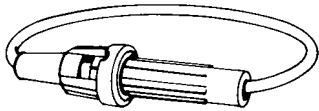
ELIMINATE FAULTY CONNECTIONS

SEAL OUT ALL MOISTURE, SALT, AND OTHER CORROSIVE ELEMENTS TO YOUR ELECTRICAL CONNECTIONS

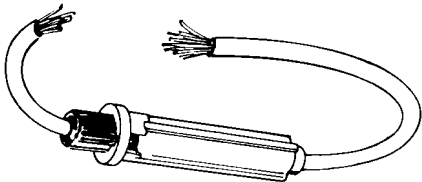
NYLON BUTT CONNECTORS COVERED WITH CLEAR SEALANT SHRINK TUBING

FUSE HOLDERS

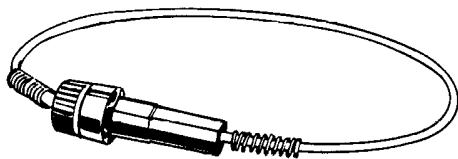
GLASS FUSE HOLDERS



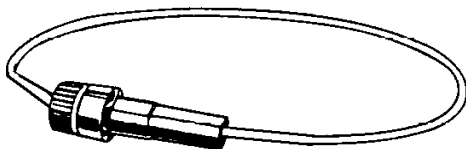
- FH TL H00 0 14 GA. 8" LOOP, USE UP TO 20 AMP FUSE
- FH TL H20 0 14 GA 8" LOOP 20 AMP FUSE SUPPLIED



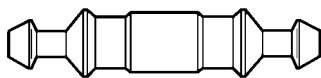
- FH NF H20 0 14 GA 8" LOOP 20 AMP FUSE
- FH NF H30 0 14 GA 8" LOOP 30 AMP FUSE
- FH TL H30 0 12 GA. 4" LEADS 30 AMP FUSE



- FH PH F44 4 14 GA. 15" LOOP, WITH THREE SPRINGS CAN USE SFE, AGA, AGC, AGW, AND AGX

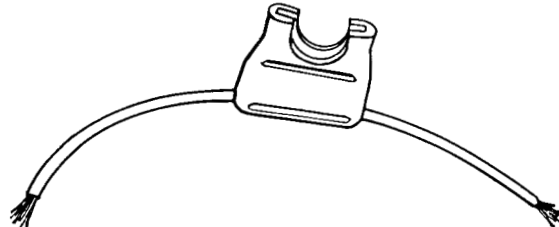


- FH PF H20 0 14 GA. 15" LOOP 20 AMP FUSE

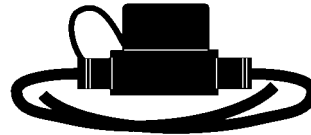


- FH HH B00 0 CRIMP ON FUSE HOLDER CAN USE UP TO 30 AMP FUSE

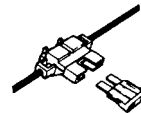
ATO FUSE HOLDERS



- FH 1F HAT 0 16 GA. 4" LEADS, USE UP TO A 20 AMP FUSE
- FH 1F HAT 4 12 GA. 4" LEADS, USE UP TO A 30 AMP FUSE



- FH FH AC2 0 12 GA. 4" LEADS, USE UP TO A 30 AMP FUSE



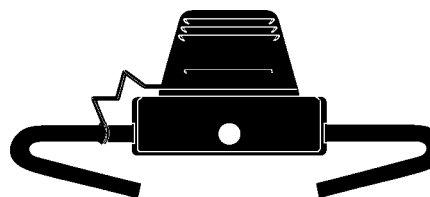
- 60 AF LOT 0 SELF-STRIPPING FUSE HOLDER

MINI FUSE HOLDERS



- FH FH M20 0 12 GA. 4" LEADS, USE UP TO A 30 AMP FUSE

MAXI-FUSE HOLDER



- FH MA H10 0 6 GA. 6" LEADS, USE UP TO A 60 AMP MAXI-FUSE

FUSES



AGA
SFE 4
(1/4"X5/8")

PART NUMBER	AMPS
	1
FU AG A01 0	1 1/2
FU AG A01 5	2
FU AG A02 0	2 1/2
FU AG A02 5	3
FU AG A03 0	5
FU AG A05 0	6
FU AG A06 0	7 1/2
FU AG A07 5	10
FU AG A10 0	15
FU AG A15 0	20
FU AG A20 0	25
FU AG A25 0	30
FU AG A30 0	



SFE 6
(1/4"X3/4")



SFE 14
(1/4"X1 1/16")

PART NUMBER	AMPS
FU SF E04 0	4
FU SF E06 0	6
FU SF E07 5	7 1/2
FU SF E09 0	9
FU SF E14 0	14
FU SF E20 0	20
FU SF E30 0	30



AGC
SFE 20
(1/4"X1 1/4")

PART NUMBER	AMPS
	1/4
FU AG C00 2	1/2
FU AG C00 5	3/4
FU AG C00 7	1
FU AG C01 0	1 1/2
FU AG C01 5	2
FU AG C02 0	2 1/2
FU AG C02 5	3
FU AG C03 0	5
FU AG C05 0	6
FU AG C06 0	7 1/2
FU AG C07 5	8
FU AG C08 0	10
FU AG C10 0	15
FU AG C15 0	20
FU AG C20 0	25
FU AG C25 0	30
FU AG C30 0	35
FU AG C35 0	



AGY
SFE 30
(1/4"X1 7/16")



AGX
(1/4"X1")

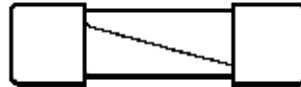
PART NUMBER	AMPS
FU AG X02 0	2
FU AG X03 0	3
FU AG X20 0	20
FU AG X25 0	25
FU AG X30 0	30

FUSES



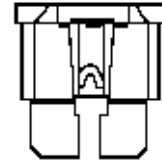
AGW
SFE 7 1/2, SFE 9
(1/4" X 7/8")

<u>PART NUMBER</u>	<u>AMP</u>
FU AG W01 0	1
FU AG W01 5	1 1/2
FU AG W02 5	2 1/2
FU AG W03 0	3
FU AG W04 0	4
FU AG W05 0	5
FU AG W06 0	6
FU AG W15 0	15
FU AG W20 0	20
FU AG W30 0	30



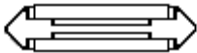
AGU
(13/32" X 1 1/2")

<u>PART NUMBER</u>	<u>AMP</u>
FU AG U01 0	1
FU AG U02 0	2
FU AG U03 0	3
FU AG U04 0	4
FU AG U05 0	5
FU AG U10 0	10
FU AG U15 0	15
FU AG U20 0	20
FU AG U25 0	25
FU AG U30 0	30
FU AG U35 0	35
FU AG U40 0	40
FU AG U50 0	50
FU AG U60 0	60



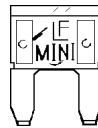
ATO FUSE

<u>PART NUMBER</u>	<u>AMP</u>	<u>COLOR</u>
FU AT 003 0	3	VIOLET
FU AT 004 0	4	PINK
FU AT 005 0	5	TAN
FU AT 007 5	7 1/2	BROWN
FU AT 010 0	10	RED
FU AT 015 0	15	BLUE
FU AT 020 0	20	YELLOW
FU AT 025 0	25	CLEAR
FU AT 030 0	30	GREEN



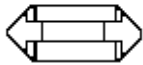
GBC
(25MMX6MM)

<u>PART NUMBER</u>	<u>AMP</u>
FU GB C05 0	5
FU GB C08 0	8
FU GB C16 0	16
FU GB C25 0	25



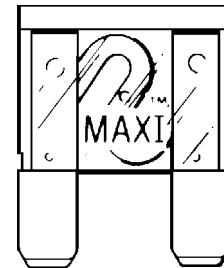
MINI FUSE

<u>PART NUMBER</u>	<u>AMP</u>	<u>COLOR</u>
FU AT M02 0	2	GRAY
FU AT M03 0	3	VIOLET
FU AT M04 0	4	PINK
FU AT M05 0	5	TAN
FU AT M07 5	7 1/2	BROWN
FU AT M10 0	10	RED
FU AT M15 0	15	BLUE
FU AT M20 0	20	YELLOW
FU AT M25 0	25	CLEAR
FU AT M30 0	30	GREEN



GBF 25
(17MM X 7MM)

<u>PART NUMBER</u>	<u>AMP</u>
FU GB F25 0	25



MAXI FUSE

<u>PART NUMBER</u>	<u>AMP</u>	<u>COLOR</u>
FU MA X20 0	20	YELLOW
FU MA X30 0	30	GREEN
FU MA X40 0	40	ORANGE
FU MA X50 0	50	RED
FU MA X60 0	60	BLUE

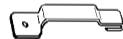
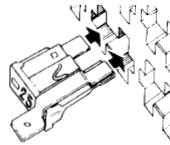
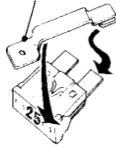
FUSE TAPPERS

GLASS FUSE TAPPERS



60 AF BOD 0 60 AF B0B 0

ATO FUSE TAPPERS



60 AF B0E 0

MINI FUSE TAPPERS

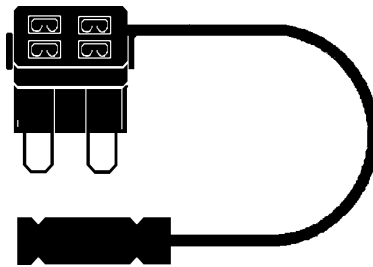
60 AF B0E S



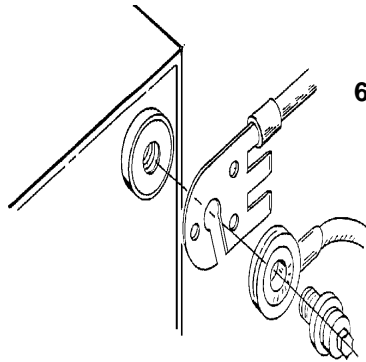
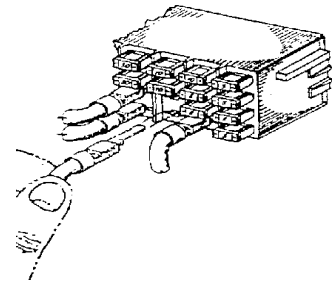
60 AF B0E M



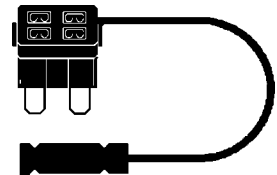
60 AF B0C 0



FH FH A20 0

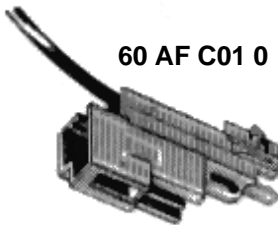


60 AF BAT 2



FH FH MC2 0

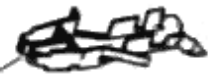
GM FUSE BLOCK



60 AF C01 0



60 AF T0M 0



60 AF B0F 0



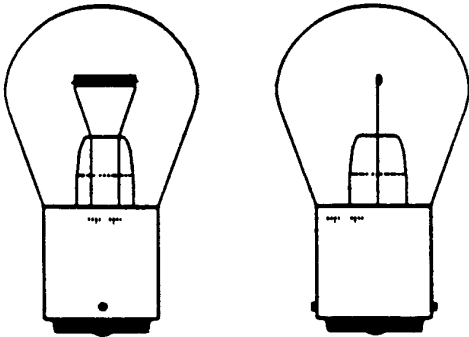
60 AF C0Y 0

(CLEAR) TO TAP CURRENT CONTROLLED BY
IGNITION SWITCH- RADIOS, CB'S ETC.

(BLACK) TO TAP CURRENT FROM BATTERY.
ALWAYS ON-CLOCKS, BURGULAR ALARMS, ETC.

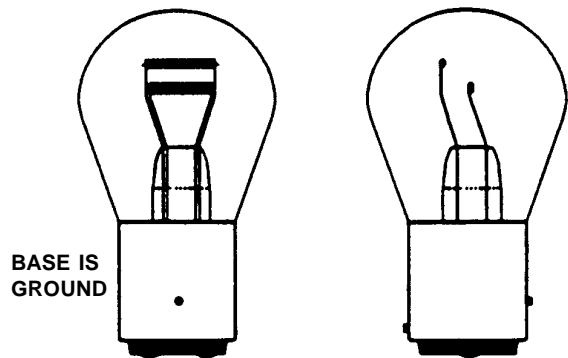
BULBS

S8 SINGLE CONTACT BAYONET



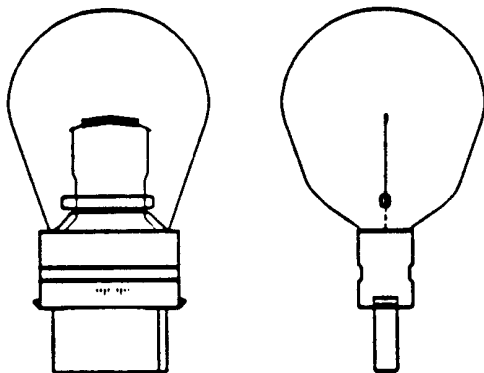
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 16 800 0	1680	6.0	4.10	32.0
LL 11 290 0	1129	6.4	2.63	21.0
LL 16 190 0	1619	6.7	1.9	15.0
LL 19 900 0	199	12.8	2.25	32.0
LL 10 730 0	1073	12.8	1.8	32.0
LL 11 410 0	1141	12.8	1.44	21.0
LL 11 560 0	1156	12.8	2.1	32.0
LL 16 650 0	1656	28.0	.80	21.0

S8 DOUBLE CONTACT BAYONET



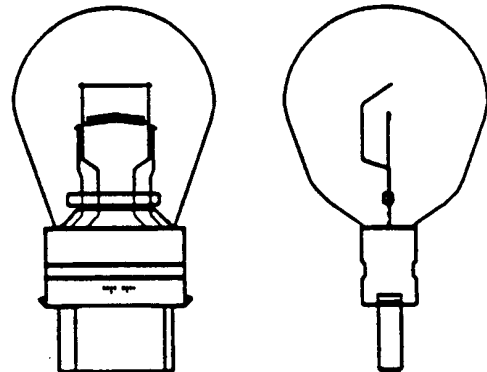
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 11 540 0	1154	6.4	2.63	12.0
		7.0	0.75	3.0
LL 19 800 0	198	12.8	2.25	32.0
		14.0	0.68	3.0
LL 10 340 0	1034	12.8	1.80	32.0
		14.0	0.59	3.0
LL 11 570 0	1157	12.8	2.10	32.0
		14.0	0.59	2.25
LL 20 570 0	2057	12.8	2.10	32.0
		14.0	0.48	2.0

S8 SINGLE CONTACT WEDGE BASE



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 31 550 0	3155	12.8	1.6	21.0
LL 31 560 0	3156	12.8	2.1	32.0

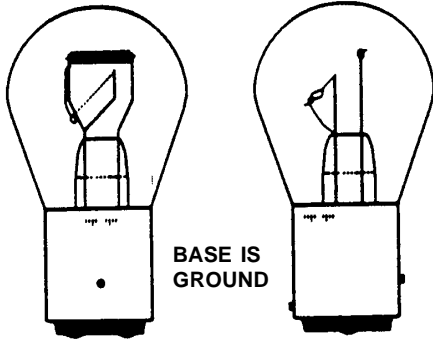
S8 DOUBLE CONTACT WEDGE BASE



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 30 570 0	3057	12.8	2.10	32.0
		14.0	.48	2
LL 31 570 0	3157	12.4	2.10	32.0
		14.0	.59	3.0

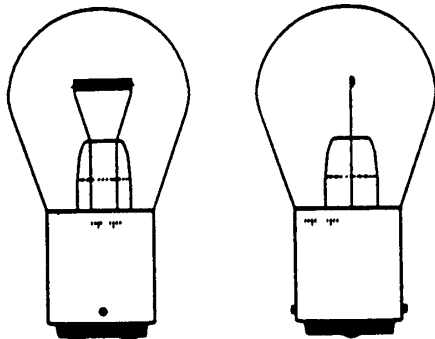
BULBS

S8 DOUBLE CONTACT INDEX



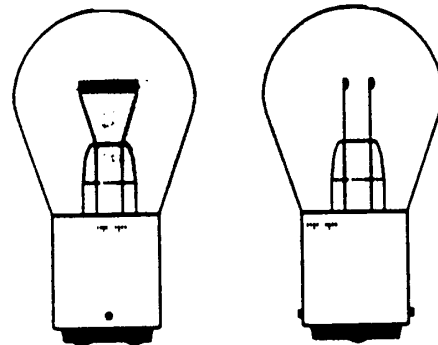
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 16 620 0	1662	28.0	.93	32.00
		28.0	.34	6.00

S8 DOUBLE CONTACT BAYONET



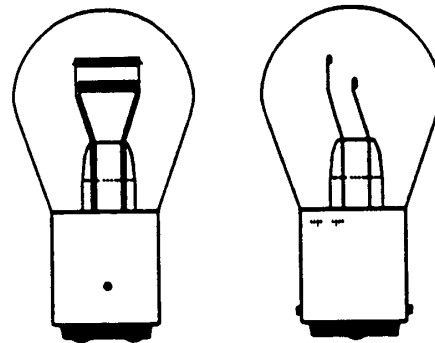
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 88 000 0	88	6.8	1.91	15.0
LL 94 000 0	94	12.8	1.04	15.0
LL 10 760 0	1076	12.8	1.8	32.0
LL 11 520 0	1152	12.8	1.34	21.0

S8 DOUBLE CONTACT INDEX



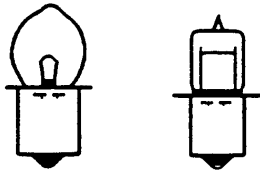
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 16 380 0	1638	28.0	1.02	32.0

S8 DOUBLE CONTACT BAYONET



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 11 760 0	1176	12.80	1.34	21.0
		14.00	.59	6.0

FLASHLIGHT BULBS



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESCRIPTION</u>
LL PR 200 0	PR2	2 D-CELL FLASHLIGHT
LL PR 300 0	PR3	3 D-CELL FLASHLIGHT
LL PR 600 0	PR6	2 D-CELL INDUSTRIAL
LL PR 120 0	PR12	5 D-CELL INDUSTRIAL



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESCRIPTION</u>
LL 13 100 0	131	1 D-CELL FLASHLIGHT
LL 13 000 0	13	3 D-CELL FLASHLIGHT
LL 13 400 0	134	INDICATOR BULB
LL 14 470 0	1447	TOY

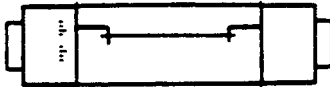
BULBS

T3 DOUBLE WEDGE



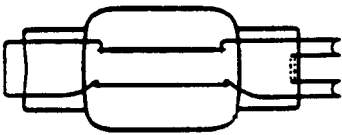
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 56 100 0	561	12.8	.97	12.0

T3 DOUBLE END CAP



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 21 120 0	211-2	12.8	.97	12.0

T3 DOUBLE CONTACT, DOUBLE WEDGE



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 57 100 0	571	12.80	2.10	32.0
		14.00	.59	3.0

T1 3/4 SINGLE CONTACT MIDGET FLANGED



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 32 700 0	327	28.0	0.4	.34

T1 3/4 WEDGE BASE



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 37 000 0	37	14.0	.09	.50
LL 73 000 0	73	14.0	.08	.30
LL 74 000 0	74	14.0	.10	.70

T3 1/4 WEDGE BASE



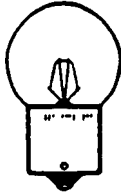
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 16 800 0	168	14.0	.35	3.0
LL 19 300 0	193	14.0	.33	2.0
LL 19 400 0	194	14.0	.27	2.0
LL 65 800 0	658	14.0	.08	.31

G3 1/2 MINIATURE BAYONET



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 51 000 0	51	7.50	.22	1.0
LL 53 000 0	53	14.4	.12	1.0
LL 14 450 0	1445	14.4	.18	.70

G4 1/2 MINIATURE BAYONET



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 57 000 0	57	14.0	.24	2.0
LL 18 950 0	1895	14.0	.27	2.0
LL 45 600 0	456	28.0	.17	2.0

T3-1/4 MINIATURE BAYONET



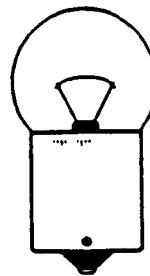
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 49 000 0	49	2.0	.06	.04
LL 43 000 0	43	2.5	.50	.50
LL 47 000 0	47	6.3	.15	.52
LL 18 470 0	1847	6.3	.15	.38
LL 18 160 0	1816	14.0	.17	3.3
LL 18 150 0	1815	14.0	.20	1.4
LL 18 890 0	1889	14.0	.27	2.0
LL 18 910 0	1891	14.0	.24	2.1
LL 18 930 0	1893	14.0	.33	2.0
LL 18 130 0	1813	14.4	.10	.86
LL 18 180 0	1818	24.0	.17	3.3
LL 18 200 0	1820	28.0	.10	1.6
LL 18 290 0	1829	28.0	.07	1.0
LL 18 430 0	1843	28.0	.022	.20

T5 WEDGE BASE

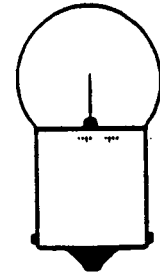


<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 91 700 0	917	12.0	1.2	10.0
LL 91 200 0	912	12.8	1.0	12.0
LL 92 100 0	921	12.8	1.4	21.0
LL 90 600 0	906	13.0	.69	3.0
LL 90 400 0	904	13.5	.69	4.0
LL 91 600 0	916	13.5	.54	2.0

G6 SINGLE CONTACT BAYONET



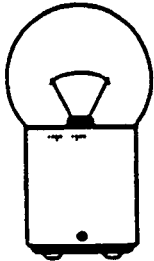
BASE IS GROUND



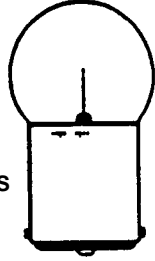
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 63 000 0	63	7.0	.63	3.0
LL 89 000 0	89	13.0	.58	6.0
LL 67 000 0	67	13.5	.59	4.0
LL 97 000 0	97	13.5	.69	4.0
LL 11 550 0	1155	13.5	.59	4.0

BULBS

G6 DOUBLE CONTACT BAYONET

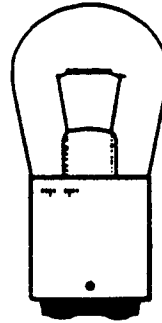


CONTACT IS
GROUND

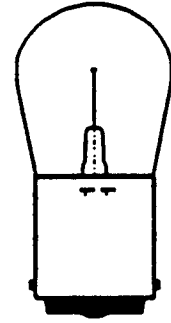


<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 64 000 0	64	7.0	.63	3.0
LL 90 000 0	90	13.0	.58	6.0
LL 68 000 0	68	13.5	.59	4.0
LL 96 000 0	96	13.5	.69	4.0
LL 11 780 0	1178	13.5	.69	4.0

B6 DOUBLE CONTACT MINI BAYONET

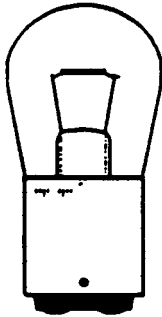


BASE IS
GROUND

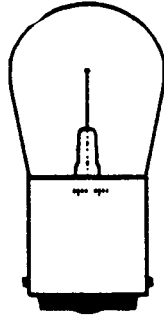


<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL10 040 0	1004	12.8	.94	15.0

B6 SINGLE CONTACT MINI BAYONET

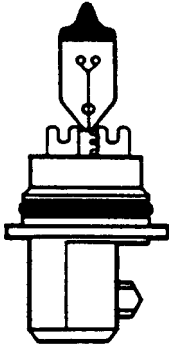


BASE IS
GROUND

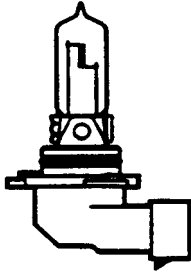


<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESIGN VOLTS</u>	<u>DESIGN AMPS</u>	<u>CANDLE POWER</u>
LL 10 500 0	105	12.8	1.00	12.0
LL 10 030 0	1003	12.8	.94	15.0

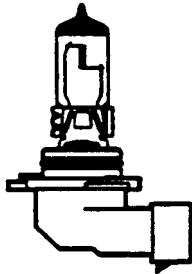
HEADLIGHTS



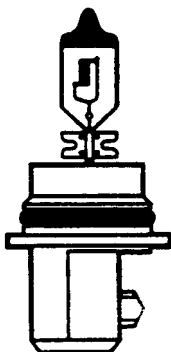
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESCRIPTION</u>	<u>DESIGN VOLTS</u>	<u>CANDLE POWER</u>
LS 90 040 0	9004	LOW/HIGH	12.8	95/96



<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESCRIPTION</u>	<u>DESIGN VOLTS</u>	<u>CANDLE POWER</u>
LS 90 050 0	9005	HIGH BEAM	12.8	136



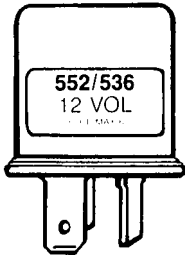
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESCRIPTION</u>	<u>DESIGN VOLTS</u>	<u>CANDLE POWER</u>
LS 90 060 0	9006	LOW BEAM	12.8	55



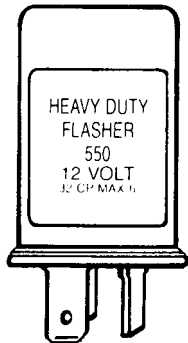
<u>PART NUMBER</u>	<u>CROSS</u>	<u>DESCRIPTION</u>	<u>DESIGN VOLTS</u>	<u>CANDLE POWER</u>
LS 90 070 0	9007	LOW/HIGH	12.8	65/45

FLASHERS

MECHANICAL



FS 55 200 0 2-PRONG
FS 53 700 0 3-PRONG

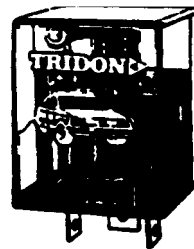


FS 15 500 0 3-PRONG

ELECTRONIC

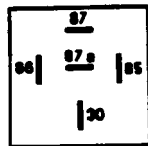
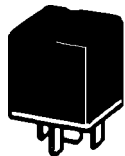


FS EL 120 0 2-PRONG
FS EL 130 0 3-PRONG



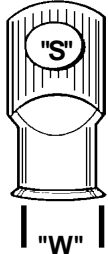
FS EL 13A 0 3-PRONG
ALTERNATING
FLASHER

RELAYS



RS 12 900 0 12 VOLT 20/30 AMP SPDT
RELAY

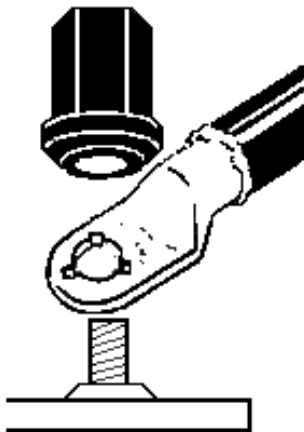
BATTERY CABLE LUGS



<u>PART NUMBER</u>	<u>WIRE SIZE</u>	<u>STUD SIZE</u>	<u>PART NUMBER</u>	<u>WIRE SIZE</u>	<u>STUD SIZE</u>
BL 06 140 0	6 GA.	1/4	BL 10 140 0	1/0 GA.	1/4
BL 06 560 0	6 GA.	5/16	BL 10 560 0	1/0 GA.	5/16
BL 06 380 0	6 GA.	3/8	BL 10 380 0	1/0 GA.	3/8
BL 06 120 0	6 GA.	1/2	BL 10 120 0	1/0 GA.	1/2
BL 04 100 0	4 GA.	#10	BL 20 140 0	2/0 GA.	1/4
BL 04 140 0	4 GA.	1/4	BL 20 560 0	2/0 GA.	5/16
BL 04 560 0	4 GA.	5/16	BL 20 380 0	2/0 GA.	3/8
BL 04 380 0	4 GA.	3/8	BL 20 120 0	2/0 GA.	1/2
BL 04 120 0	4 GA.	1/2			
BL 02 140 0	2 GA.	1/4	BL 30 380 0	3/0 GA.	3/8
BL 02 560 0	2 GA.	5/16	BL 30 120 0	3/0 GA.	1/2
BL 02 380 0	2 GA.	3/8	BL 40 380 0	4/0 GA.	3/8
BL 02 120 0	2 GA.	1/2	BL 40 120 0	4/0 GA.	1/2
BL 01 140 0	1 GA.	1/4			
BL 01 560 0	1 GA.	5/16			
BL 01 380 0	1 GA.	3/8			
BL 01 120 0	1 GA.	1/2			

H-HEAVY DUTY
P-PLATED

H-HEAVY DUTY
P-PLATED



STUD TYPE BATTERY TERMINAL

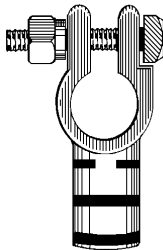
LUG FOR 2/0 CABLE

BT 2X STD U

NUTS

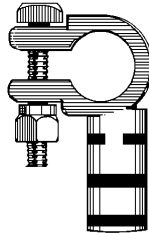
BT 2X STN P POSITIVE (RED)
BT 2X STN N NEGATIVE (BLACK)
BT 2X STN U STAINLESS STEEL

CRIMP TYPE



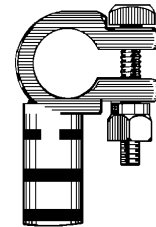
STRAIGHT TYPE

- | | | |
|-------|-------------|-----------|
| 6 GA. | BT 06 CSC U | UNIVERSAL |
| 4 GA. | BT 04 CSC U | UNIVERSAL |
| | BT 04 CSC P | POSITIVE |
| | BT 04 CSC N | NEGATIVE |
| 2 GA. | BT 02 CSC U | UNIVERSAL |
| | BT 02 CSC P | POSITIVE |
| | BT 02 CSC N | NEGATIVE |
| 1 GA. | BT 01 CSC U | UNIVERSAL |
| | BT 01 CSC P | POSITIVE |
| | BT 01 CSC N | NEGATIVE |
| 1/0 | BT 1X CSC P | POSITIVE |
| | BT 1X CSC N | NEGATIVE |
| 2/0 | BT 2X CSC P | POSITIVE |
| | BT 2X CSC N | NEGATIVE |
| 3/0 | BT 3X CSC P | POSITIVE |
| | BT 3X CSC N | NEGATIVE |
| 4/0 | BT 4X CSC P | POSITIVE |
| | BT 4X CSC N | NEGATIVE |



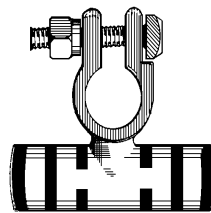
LEFT

- | | |
|-----|-------------|
| 1/0 | BT 1X CLC P |
| | BT 1X CLC N |
| 2/0 | BT 2X CLC P |
| | BT 2X CLC N |
| 3/0 | BT 3X CLC P |
| | BT 3X CLC N |
| 4/0 | BT 4X CLC P |
| | BT 4X CLC N |



RIGHT

- | | |
|-----|-------------|
| 1/0 | BT 1X CRC P |
| | BT 1X CRC N |
| 2/0 | BT 2X CRC P |
| | BT 2X CRC N |
| 3/0 | BT 3X CRC P |
| | BT 3X CRC N |
| 4/0 | BT 4X CRC P |
| | BT 4X CRC N |



FLAG TYPE

- | | |
|-----|-------------|
| 1/0 | BT 1X CFC P |
| | BT 1X CFC N |
| 2/0 | BT 2X CFC P |
| | BT 2X CFC N |
| 3/0 | BT 3X CFC P |
| | BT 3X CFC N |
| 4/0 | BT 4X CFC P |
| | BT 4X CFC N |



6 GA. & 4 GA.

BT 04 BSB U

1 GA. & 2 GA.

BT 01 BSB U

1/0

BT 1X BSB U



2 GA. & 1 GA.

BT 01 BFB U

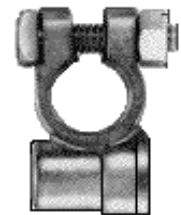
2/0 & 3/0

BT 2X BSB P
BT 2X BSB N



2/0 & 3/0

BT 2X BSB P
BT 2X BSB N



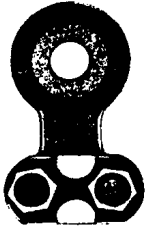
1 GA. & 1/0

BT 1X BEB U

SOLDER TYPE

ALL BATTERY TERMINALS ARE ADVAIABLE WITH SEALANT TYPE SHRINK TUBING

SIDE MOUNT



BT UM SUL 0



BT UM S9M 0



BT UM SPL 0

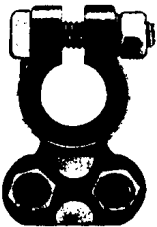


BT UM S8M 0

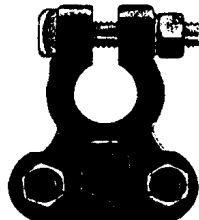


BT UM SSL P (POS.)
BT UM SSL N (NEG.)

EMERGENCY



4 GA. TO 2/0
BT UM E5L U

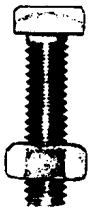


1 GA. TO 4/0
BT UM E6L U

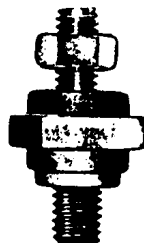


BT UM MSL P (POSITIVE)
BT UM MSL N (NEGATIVE)
BT UM MSL U (UNIVERSAL)

ADAPTERS



BT UM N00 0 NUT
BT UM B00 0 BOLT
BT UM T00 0 NUT & BOLT



BT UM AMB 0



BT UM A3L U



BT UM ATL P (POS.)
BT UM ATL N (NEG.)

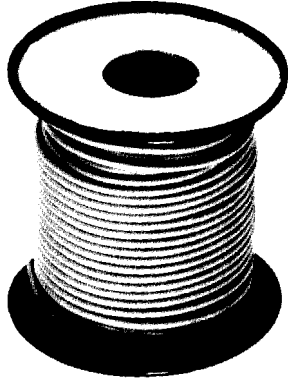
Alpine Supply

We have Connections!

Alpine Supply

We have Connections!

WIRE



PRIMARY WIRE

18 GA. 7P 18 1BK C

16 GA. 7P 16 1BK C

14 GA. 7P 14 1BK C

12GA. 7P 12 1BK C

10 GA. 7P 10 1BK C

COLOR CODE

BK=BLACK
RD=RED
BL=BLUE
GR=GREEN
LG=LIGHT GREEN
WH=WHITE
YE=YELLOW
BR=BROWN
OR=ORANGE
GY=GREY
PU=PURPLE

CROSS LINK WIRE



PART NUMBER

18 GA. 7C 18 1BK C

16 GA. 7C 16 1BK C

14 GA. 7C 14 1BK C

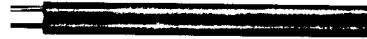
12GA. 7C 12 1BK C

10 GA. 7C 10 1BK C

WIRE LAST LETTER CODE

C=100 FT.
D=500 FT.
M=1000 FT.
W=2500 FT.
V=5000 FT.
Y=7000 FT.
X=10,000 FT.

SPEAKER WIRE



PART NUMBER

22 GA. 7K 22 2CC M

20 GA. 2K 20 2CC M

18 GA. 7K 18 2CC M

16GA. 7K 16 2CC M

14 GA. 7K 14 2CC M

ALSO ADVAIABLE

SJT SO AIRCRAFT WIRE
STO AWD MTW-AWM
SJTO S TFF
SJO SJ TFFN
(ETC.)

WIRE

PARALLEL WIRE



18/2	7L 18 200 C
18/3	7L 18 300 C
18/4	7L 18 400 C
16/2	7L 16 200 C
16/3	7L 16 300 C
16/4	7L 16 400 C
14/2	7L 14 200 C
14/3	7L 14 300 C
14/4	7L 14 400 C
12/2	7L 12 200 C
12/3	7L 12 300 C
12/4	7L 12 400 C
10/2	7L 10 200 C

BRAKE CABLE



18/2	7B 18 200 C
18/3	7B 18 300 C
18/4	7B 18 400 C
16/2	7B 16 200 C
16/3	7B 16 300 C
16/4	7B 16 400 C
14/2	7B 14 200 C
14/3	7B 14 300 C
14/4	7B 14 400 C
12/2	7B 12 200 C
12/3	7B 12 300 C
12/4	7B 12 400 C
10/2	7B 10 200 C

TRAILER CABLE

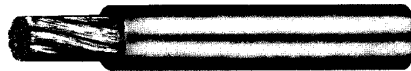


4 COND. 16 GA. 7T 16 4BK C
 6 COND. 16 GA. 7T 16 6BK C
 4 COND. 14 GA. 7T 14 4BK C
 6 COND. 14 GA. 7T 14 6BK C
 7 COND. 14 GA. 7T 14 7BK C

7 COND. 1-10GA. 6-12GA.
 7 COND. 1-8GA. 2-10GA. 4-12GA.
 (FOR ABS BRAKES)

7T A1 7BK C
 7T A2 7GR C

STARTER CABLE (BATTERY CABLE)



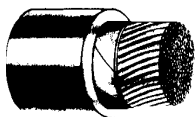
8 GA. 7S 08 1BK C
 6 GA. 7S 06 1BK C
 4 GA. 7S 04 1BK C
 2 GA. 7S 02 1BK C
 1 GA. 7S 01 1BK C

1/0 GA. 7S 10 1BK C
 2/0 GA. 7S 20 1BK C
 3/0 GA. 7S 30 1BK C
 4/0 GA. 7S 40 1BK C

BK=BLACK
 RD=RED

CABLE LAST LETTER CODE

T=25 FT.
 L=50 FT.
 C=100 FT.



WELDING CABLE



INSTRUMENTATION CABLE



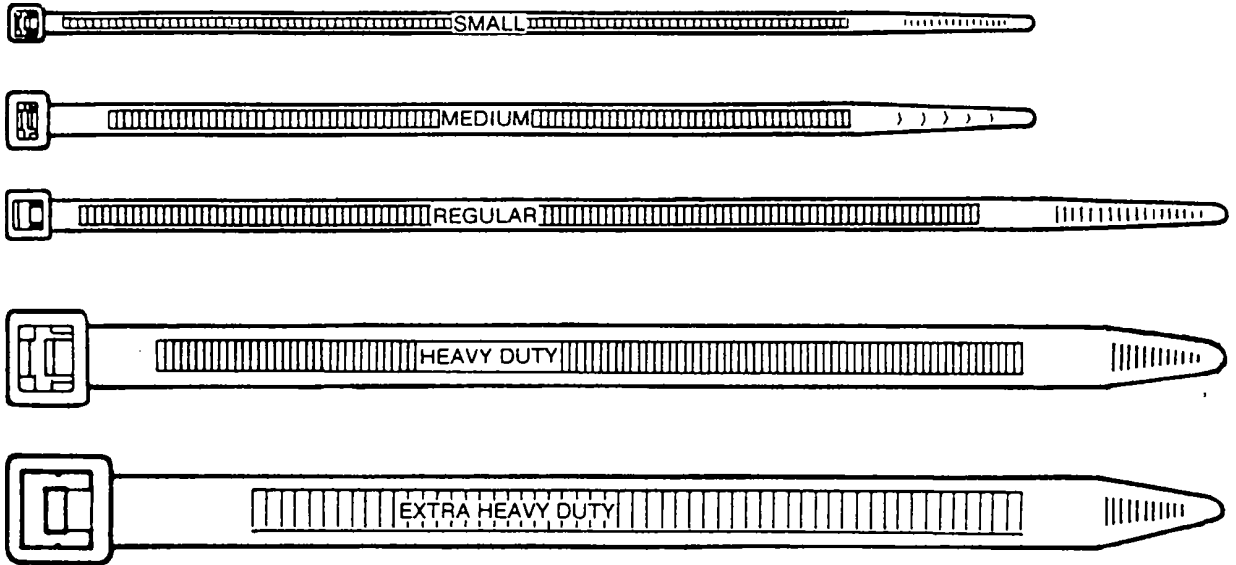
COMMUNICATION CABLE

SHIELDED CABLE
 CONTROL CABLE

Alpine Supply

We have Connections!

CABLE TIES

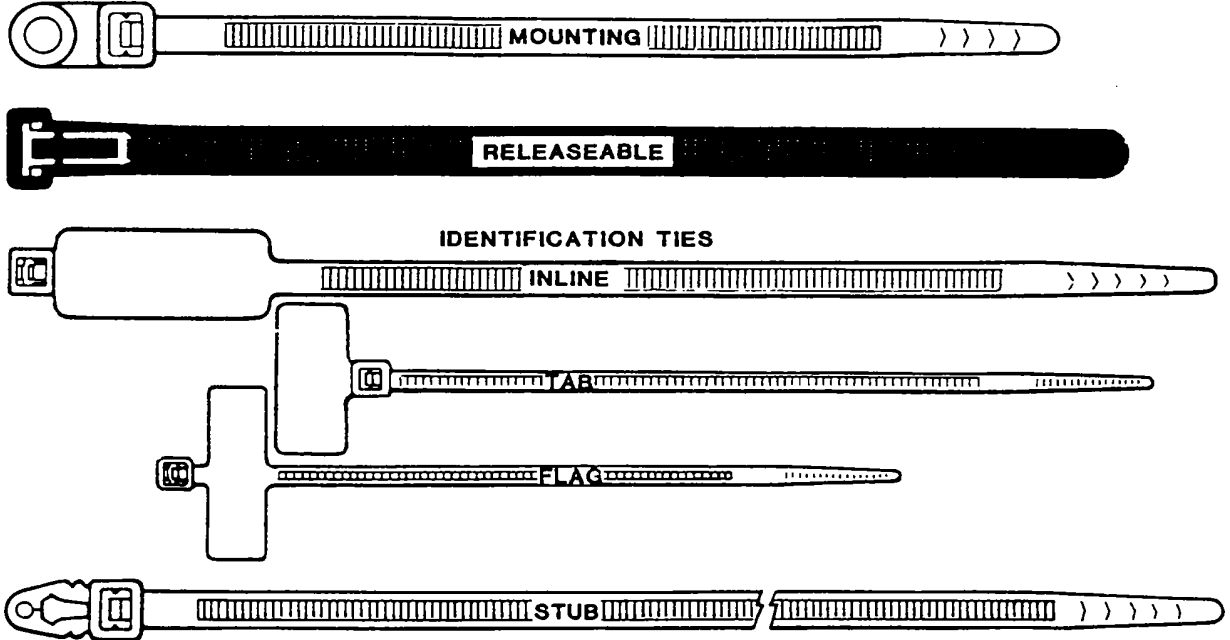


TYPE OF TIE	PART NUMBER	APPROXIMATE LENGTH	APPROXIMATE WIDTH	MAXIUM BUNDLE DIAMETER	TENSILE STRENGTH
SMALL	CT TS S30 N	3 3/8	.10	5/8	18 LBS
	CT AS S40 N	4	.10	3/4	18 LBS
	CT GS S53 N	5 3/4	.10	1 1/4	18 LBS
	CT GS S73 N	7 3/4	.10	2	18 LBS
MEDIUM	CT GS M50 N	5	.115	1	30 LBS
	CT GS M80 N	8	.115	2	40 LBS
REGULAR	CT GS R60 N	6	.135	1 1/4	30 LBS
	CT AS R80 N	8	.18	1 3/4	50 LBS
	CT AS R12 N	12	.18	3	50 LBS
	CT AS R15 N	15	.18	4	50 LBS
HEAVY DUTY	CT GS H80 N	8	.30	2	120 LBS
	CT AS H15 N	15	.30	4	120 LBS
EXTRA HEAVY DUTY	CT AS X17 N	17 1/2	.31	5	120 LBS
	CT AS X21 N	21 1/2	.31	6	175 LBS
	CT AS X28 N	28	.31	8	175 LBS
	CT GS X32 N	32	.35	9	175 LBS
	CT TS X42 N	42	.35	12	175 LBS

OTHER COLORS AVAILABLE:
RED, YELLOW, BLUE, ORANGE,
GREEN, BROWN

N= NATURAL
B= BLACK

CABLE TIES



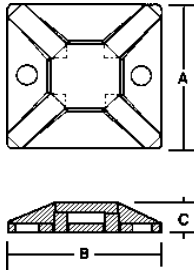
TYPE OF TIE	PART NUMBER	APPROXIMATE LENGTH	APPROXIMATE WIDTH	MAXIUM BUNDLE DIAMETER	TENSILE STRENGTH
MOUNTING TIES	CT GM S45 N	4 1/4	.10	3/4	18 LBS
	CT GM R65 N	6 1/4	.14	1 1/4	30 LBS
	CT GM R85 N	8 1/2	.18	1 3/4	50 LBS
	CT GM R15 N	16	.18	4	50 LBS
	CT GM H15 N	16 1/4	.30	4	120 LBS
RELEASEABLE TIES	CT TR R85 N	8 1/2	.16	2	40 LBS
	CT TR H55 N	6 1/2	.18	1 3/8	50 LBS
	CT TR H93 N	15 1/2	.18	4	50 LBS
IDENTIFICATION TIES	CT G1 R80 N	8	.18	1 3/4	50 LBS
	CT TT S40 N	4 1/4	.10	3/4	18 LBS
	CT TF S40 N	4	.10	3/4	18 LBS
PUSH MOUNT TIES "STUB"	CT GP R60 N	6 1/2	.14	1 1/4	30 LBS
	CT GP R80 N	8 1/2	.18	1 3/4	50 LBS

OTHER COLORS AVAILABLE:
RED, YELLOW, BLUE, ORANGE,
GREEN, BROWN

N= NATURAL
B= BLACK

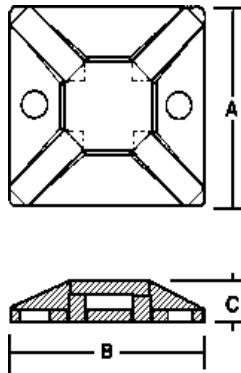
4-WAY

3/4" SQ.



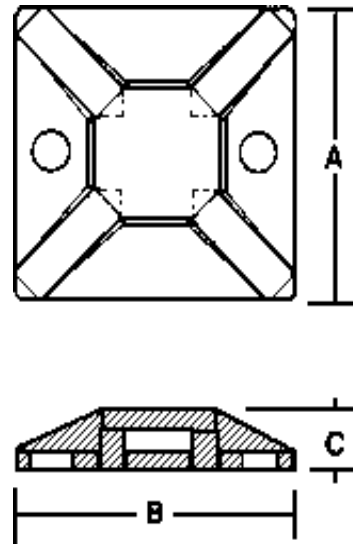
CX A4 B34 N NATURAL
CX A4 B34 B BLACK

1 1/8" SQ.



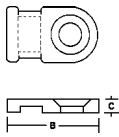
CX A4 B18 N NATURAL
CX A4 B18 B BLACK

1 1/2" SQ.

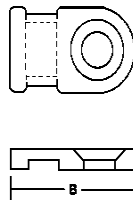


CX A4 B15 W NATURAL
CX A4 B15 B BLACK

LOW PROFILE MOUNT

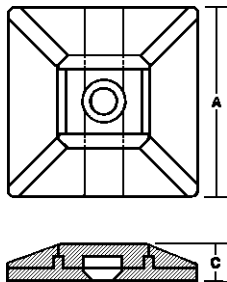


CX LP M01 N



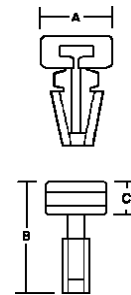
CX LP M02 N

2-WAY



CX A2 B18 N NATURAL

PUSH MOUNT

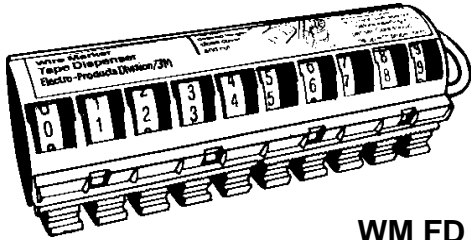


CX PM T14 N

Alpine Supply

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WIRE MARKERS



WM FD 900 0 DISPENSER WITH MARKERS 0 THRU 9
WM D0 000 0 DISPENSER ONLY



WM R0 000 0 SER 0 REFILL
WM R1 000 0 SER 1 REFILL
WM R2 000 0 SER 2 REFILL
WM R3 000 0 SER 3 REFILL
WM R4 000 0 SER 4 REFILL
WM R5 000 0 SER 5 REFILL
WM R6 000 0 SER 6 REFILL
WM R7 000 0 SER 7 REFILL
WM R8 000 0 SER 8 REFILL
WM R9 000 0 SER 9 REFILL

Tyton HANDI-PAK

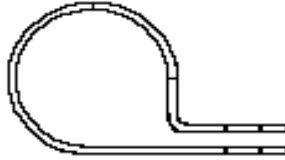
PRESSURE SENSITIVE
WIRE MARKERS

TYTON PRODUCTS:
• HEAT SHRINKABLE TUBING
• SNAPPER HOSE CLAMPS
• INSTALLATION TOOLS
• WIRE MARKERS
• CABLE CLAMPS
• SPIRAL WRAP
• CABLE TIES
• GROMMETS

WM HO 145 0 10 MARKERS EACH 1-45
WM HO700 0 150 MARKERS L1, L2, L3
WMHO 900 0 45 MARKERS #0-9
WM H1 203 0 150 MARKERS 1, 2, 3
WM HA BCO 0 150 MARKERS A, B, C
WM HA NPN 0 10 MARKERS EACH A-Z, 1-15, +, -, /
WM HA Z10 0 15 MARKERS EACH A-Z
21 MARKERS BLANK
8 MARKERS +
7 MARKERS -
WM HE LEC 0 45 MARKERS EACH +, -, AC, DC
33 MARKERS EACH POS, NEG, GND
27 MARKERS NEUT
21 MARKERS EACH SPARE & BLANK
WM HT TTO 0 150 MARKERS EACH T1, T2, T3

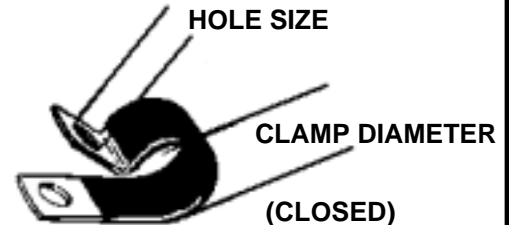
WE ALSO DO CUSTOM STAMPING ON HEAT SHRINK

CLAMPS



NYLON CABLE CLAMPS

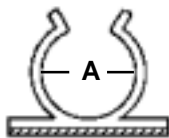
<u>DIAMETER</u>	<u>NATURAL</u>	<u>BLACK</u>
1/8"	CL N0 018 N	CL N0 018 B
3/16"	CL N0 316 N	CL N0 316 B
1/4"	CL N0 014 N	CL N0 014 B
5/16"	CL N0 516 N	CL N0 516 B
3/8"	CL N0 038 N	CL N0 038 B
7/16"	CL N0 716 N	CL N0 716 B
1/2"	CL N0 012 N	CL N0 012 B
9/16"	CL N0 916 N	CL N0 916 B
5/8"	CL N0 058 N	CL N0 058 B
3/4"	CL N0 034 N	CL N0 034 B
7/8"	CL N0 078 N	CL N0 078 B
1"	CL N0 100 N	CL N0 100 B
1 1/4"	CL N0 114 N	CL N0 114 B
1 1/2"	CL N0 112 N	CL N0 112 B



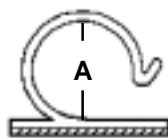
VINYL CUSHIONED METAL CLAMPS

<u>DIAMETER</u>	<u>1/4" HOLE</u>	<u>3/8" HOLE</u>
1/8"	CL C4 018 B	CL C8 018 B
1/4"	CL C4 014 B	CL C8 014 B
5/16"	CL C4 516 B	CL C8 516 B
3/8"	CL C4 038 B	CL C8 038 B
1/2"	CL C4 012 B	CL C8 012 B
5/8"	CL C4 058 B	CL C8 058 B
3/4"	CL C4 034 B	CL C8 034 B
7/8"	CL C4 078 B	CL C8 078 B
1"	CL C4 100 B	CL C8 100 B
1 1/8"	CL C4 118 B	CL C8 118 B
1 1/4"	CL C4 114 B	CL C8 114 B
1 1/2"	CL C4 112 B	CL C8 112 B
1 3/4"	CL C4 134 B	CL C8 134 B
2"	CL C4 200 B	CL C8 200 B
2 1/4"		CL C8 214 B
2 1/2"		CL C8 250 B
3"		CL C8 300 B

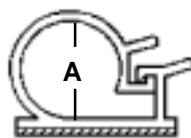
ADHESIVE BACK CLAMPS



U-CLIP



C-CLIP



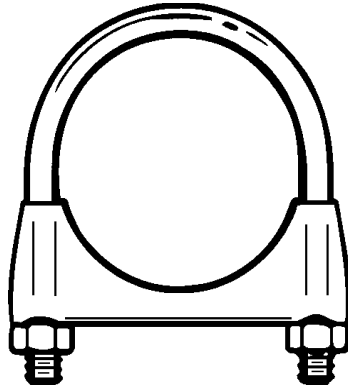
L-CLIP
(LOCKING)

<u>"A"</u> <u>DIAMETER</u>	<u>U-CLIP</u>	<u>C-CLIP</u>	<u>LOCKING CLIP</u>
1/8"	CL AU 018 N	CL AC 018 N	
1/4"	CL AU 014 N	CL AC 014 N	CL AL 014 N
5/16"		CL AC 516 N	
3/8"	CL AU 038 N	CL AC 038 N	CL AL 038 N
1/2"	CL AU 012 N	CL AC 012 N	CL AL 012 N
3/4"	CL AU 034 N	CL AC 034 N	CL AL 034 N

Alpine Supply

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MUFFLER CLAMPS



PIPE SIZE	5/16" U-BOLT UNPLATED	5/16" U-BOLT PLATED	3/8" U-BOLT UNPLATED	3/8" U-BOLT PLATED	STAINLESS STEEL
1 1/8"	CL M5 112 B	CL M5 112 P			CL M5 112 S
1 1/4"	CL M5 125 B	CL M5 125 P			CL M5 125 S
1 1/2"	CL M5 150 B	CL M5 150 P			CL M5 150 S
1 5/8"	CL M5 162 B	CL M5 162 P			CL M5 162 S
1 3/4"	CL M5 175 B	CL M5 175 P	CL M8 175 B		CL M5 175 S
1 7/8"	CL M5 187 B	CL M5 187 P	CL M8 187 B		CL M5 187 S
2"	CL M5 200 B	CL M5 200 P	CL M8 200 B	CL M8 200 P	CL M5 200 S
2 1/8"	CL M5 212 B	CL M5 212 P	CL M8 212 B	CL M8 212 P	CL M5 212 S
2 1/4"	CL M5 225 B	CL M5 225 P	CL M8 225 B	CL M8 225 P	CL M5 225 S
2 1/2"	CL M5 250 B	CL M5 250 P	CL M8 250 B	CL M8 250 P	CL M5 250 S
2 3/4"			CL M8 275 B	CL M8 275 P	
3"			CL M8 300 B	CL M8 300 P	
3 1/2"			CL M8 350 B	CL M8 350 P	
4"			CL M8 400 B	CL M8 400 P	
5"			CL M8 500 B	CL M8 500 P	

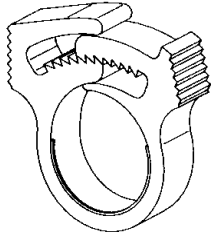
HOSE CLAMPS



BOXED TEN PER BOX

HEX HEAD CARBON STEEL SCREW CATALOG NUMBER	HEX HEAD STAINLESS STEEL SCREW CATALOG NUMBER	HEX HEAD MARINE STAINLESS STEEL SCREW CATALOG NUMBER	EFFECTIVE RANGE OF CLAMP			
			MIN. DIA INCHES	MIN. DIA METRIC	MAX. DIA INCHES	MAX. DIA METRIC
MINI HC CS M00 4	HC SS M00 4	HC MS M00 4	7/32	5.6MM	5/8	16 MM
HC CS M00 6	HC SS M00 6	HC MS M00 6	7/16	11 MM	25/32	20 MM
HC CS M00 8	HC SS M00 8	HC MS M00 8	1/2	13 MM	29/32	24 MM
HC CS M01 2	HC SS M01 2	HC MS M01 2	11/16	17 MM	1 1/4	32 MM
HC CS S00 6	HC SS S00 6	HC MS S00 6	7/16	11 MM	25/32	20 MM
HC CS S00 8	HC SS S00 8	HC MS S00 8	1/2	13 MM	29/32	23 MM
HC CS S01 0	HC SS S01 0	HC MS S01 0	9/16	14 MM	1 1/16	27 MM
HC CS S01 2	HC SS S01 2	HC MS S01 2	11/16	17 MM	1 1/4	32 MM
HC CS S01 6	HC SS S01 6	HC MS S01 6	13/16	21 MM	1 1/2	38 MM
HC CS S02 0	HC SS S02 0	HC MS S02 0	13/16	21 MM	1 3/4	44 MM
HC CS S02 4	HC SS S02 4	HC MS S02 4	1 1/16	27 MM	2	51 MM
HC CS S02 8	HC SS S02 8	HC MS S02 8	1 5/16	33 MM	2 1/4	57 MM
HC CS S03 2	HC SS S03 2	HC MS S03 2	1 9/16	40 MM	2 1/2	64 MM
HC CS S03 6	HC SS S03 6	HC MS S03 6	1 13/16	46 MM	2 3/4	70 MM
HC CS S04 0	HC SS S04 0	HC MS S04 0	2 1/16	52 MM	3	76 MM
HC CS S04 8	HC SS S04 8	HC MS S04 8	2 9/16	65 MM	3 1/2	89 MM
HC CS S05 2	HC SS S05 2	HC MS S05 2	2 13/16	71 MM	3 3/4	95 MM
HC CS S05 6	HC SS S05 6	HC MS S05 6	3 1/16	78 MM	4	102 MM
HC CS S06 0	HC SS S06 0	HC MS S06 0	3 5/16	84 MM	4 1/4	108 MM
HC CS S06 4	HC SS S06 4	HC MS S06 4	3 9/16	91 MM	4 1/2	114 MM
HC CS S07 2	HC SS S07 2	HC MS S07 2	1 7/8	48 MM	5	127 MM
HC CS S08 0	HC SS S08 0	HC MS S08 0	2 1/2	64 MM	5 1/2	140 MM
HC CS S08 8	HC SS S08 8	HC MS S08 8	3 1/8	79 MM	6	152 MM
HC CS S09 6	HC SS S09 6	HC MS S09 6	3 5/8	92 MM	6 1/2	165 MM
HC CS S10 4	HC SS S10 4	HC MS S10 4	4 1/8	105 MM	7	178 MM

SNAPPERS

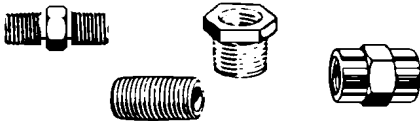


WHITE PART#	BLACK PART#	MIN. DIA.	MAX DIA.	NUMBER OF TEETH
SN 00 1WH T	SN 00 1BL K	.228	.256	12
SN 00 2WH T	SN 00 2BL K	.351	.394	12
SN 00 4WH T	SN 00 4BL K	.404	.452	12
SN 00 6WH T	SN 00 6BL K	.449	.511	14
SN 00 7WH T	SN 00 7BL K	.453	.546	18
SN 00 8WH T	SN 00 8BL K	.513	.586	16
SN 01 0WH T	SN 01 0BL K	.569	.650	16
SN 01 2WH T	SN 01 2BL K	.616	.707	18
SN 01 4WH T	SN 01 4BL K	.702	.801	18
SN 01 6WH T	SN 01 6BL K	.746	.848	18
SN 01 8WH T	SN 01 8BL K	.779	.899	22
SN 01 9WH T	SN 01 9BL K	.859	.989	22
SN 02 2WH T	SN 02 2BL K	.928	1.072	22
SN 02 4WH T	SN 02 4BL K	.985	1.135	22
SN 02 8WH T	SN 02 8BL K	1.123	1.296	26
SN 03 2WH T	SN 03 2BL K	1.218	1.405	26
SN 03 3WH T	SN 03 3BL K	1.283	1.595	44
SN 03 4WH T	SN 03 4BL K	1.338	1.566	34
SN 03 6WH T	SN 03 6BL K	1.472	1.724	34
SN 03 8WH T	SN 03 8BL K	1.594	1.862	34
SN 04 2WH T	SN 04 2BL K	1.730	2.010	17
SN 05 0WH T	SN 05 0BL K	1.999	2.277	30
SN 06 0WH T	SN 06 0BL K	2.259	2.582	40
SN 07 0WH T	SN 07 0BL K	2.507	2.897	21
SN 07 6WH T	SN 07 6BL K	2.839	3.206	36
SN 08 0WH T	SN 08 0BL K	3.155	3.523	18
SN 09 0WH T	SN 09 0BL K	3.506	3.922	34
SN 10 0WH T	SN 10 0BL K	3.871	4.395	50
SN 10 1WH T	SN 10 1BL K	4.033	4.617	56

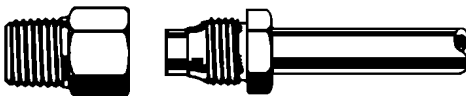
BRASS FITTINGS



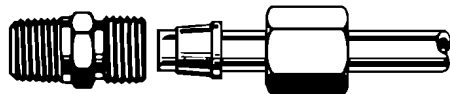
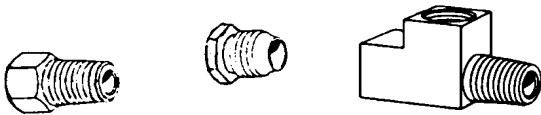
PIPE FITTINGS



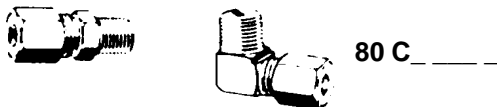
83 B _____



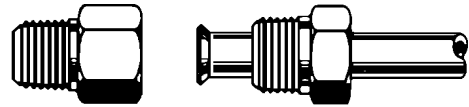
DOUBLE COMPRESSION FITTINGS



COMPRESSION-ALIGN FITTINGS



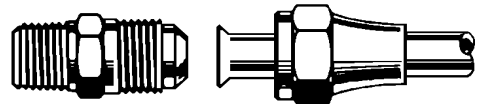
80 C _____



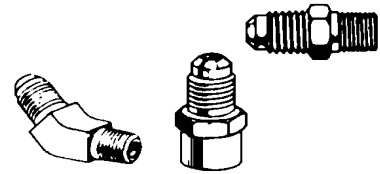
INVERTED FLARE FITTINGS



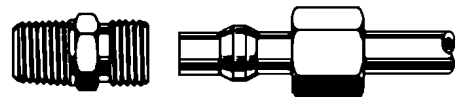
80 V _____



SAE 45 FLARED FITTINGS



80 S _____



AIR BRAKE FITTINGS



80 A _____



80 N _____

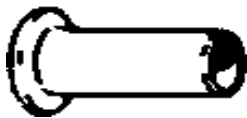
AIR BRAKE

SLEEVE



80 AS LV4 0	SLEEVE 1/4
80 AS LV6 0	SLEEVE 3/8
80 AS LV8 0	SLEEVE 1/2
80 AS LVA 0	SLEEVE 5/8
80 AS LVB 0	SLEEVE 3/4

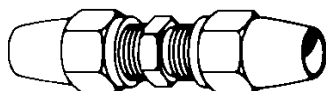
INSERT



80 C1 NS2 0	INSERT 1/8
80 C1 NS4 0	INSERT 1/4
80 C1 NS6 0	INSERT 3/8
80 C1 NS8 0	INSERT 1/2
80 C1 NSA 0	INSERT 5/8
80 C1 NSB 0	INSERT 3/4

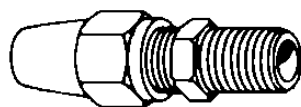
AIR BRAKE

UNION



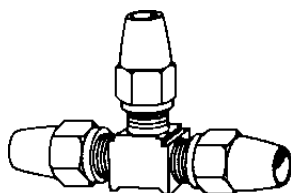
80 AU N04 0	UNION 1/4
80 AU N06 0	UNION 3/8
80 AU N08 0	UNION 1/2
80 AU N0A 0	UNION 5/8
80 AU N0B 0	UNION 3/4

MALE



80 AM AL4 2	MALE 1/4X1/8
80 AM AL4 4	MALE 1/4X1/4
80 AM AL4 6	MALE 1/4X3/8
80 AM AL6 2	MALE 3/8X1/8
80 AM AL6 4	MALE 3/8X1/4
80 AM AL6 6	MALE 3/8X3/8
80 AM AL6 8	MALE 3/8X1/2
80 AM AL8 4	MALE 1/2X1/4
80 AM AL8 6	MALE 1/2X3/8
80 AM AL8 8	MALE 1/2X1/2
80 AM ALA 6	MALE 5/8X3/8
80 AM ALA 8	MALE 5/8X1/2
80 AM ALA B	MALE 5/8X3/4
80 AM ALB 8	MALE 3/4X1/2
80 AM ALB B	MALE 3/4X3/4

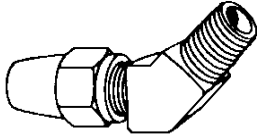
UNION TEE



80 AU TE4 0	UNION TEE 1/4
80 AU TE6 0	UNION TEE 3/8
80 AU TE8 0	UNION TEE 1/2
80 AU TEA 0	UNION TEE 5/8
80 AU TEB 0	UNION TEE 3/4

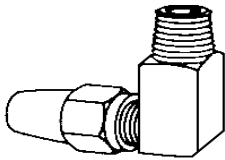
AIR BRAKE

MALE 45



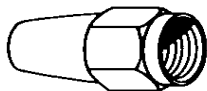
80 AM 454 2	MALE 45 1/4X1/8
80 AM 454 4	MALE 45 1/4X1/4
80 AM 456 4	MALE 45 3/8X1/4
80 AM 458 6	MALE 45 1/2X3/8
80 AM 45A 8	MALE 45 5/8X1/2

MALE 90



80 AM 904 2	MALE 90 1/4X1/8
80 AM 904 4	MALE 90 1/4X1/4
80 AM 904 6	MALE 90 1/4X3/8
80 AM 906 2	MALE 90 3/8X1/8
80 AM 906 4	MALE 90 3/8X1/4
80 AM 906 6	MALE 90 3/8X3/8
80 AM 906 8	MALE 90 3/8X1/2
80 AM 908 4	MALE 90 1/2X1/4
80 AM 908 6	MALE 90 1/2X3/8
80 AM 908 8	MALE 90 1/2X1/2
80 AM 90A 6	MALE 90 5/8X3/8
80 AM 90A 8	MALE 90 5/8X1/2
80 AM 90A B	MALE 90 5/8X3/4
80 AM 90B 8	MALE 90 3/4X1/2
80 AM 80B B	MALE 90 3/4X3/4

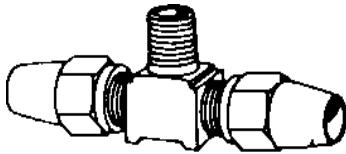
NUT



80 AN UT4 0	NUT 1/4
80 AN UT6 0	NUT 3/8
80 AN UT8 0	NUT 1/2
80 AN UTA 0	NUT 5/8
80 AN UTB 0	NUT 3/4

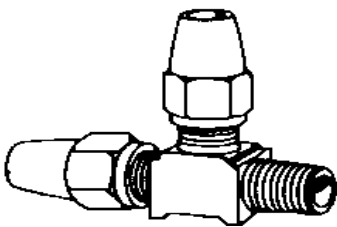
AIR BRAKE

MALE BRANCH



80 AM BT4 2	MALE BRANCH TEE 1/4X1/8
80 AM BT4 4	MALE BRANCH TEE 1/4X1/4
80 AM BT6 2	MALE BRANCH TEE 3/8X1/8
80 AM BT6 4	MALE BRANCH TEE 3/8X1/4
80 AM BT6 6	MALE BRANCH TEE 3/8X3/8
80 AM BT8 6	MALE BRANCH TEE 1/2X3/8
80 AM BT8 8	MALE BRANCH TEE 1/2X1/2
80 AM BTA 8	MALE BRANCH TEE 5/8X1/2
80 AM BTB 8	MALE BRANCH TEE 3/4X1/2

MALE RUN



80 AM RT4 2	MALE RUN TEE 1/4X1/8
80 AM RT4 4	MALE RUN TEE 1/4X1/4
80 AM RT6 2	MALE RUN TEE 3/8X1/8
80 AM RT6 4	MALE RUN TEE 3/8X1/4
80 AM RT6 6	MALE RUN TEE 3/8X3/8
80 AM RT8 6	MALE RUN TEE 1/2X3/8
80 AM RT8 8	MALE RUN TEE 1/2X1/2
80 AM RTA 8	MALE RUN TEE 5/8X1/2
80 AM RTB 8	MALE RUN TEE 3/4X1/2

NYLON TUBE AIR BRAKE

SLEEVE



80 NS LV4 0	SLEEVE 1/4
80 NS LV6 0	SLEEVE 3/8
80 NS LV8 0	SLEEVE 1/2
80 NS LVA 0	SLEEVE 5/8
80 NS LVB 0	SLEEVE 3/4

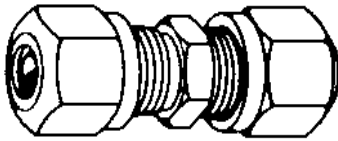
INSERT



80 N1 NS2 0	INSERT 1/8
80 N1 NS4 0	INSERT 1/4
80 N1 NS6 0	INSERT 3/8
80 N1 NS8 0	INSERT 1/2
80 N1 NSA 0	INSERT 5/8
80 N1 NSB 0	INSERT 3/4

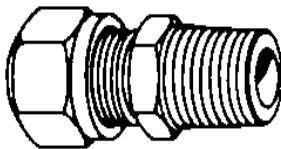
NYLON TUBE AIR BRAKE

UNION



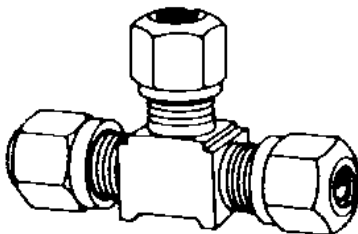
80 NU N04 0	UNION 1/4
80 NU N06 0	UNION 3/8
80 NU N08 0	UNION 1/2
80 NU N0A 0	UNION 5/8
80 NU N0B 0	UNION 3/4

MALE



80 NM AL4 2	MALE 1/4X1/8
80 NM AL4 4	MALE 1/4X1/4
80 NM AL4 6	MALE 1/4X3/8
80 NM AL6 2	MALE 3/8X1/8
80 NM AL6 4	MALE 3/8X1/4
80 NM AL6 6	MALE 3/8X3/8
80 NM AL6 8	MALE 3/8X1/2
80 NM AL8 4	MALE 1/2X1/4
80 NM AL8 6	MALE 1/2X3/8
80 NM AL8 8	MALE 1/2X1/2
80 NM ALA 6	MALE 5/8X3/8
80 NM ALA 8	MALE 5/8X1/2
80 NM ALA B	MALE 5/8X3/4
80 NM ALB 8	MALE 3/4X1/2
80 NM ALB B	MALE 3/4X3/4

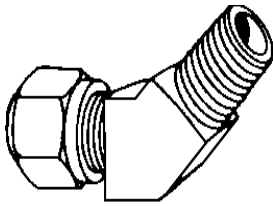
UNION TEE



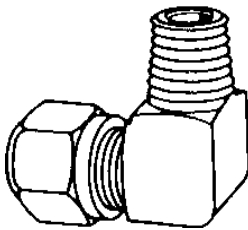
80 NU TE4 0	UNION TEE 1/4
80 NU TE6 0	UNION TEE 3/8
80 NU TE8 0	UNION TEE 1/2
80 NU TEA 0	UNION TEE 5/8
80 NU TEB 0	UNION TEE 3/4

NYLON TUBE AIR BRAKE

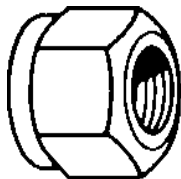
MALE 45



MALE 90



NUT



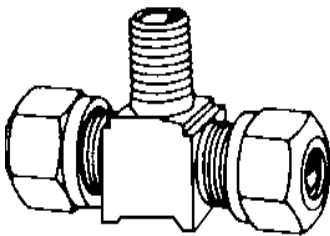
80 NM 454 2	MALE 45 1/4X1/8
80 NM 454 4	MALE 45 1/4X1/4
80 NM 456 4	MALE 45 3/8X1/4
80 NM 458 6	MALE 45 1/2X3/8
80 NM 45A 8	MALE 45 5/8X1/2

80 NM 904 2	MALE 90 1/4X1/8
80 NM 904 4	MALE 90 1/4X1/4
80 NM 904 6	MALE 90 1/4X3/8
80 NM 906 2	MALE 90 3/8X1/8
80 NM 906 4	MALE 90 3/8X1/4
80 NM 906 6	MALE 90 3/8X3/8
80 NM 906 8	MALE 90 3/8X1/2
80 NM 908 4	MALE 90 1/2X1/4
80 NM 908 6	MALE 90 1/2X3/8
80 NM 908 8	MALE 90 1/2X1/2
80 NM 90A 6	MALE 90 5/8X3/8
80 NM 90A 8	MALE 90 5/8X1/2
80 NM 90A B	MALE 90 5/8X3/4
80 NM 90B 8	MALE 90 3/4X1/2
80 NM 80B B	MALE 90 3/4X3/4

80 NN UT4 0	NUT 1/4
80 NN UT6 0	NUT 3/8
80 NN UT8 0	NUT 1/2
80 NN UTA 0	NUT 5/8
80 NN UTB 0	NUT 3/4

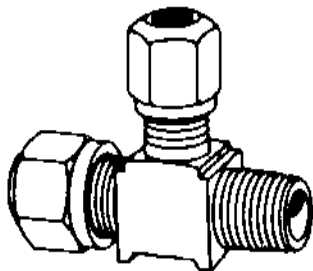
NYLON TUBE AIR BRAKE

MALE BRANCH



80 NM BT4 2	MALE BRANCH TEE 1/4X1/8
80 NM BT4 4	MALE BRANCH TEE 1/4X1/4
80 NM BT6 2	MALE BRANCH TEE 3/8X1/8
80 NM BT6 4	MALE BRANCH TEE 3/8X1/4
80 NM BT6 6	MALE BRANCH TEE 3/8X3/8
80 NM BT8 6	MALE BRANCH TEE 1/2X3/8
80 NM BTA 8	MALE BRANCH TEE 5/8X1/2

MALE RUN

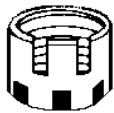


80 NM RT4 2	MALE RUN TEE 1/4X1/8
80 NM RT4 4	MALE RUN TEE 1/4X1/4
80 NM RT6 2	MALE RUN TEE 3/8X1/8
80 NM RT6 4	MALE RUN TEE 3/8X1/4
80 NM RT6 6	MALE RUN TEE 3/8X3/8
80 NM RT8 6	MALE RUN TEE 1/2X3/8
98 NM RTA 8	MALE RUN TEE 5/8X1/2

REUSABLE AIR BRAKE



80 LS CN6 4 3/8X1/4 CONNECTOR WITH SPRING
80 LS CN6 6 3/8X3/8 CONNECTOR WITH SPRING
80 LS CN6 8 3/8X1/2 CONNECTOR WITH SPRING



80 LS LV6 0 3/8 CASTLE SLEEVE
80 LS LV8 0 1/2 CASTLE SLEEVE

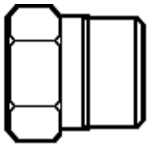


80 LN WS6 0 3/8 NUT WITH SPRING

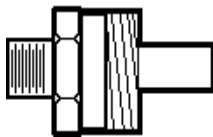


80 LS PR6 0 3/8 SPRING

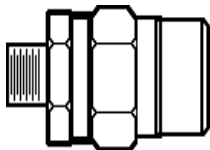
REUSABLE AIR BRAKE



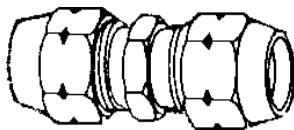
80 LN UT6 0 3/8 NUT



80 LC B06 4 3/8X1/4 COUPLING BODY
80 LC B06 6 3/8X3/8 COUPLING BODY
80 LC B06 8 3/8X1/2 COUPLING BODY



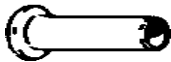
80 LC 0N6 4 3/8X1/4 CONNECTOR ASSEMBLY
80 LC 0N6 6 3/8X3/8 CONNECTOR ASSEMBLY
80 LC 0N6 8 3/8X1/2 CONNECTOR ASSEMBLY



80 LH MD6 0 3/8 HOSE MENDER ASSEMBLY

COMPRESSION

INSERT



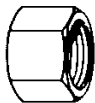
80 C1 NS2 0	1/8 INSERT
80 C1 NS4 0	1/4 INSERT
80 C1 NS5 0	5/16 INSERT
80 C1 NS6 0	3/8 INSERT
80 C1 NS8 0	1/2 INSERT
80 C1 NSA 0	5/8 INSERT

SLEEVE



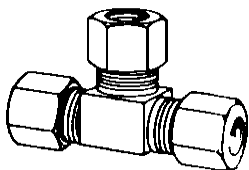
80 CS LV2 0	1/8 SLEEVE
80 CS LV4 0	1/4 SLEEVE
80 CS LV5 0	5/16 SLEEVE
80 CS LV6 0	3/8 SLEEVE
80 CS LV8 0	1/2 SLEEVE
80 CS LVA 0	5/8 SLEEVE
80 CS LVB 0	3/4 SLEEVE

NUT



80 CN UT2 0	1/8 NUT
80 CN UT4 0	1/4 NUT
80 CN UT5 0	5/16 NUT
80 CN UT6 0	3/8 NUT
80 CN UT8 0	1/2 NUT
80 CN UTA 0	5/8 NUT
80 CN UTB 0	3/4 NUT

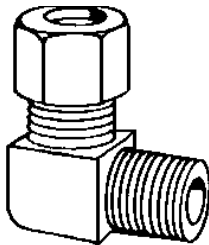
UNION TEE



80 CT EE2 0	1/8 UNION TEE
80 CT EE4 0	1/4 UNION TEE
80 CT EE5 0	5/16 UNION TEE
80 CT EE6 0	3/8 UNION TEE
80 CT EE8 0	1/2 UNION TEE
80 CT EEA 0	5/8 UNION TEE
80 CT EEB 0	3/4 UNION TEE

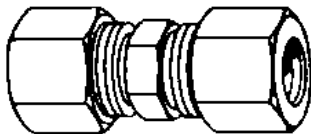
COMPRESSION

MALE 90



80 CM 902 2	MALE 90 1/8X1/8
80 CM 904 2	MALE 90 1/4X1/8
80 CM 904 4	MALE 90 1/4X1/4
80 CM 904 6	MALE 90 1/4X3/8
80 CM 905 4	MALE 90 5/16X1/4
80 CM 906 2	MALE 90 3/8X1/8
80 CM 906 4	MALE 90 3/8X1/4
80 CM 906 6	MALE 90 3/8X3/8
80 CM 906 8	MALE 90 3/8X1/2
80 CM 906 B	MALE 90 3/8X3/4
80 CM 908 4	MALE 90 1/2X1/4
80 CM 908 6	MALE 90 1/2X3/8
80 CM 908 8	MALE 90 1/2X1/2
80 CM 908 B	MALE 90 1/2X3/4
80 CM 90A 6	MALE 90 5/8X3/8
80 CM 90A 8	MALE 90 5/8X1/2
80 CM 90A B	MALE 90 5/8X3/4
80 CM 90B 8	MALE 90 3/4X1/2
80 CM 90B B	MALE 90 3/4X3/4

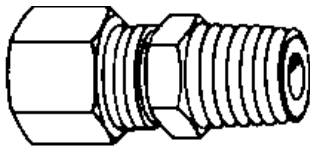
UNION



80 CU N02 0	1/8 UNION
80 CU N04 0	1/4 UNION
80 CU N05 0	5/16 UNION
80 CU N06 0	3/8 UNION
80 CU N08 0	1/2 UNION
80 CU N0A 0	5/8 UNION
80 CU N0B 0	3/4 UNION

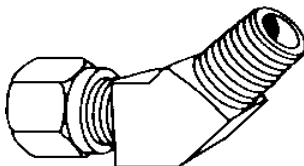
COMPRESSION

MALE



80 CM AL2 2	1/8X1/8 MALE
80 CM AL4 2	1/4X1/8 MALE
80 CM AL4 4	1/4X1/4 MALE
80 CM AL4 6	1/4X3/8 MALE
80 CM AL4 8	1/4X1/2 MALE
80 CM AL5 4	5/16X1/4 MALE
80 CM AL6 2	3/8X1/8 MALE
80 CM AL6 4	3/8X1/4 MALE
80 CM AL6 6	3/8X3/8 MALE
80 CM AL6 8	3/8X1/2 MALE
80 CM AL6 B	3/8X3/4 MALE
80 CM AL8 4	1/2X1/4 MALE
80 CM AL8 6	1/2X2/8 MALE
80 CM AL8 8	1/2X1/2 MALE
80 CM AL8 B	1/2X3/4 MALE
80 CM ALA 6	5/8X3/8 MALE
80 CM ALA 8	5/8X1/2 MALE
80 CM ALA B	5/8X3/4 MALE
80 CM ALB 8	3/4X1/2 MALE
80 CM ALB B	3/4X3/4 MALE

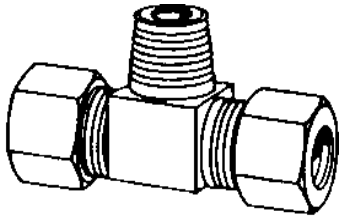
MALE 45



80 CM 454 2	1/4X1/8 MALE 45
80 CM 455 4	5/16X1/4 MALE 45
80 CM 456 4	3/8X1/4 MALE 45
80 CM 458 6	1/2X3/8 MALE 45
80 CM 45A 8	5/8X1/2 MALE 45

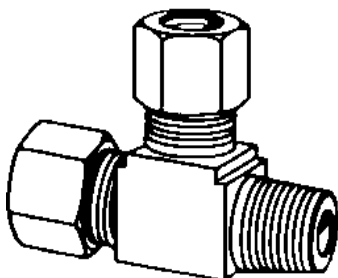
COMPRESSION

MALE BRANCH TEE



80 CM BT2 0	MALE BRANCH TEE 1/8X1/8
80 CM BT4 2	MALE BRANCH TEE 1/4X1/8
80 CM BT4 4	MALE BRANCH TEE 1/4X1/4
80 CM BT5 4	MALE BRANCH TEE 5/16X1/4
80 CM BT6 2	MALE BRANCH TEE 3/8X1/8
80 CM BT6 4	MALE BRANCH TEE 3/8X1/4
80 CM BT6 6	MALE BRANCH TEE 3/8X3/8
80 CM BT8 6	MALE BRANCH TEE 1/2X3/8
80 CM BT8 8	MALE BRANCH TEE 1/2X1/2
80 CM BTA 8	MALE BRANCH TEE 5/8X1/2
80 CM BTB 8	MALE BRANCH TEE 3/4X1/2
80 CM BTB B	MALE BRANCH TEE 3/4X3/4

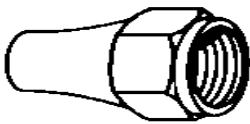
MALE RUN TEE



80 CM RT2 2	MALE RUN TEE 1/8X1/8
80 CM RT4 2	MALE RUN TEE 1/4X1/8
80 CM RT4 4	MALE RUN TEE 1/4X1/4
80 CM RT5 4	MALE RUN TEE 5/16X1/4
80 CM RT6 2	MALE RUN TEE 3/8X1/8
80 CM RT6 4	MALE RUN TEE 3/8X1/4
80 CM RT6 6	MALE RUN TEE 3/8X3/8
80 CM RT8 6	MALE RUN TEE 1/2 X3/8
80 CM RT8 8	MALE RUN TEE 1/2X1/2
80 CM RTA 8	MALE RUN TEE 5/8X1/2
80 CM RTB 8	MALE RUN TEE 3/4X1/2
80 CM RTB B	MALE RUN TEE 3/4X3/4

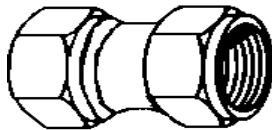
SAE 45

NUT



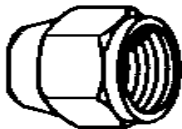
80	SN	UT4	0	SAE NUT 1/4
80	SN	UT5	0	SAE NUT 5/26
80	SN	UT6	0	SAE NUT 3/8
80	SN	UT8	0	SAE NUT 1/2
80	SN	UTA	0	SAE NUT 5/8
80	SN	UTB	0	SAE NUT 3/4

DOUBLE NUT



80	SS	FN4	0	SAE SWIVEL FORGED NUT 1/4
80	SS	FN5	0	SAE SWIVEL FORGED NUT 5/16
80	SS	FN6	0	SAE SWIVEL FORGED NUT 3/8
80	SS	FN8	0	SAE SWIVEL FORGED NUT 1/2
80	SS	FNA	0	SAE SWIVEL FORGED NUT 5/8
80	SS	FNB	0	SAE SWIVEL FORGED NUT 3/4

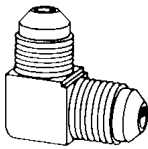
CAP



80	SC	AP4	0	SAE CAP 1/4
80	SC	AP5	0	SAE CAP 5/16
80	SC	AP6	0	SAE CAP 3/8
80	SC	AP8	0	SAE CAP 1/2
80	SC	APA	0	SAE CAP 5/8
80	SC	APB	0	SAE CAP 3/4

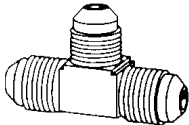
SAE 45

ELBOW



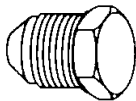
80 SU 904 0	SAE ELBOW 1/4
80 SU 905 0	SAE ELBOW 5/16
80 SU 906 0	SAE ELBOW 3/8
80 SU 908 0	SAE ELBOW 1/2
80 SU 90A 0	SAE ELBOW 5/8
80 SU 90B 0	SAE ELBOW 3/4

TEE



80 ST EE4 0	SAE TEE 1/4
80 ST EE5 0	SAE TEE 5/16
80 ST EE6 0	SAE TEE 3/8
80 ST EE8 0	SAE TEE 1/2
80 ST EEA 0	SAE TEE 5/8
80 ST EEB 0	SAE TEE 3/4

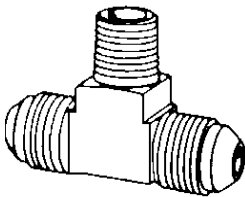
PLUG



80 SH HP4 0	SAE PLUG 1/4
80 SH HP5 0	SAE PLUG 5/16
80 SH HP6 0	SAE PLUG 3/8
80 SH HP8 0	SAE PLUG 1/2
80 SH HPA 0	SAE PLUG 5/8
80 SH HPB 0	SAE PLUG 3/4

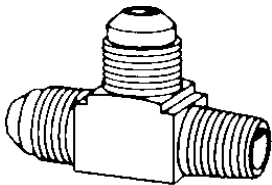
SAE 45

MALE BRANCH



80 SM BT4 2	SAE MALE BRANCH TEE 1/4X1/8
80 SM BT4 6	SAE MALE BRANCH TEE 1/4X1/4
80 SM BT5 2	SAE MALE BRANCH TEE 5/16X1/8
80 SM BT5 4	SAE MALE BRANCH TEE 5/16X1/4
80 SM BT6 2	SAE MALE BRANCH TEE 3/8X1/8
80 SM BT6 4	SAE MALE BRANCH TEE 3/8X1/4
80 SM BT6 6	SAE MALE BRANCH TEE 3/8X3/8
80 SM BT8 4	SAE MALE BRANCH TEE 1/2X1/4
80 SM BT8 6	SAE MALE BRANCH TEE 1/2X3/8
80 SM BT8 8	SAE MALE BRANCH TEE 1/2X1/2
80 SM BTA 8	SAE MALE BRANCH TEE 5/8X1/2
80 SM BTB 8	SAE MALE BRANCH TEE 3/4X1/2
80 SM BTB B	SAE MALE BRANCH TEE 3/4X3/4

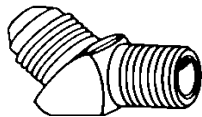
MALE RUN



80 SM RT4 2	SAE MALE RUN TEE 1/4X1/8
80 SM RT4 4	SAE MALE RUN TEE 1/4X1/4
80 SM RT5 2	SAE MALE RUN TEE 5/16X1/8
80 SM RT5 4	SAE MALE RUN TEE 5/16X1/4
80 SM RT6 4	SAE MALE RUN TEE 3/8X1/4
80 SM RT6 6	SAE MALE RUN TEE 3/8X3/8
80 SM RT8 6	SAE MALE RUN TEE 1/2X3/8
80 SM RT8 8	SAE MALE RUN TEE 1/2X1/2
80 SM RTA 8	SAE MALE RUN TEE 5/8X1/2
80 SM RTB 8	SAE MALE RUN TEE 3/4X1/2
80 SM RTB B	SAE MALE RUN TEE 3/4X3/4

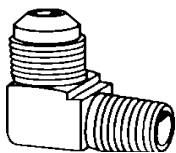
SAE 45 °

MALE 45 °



80	SM	454	2	SAE 45 MALE 1/4X1/8
80	SM	454	4	SAE 45 MALE 1/4X1/4
80	SM	455	2	SAE 45 MALE 5/16X1/8
80	SM	455	4	SAE 45 MALE 5/16X1/4
80	SM	456	4	SAE 45 MALE 3/8X1/4
80	SM	456	6	SAE 45 MALE 3/8X3/8
80	SM	456	8	SAE 45 MALE 3/8X1/2
80	SM	458	6	SAE 45 MALE 1/2X3/8
80	SM	45A	8	SAE 45 MALE 5/8X1/2

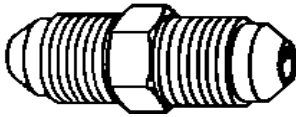
MALE 90 °



80	SM	904	2	SAE 90 MALE 1/4X1/8
80	SM	904	4	SAE 90 MALE 1/4X1/4
80	SM	904	6	SAE 90 MALE 1/4X3/8
80	SM	904	8	SAE 90 MALE 1/4X1/2
80	SM	905	2	SAE 90 MALE 5/16X1/8
80	SM	905	4	SAE 90 MALE 5/16X1/4
80	SM	905	6	SAE 90 MALE 5/16X3/8
80	SM	906	2	SAE 90 MALE 3/8X1/8
80	SM	906	4	SAE 90 MALE 3/8X1/4
80	SM	906	6	SAE 90 MALE 3/8X3/8
80	SM	906	8	SAE 90 MALE 3/8X1/2
80	SM	908	4	SAE 90 MALE 1/2X1/4
80	SM	908	6	SAE 90 MALE 1/2X3/8
80	SM	908	8	SAE 90 MALE 1/2X1/2
80	SM	908	B	SAE 90 MALE 1/2X3/4
80	SM	90A	6	SAE 90 MALE 5/8X3/8
80	SM	90A	8	SAE 90 MALE 5/8X1/2
80	SM	90A	B	SAE 90 MALE 5/8X3/4
80	SM	90B	8	SAE 90 MALE 3/4X1/2
80	SM	90B	B	SAE 90 MALE 3/4X3/4

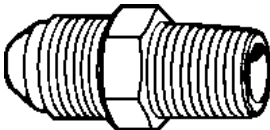
SAE 45

UNION



80 SU N04 0	SAE UNION 1/4
80 SU N05 0	SAE UNION 5/16
80 SU N06 0	SAE UNION 3/8
80 SU N08 0	SAE UNION 1/2
80 SU N0A 0	SAE UNION 5/8
80 SU N0B 0	SAE UNION 3/4

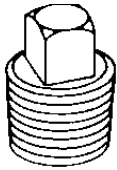
MALE



80 SM AL4 2	SAE MALE 1/4X1/8
80 SM AL4 4	SAE MALE 1/4 X1/4
80 SM AL4 6	SAE MALE 1/4X3/8
80 SM AL4 8	SAE MALE 1/4X1/2
80 SM AL5 2	SAE MALE 5/16X1/8
80 SM AL5 4	SAE MALE 5/16X1/4
80 SM AL5 6	SAE MALE 5/16X3/8
80 SM AL6 2	SAE MALE 3/8X1/8
80 SM AL6 4	SAE MALE 3/8X1/4
80 SM AL6 6	SAE MALE 3/8X3/8
80 SM AL6 8	SAE MALE 3/8X1/2
80 SM AL8 2	SAE MALE 1/2X1/8
80 SM AL8 6	SAE MALE 1/2X3/8
80 SM AL8 8	SAE MALE 1/2X1/2
80 SM AL8 B	SAE MALE 1/2X3/4
80 SM ALA 6	SAE MALE 5/8X3/8
80 SM ALA 8	SAE MALE 5/8X1/2
80 SM ALA B	SAE MALE 5/8X3/4
80 SM ALB 8	SAE MALE 3/4X1/2
80 SM ALB B	SAE MALE 3/4X3/4

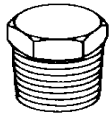
BRASS PIPE

PLUG



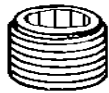
83 BS QP2 0	SQ PLUG 1/8
83 BS QP4 0	SQ PLUG 1/4
83 BS QP6 0	SQ PLUG 3/8
83 BS QP8 0	SQ PLUG 1/2
83 BS QPB 0	SQ PLUG 3/4

PLUG



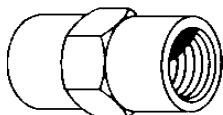
83 BH HP2 0	HEX HEAD PLUG 1/8
83 BH HP4 0	HEX HEAD PLUG 1/4
83 BH HP6 0	HEX HEAD PLUG 3/8
83 BH HP8 0	HEX HEAD PLUG 1/2
83 BH HPB 0	HEX HEAD PLUG 3/4

PLUG



83 BA LP2 0	ALLEN HEAD PLUG 1/8
83 BA LP4 0	ALLEN HEAD PLUG 1/4
83 BA LP6 0	ALLEN HEAD PLUG 3/8
83 BA LP8 0	ALLEN HEAD PLUG 1/2

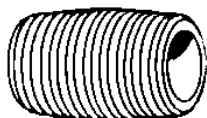
COUPLING



83 BC UP2 0	COUPLING 1/8
83 BC UP4 0	COUPLING 1/4
83 BC UP6 0	COUPLING 3/8
83 BC UP8 0	COUPLING 1/2
83 BC UPB 0	COUPLING 3/4

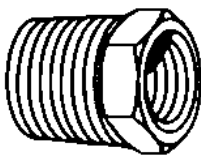
BRASS PIPE

NIPPLE



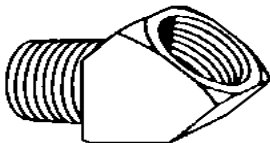
83 BC LN2 0	CLOSE NIPPLE 1/8
83 BC LN4 0	CLOSE NIPPLE 1/4
83 BC LN6 0	CLOSE NIPPLE 3/8
83 BC LN8 0	CLOSENIPPLE 1/2
83 BC LNB 0	CLOSENIPPLE 3/4

BUSHING



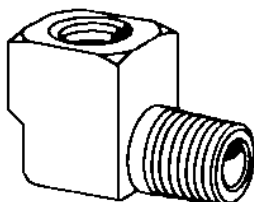
83 BB US4 2	BUSHING 1/4X1/8
83 BB US6 2	BUSHING 3/8X1/8
83 BB US6 4	BUSHING 3/8X1/4
83 BB US8 2	BUSHING 1/2X1/8
83 BB US8 4	BUSHING 1/2X1/4
83 BB US8 6	BUSHING 1/2X3/8
83 BB USB 4	BUSHING 3/4X1/4
83 BB USB 6	BUSHING 3/4X3/8
83 BB USB 8	BUSHING 3/4X1/2

45 STREET ELBOW



83 B4 SE2 0	45 STREET ELBOW 1/8
83 B4 SE4 0	45 STREET ELBOW 1/4
83 B4 SE6 0	45 STREET ELBOW 3/8
83 B4 SE8 0	45 STREET ELBOW 1/2

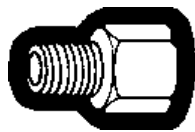
90 STREET ELBOW



83 BS TE2 0	90 STREET ELBOW 1/8
83 BS TE4 0	90 STREET ELBOW 1/4
83 BS TE6 0	90 STREET ELBOW 3/8
83 BS TE8 0	90 STREET ELBOW 1/2
83 BS TEB 0	90 STREET ELBOW 3/4

BRASS PIPE

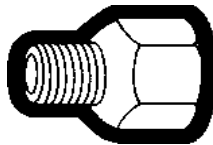
ADAPTER



83 BA DP2 0
83 BA DP4 0
83 BA DP6 0
83 BA DP8 0

ADAPTER 1/8
ADAPTER 1/4
ADAPTER 3/8
ADAPTER 1/2

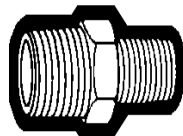
REDUCING ADAPTER



83 BR AD4 2
83 BR AD6 2
83 BR AD6 4
83 BR AD8 6
83 BR ADB 8

RED. ADAPTER 1/4X1/8
RED. ADAPTER 3/8X1/8
RED. ADAPTER 3/8X1/4
RED. ADAPTER 1/2X3/8
RED. ADAPTER 3/4X1/2

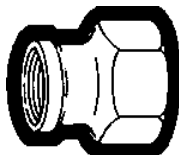
REDUCING HEX NIPPLE



83 BR HN4 2
83 BR HN6 2
83 BR HN6 4
83 BR HN8 4
83 BR HN8 6
83 BR HNB 8

RED. HEX NIPPLE 1/4X1/8
RED. HEX NIPPLE 3/8X1/8
RED. HEX NIPPLE 3/8X1/4
RED. HEX NIPPLE 1/2X1/4
RED. HEX NIPPLE 1/2X3/8
RED. HEX NIPPLE 3/4X1/2

REDUCING COUPLER

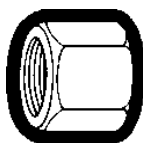


83 BR EC4 2
83 BR EC6 2
83 BR EC6 4
83 BR EC8 4
83 BR EC8 6
83 BR ECB 8

RED. COUPLER 1/4X1/8
RED. COUPLER 3/8X1/8
RED. COUPLER 3/8X1/4
RED. COUPLER 1/2X1/4
RED. COUPLER 1/2X3/8
RED. COUPLER 3/4X1/2

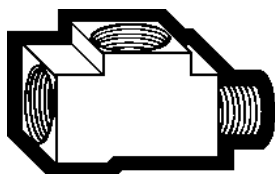
BRASS PIPE

CAP



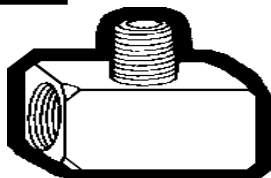
83 BC AP2 0	CAP 1/8
83 BC AP4 0	CAP 1/4
83 BC AP6 0	CAP 3/8
83 BC AP8 0	CAP 1/2

SERVICE TEE-MALE PIPE ON RUN



83 BM RT2 0	RUN TEE 1/8
83 BM RT4 0	RUN TEE 1/4
83 BM RT6 0	RUN TEE 3/8
83 BM RT8 0	RUN TEE 1/2

SERVICE TEE-MALE PIPE ON BRANCH



83 BM BT2 0	BRANCH TEE 1/8
83 BM BT4 0	BRANCH TEE 1/4
83 BM BT6 0	BRANCH TEE 3/8
83 BM BT8 0	BRANCH TEE 1/2

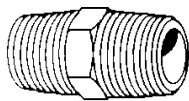
PLUG-SLOTTED HEAD



83 BS LP2 0	SLOTTED PLUG 1/8
83 BS LP4 0	SLOTTED PLUG 1/4
83 BS LP6 0	SLOTTED PLUG 3/8
83 BS LP8 0	SLOTTED PLUG 1/2

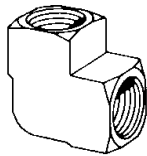
BRASS PIPE

HEX NIPPLE



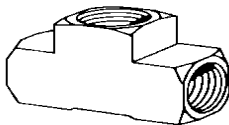
83 BH XN2 0	HEX NIPPL;E 1/8
83 BH XN4 0	HEX NIPPLE 1/4
83 BH XN6 0	HEX NIPPLE 3/8
83 BH XN8 0	HEX NIPPLE 1/2
83 BH XNB 0	HEX NIPPLE 3/4

ELBOW



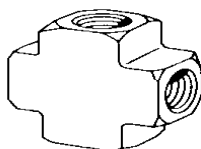
83 BE LB2 0	ELBOW 1/8
83 BE LB4 0	ELBOW 1/4
83 BE LB6 0	ELBOW 3/8
83 BE LB8 0	ELBOW 1/2
83 BE LBB 0	ELBOW 3/4

TEE



83 BT EE2 0	TEE 1/8
83 BT EE4 0	TEE 1/4
83 BT EE6 0	TEE 3/8
83 BT EE8 0	TEE 1/2
83 BT EEB 0	TEE 3/4

CROSS



83 BC RS2 0	CROSS 1/8
83 BC RS4 0	CROSS 1/4
83 BC RS6 0	CROSS 3/8
83 BC RS8 0	CROSS 1/2

BRASS PIPE

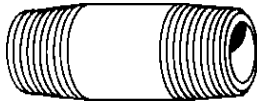


83	BL	152	0	LONG NIPPLE 1/8X1/2
83	BL	202	0	LONG NIPPLE 1/8X2
83	BL	252	0	LONG NIPPLE 1/8X2 1/2
83	BL	302	0	LONG NIPPLE 1/8X3
83	BL	352	0	LONG NIPPLE 1/8X3 1/2
83	BL	402	0	LONG NIPPLE 1/8X4
83	BL	452	0	LONG NIPPLE 1/8X4 1/2

83	BL	153	0	LONG NIPPLE 1/4X1 1/2
83	BL	204	0	LONG NIPPLE 1/4X2
83	BL	254	0	LONG NIPPLE 1/4X2 1/2
83	BL	304	0	LONG NIPPLE 1/4X3
83	BL	354	0	LONG NIPPLE 1/4X3 1/2
83	BL	404	0	LONG NIPPLE 1/4X4
83	BL	454	0	LONG NIPPLE 1/4X4 1/2

83	BL	156	0	LONG NIPPLE 3/8X1 1/2
83	BL	206	0	LONG NIPPLE 3/8X2
83	BL	256	0	LONG NIPPLE 3/8X2 1/2
83	BL	306	0	LONG NIPPLE 3/8X3
83	BL	356	0	LONG NIPPLE 3/8X3 1/2
83	BL	406	0	LONG NIPPLE 3/8X4
83	BL	456	0	LONG NIPPLE 3/8X4 1/2

BRASS PIPE

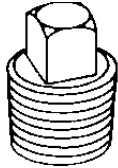


83 BL 158 0	LONG NIPPLE 1/2X1/2
83 BL 208 0	LONG NIPPLE 1/2X2
83 BL 258 0	LONG NIPPLE 1/2X2 1/2
83 BL 308 0	LONG NIPPLE 1/2X3
83 BL 358 0	LONG NIPPLE 1/2X3 1/2
83 BL 408 0	LONG NIPPLE 1/2X4
83 BL 458 0	LONG NIPPLE 1/2X4 1/2

83 BL 20B 0	LONG NIPPLE 3/4X2
83 BL 25B 0	LONG NIPPLE 3/4X2 1/2
83 BL 30B 0	LONG NIPPLE 3/4X3
83 BL 35B 0	LONG NIPPLE 3/4X3 1/2
83 BL 40B 0	LONG NIPPLE 3/4X4
83 BL 45B 0	LONG NIPPLE 3/4X4 1/2

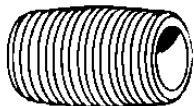
BLACK PIPE

SQ. PLUG



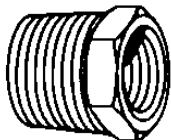
BP Q1 800 0	1/8 SQ. PLUG
BP Q1 400 0	1/4 SQ. PLUG
BP Q3 800 0	3/8 SQ PLUG
BP Q1 200 0	1/2 SQ. PLUG
BP Q3 400 0	3/4 SQ. PLUG
BP Q1 000 0	1" SQ. PLUG

CLOSE NIPPLE



BP N1 800 0	1/8 CLOSE NIPPLE
BP N1 400 0	1/4 CLOSE NIPPLE
BP N3 400 0	3/8 CLOSE NIPPLE
BP N1 200 0	1/2 CLOSE NIPPLE
BP N3 400 0	3/4 CLOSE NIPPLE
BP N1 000 0	1" CLOSENIPPLE

BUSHING



BP B1 418 0	1/4X1/8 BUSHING
BP B3 818 0	3/8X1/8 BUSHING
BP B3 814 0	3/8X1/4 BUSHING
BP B1 218 0	1/2X1/8 BUSHING
BP B1 214 0	1/2X1/4 BUSHING
BP B1 238 0	1/2X3/8 BUSHING
BP B3 414 0	3/4X1/4 BUSHING
BP B3 438 0	3/4X3/8 BUSHING
BP B3 410 0	3/4X1 BUSHING
BP B1 120 0	1X1/2 BUSHING
BP B1 340 0	1X3/4 BUSHING

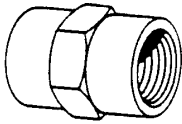
LONG NIPPLES



BP L1 800 1	1/8X1 1/2 LONG NIPPLE
BP L1 800 2	1/8X2 LONG NIPPLE
BP L1 800 A	1/8X2 1/2 LONG NIPPLE
BP L1 800 3	1/8X3 LONG NIPPLE
BP L1 800 B	1/8X3 1/2 LONG NIPPLE
BP L1 400 1	1/4X1 1/2 LONG NIPPLE
BP L1 400 2	1/4X2 LONG NIPPLE
BP L1 400 A	1/4X2 1/2 LONG NIPPLE
BP L1 400 3	1/4X3 LONG NIPPLE
BP L1 400 B	1/4X3 1/2 LONG NIPPLE
BP L1 400 4	1/4X4 LONG NIPPLE
BP L1 400 5	1/4X5 LONG NIPPLE
BP L1 400 6	1/4X6 LONG NIPPLE
BP L3 800 1	3/8X1 1/2 LONG NIPPLE
BP L3 800 2	3/8X2 LONG NIPPLE
BP L3 800 A	3/8X2 1/2 LONG NIPPLE
BP L3 800 3	3/8X3 LONG NIPPLE
BP L3 800 B	3/8X3 1/2 LONG NIPPLE
BP L3 800 4	3/8X4 LONG NIPPLE
BP L3 800 5	3/8X5 LONG NIPPLE
BP L3 800 6	3/8X6 LONG NIPPLE
BP L1 200 1	1/2X1 1/2 LONG NIPPLE
BP L1 200 2	1/2X2 LONG NIPPLE
BP L1 200 A	1/2X2 1/2 LONG NIPPLE
BP L1 200 3	1/2X3 LONG NIPPLE
BP L1 200 B	1/2X3 1/2 LONG NIPPLE
BP L1 200 4	1/2X4 LONG NIPPLE
BP L1 200 5	1/2X5 LONG NIPPLE
BP L1 200 6	1/2X6 LONG NIPPLE
BP L3 400 2	3/4X2 LONG NIPPLE
BP L3 400 3	3/4X3 LONG NIPPLE
BP L3 400 4	3/4X4 LONG NIPPLE
BP L3 400 5	3/4X5 LONG NIPPLE
BP L3 400 6	3/4X6 LONG NIPPLE

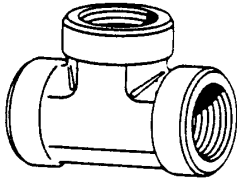
BLACK PIPE

COUPLINGS



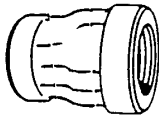
BP C1 800 0	1/8 COUPLING
BP C1 400 0	1/4 COUPLING
BP C3 800 0	3/8 COUPLING
BP C1 200 0	1/2 COUPLING
BP C3 400 0	3/4 COUPLING
BP C1 000 0	1" COUPLING

TEES



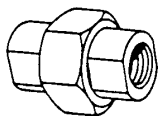
BP T1 800 0	1/8 TEE
BP T1 400 0	1/4 TEE
BP T3 800 0	3/8 TEE
BP T1 200 0	1/2 TEE
BP T3 400 0	3/4 TEE
BP T1 00 0	1" TEE

REDUCERS



BP R1 418 0	1/4X1/8 BELL REDUCER
BP R3 818 0	3/8X1/8 BELL REDUCER
BP R3 814 0	3/8X1/4 BELL REDUCER
BP R1 214 0	1/2X1/4 BELL REDUCER
BP R1 238 0	1/2X3/8 BELL REDUCER
BP R3 438 0	3/4X3/8 BELL REDUCER
BP R3 412 0	3/4X1/2 BELL REDUCER

UNIONS



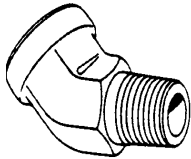
BP U1 800 0	1/8 UNIONS
BP U1 400 0	1/4 UNIONS
BP U3 800 0	3/8 UNIONS
BP U1 200 0	1/2 UNIONS
BP U3 400 0	3/4 UNIONS
BP U1 000 0	1" UNIONS

90° STREET



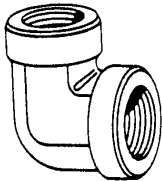
BP 91 800 0	1/8 90 STREET ELBOW
BP 91 400 0	1/4 90 STREET ELBOW
BP 93 800 0	3/8 90 STREET ELBOW
BP 91 200 0	1/2 90 STREET ELBOW
BP 93 400 0	3/4 90 STREET ELBOW
BP 91 000 0	1" 90 STREET ELBOW

45° STREET



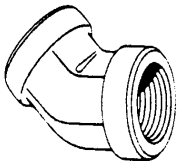
BP 51 800 0	1/8 45 STREET ELBOW
BP 51 400 0	1/4 45 STREET ELBOW
BP 53 800 0	3/8 45 STREET ELBOW
BP 51 200 0	1/2 45 STREET ELBOW
BP 53 400 0	3/4 45 STREET ELBOW
BP 51 000 0	1" 45 STREET ELBOW

90° ELBOW



BP E1 800 0	1/8 90 ELBOW
BP E1 400 0	1/4 90 ELBOW
BP E3 800 0	3/8 90 ELBOW
BP E1 200 0	1/2 90 ELBOW
BP E3 400 0	3/4 90 ELBOW
BP E1 000 0	1" 90 ELBOW

45° ELBOW



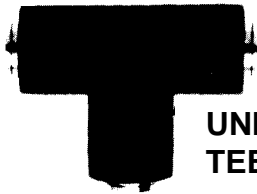
BP 41 800 0	1/8 45 ELBOW
BP 41 400 0	1/4 45 ELBOW
BP 43 800 0	3/8 45 ELBOW
BP 41 200 0	1/2 45 ELBOW
BP 43 400 0	3/4 45 ELBOW
BP 31 000 0	1" 45 ELBOW

Alpine Supply

We have Connections!

INSTANT FITTINGS

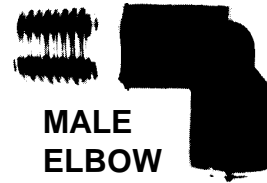
STANDARD FITTINGS & D.O.T. AIR BRAKE FITTINGS



UNION
TEE



UNION



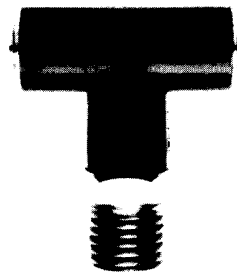
MALE
ELBOW



FEMALE
CONNECTOR



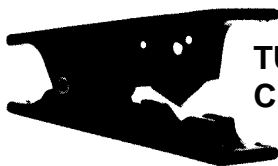
MALE
CONNECTOR



MALE RUN TEE



UNION
ELBOW



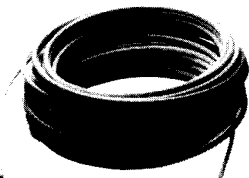
TUBE
CUTTER



REDUCERS



ADJUSTABLE
ELBOW



NYLON
TUBING



EXPANDERS

TUBE O.D. SIZES ADVAIALABLE- 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, AND 1.2
PIPE THREAD SIZES ADVAIALABLE- 1/8, 1/4, 3/8, 1/2, 10-32, AND 1/16



MALE CONNECTOR

<u>O.D. TUBE</u>	<u>C NPT</u>	<u>PART NUMBER</u>
1/8	1/16	LG 31 152 1
1/8	1/8	LG 31 152 2
1/8	1/4	LG 31 152 4
5/32	1/8	LG 31 159 2
5/32	1/4	LG 31 159 4
3/16	1/8	LG 31 153 2
3/16	1/4	LG 31 153 4
1/4	1/8	LG 31 154 2
1/4	1/4	LG 31 154 4
1/4	3/8	LG 31 154 6
5/16	1/8	LG 31 155 2
5/16	1/4	LG 31 155 4
5/16	3/8	LG 31 155 6
3/8	1/4	LG 31 156 4
3/8	3/8	LG 31 156 6
3/8	1/2	LG 31 156 8
1/2	1/4	LG 31 158 4
1/2	3/8	LG 31 158 6
1/2	1/2	LG 31 158 8



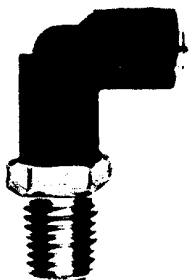
UNION

<u>O.D. TUBE</u>	<u>PART NUMBER</u>
1/8	LG 31 062 0
5/32	LG 31 069 0
3/16	LG 31 063 0
1/4	LG 31 064 0
5/16	LG 31 065 0
3/8	LG 31 066 0
1/2	LG 31 068 0



UNION TEE

<u>O.D. TUBE</u>	<u>PART NUMBER</u>
1/8	LG 31 042 0
5/32	LG 31 049 0
3/16	LG 31 043 0
1/4	LG 31 044 0
5/16	LG 31 045 0
3/8	LG 31 046 0
1/2	LG 31 048 0



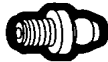
MALE ELBOW

<u>O.D. TUBE</u>	<u>C NPT</u>	<u>PART NUMBER</u>
1/8	1/16	LG 31 092 1
1/8	1/8	LG 31 092 2
1/8	1/4	LG 31 092 4
5/32	1/8	LG 31 099 2
5/32	1/4	LG 31 099 4
3/16	1/8	LG 31 093 2
1/4	1/8	LG 31 094 2
1/4	1/4	LG 31 094 4
1/4	3/8	LG 31 094 6
5/16	1/8	LG 31 095 2
5/16	1/4	LG 31 095 4
3/8	1/4	LG 31 096 4
3/8	3/8	LG 31 096 6
3/8	1/2	LG 31 096 8
1/2	1/4	LG 31 098 4
1/2	3/8	LG 31 098 6
1/2	1/2	LG 31 098 8

ZERKS

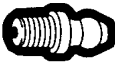
DRIVE

ZF D3 16S 0



3/16 STRAIGHT 37/64

ZF D1 40S 0



1/4 STRAIGHT 39/64

ZF D5 16S 0



5/16 STRAIGHT 9/16

ZF D3 80S 0



3/8 STRAIGHT 5/8

ZF D3 164 0



3/16 45 53/64

ZF D3 166 0



3/16 65 49/64

ZF D1 406 0



1/4 65 7/8

ZF D5 166 0



5/16 65 3/4

COUPLERS



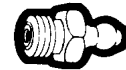
ZF RE COU P REG. COUPLER
1/8 FPT



ZF HV COU P HEAVY DUTY COUPLER
1/8 FPT

1/4 NPT

ZF 14 00S 0



STRAIGHT 59/64

ZF 14 005 0



67 1/2 1 1/16

5/16-24

ZF 56 24S 0



5/16-24 STRAIGHT 21/32

3/8-24

ZF 38 24S 0



3/8-24 STRAIGHT 21/32

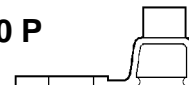
CAPS

ZF CA P00 0



PLASTIC CAP

ZF CA P00 P



PLASTIC CAP WITH
RETAINER

ZERKS

1/8 NPT

ZF 18 00S 0



STRAIGHT 11/16

ZF 18 00S M



STRAIGHT 1 1/4

ZF 18 00S L



STRAIGHT 1 3/4

ZF 18 009 0



90° ANGLE 13/16

ZF 18 004 0



45° ANGLE 1"

ZF 18 003 0



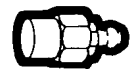
38° ANGLE 1 1/4

ZF 18 007 0



67° ANGLE 27/32

ZF 18 00F 0



FEMALE 1"

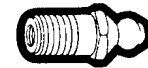
1/4-28 NPT

ZF 14 28S 0



STRAIGHT 17/32

ZF 14 28S M



STRAIGHT 45/64

ZF 14 28S L



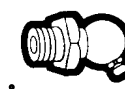
STRAIGHT 1 1/16

ZF 14 289 0



90° ANGLE 47/64

ZF14 284 0



45° ANGLE 7/8

ZF 14 28P 0



701 PLUG

METRIC

ZF M0 6AS T

6MM-1.0 STRAIGHT

ZF M0 8AS T

8MM-1.0 STRAIGHT

ZF M0 8BS T

8MM-1.25 STRAIGHT

ZF M1 0AS T

10MM-1.0 STRAIGHT

ZF M0 6A4 5

6MM-1.0 45 DEGREE

ZF M0 8A4 5

8MM-1.0 45 DEGREE

ZF M1 0A4 5

10MM-1.0 45 DEGREE

ZF M0 6A9 0

6MM-1.0 90 DEGREE

ZF M0 8A9 0

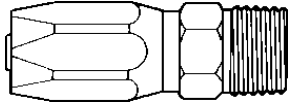
8MM-1.0 90 DEGREE

ZF M1 0A9 0

10MM-1.0 90 DEGREE

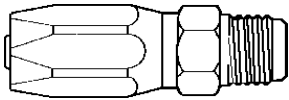
REUSABLE HOSE ENDS

MALE PIPE



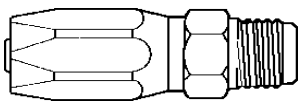
CATALOG NUMBER	HOSE I.D.	PIPE SIZE	THREAD SIZE
84 PM L04 2	3/16	1/8	1/8-27
84 PM L04 4	3/16	1/4	1/4-18
84 PM L05 4	1/4	1/4	1/4-18
84 PM L06 4	5/16	1/4	1/4-18
84 PM L06 6	5/16	3/8	3/8-18
84 PM L08 6	13/32	3/8	3/8-18
84 PM L08 8	13/32	1/2	1/2-14
84 PM L10 8	1/2	1/2	1/2-14
84 PM L10 B	1/2	3/4	3/4-14
84 PM L12 B	5/8	3/4	3/4-14

SAE 45 MALE RIGID



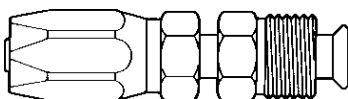
84 SM L04 4	3/16	1/4	1/16-20
84 SM L05 5	1/4	5/16	1/2-20
84 SM L06 6	5/16	3/8	5/8-18
84 SM L08 8	13/32	1/2	3/4-16
84 SM L10 A	1/2	5/8	7/8-14
84 SM L12 B	5/8	3/4	1-1/16-14

SAE 37 (JIC) MALE RIGID



84 JM L04 4	3/16	1/4	7/16-20
84 JM L05 5	1/4	5/16	1/2-20
84 JM L06 6	5/16	3/8	9/16-18
84 JM L08 8	13/32	1/2	3/4-16
84 JM L10 A	1/2	5/8	7/8-14
84 JM L12 B	5/8	3/4	1-1/16-12
84 JM L16 C	7/8	1	1-5/16-12

INVERTED MALE SWIVEL



84 1M L04 4	3/16	1/4	7/16-24
84 1M L05 5	1/4	5/16	1/2-20
84 1M L06 6	5/16	3/8	5/8-18
84 1M L08 8	13/32	1/2	3/4-18

REUSABLE HOSE ENDS

SAE 45 DEGREE FEMALE SWIVEL



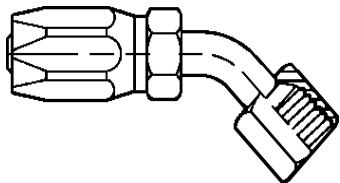
CATALOG NUMBER	HOSE I.D.	PIPE SIZE	THREAD SIZE
84 SF M06 4	5/16	1/4	7/16-20
84 SF M06 6	5/16	3/8	5/8-18
84 SF M06 8	5/16	1/2	3/4-16
84 SF M08 6	13/32	3/8	5/8-18
84 SF M08 8	13/32	1/2	3/4-16
84 SF M10 8	1/2	1/2	3/4-16
84 SF M10 A	1/2	5/8	7/8-14
84 SF M12 B	5/8	3/4	1-1/16-14

SAE 37 DEGREE(JIC) FEMALE SWIVEL



84 JF M04 4	3/16	1/4	7/16-20
84 JF M05 5	1/4	5/16	1/2-20
84 JF M06 6	5/16	3/8	9/16-18
84 JF M08 8	13/32	1/2	3/4-16
84 JF M10 A	1/2	5/8	7/8-14
84 JF M12 B	5/8	3/4	1-1/16-12
84 JF M16 C	7/8	1	1-5/16-12

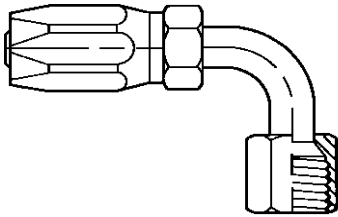
FEMALE SWIVEL 45 TUBE ELBOW



84 JF 404 4	3/16	1/4	7/16-20
84 JF 405 5	1/4	5/16	1/2-20
84 JF 406 4	5/16	1/4	7/16-20
84 SF 406 6	5/16	3/8	5/8-18 SAE
84 JF 406 6	5/16	3/8	9/16-18 JIC
84 JF 408 8	13/32	1/2	3/4-16
84 JF 410 A	1/2	5/8	7/8-14
84 SF 412 B	5/8	3/4	1-1/16-14 SAE
84 JF 412 B	5/8	3/4	1-1/16-12 JIC
84 JF 416 C	7/8	1	1-5/16-12

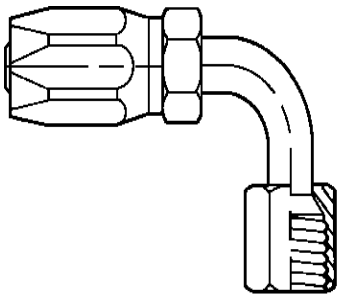
REUSABLE HOSE ENDS

FEMALE SWIVEL 90 TUBE ELBOW



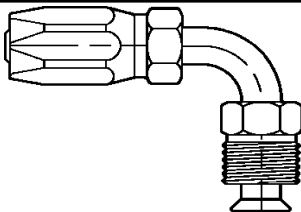
CATALOG NUMBER	HOSE I.D.	TUBE SIZE	THREAD SIZE
84 JF 904 4	3/16	1/4	7/16-20
84 JF 905 5	1/4	5/16	1/2-20
84 SF 906 6	5/16	3/8	5/8-18 SAE
84 JF 906 6	5/16	3/8	9/16-18 JIC
84 JF 908 8	13/32	1/2	3/4-16
84 JF 910 A	1/2	5/8	7/8-14
84 SF 912 B	5/8	3/4	1-1/16-14 SAE
84 JF 912 B	5/8	3/4	1-1/16-12 JIC
84 JF 916 C	7/8	1	1-5/16-12

FEMALE SWIVEL 90 TUBE ELBOW-LONG



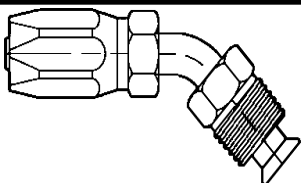
84 JF L04 4	3/16	1/4	7/16-20
84 JF L05 5	1/4	5/16	1/2-20
84 JF L06 4	5/16	1/4	7/16-20
84 SF L06 6	5/16	3/8	5/8-18 SAE
84 JF L06 6	5/16	3/8	9/16-18 JIC
84 JF L08 8	13/32	1/2	3/4-16
84 JF L10 A	1/2	5/8	7/8-14
84 SF L12 B	5/8	3/4	1-1/16-14 SAE
84 JF L12 B	5/8	3/4	1-1/16-12 JIC
84 JF L16 C	7/8	1	1-5/16-12

INVERTED MALE SWIVEL 90 TUBE ELBOW



84 1M 904 4	3/16	1/4	7/16-24
84 1M 905 5	1/4	5/16	1/2-20
84 1M 906 4	5/16	1/4	7/16-24
84 1M 906 5	5/16	5/16	1/2-20
84 1M 906 6	5/16	3/8	5/8-18

INVERTED MALE SWIVEL 45 TUBE ELBOW

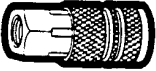
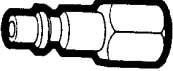

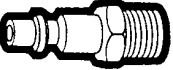


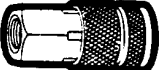






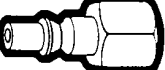
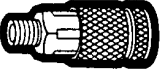







84 1M 405 5	1/4	5/16	1/2-20
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Alpine Supply

We have Connections!

QUICK COUPLERS

	<u>PART NUMBER</u>	<u>FLOW I.D.</u>	<u>PIPE THREAD</u>		<u>PART NUMBER</u>	<u>FLOW I.D.</u>	<u>PIPE THREAD</u>
	87 MB FM4 4	1/4	1/4 FPT		87 MP FM4 4	1/4	1/4 FPT
	87 MB ML4 4	1/4	1/4 MPT		87 MP ML4 4	1/4	1/4 MPT
	87 TB FM4 4	1/4	1/4 FPT		87 TP FM4 4	1/4	1/4 FPT
	87 PB FM6 6	3/8	3/8 FPT		87 PP FM6 6	3/8	3/8 FPT
	87 TB ML4 4	1/4	1/4 MPT		87 TP ML4 4	1/4	1/4 MPT
	87 PB ML6 6	3/8	3/8 MPT		87 PP ML6 6	3/8	3/8 MPT
	87 AB FM4 4	1/4	1/4 FPT		87 AP FM4 4	1/4	1/4 FPT
	87 AB ML4 4	1/4	1/4 MPT		87 AP ML4 4	1/4	1/4 MPT
	87 HB FM6 6	3/8	3/8 FPT		87 HP FM6 6	3/8	3/8 FPT
	87 HB ML6 6	3/8	3/8 MPT		87 HP ML6 6	3/8	3/8 MPT

87 SERIES ARE BRASS
88 SERIES ARE STEEL

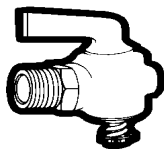
VALVES

EXTERNAL SEAT



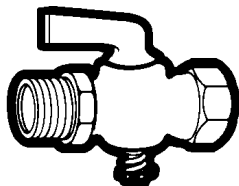
<u>PART NUMBER</u>	<u>PIPE THREAD</u>
82 18 012 0	1/8
82 18 014 0	1/4
82 18 016 0	3/8
82 18 018 0	1/2

GROUND SEAT DRAIN COCK



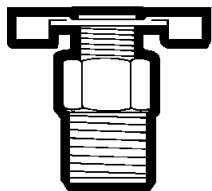
<u>PART NUMBER</u>	<u>PIPE THREAD</u>
82 18 402 0	1/8
82 18 404 0	1/4
82 18 406 0	3/8
82 18 408 0	1/2

GROUND SEAT DRAIN COCK MALE TO FEMALE PIPE



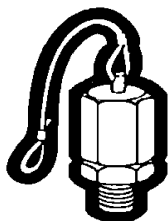
<u>PART NUMBER</u>	<u>PIPE THREAD</u>
82 18 802 0	1/8
82 18 804 0	1/4
82 18 806 0	3/8

INTERNAL SEAT



<u>PART NUMBER</u>	<u>PIPE THREAD</u>
82 18 082 0	1/8
82 18 084 0	1/4
82 18 086 0	3/8

AIR TANK DRAIN VALVE



<u>PART NUMBER</u>	<u>PIPE THREAD</u>
82 18 844 0	1/4

BRAKE LINE



BK WS 308 0	3/16X8" HYDRAULIC BRAKE LINE
BK WS 312 0	3/16X12" HYDRAULIC BRAKE LINE
BK WS 320 0	3/16X20" HYDRAULIC BRAKE LINE
BK WS 330 0	3/16X30" HYDRAULIC BRAKE LINE
BK WS 340 0	3/16X40" HYDRAULIC BRAKE LINE
BK WS 351 0	3/16X51" HYDRAULIC BRAKE LINE
BK WS 360 0	3/16X60" HYDRAULIC BRAKE LINE
BK WS 372 0	3/16X72" HYDRAULIC BRAKE LINE

BK WS 408 0	1/4X8" HYDRAULIC BRAKE LINE
BK WS 412 0	1/4X12" HYDRAULIC BRAKE LINE
BK WS 420 0	1/4X20" HYDRAULIC BRAKE LINE
BK WS 430 0	1/4X30" HYDRAULIC BRAKE LINE
BK WS 440 0	1/4X40" HYDRAULIC BRAKE LINE
BK WS 451 0	1/4X51" HYDRAULIC BRAKE LINE
BK WS 460 0	1/4X60" HYDRAULIC BRAKE LINE
BK WS 472 0	1/4X72" HYDRAULIC BRAKE LINE

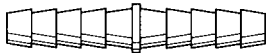
BK WS 508 0	5/16X8" HYDRAULIC BRAKE LINE
BK WS 512 0	5/16X12" HYDRAULIC BRAKE LINE
BK WS 520 0	5/16X20" HYDRAULIC BRAKE LINE
BK WS 530 0	5/16X30" HYDRAULIC BRAKE LINE
BK WS 540 0	5/16X40" HYDRAULIC BRAKE LINE
BK WS 551 0	5/16X51" HYDRAULIC BRAKE LINE
BK WS 560 0	5/16X60" HYDRAULIC BRAKE LINE
BK WS 572 0	5/16X72" HYDRAULIC BRAKE LINE

BK WS 608 0	3/8X8" HYDRAULIC BRAKE LINE
BK WS 612 0	3/8X12" HYDRAULIC BRAKE LINE
BK WS 620 0	3/8X20" HYDRAULIC BRAKE LINE
BK WS 630 0	3/8X30" HYDRAULIC BRAKE LINE
BK WS 640 0	3/8X40" HYDRAULIC BRAKE LINE
BK WS 651 0	3/8X51" HYDRAULIC BRAKE LINE
BK WS 660 0	3/8X60" HYDRAULIC BRAKE LINE
BK WS 672 0	3/8X72" HYDRAULIC BRAKE LINE

BARB FITTINGS

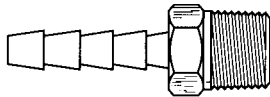
HOSE BARB

UNION



80 BU N03 0	UNION 3/16
80 BU N04 0	UNION 1/4
80 BU N06 0	UNION 3/8
80 BU N08 0	UNION 1/2
80 BU N0A 0	UNION 5/8
80 BU N0B 0	UNION 3/4

MALE

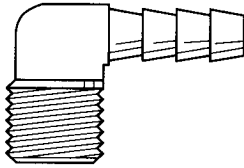


80 BM AL 2 2	MALE 1/8X1/8
80 BM AL 3 2	MALE 3/16X1/8
80 BM AL3 4	MALE 3/16X1/4
80 BM AL4 2	MALE 1/4X1/8
80 BM AL4 4	MALE 1/4X1/4
80 BM AL4 6	MALE 1/4X3/8
80 BM AL4 8	MALE 1/4X1/2
80 BM AL5 2	MALE 5/16X1/8
80 BM AL5 4	MALE 5/16X1/4
80 BM AL5 6	MALE 5/16X3/8
80 BM AL6 2	MALE 3/8X1/8
80 BM AL6 4	MALE 3/8X1/4
80 BM AL6 6	MALE 3/8X3/8
80 BM AL6 8	MALE 3/8X1/2
80 BM AL8 4	MALE 1/2X1/4
80 BM AL8 6	MALE 1/2X3/8
80 BM AL8 8	MALE 1/2X1/2
80 BM AL8 B	MALE 1/2X3/4
80 BM ALA 6	MALE 5/8X3/8
80 BM ALA 8	MALE 5/8X1/2
80 BM ALA B	MALE 5/8X3/4
80 BM ALB 8	MALE 3/4X1/2
80 BM ALB B	MALE 3/4X3/4

BARB FITTINGS

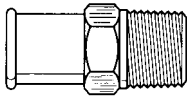
HOSE BARB

MALE 90 DEGREE



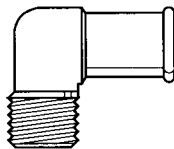
80 BM 904 2	MALE 90 1/4X1/8
80 BM 904 4	MALE 90 1/4X1/4
80 BM 905 2	MALE 90 5/16X1/8
80 BM 905 4	MALE 90 5/16X1/4
80 BM 906 2	MALE 90 3/8X1/8
80 BM 906 4	MALE 90 3/8X1/4
80 BM 906 6	MALE 90 3/8X3/8
80 BM 906 8	MALE 90 3/8X1/2
80 BM 908 4	MALE 90 1/2X1/4
80 BM 908 6	MALE 90 1/2X3/8
80 BM 90A 6	MALE 90 5/8X3/8
80 BM 90A 8	MALE 90 5/8X1/2

HEATER HOSE



8F BM AL8 6	MALE 1/2X3/8
8F BM ALA 4	MALE 5/8X1/4
8F BM ALA 6	MALE 5/8X3/8
8F BM ALA 8	MALE 5/8X1/2
8F BM ALB 6	MALE 3/4X3/8
8F BM ALB 8	MALE 3/4X1/2

90 DEGREE



8F BM 90A 6	MALE 90 5/8X3/8
8F BM 90A 8	MALE 90 5/8X1/2
8F BM 90B 6	MALE 90 3/4X3/8
8F BM 90B 8	MALE 90 3/4X1/2

Alpine Supply

We have Connections!

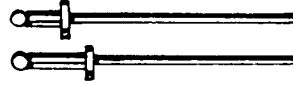
Alpine Supply

We have Connections!

RIVETS (ACTUAL SIZE)

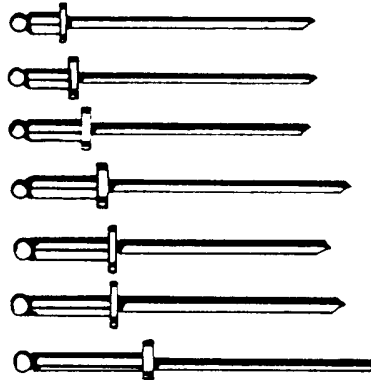
3/32" DIAMETER

32
34



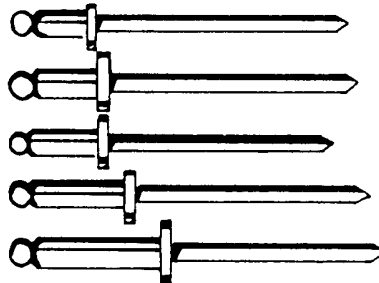
1/8" DIAMETER

41
42
43
44
45
46
48



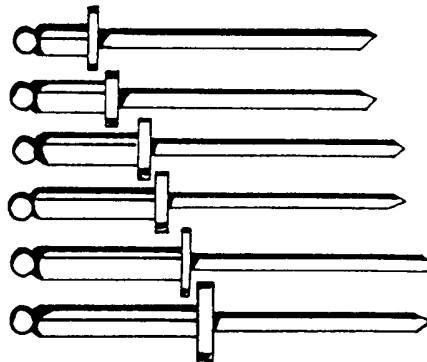
5/32" DIAMETER

52
53
54
56
58



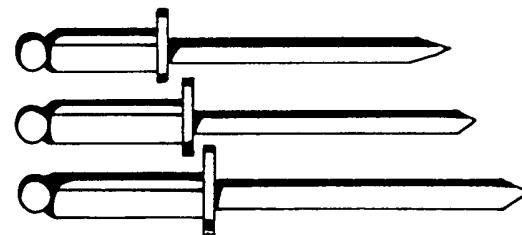
3/16" DIAMETER

62
64
66
68
610
612



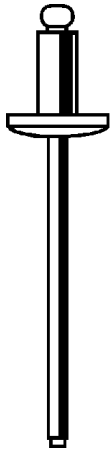
1/4" DIAMETER

86
88
810



RIVETS

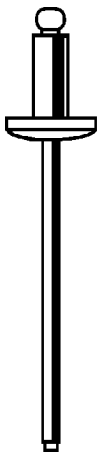
RIVET BODY-STEEL MANDREL-STEEL DOME HEAD



<u>PART NUMBER</u>	<u>RIVET DIAMETER</u>	<u>DRILL SIZE</u>	<u>GRIP RANGE</u>
R1 P3 2SS D	3/32	#41	1/64-1/8
R1 P3 4SS D	3/32	#41	1/8-1/4
R1 P4 2SS D	1/8	#30	1/16-1/8
R1 P4 3SS D	1/8	#30	1/8-3/16
R1 P4 4SS D	1/8	#30	3/16-1/4
R1 P4 5SS D	1/8	#30	1/4-5/16
R1 P4 6SS D	1/8	#30	5/16-3/8
R1 P4 8SS D	1/8	#30	3/8-1/2
R1 P5 2SS D	5/32	#20	1/64-1/8
R1 P5 4SS D	5/32	#20	3/16-1/4
R1 P5 6SS D	5/32	#20	1/4-3/8
R1 P6 2SS D	3/16	#11	1/64-1/8
R1 P6 4SS D	3/16	#11	1/8-1/4
R1 P6 6SS D	3/16	#11	1/4-3/8
R1 P6 8SS D	3/16	#11	3/8-1/2
R1 P7 0SS D	3/16	#11	1/2-5/8
R1 P7 2SS D	3/16	#11	5/8-3/4
R1 P8 4SS D	1/4	#F	1/64-1/4
R1 P8 6SS D	1/4	#F	1/4-3/8
R1 P8 8SS D	1/4	#F	3/8-1/2
R1 P9 0SS D	1/4	#F	1/2-5/8
R1 P9 2SS D	1/4	#F	5/8-3/4
R1 P9 6SS D	1/4	#F	7/8-1

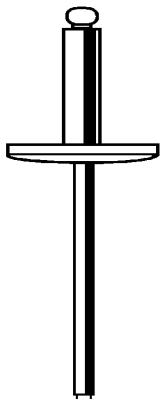
RIVETS

RIVET BODY-ALUMINUM MANDREL-ALUMINUM DOME HEADRIVET



<u>PART NUMBER</u>	<u>RIVET DIAMETER</u>	<u>DRILL SIZE</u>	<u>GRIP RANGE</u>
R1 P3 2AA D	3/32	#41	1/64-1/8
R1 P3 4AA D	3/32	#41	1/8-1/4
R1 P4 2AA D	1/8	#30	1/16-1/8
R1 P4 3AA D	1/8	#30	1/8-3/16
R1 P4 4AA D	1/8	#30	3/16-1/4
R1 P4 5AA D	1/8	#30	1/4-5/16
R1 P4 6AA D	1/8	#30	5/16-3/8
R1 P4 8AA D	1/8	#30	3/8-1/2
R1 P5 2AA D	5/32	#20	1/64-1/8
R1 P5 4AA D	5/32	#20	3/16-1/4
R1 P5 6AA D	5/32	#20	1/4-3/8
R1 P6 2AA D	3/16	#11	1/64-1/8
R1 P6 4AA D	3/16	#11	1/8-1/4
R1 P6 6AA D	3/16	#11	1/4-3/8
R1 P6 8AA D	3/16	#11	3/8-1/2
R1 P7 0AA D	3/16	#11	1/2-5/8
R1 P7 2AA D	3/16	#11	5/8-3/4
R1 P8 4AA D	1/4	#F	1/64-1/4
R1 P8 6AA D	1/4	#F	1/4-3/8
R1 P8 8AA D	1/4	#F	3/8-1/2
R1 P9 0AA D	1/4	#F	1/2-5/8
R1 P9 2AA D	1/4	#F	5/8-3/4
R1 P9 6AA D	1/4	#F	7/8-1

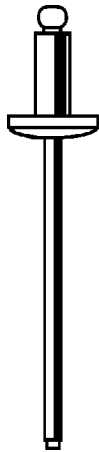
RIVET BODY-ALUMINUM MANDREL-ALUMINUM LARGE FLANGE HEAD RIVET



R1 P4 2AA L	1/8	#30	1/64-1/8
R1 P4 4AA L	1/8	#30	1/8-1/4
R1 P4 6AA L	1/8	#30	5/16-3/8
R1 P6 4AA L	3/16	#11	1/64-1/4
R1 P6 6AA L	3/16	#11	1/4-3/8
R1 P6 8AA L	3/16	#11	3/8-1/2
R1 P7 0AA L	3/16	#11	1/2-5/8
R1 P7 2AA L	3/16	#11	5/8-3/4
R1 P7 6AA L	3/16	#11	7/8-1
R1 P7 8AA L	3/16	#11	1-1 1/8

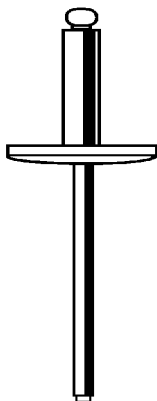
RIVETS

RIVET BODY-ALUMINUM MANDREL-STEEL DOME HEADRIVET



<u>PART NUMBER</u>	<u>RIVET DIAMETER</u>	<u>DRILL SIZE</u>	<u>GRIP RANGE</u>
R1 P3 2AS D	3/32	#41	1/64-1/8
R1 P3 4AS D	3/32	#41	1/8-1/4
R1 P4 2AS D	1/8	#30	1/16-1/8
R1 P4 3AS D	1/8	#30	1/8-3/16
R1 P4 4AS D	1/8	#30	3/16-1/4
R1 P4 5AS D	1/8	#30	1/4-5/16
R1 P4 6AS D	1/8	#30	5/16-3/8
R1 P4 8AS D	1/8	#30	3/8-1/2
R1 P5 2AS D	5/32	#20	1/64-1/8
R1 P5 4AS D	5/32	#20	3/16-1/4
R1 P5 6AS D	5/32	#20	1/4-3/8
R1 P6 2AS D	3/16	#11	1/64-1/8
R1 P6 4AS D	3/16	#11	1/8-1/4
R1 P6 6AS D	3/16	#11	1/4-3/8
R1 P6 8AS D	3/16	#11	3/8-1/2
R1 P7 0AS D	3/16	#11	1/2-5/8
R1 P7 2AS D	3/16	#11	5/8-3/4
R1 P8 4AS D	1/4	#F	1/64-1/4
R1 P8 6AS D	1/4	#F	1/4-3/8
R1 P8 8AS D	1/4	#F	3/8-1/2
R1 P9 0AS D	1/4	#F	1/2-5/8
R1 P9 2AS D	1/4	#F	5/8-3/4
R1 P9 6AS D	1/4	#F	7/8-1

RIVET BODY-ALUMINUM MANDREL-STEEL LARGE FLANGE HEAD RIVET



R1 P4 2AS L	1/8	#30	1/64-1/8
R1 P4 4AS L	1/8	#30	1/8-1/4
R1 P4 6AS L	1/8	#30	5/16-3/8
R1 P6 4AS L	3/16	#11	1/64-1/4
R1 P6 6AS L	3/16	#11	1/4-3/8
R1 P6 8AS L	3/16	#11	3/8-1/2
R1 P7 0AS L	3/16	#11	1/2-5/8
R1 P7 2AS L	3/16	#11	5/8-3/4
R1 P7 6AS L	3/16	#11	7/8-1
R1 P7 8AS L	3/16	#11	1-1 1/8

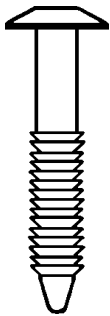
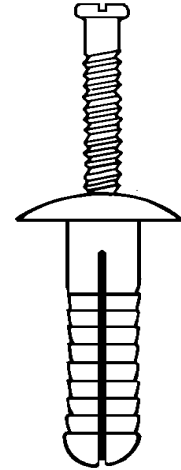
NYLON DRIVE RIVETS

PART NUMBER

R1 N4 N07 T
R1 N4 N10 T
R1 N4 N15 T
R1 N4 N20 T
R1 N4 N30 T

DESCRIPTION

1/4"X3/4" TRUSS HEAD
1/4"X1" TRUSS HEAD
1/4"X1 1/2" TRUSS HEAD
1/4"X2" TRUSS HEAD
1/4"X3" TRUSS HEAD



PART NUMBER

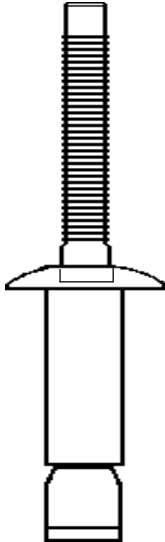
R1 N4 U07 T
R1 N4 U10 T
R1 N4 U15 T
R1 N4 U20 T

DESCRIPTION

1/4"X3/4" UNI-TAP
1/4"X1" UNI-TAP
1/4"X1 5/8" UNI-TAP
1/4"X2" UNI-TAP

MONOBOLTS

ALUMINUM MONOBOLTS

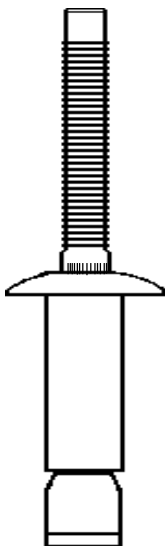


<u>PART #</u>	<u>DIAMETER</u>	<u>GRIP</u>
R1 M3 EAA B	3/16	.062/.270
R1 M3 KAA B	3/16	.064/.437
R1 M4 HAA B	1/4	.080/.375
R1 M4 OAA B	1/4	.375/.625

STEEL MONOBOLTS

<u>PART #</u>	<u>DIAMETER</u>	<u>GRIP</u>
R1 M3 ESS B	3/16	.062/.270
R1 M3 KSS B	3/16	.064/.437
R1 M4 HSS B	1/4	.080/.375
R1 M4 OSS B	1/4	.375/.625

ALUMINUM INTERLOCKS



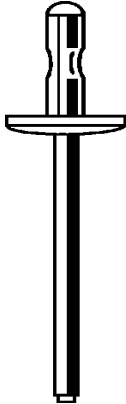
<u>PART #</u>	<u>DIAMETER</u>	<u>GRIP</u>
R1 13 EAA B	3/16	.062/.270
R1 13 KAA B	3/16	.214/.437
R1 13 OAA B	3/16	.375/.625
R1 14 HAA B	1/4	.080/.375
R1 14 OAA B	1/4	.350/.625

STEEL INTERLOCKS

<u>PART #</u>	<u>DIAMETER</u>	<u>GRIP</u>
R1 13 ESS B	3/16	.062/.270
R1 13 KSS B	3/16	.214/.437
R1 13 OSS B	3/16	.375/.625
R1 14 HSS B	1/4	.080/.375
R1 14 OSS B	1/4	.375/.625

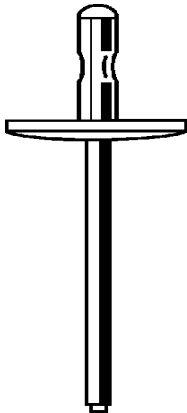
MULIT GRIP RIVETS

RIVET BODY-ALUMINUM MANDREL-STEEL BUTTON HEAD RIVET



<u>PART NUMBER</u>	<u>RIVET DIAMETER</u>	<u>DRILL SIZE</u>	<u>GRIP RANGE</u>
R1 A4 3AS D	1/8	#30	1/32-3/16
R1 A4 4AS D	1/8	#30	1/16-1/4
R1 A4 5AS D	1/8	#30	5/32-5/16
R1 A5 4AS D	5/32	#20	1/16-1/4
R1 A5 6AS D	5/32	#20	5/32-3/8
R1 A5 8AS D	5/32	#20	1/4-1/2
R1 A6 4AS D	3/16	#11	1/16-1/4
R1 A6 8AS D	3/16	#11	3/16-7/16
R1 A7 0AS D	3/16	#11	1/4-1/2
R1 A7 2AS D	3/16	#11	1/2-25/32

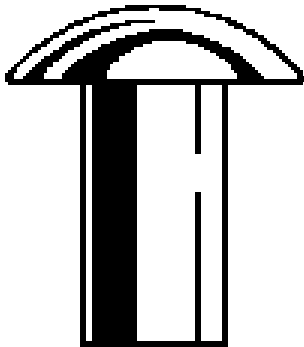
RIVET BODY-ALUMINUM MANDREL-STEEL LARGE FLANGE HEAD RIVET



R1 A4 4AS L	1/8	#30	1/16-1/4
R1 A6 4AS L	3/16	#11	1/16-1/4
R1 A6 8AS L	3/16	#11	1/4-1/2
R1 A7 2AS L	3/16	#11	1/2-25/32

SOLID RIVITS

SOLID ALUMINUM RIVITS



SOFT

R1 B3 DAA B 3/16X1/4 BRAZIER HEAD
R1 B3 KAA B 3/16X7/16 BRAZIER HEAD
R1 B3 OAA B 3/16X5/8 BRAZIER HEAD
R1 B3 RAA B 3/16X3/4 BRAZIER HEAD
R1 B3 SAA B 3/16X1 BRAZIER HEAD

R1 B4 HAA B 1/4X3/8 BRAZIER HEAD
R1 B4 MAA B 1/4X1/2 BRAZIER HEAD
R1 B4 OAA B 1/4X5/8 BRAZIER HEAD
R1 B4 RAA B 1/4X3/4 BRAZIER HEAD
R1 B4 SAA B 1/4X1 BRAZIER HEAD

HARD

R1 H3 DAA B 3/16X1/4 BRAZIER HEAD
R1 H3 HAA B 3/16X3/8 BRAZIER HEAD
R1 H3 MAA B 3/16X1/2 BRAZIER HEAD
R1 H3 OAA B 3/16X5/8 BRAZIER HEAD
R1 H3 RAA B 3/16X3/4 BRAZIER HEAD
R1 H3 SAA B 3/16X1" BRAZIER HEAD

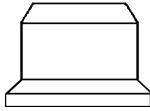
R1 H4 DAA B 1/4X1/4 BRAZIER HEAD
R1 H4 HAA B 1/4X3/8 BRAZIER HEAD
R1 H4 MAA B 1/4X1/2 BRAZIER HEAD
R1 H4 OAA B 1/4X5/8 BRAZIER HEAD
R1 H4 RAA B 1/4X3/4 BRAZIER HEAD
R1 H4 SAA B 1/4X1" BRAZIER HEAD

R1 H3 DAA M 3/16X1/4 MODIFIED BRAZIER HEAD
R1 H3 HAA M 3/16X3/8 MODIFIED BRAZIER HEAD
R1 H3 MAA M 3/16X1/2 MODIFIED BRAZIER HEAD
R1 H3 OAA M 3/16X5/8 MODIFIED BRAZIER HEAD
R1 H3 RAA M 3/16X3/4 MODIFIED BRAZIER HEAD
R1 H3 SAA M 3/16X1" MODIFIED BRAZIER HEAD

R1 H4 DAA M 1/4X1/4 MODIFIED BRAZIER HEAD
R1 H4 HAA M 1/4X3/8 MODIFIED BRAZIER HEAD
R1 H4 MAA M 1/4X1/2 MODIFIED BRAZIER HEAD
R1 H4 OAA M 1/4X5/8 MODIFIED BRAZIER HEAD
R1 H4 RAA M 1/4X3/4 MODIFIED BRAZIER HEAD
R1 H4 SAA M 1/4X1" MODIFIED BRAZIER HEAD

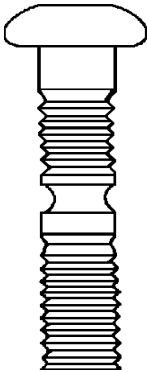
HUCK BOLTS

3LC COLLARS



<u>PART #</u>	<u>DESCRIPTION</u>
H6 3A CP0 0	1/4" ALUM FLANGE COLLAR
H6 3A E00 0	3/8" ALUM FLANGE COLLAR
H6 3S EP0 0	3/8" STEEL FLANGE COLLAR
H6 3S JP0 0	5/8" STEEL FLANGE COLLAR

C6LB BRAZIER



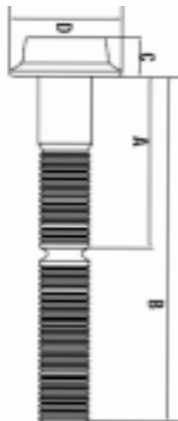
<u>PART #</u>	<u>DESCRIPTION</u>
H3 AC 06P B	1/4" DIA. 5/16-7/16 GRIP ALUM BRAZIER HEAD
H3 AE 080 B	3/8" DIA. 3/8-5/8 GRIP ALUM BRAZIER HEAD
H3 SE 06P B	3/8" DIA. 1/4-1/2 GRIP STEEL BRAZIER HEAD
H3 SE 08P B	3/8" DIA. 3/8-5/8 GRIP STEEL BRAZIER HEAD
H3 SE 10P B	3/8" DIA. 1/2-3/4 GRIP STEEL BRAZIER HEAD
H3 SE 12P B	3/8" DIA. 5/8-7/8 GRIP STEEL BRAZIER HEAD

HP8 COLLARS



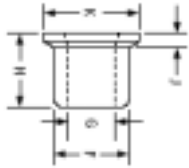
<u>PART #</u>	<u>DESCRIPTION</u>
H6 5S GP0 0	1/2" COLLAR
H6 5S JP0 0	5/8" COLLAR
H6 5S JPG 0	5/8" COLLAR
H6 5S KP0 0	3/4" COLLAR

HP8 POWERBOLT



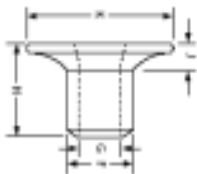
<u>PART #</u>	<u>DESCRIPTION</u>
H4 SG 120 F	1/2" DIA 1/2"-1" GRIP ROUND HEAD
H4 SJ 080 F	5/8" DIA 1/4"-3/4" GRIP ROUND HEAD
H4 SJ 120 F	5/8" DIA 1/2"-1" GRIP ROUND HEAD
H4 SJ 160 F	5/8" DIA 3/4"-1 1/4" GRIP ROUND HEAD
H4 SJ 200 F	5/8" DIA 1"-1 1/2" GRIP ROUND HEAD
H4 SJ 280 F	5/8" DIA 1 1/2"-2" GRIP ROUND HEAD
H4 SK 160 F	3/4" DIA 3/4"-1 1/4" GRIP ROUND HEAD
H4 SK 200 F	3/4" DIA 1"-1 1/2" GRIP ROUND HEAD

MAGNA-GRIP COLLAR



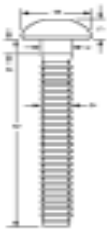
<u>PART #</u>	<u>DESCRIPTION</u>
H6 1A A00 0	3/16" ALUM. COLLAR
H6 1S AP0 0	3/16" STEEL COLLAR
H6 1S CP0 0	1/4" STEEL COLLAR
H6 1S EP0 0	3/8" STEEL COLLAR

MAGNA-GRIP WIDE FLANGE COLLAR



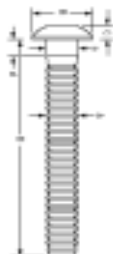
<u>PART #</u>	<u>DESCRIPTION</u>
H6 2S AP0 0	3/16" STEEL COLLAR
H6 2S CP0 0	1/4" STEEL COLLAR

MAGNA-GRIP BUTTON HEAD



<u>PART #</u>	<u>DESCRIPTION</u>
H1 AA 100 B	3/16" DIA. 1/16-5/8 GRIP ALUM BUTTON HEAD
H1 SA 10P B	3/16" DIA. 1/16-5/8 GRIP STEEL BUTTON HEAD

MAGNA-GRIP TRUSS HEAD



<u>PART #</u>	<u>DESCRIPTION</u>
H1 SC 10P T	1/4" DIA. 1/16-5/8 GRIP RANGE TRUSS HEAD
H1 SC 20P T	1/4" DIA. 5/16-1 1/4 GRIP RANGE TRUSS HEAD
H1 SE 14P T	3/8" DIA. 1/8-7/8 GRIP RANGE TRUSS HEAD
H1 SE 24P T	3/8" DIA. 13/16-1 5/8 GRIP RANGE TRUSS HEAD

Alpine Supply

We have Connections!

E-RINGS

(ACTUAL SIZE)



5/64

R2 ER 564 0



3/32

R2 ER 332 0



1/8

R2 ER 180 0



5/32

R2 ER 532 0



3/16

R2 ER 316 0



7/32

R2 ER 732 0



1/4

R2 ER 140 0



5/16

R2 ER 516 0



3/8

R2 ER 380 0



7/16

R2 ER 716 0



1/2

R2 ER 120 0



9/16

R2 ER 916 0



5/8

R2 ER 580 0



3/4

R2 ER 340 0



7/8

R2 ER 780 0



1"

R2 ER 100 0

RETAINING RINGS

(ACTUAL SIZE)

EXTERNAL



1/4

R2 XR 140 0



5/16

R2 XR 516 0



3/8

R2 XR 380 0



7/16

R2 XR 716 0



1/2

R2 XR 120 0



9/16

R2 XR 916 0



5/8

R2 XR 580 0



11/16

R2 XR 111 6



3/4

R2 XR 340 0



7/8

R2 XR 780 0



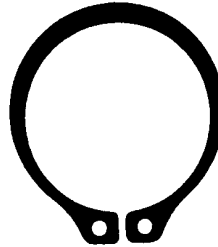
15/16

R2 XR 151 6



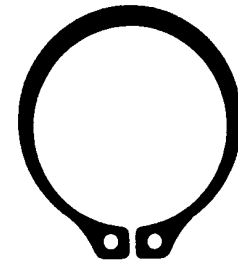
1"

R2 XR 100 0



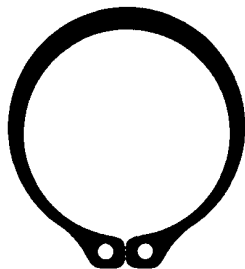
1 1/16

R2 XR X11 6



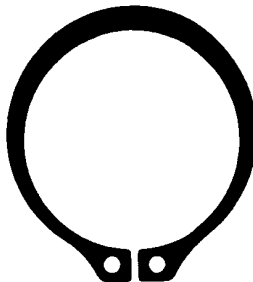
1 1/8

R2 XR 118 0



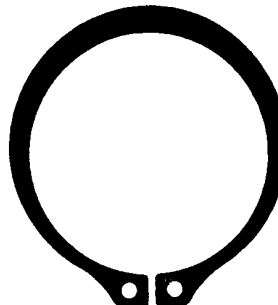
1 3/16

R2 XR 131 6



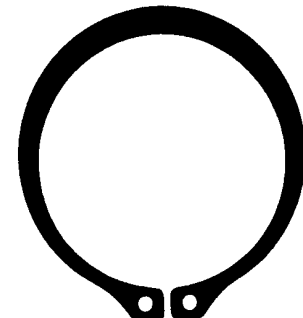
1 1/4

R2 XR 114 0



1 3/8

R2 XR 138 0



1 7/16

R2 XR 171 6

RETAINING RINGS

(ACTUAL SIZE)

INTERNAL



1/4

R2 1R 140 0



5/16

R2 1R 516 0



3/8

R2 1R 380 0



7/16

R2 1R 716 0



1/2

R2 1R 120 0



9/16

R2 1R 916 0



5/8

R2 1R 580 0



11/16

R2 1R 111 6



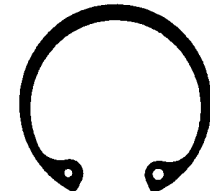
3/4

R2 1R 340 0



7/8

R2 1R 780 0



15/16

R2 1R 151 6



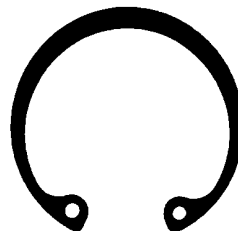
1"

R2 1R 100 0



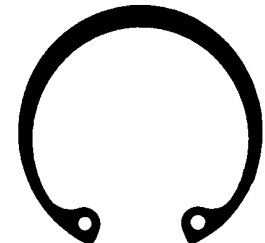
1 1/16

R2 1R X11 6



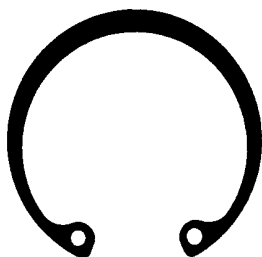
1 1/8

R2 1R 118 0



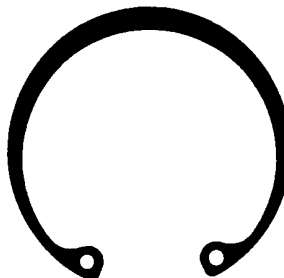
1 3/16

R2 1R 131 6



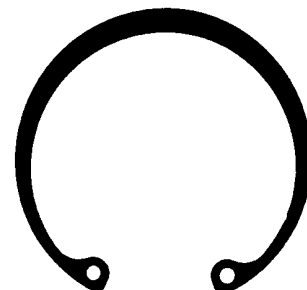
1 1/4

R2 1R 114 0



1 3/8

R2 1R 138 0



1 7/16

R2 1R 171 6

RETAINING RINGS



EXTERNAL RETAINING RINGS

<u>PART NUMBER</u>	<u>SHAFT DIAMETER</u>	<u>GROOVE DIAMETER</u>	<u>GROOVE WIDTH</u>
R2 XR 180 0	1/8	.117	.012
R2 XR 140 0	1/4	.230	.029
R2 XR 932 0	9/32	.261	.029
R2 XR 516 0	5/16	.290	.029
R2 XR 113 2	11/32	.321	.029
R2 XR 380 0	3/8	.352	.029
R2 XR 133 2	13/32	.382	.029
R2 XR 716 0	7/16	.412	.029
R2 XR 120 0	1/2	.468	.039
R2 XR 916 0	9/16	.530	.039
R2 XR 193 2	19/32	.559	.039
R2 XR 580 0	5/8	.558	.039
R2 XR 111 6	11/16	.646	.046
R2 XR 340 0	3/4	.704	.046
R2 XR 131 6	13/16	.762	.046
R2 XR 780 0	7/8	.821	.046
R2 XR 151 6	15/16	.882	.046
R2 XR 100 0	1	.940	.046
R2 XR 111 6	1 1/16	.998	.056
R2 XR 111 8	1 1/8	1.059	.056
R2 XR 131 6	1 3/16	1.118	.056
R2 XR 114 0	1 1/4	1.176	.056
R2 XR 112 0	1 1/2	1.406	.056
R2 XR 134 0	1 3/4	1.650	.068
R2 XR 200 0	2	1.886	.068
R2 XR 214 0	2 1/4	2.120	.068
R2 XR 212 0	2 1/2	2.360	.068



E-TYPE RETAINING RINGS

<u>PART NUMBER</u>	<u>SHAFT DIAMETER</u>	<u>GROOVE DIAMETER</u>	<u>GROOVE WIDTH</u>
R2 ER 116 0	1/16	.052	.012
R2 ER 332 0	3/32	.074	.018
R2 ER 180 0	1/8	.095	.018
R2 ER 964 0	9/64	.105	.029
R2 ER 532 0	5/32	.116	.029
R2 ER 116 4	11/64	.127	.029
R2 ER 316 0	3/16	.147	.029
R2 ER 732 0	7/32	.188	.029
R2 ER 140 0	1/4	.210	.029
R2 ER 516 0	5/16	.250	.029
R2 ER 380 0	3/8	.303	.039
R2 ER 716 0	7/16	.343	.039
R2 ER 120 0	1/2	.396	.046
R2 ER 580 0	5/8	.485	.046
R2 ER 340 0	3/4	.625	.056
R2 ER 780 0	7/8	.675	.056
R2 ER 100 0	1	.835	.056
R2 ER 131 6	1 3/16	1.079	.068
R2 ER 138 0	1 3/8	1.230	.068

Alpine Supply

We have Connections!

RETAINING RINGS



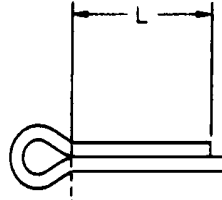
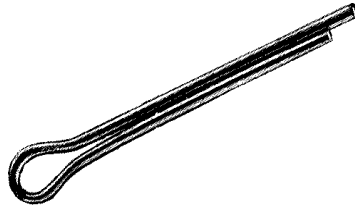
INTERNAL RETAINING RINGS

<u>PART NUMBER</u>	<u>HOUSING DIAMETER</u>	<u>GROOVE DIAMETER</u>	<u>GROOVE WIDTH</u>
R2 1R 140 0	1/4	.268	.018
R2 1R 516 0	5/16	.330	.018
R2 1R 380 0	3/8	.397	.029
R2 1R 716 0	7/16	.461	.029
R2 1R 120 0	1/2	.530	.039
R2 1R 916 0	9/16	.596	.039
R2 1R 580 0	5/8	.665	.039
R2 1R 340 0	3/4	.796	.039
R2 1R 780 0	7/8	.931	.046
R2 1R 100 0	1	1.066	.046
R2 1R 111 8	1 1/8	1.197	.056
R2 1R 114 0	1 1/4	1.330	.056

Alpine Supply

We have Connections!

COTTER PINS



RT C1 105 0	1/16X1/2	RT C5 307 5	5/32X3/4
RT C1 107 5	1/16X3/4	RT C5 310 0	5/32X1
RT C1 110 0	1/16X1	RT C5 312 5	5/32X1 1/4
RT C1 112 5	1/16X1 1/4	RT C5 315 0	5/32X1 1/2
RT C1 115 0	1/16X1 1/2	RT C5 317 5	5/32X1 3/4
RT C1 120 0	1/16X2	RT C5 320 0	5/32X2
		RT C5 322 5	5/32X2 1/4
RT C3 305 0	3/32X1/2	RT C5 325 0	5/32X2 1/2
RT C3 307 5	3/32X3/4	RT C5 330 0	5/32X3
RT C3 310 0	3/32X1		
RT C3 312 5	3/32X1 1/4	RT C3 107 5	3/16X3/4
RT C3 315 0	3/32X1 1/2	RT C3 110 0	3/16X1
RT C3 317 5	3/32X1 3/4	RT C3 112 5	3/16X1 1/4
RT C3 320 0	3/32X2	RT C3 115 0	3/16X1 1/2
RT C3 322 5	3/32X2 1/4	RT C3 117 5	3/16X1 3/4
RT C3 325 0	3/32X2 1/2	RT C3 120 0	3/16X2
		RT C3 122 5	3/16X2 1/4
RT C7 607 5	7/64X3/4	RT C3 125 0	3/16X2 1/2
RT C7 610 0	7/64X1	RT C3 130 0	3/16X3
RT C7 612 5	7/64X1 1/4	RT C3 135 0	3/16X3 1/2
RT C7 615 0	7/64X1 1/2		
RT C7 620 0	7/64X2	RT C1 410 0	1/4X1
		RT C1 415 0	1/4X1 1/2
RT C1 805 0	1/8X1/2	RT C1 417 5	1/4X1 3/4
RT C1 807 5	1/8X3/4	RT C1 420 0	1/4X2
RT C1 810 0	1/8X1	RT C1 422 5	1/4X2 1/4
RT C1 812 5	1/8X1 1/4	RT C1 425 0	1/4X2 1/2
RT C1 815 0	1/8X1 1/2	RT C1 430 0	1/4X3
RT C1 817 5	1/8X1 3/4	RT C1 440 0	1/4X4
RT C1 820 0	1/8X2		
RT C1 825 0	1/8X2 1/2	RT C5 110 0	5/16X1
RT C1 830 0	1/8X3	RT C5 112 5	5/16X1 1/4
		RT C5 115 0	5/16X1 1/2
		RT C5 120 0	5/16X2
		RT C5 125 0	5/16X2 1/2
		RT C5 130 0	5/16X3
		RT C5 135 0	5/16X3 1/2

Alpine Supply

We have Connections!

KEY STOCK



PART NUMBER

SIZE

KS 18 181 2	1/8"X1/8"X12"
KS 53 531 2	5/32"X5/32"X12"
KS 31 311 2	3/16"X3/16"X12"
KS 14 141 2	1/4"X1/4"X12"
KS 51 511 2	5/16"X5/16"X12"
KS 38 381 2	3/8"X3/8"X12"
KS 71 711 2	7/16"X7/16"X12"
KS 12 121 2	1/2"X1/2"X12"
KS 91 911 2	9/16"X9/16"X12"
KS 58 581 2	5/8"X5/8"X12"
KS 34 341 2	3/4"X3/4"X12"
KS 78 781 2	7/8"X7/8"X12"
KS 10 101 2	1"X1"X12"

Alpine Supply

We have Connections!

WOODRUFF KEYS

(ACTUAL SIZE)



595-063
595-064
595-073

WK 97 742 4
WK 97 842 5
WK 97 542 4



595-065
595-074

WK 11 647 1
WK 11 747 3



595-067
595-071
595-076

WK 12 353 3
WK 12 253 3
WK 13 353 3



595-077

WK 13 739 4



595-079

WK 10 423 3



595-085

WK 14 031 0



595-083

WK 14 935 0



595-080

WK 17 530 2



595-078

WK 18 729 9



595-086

WK 58 514 9



595-082

WK 51 219 2



595-056
595-057

WK 47 518 8
WK 48 218 9



595-087
595-088

WK 60 023 3
WK 60 925 4



595-058
595-059
595-068

WK 60 523 6
WK 60 723 7
WK 60 223 6



595-060
595-061
595-072

WK 72 329 9
WK 72 830 1
WK 72 630 0



595-084
595-089

WK 72 129 1
WK 71 029 2



595-081

WK 83 333 4



595-062
595-069
595-070

WK 85 636 5
WK 85 536 2
WK 85 436 1

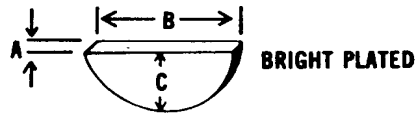


595-075

WK 98 039 1

DIMENSION CHART CROSS LIST

ACTUAL SIZE ILLUSTRATIONS

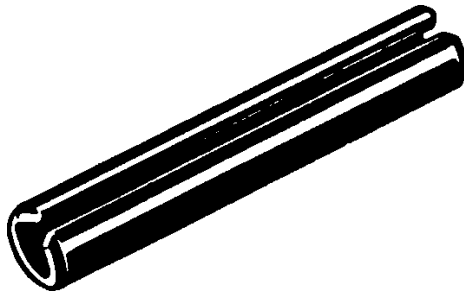


SPECIFICATION CHART

PART NO.	STD. NO.	WIDTH "A"	LENGTH "B"	HEIGHT "C"	APPLICATION
595-056	2	.094"	.475"	.188"	Chrys. Corp.
595-057	3	.125"	.482"	.189"	GMC Truck
595-058	4	.094"	.605"	.236"	GMC Truck
595-059	6	.157"	.607"	.237"	AMC, Ford
595-060	8	.157"	.723"	.299"	.....
595-061	9	.189"	.728"	.301"	AMC, Chrys., Ford, G.M.
595-062	10	.157"	.856"	.365"	.....
595-063	13	.188"	.977"	.424"	GMC Truck
595-064	15	.251"	.978"	.425"	Farm & Industrial
595-065	18	.251"	1.106"	.471"	Farm & Industrial
595-067	D	.313"	1.232"	.533"	Volkswagen
595-068	5	.125"	.602"	.236"	AMC
595-069	11	.188"	.855"	.362"	AMC, G.M.
595-070	A	.250"	.854"	.361"	Ford
595-071	21	.251"	1.232"	.533"	Farm & Industrial

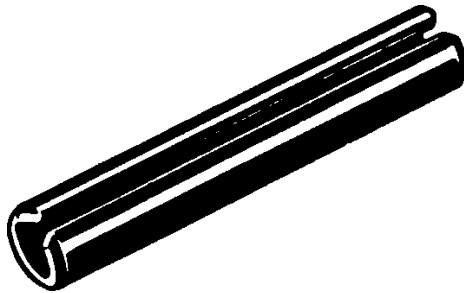
PART NO.	STD. NO.	WIDTH "A"	LENGTH "B"	HEIGHT "C"	APPLICATION
595-072	91	.250"	.726"	.300"	Chrys. Corp.
595-073	B	.314"	.975"	.424"	.....
595-074	C	.314"	1.107"	.473"	.....
595-075	152	.376"	.980"	.391"	.....
595-076	E	.376"	1.233"	.533"	GMC Truck
595-077	126	.188"	1.377"	.394"	AMC, G.M.
595-078	126 Hi	.188"	1.807"	.299"	AMC, Chrys. Corp.
595-079	726	.188"	1.040"	.233"	Ford
595-080	326	.188"	1.750"	.302"	Ford
595-081	.....	.234"	.833"	.334"	G.M., Toyota
595-082	.....	.157"	.512"	.182"	Honda
595-083	.....	.197"	1.492"	.350"	Ford
595-084	.....	.236"	.721"	.291"	Ford
595-085	.....	.188"	1.403"	.310"	Ford
595-086	.....	.157"	.585"	.149"	Chrys. Corp.
595-087	.....	.187"	.600"	.233"	Datsun
595-088	.....	.196"	.609"	.254"	Datsun, Ford, Toyota
595-089	.....	.196"	.710"	.292"	Datsun, Toyota

ROLL PINS



1/16"	RT L1 101 8	1/16X3/16
	RT L1 103 1	1/16X5/16
	RT L1 105 0	1/16X1/2
	RT L1 107 5	1/16X3/4
	RT L1 110 0	1/16X1
5/64"	RT L5 602 5	5/64X1/4
	RT L5 605 0	5/64X1/2
	RT L5 605 6	5/64X9/16
	RT L5 607 5	5/64X3/4
	RT L5 610 0	5/64X1
	RT L5 615 0	5/64X1 1/2
3/32"	RT L3 303 1	3/32X5/16
	RT L3 305 0	3/32X1/2
	RT L3 306 2	3/32X5/8
	RT L3 307 5	3/32X3/4
	RT L3 308 7	3/32X7/8
	RT L3 310 0	3/32X1
	RT L3 312 5	3/32X1 1/4
	RT L3 315 0	3/32X1 1/2
1/8"	RT L1 803 7	1/8X3/8
	RT L1 805 0	1/8X1/2
	RT L1 806 2	1/8X5/8
	RT L1 807 5	1/8X3/4
	RT L1 808 7	1/8X7/8
	RT L1 810 0	1/8X1
	RT L1 812 5	1/8X1 1/4
	RT L1 815 0	1/8X1 1/2
	RT L1 817 5	1/8X1 3/4
	RT L1 820 0	1/8X2
5/32"	RT L5 305 0	5/32X1/2
	RT L5 306 2	5/32X5/8
	RT L5 307 5	5/32X3/4
	RT L5 310 0	5/32X1
	RT L5 312 5	5/32X1 1/4
	RT L5 315 0	5/32X1 1/2

ROLL PINS



3/16"	RT L3 105 0	3/16X1/2
	RT L3 106 2	3/16X5/8
	RT L3 107 5	3/16X3/4
	RT L3 110 0	3/16X1
	RT L3 112 5	3/16X1 1/4
	RT L3 115 0	3/16X1 1/2
	RT L3 117 5	3/16X1 3/4
	RT L3 120 0	3/16X2
7/32"	RT L7 306 2	7/32X5/8
	RT L7 313 7	7/32X1 3/8
	RT L7 317 5	7/32X1 3/4
1/4"	RT L1 406 2	1/4X5/8
	RT L1 407 5	1/4X3/4
	RT L1 408 7	1/4X7/8
	RT L1 410 0	1/4X1
	RT L1 412 5	1/4X1 1/4
	RT L1 415 0	1/4X1 1/2
	RT L1 417 5	1/4X1 3/4
	RT L1 420 0	1/4X2
	RT L1 422 5	1/4X2 1/4
	RT L1 425 0	1/4X2 1/2
5/16"	RT L5 107 5	5/16X3/4
	RT L5 110 0	5/16X1
	RT L5 115 0	5/16X1 1/2
	RT L5 117 5	5/16X1 3/4
	RT L5 120 0	5/16X2
	RT L5 125 0	5/16X2 1/2
3/8"	RT L3 807 5	3/8X3/4
	RT L3 810 0	3/8X1
	RT L3 815 0	3/8X1 1/2
	RT L3 820 0	3/8X2
	RT L3 825 0	3/8X2 1/2

RETAINERS

FLAT TYPE

R2 TN 800 0 #8 SCREW



R2 TN 100 0 #10 SCREW



R2 TN 120 0 # 12 SCREW



R2 TN 142 0 1/4-20 SCREW



J-TYPE

R2 JN 600 0 # 6 SCREW



R2 JN 800 0 # 8 SCREW



R2 JN 100 0 # 10 SCREW



R2 JN 140 0 # 14 SCREW



U-TYPE

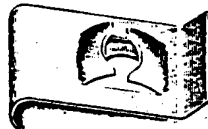
R2 UN 800 0 # 8 SCREW



R2 UN 100 0 # 10 SCREW

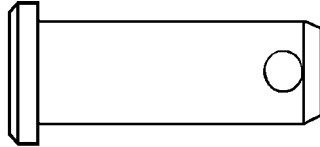


R2 UN 140 0 # 14 SCREW

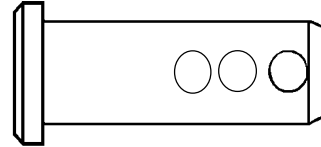


CLEVIS PINS

STANDARD



UNIVERSAL



RT V3 165 8 3/16X5/8 STANDARD
RT V3 110 U 3/16X1 UNIVERSAL
RT V3 120 0 3/16X2 STANDARD

RT V1 407 5 1/4X3/4 STANDARD
RT V1 410 0 1/4X1 STANDARD
RT V1 415 0 1/4X1 1/2 STANDARD
RT V1 415 U 1/4X1 1/2 UNIVERSAL
RT V1 420 0 1/4X2 STANDARD
RT V1 420 U 1/4X2 UNIVERSAL

RT V5 107 5 5/16X3/4 STANDARD
RT V5 110 0 5/16X1 STANDARD
RT V5 112 5 5/16X1 1/4 STANDARD
RT V5 115 0 5/15X1 1/2 STANDARD
RT V5 115 U 5/16X1 1/2 UNIVERSAL
RT V5 117 5 5/16X1 3/4 STANDARD
RT V5 120 0 5/16X2 STANDARD
RT V5 120 U 5/16X 2 UNIVERSAL

RT V3 807 5 3/8X3/4 STANDARD
RT V3 810 0 3/8X1 STANDARD
RT V3 812 5 3/8X1 1/4 STANDARD
RT V3 815 0 3/8X1 1/2 STANDARD
RT V3 817 5 3/8X1 3/4 STANDARD
RT V3 820 0 3/8X2 STANDARD
RT V3 820 U 3/8X2 UNIVERSAL
RT V3 830 0 3/8X3 STANDARD

RT V7 110 0 7/16X1 STANDARD
RT V7 112 5 7/16X1 1/4 STANDARD
RT V7 115 0 7/16X1 1/2 STANDARD
RT V7 120 0 7/16X2 STANDARD
RT V7 120 U 7/16X2 UNIVERSAL
RT V7 125 U 7/16X2 1/2 UNIVERSAL
RT V7 130 U 7/16X3 UNIVERSAL

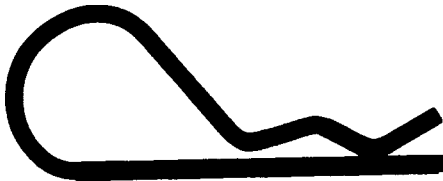
RT V1 210 0 1/2X1 STANDARD
RT V1 212 5 1/2X1 1/4 STANDARD
RT V1 215 0 1/2X1 1/2 STANDARD
RT V1 217 5 1/2X1 3/4 STANDARD
RT V1 220 0 1/2X2 STANDARD
RT V1 220 U 1/2X2 UNIVERSAL
RT V1 225 0 1/2X2 1/2 STANDARD
RT V1 230 0 1/2X3 STANDARD
RT V1 230 U 1/2X3 UNIVERSAL

Alpine Supply

We have Connections!

HAIR PIN COTTERS

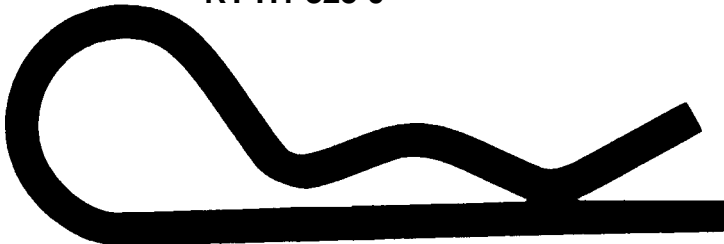
PART NUMBER	WIRE DIA.	DRILL HOLE SIZE	MIN. SHAFT DIA.	MAX. SHAFT DIA.	OVERALL LENGTH	EYE DIA.
RT H3 610 0	.042"	3/64"	3/16"	1/4"	1"	1/4"
RT H5 611 8	.080"	3/32"	1/4"	3/8"	1 3/16"	1/4"
RT H5 615 6	.080"	3/32"	3/8"	3/8"	1 9/16"	5/16"
RT H1 115 6	.062"	5/64"	3/8"	1/2"	1 9/16"	5/16"
RT H1 819 3	.125"	9/64"	1/2"	1/2"	1 15/16"	7/16"
RT H3 323 1	.093"	7/64"	1/4"	3/4"	2 5/16"	5/8"
RT H1 825 0	.125"	9/64"	5/8"	5/8"	2 1/2"	1/2"
RT H1 637 5	.177"	3/16"	7/8"	7/8"	3 3/4"	7/8"
RT H1 440 0	.243"	17/64"	3/4"	1 1/4"	4"	15/16"
RT H5 139 3	.310"	21/64"	7/8"	1"	3 15/16"	7/8"



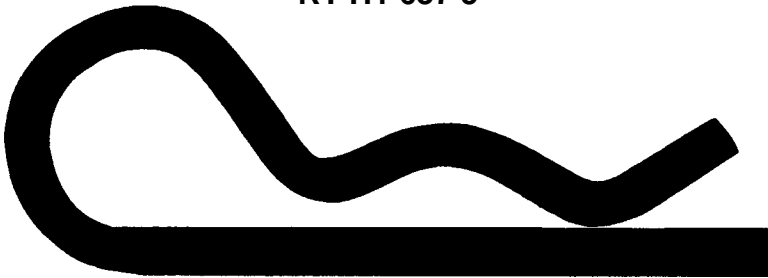
RT H3 323 1



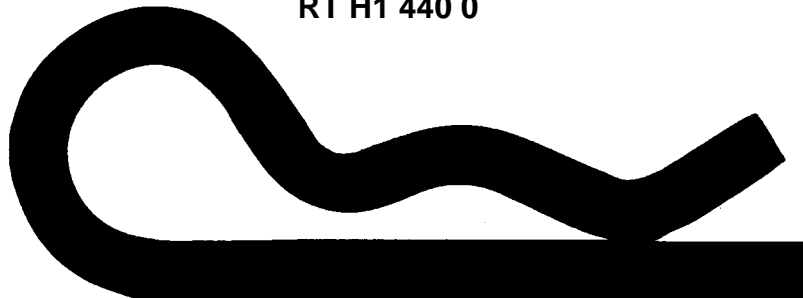
RT H1 825 0



RT H1 637 5



RT H1 440 0



RT H5 139 3



RT H3 610 0



RT H5 611 8



RT H5 615 6



RT H5 615 6



RT H1 115 6



RT H1 115 6



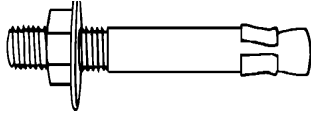
RT H1 819 3



RT H1 819 3

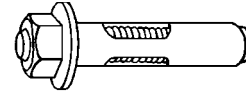
ANCHORS

WEDGE-TITE STUD



AW 14 175 P	1/4X1 3/4
AW 14 225 P	1/4X2 1/4
AW 14 300 P	1/4X3
AW 38 212 P	3/8X2 1/8
AW 38 275 P	3/8X2 3/4
AW 38 300 P	3/8X3
AW 38 350 P	3/8X3 1/2
AW 38 375 P	3/8X3 3/4
AW 38 500 P	3/8X5
AW 12 275 P	1/2X2 3/4
AW 12 375 P	1/2X3 3/4
AW 12 425 P	1/2X4 1/4
AW 12 450 P	1/2X4 1/2
AW 12 550 P	1/2X5 1/2
AW 12 600 P	1/2X6
AW 12 700 P	1/2X7
AW 58 350 P	5/8X3 1/2
AW 58 450 P	5/8X4 1/2
AW 58 500 P	5/8X5
AW 58 600 P	5/8X6
AW 58 700 P	5/8X7
AW 58 850 P	5/8X8 1/2
AW 34 425 P	3/4X4 1/4
AW 34 475 P	3/4X4 3/4
AW 34 550 P	3/4X5 1/2
AW 34 625 P	3/4X6 1/4
AW 34 700 P	3/4X7
AW 34 850 P	3/4X8 1/2
AW 34 X10 P	3/4X10
AW 34 X12 P	3/4X12

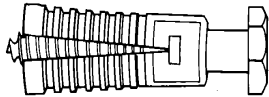
STUD BOLT SLEEVE TYPE



AS 56 150 P	5/16X1 1/2
AS 56 250 P	5/16X2 1/2
AS 38 187 P	3/8X1 7/8
AS 38 300 P	3/8X3
AS 12 225 P	1/2X2 1/4
AS 12 300 P	1/2X3
AS 12 400 P	1/2X4
AS 12 600 P	1/2X6
AS 58 225 P	5/8X2 1/4
AS 58 425 P	5/8X4 1/4
AS 58 600 P	5/8X6
AS 34 250 P	3/4X2 1/2
AS 34 425 P	3/4X4 1/4
AS 34 625 P	3/4X6 1/4

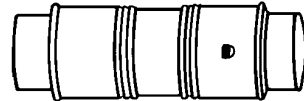
ANCHORS

LAG SCREW EXPANSION SHIELDS



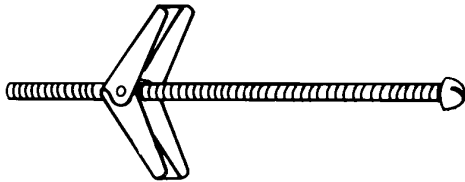
AL 14 SHT L	1/4 SHORT
AL 14 LNG L	1/4 LONG
AL 56 SHT L	5/16 SHORT
AL 56 LNG L	5/16 LONG
AL 38 SHT L	3/8 SHORT
AL 38 LNG L	3/8 LONG
AL 12 SHT L	1/2 SHORT
AL 12 LNG L	1/2 LONG

DOUBLE WEDGE EXPANSION SHIELDS



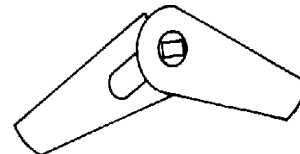
AE 14 20D P	1/4-20
AE 51 18D P	5/16-18
AE 38 16D P	3/8-16
AE 12 13D P	1/2-13
AE 58 11D P	5/8-11
AE 34 10D P	3/4-10

SPRING WING TOGGLE BOLTS



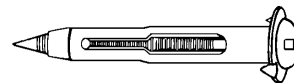
AT 18 20R H	1/8 (6-32)X2
AT 18 30R H	1/8 (6-32)X3
AT 18 40R H	1/8 (6-32)X4
AT 31 20R H	3/16 (10-24)X2
AT 31 30R H	3/16 (10-24)X3
AT 31 40R H	3/16 (10-24)X4
AT 31 50R H	3/16 (10-24)X5
AT 31 60R H	3/16 (10-24)X6
AT 14 30R H	1/4X3
AT 14 40R H	1/4X4
AT 14 50R H	1/4X5
AT 14 50R H	1/4X6
AT 51 30R H	5/16X3
AT 51 40R H	5/16X4
AT 51 50R H	5/16X5
AT 51 60R H	5/16X6

SPRING WING TOGGLE HEADS



AT 18 W1N G	1/8 (6-32)
AT 31 W1N G	3/16 (10-24)
AT 14 W1N G	1/4-20
AT 51 W1N G	5/16-18
AT 38 W1N G	3/8-16
AT 12 W1N G	1/2-13

DRIVIN HOLLOW WALL EXPANSION BOLT

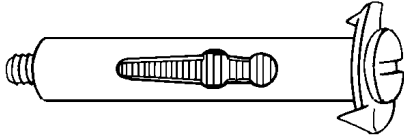


AH 18 SHD P	1/8 SHORT
AH 18 LND P	1/8 LONG
AH 18 XSD P	1/8 SHH*
AH 18 XLD P	1/8 LHH**

* SHORT SLOT HEX HEAD **LONG SLOT HEX HEAD

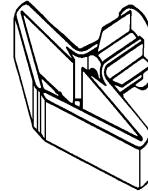
ANCHORS

HOLLOW WALL EXPANSION BOLT



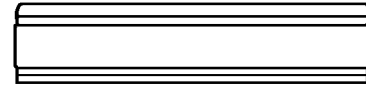
AH 18 SH0 P	1/8 SHORT
AH 18 LN0 P	1/8 LONG
AH 18 XL0 P	1/8 X-LONG
AH 31 SH0 P	3/16 SHORT
AH 31 LN0 P	3/16 LONG
AH 31 XL0 P	3/16 X-LONG
AH 14 SH0 P	1/4 SHORT
AH 14 LN0 P	1/4 LONG
AH 14 XL0 P	1/4 X-LONG

PLASTIC TOGGLES

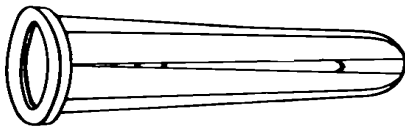


AP 38 120 G	3/8" - 1/2"
AP 12 580 G	1/2" - 5/8"
AP 58 340 G	5/8" - 3/4"

TUBULAR PLASTIC ANCHORS



PLASTIC ANCHORS

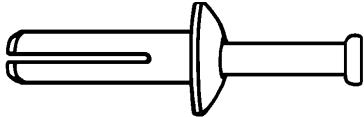


AP 68 075 C	6-8X3/4
AP 8A 087 C	8-10X7/8
AP AB 100 C	10-12X1
AP CD 150 C	14-16X1 1/2

AP 12 100 T	YELLOW 1"
AP 46 075 T	WHITE 3/4"
AP 46 150 T	WHITE 1 1/2"
AP 80 075 T	RED 3/4"
AP 80 100 T	RED 1"
AP 80 150 T	RED 1 1/2"
AP AB 100 T	GREEN 1"
AP AB 125 T	GREEN 1 1/4"
AP AB 150 T	GREEN 1 1/2"
AP AB 200 T	GREEN 2"
AP C0 100 T	BLUE 1"
AP C0 150 T	BLUE 1 1/2"
AP C0 200 T	BLUE 2"
AP C0 225 T	BLUE 2 1/4"
AP D0 100 T	ORANGE 1"
AP D0 150 T	ORANGE 1 1/2"
AP D0 200 T	ORANGE 2"
AP D0 250 T	ORANGE 2 1/2"
AP G0 150 T	GRAY 1 1/2"
AP G0 200 T	GRAY 2"
AP G0 250 T	GRAY 2 1/2"
AP G0 300 T	GRAY 3"

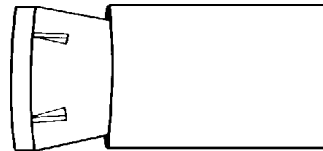
ANCHORS

ZINC PIN DRIVE



AZ 31 087 L	3/16X7/8
AZ 14 075 L	1/4X3/4
AZ 14 100 L	1/4X1
AZ 14 125 L	1/4X1 1/4
AZ 14 150 L	1/4X1 1/2
AZ 14 200 L	1/4X2

MACHINE SCREW CAULKING ANCHORS



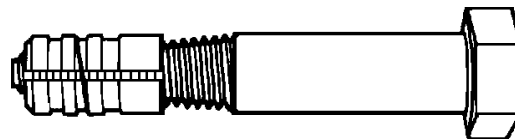
AM 31 240 L	10-24
AM 14 200 L	1/4-20
AM 51 180 L	5/16-18
AM 38 160 L	3/8-16
AM 12 130 L	1/2-13

DROP IN ANCHOR



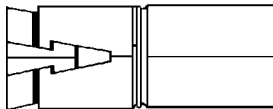
AD 14 200 P	1/4
AD 38 160 P	3/8
AD 12 130 P	1/2
AD 58 110 P	5/8
AD 34 100 P	3/4

TAPER-BOLT



AR 38 225 P	3/8X2 1/4
AR 38 265 P	3/8X2 5/8
AR 38 300 P	3/8X3
AR 38 400 P	3/8X4
AR 12 287 P	1/2X2 7/8
AR 12 400 P	1/2X4
AR 12 500 P	1/2X5
AR 58 350 P	5/8X3 1/2
AR 58 450 P	5/8X4 1/2
AR 58 600 P	5/8X6
AR 58 700 P	5/8X7
AR 34 450 P	3/4X4 1/2
AR 34 550 P	3/4X5 1/2
AR 34 700 P	3/4X7
AR 34 800 P	3/4X8
AR 10 562 P	1X5 5/8
AR 10 675 P	1X6 3/4
AR 10 725 P	1X7 1/4

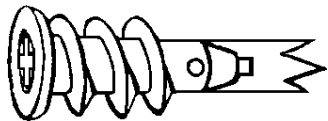
SINGLE WEDGE EXPANSION SHIELDS



AE 14 20S P	1/4-20
AE 51 18S P	5/16-18
AE 38 16S P	3/8-16
AE 12 13S P	1/2-13
AE 58 11S P	5/8-11
AE 34 10S P	3/4-10

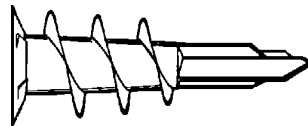
ANCHORS

E-Z ANCHORS



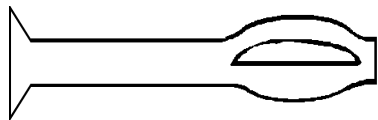
AN 31 107 0 ZINC
AN 31 207 0 PLASTIC

ZIP-ITS



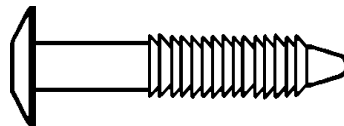
AN 23 450 0 #8-#10 SCREW
AN 23 500 0 JR. FOR #6 SCREW

SUPR-R-SPLIT



AK 14 150 P 1/4X1 1/2
AK 14 200 P 1/4X2
AK 14 250 P 1/4X2 1/2
AK 14 300 P 1/4X3
AK 14 350 P 1/4X3 1/2
AK 14 400 P 1/4X4

UNI-TAP

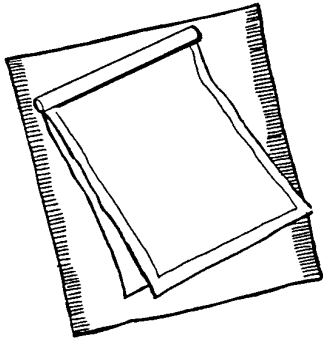


R1 N4 U10 T 1/4X1
R1 N4 U16 T 1/4X1 5/8
R1 N4 U21 T 1/4X2 1/8
R1 N4 U26 T 1/4X2 5/8
R1 N4 U31 T 1/4X3 1/8

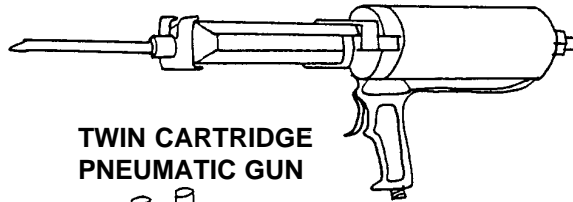
Alpine Supply

We have Connections!

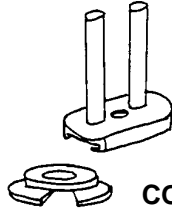
ANCHORS



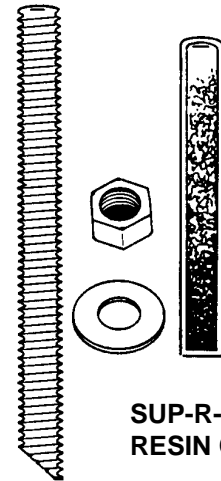
GROUT POUCH



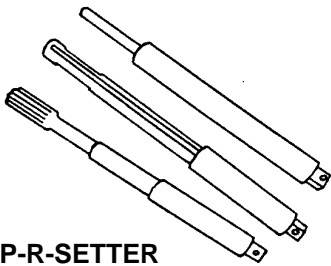
TWIN CARTRIDGE
PNEUMATIC GUN



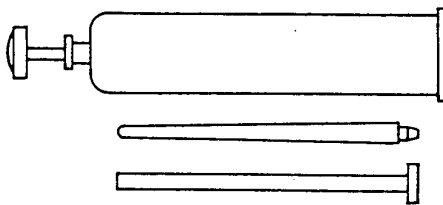
CONVERSION
KIT



SUP-R-SET
RESIN CAPSULE

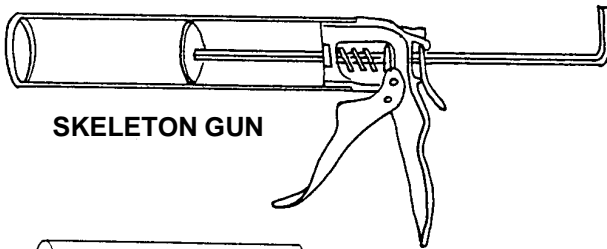


SUP-R-SETTER

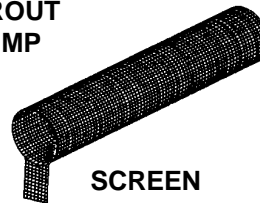


GROUT
PUMP

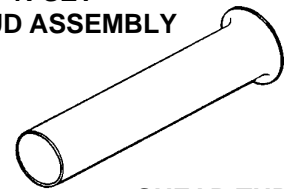
SUP-R-SET
STUD ASSEMBLY



SKELETON GUN



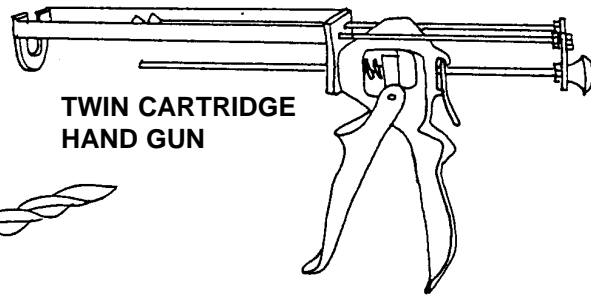
SCREEN



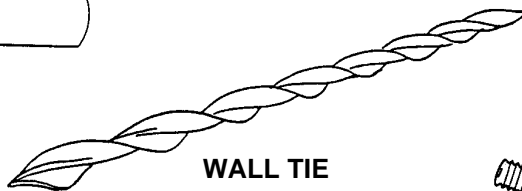
SHEAR TUBE



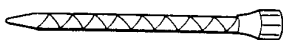
392 EPOXY



TWIN CARTRIDGE
HAND GUN



WALL TIE



MOTIONLESS MIXER



ANGLED ROD

**ALL OTHER ANCHORS AVAILABLE: EPOXY,
RESIN, AND CAPSULES**

HACK SAW BLADES

<u>BI-METAL</u>	<u>DESCRIPTION</u>	<u>HIGH SPEED</u>	<u>DESCRIPTION</u>
HB 12 18C B	12 INCH 18 TOOTH	HB 12 18H S	12 INCH 18 TOOTH
HB 12 24C B	12 INCH 24 TOOTH	HB 12 24H S	12 INCH 24 TOOTH
HB 12 32C B	12 INCH 32 TOOTH	HB 12 32H S	12 INCH 32 TOOTH

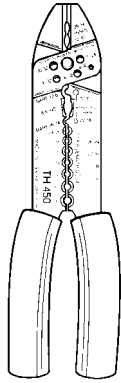
MECHANICS WIRE

7Q 18 100 5	18GA. 5LB SPOOL
7Q 16 100 5	16GA. 5LB SPOOL
7Q 14 100 C	14GA. 5LB SPOOL

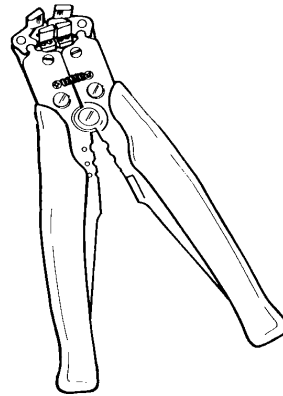
SILICONE

<u>RTV INDUSTRIAL SILICONE</u>	<u>COLOR</u>	<u>RTV CONSTRUCTION SILICONE</u>	<u>COLOR</u>
SC 31 000 C	CLEAR	SC 38 000 C	CLEAR
SC 31 001 W	WHITE	SC 38 001 W	WHITE
SC 31 002 B	BLACK		
SC 31 003 A	ALUMINUM		

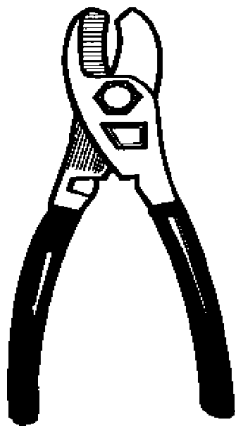
<u>SILICONIZED ACRYLIC LATEX CAULK</u>	<u>COLOR</u>
SC 36 300 C	CLEAR
SC 36 301 W	WHITE



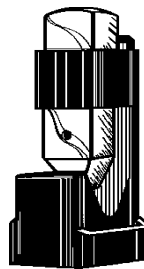
**TZ TT H45 0
SOLDERLESS CRIMPING TOOL**



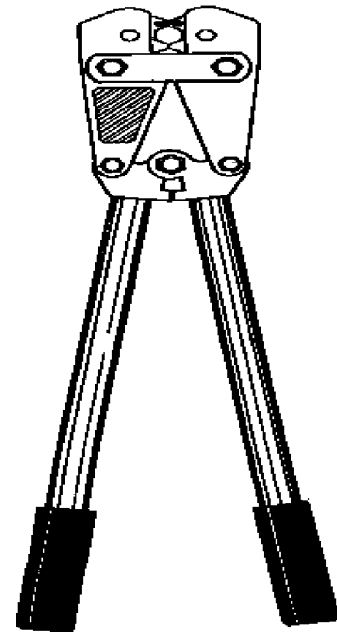
**TZ CR T2H 0
AUTO-STRIPPER**



**TZ BU PB4 1
COPPER CABLE CUTTER**

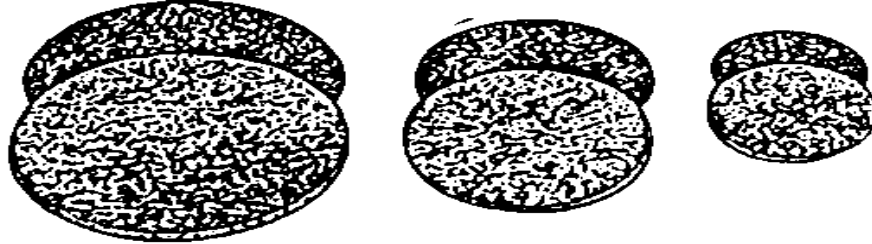


**TZ SK T84 0
8GA THRU 4/0
CRIMPER**



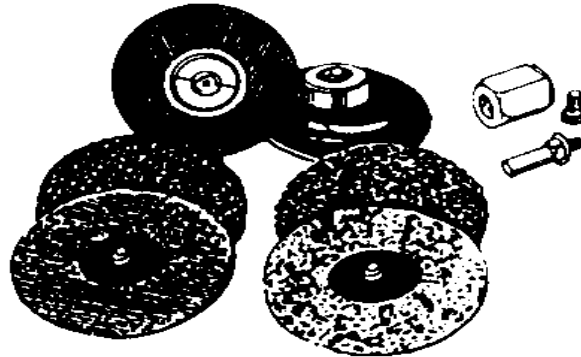
**TZ R0 T00 0
8GA THRU 4/0
ROTO CRIMP**

SCOTCH-BRITE CONDITIONING DISC



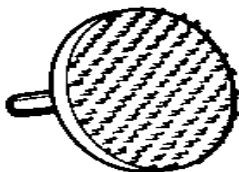
<u>GRADE/COLOR</u>	<u>4"</u>	<u>3"</u>	<u>2"</u>
COARSE/BROWN	AB 3M 745 0	AB 3M 745 5	AB 3M 745 3
MEDIUM/MAROON	AB 3M 745 1	AB 3M 745 6	AB 3M 745 7

SCOTCH-BRITE ROLOC CONDITIONING DISC

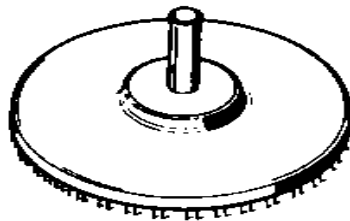


<u>GRADE/COLOR</u>	<u>4"</u>	<u>3"</u>	<u>2"</u>
COARSE/BROWN	AB 3M 748 2	AB 3M 748 5	AB 3M 748 0
MEDIUM/MAROON	AB 3M 748 3	AB 3M 748 6	AB 3M 748 1

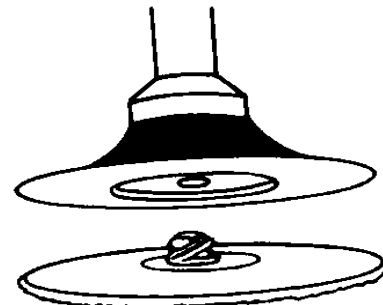
PAD HOLDERS



AB 3M 749 2
AB 3M 749 3
AB 3M 749 4

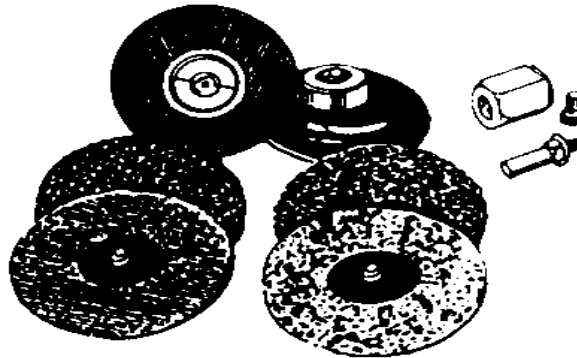


FOR 4" DISCS
FOR 3" DISCS
FOR 2" DISCS



AB 3M 553 9 FOR 2" ROLOC DISCS
AB 3M 554 0 FOR 3" ROLOC DISCS
AB 3M 554 1 FOR 4" ROLOC DISCS

ROLOC GRINDING DISCS FIBRE AND CLOTH BACKED



GRADE

50

36

24

2"

AB 3M 139 6

AB 3M 139 7

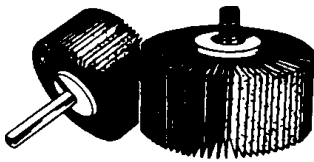
AB 3M 139 8

3"

AB 3M 140 6

AB 3M 140 7

AB 3M 140 8



FLAP WHEELS



PART NUMBER

AF 10 606 S

AF 15 106 S

AF 15 108 S

AF 20 106 S

AF 20 108 S

AF 30 508 S

DIAMETER

1"

1 1/2"

1 1/2"

2"

2"

3"

WIDTH

5/8"

1"

1"

1"

1"

1/2"

GRIT

60

60

80

60

80

80

MANDREL

1/4 STRAIGHT

1/4 STRAIGHT

1/4 STRAIGHT

1/4 STRAIGHT

1/4 STRAIGHT

1/4 STRAIGHT

GLOVES



LATEX LIGHTLY POWDERED

GL LT 199 S	SMALL EXAMINATION GLOVE
GL LT 199 M	MEDIUM EXAMINATION GLOVE
GL LT 199 L	LARGE EXAMINATION GLOVE
GL LT 199 X	EXTRA-LARGE EXAMINATION GLOVE

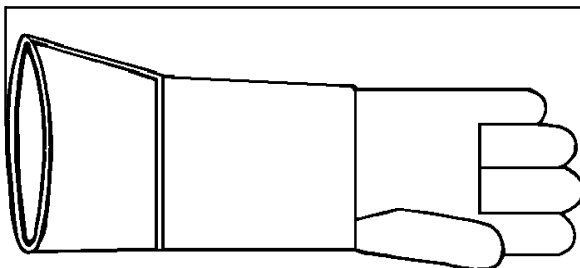
EVOLUTION HEAVY DUTY

GL HL EVL S	SMALL EVOLUTION GLOVE
GL HL EVL M	MEDIUM EVOLUTION GLOVE
GL HL EVL L	LARGE EVOLUTION GLOVE
GL HL EVL X	X-LARGE EVOLUTION GLOVE

DIAMOND GRIP

GL MF 300 S	SMALL DIAMOND GRIP GLOVE
GL MF 300 M	MEDIUM DIAMOND GRIP GLOVE
GL MF 300 L	LARGE DIAMOND GRIP GLOVE
GL MF 300 X	X-LARGE DIAMOND GRIP GLOVE

14" GAUNTLET

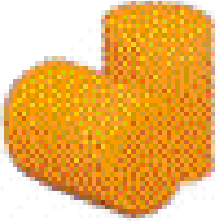


PVC COATED

GL PV G14 L	LARGE PVC COATED GLOVE
-------------	------------------------

EAR PLUGS

CLASSIC



NRR 29

ER 31 010 0

2 PER PILLOW PACK, 200 PILLOW
PACKS PER BOX

ER 39 010 0

200 BULK PACK

SOFTIES



NRR 31

ER 66 000 0

200 PAIR PER BOX

MAX



NRR 33

ER MA X10 0

200 PAIR PER BOX

Alpine Supply

We have Connections!

PROTECTIVE STUFF

STANDARD GENERIC IMPRINT PAPER FLOOR MATS



**PS FM PST D 60 LB PAPER IMPRINTED
WITH "THANK YOU"
SIZE 17"X22"**

HEAVY DUTY GENERIC PAPER FLOOR MATS



**PS FM PHV Y 70 LB PAPER IMPRINTED
WITH "THANK YOU"
SIZE 19"X25"**

PROTECTIVE PLASTIC SEAT COVERS

PS SC TAC 0

PLASTIC SEAT COVER
WITH A TACKY FILM TO
HOLD COVER IN PLACE

PS SC EC0 0

PLASTIC SEAT COVER
DESIGNED TO GIVE MAX.
PROTECTION AT A MIN.
OF EXPENSE

PS SC HVY 0

HEAVY DUTY COVER IS MADE
OF 1 1/4 MIL POLYETHYLENE
FOR MAXIMUM PROTECTION

PS SC HVY T

HEAVY DUTY TRUCK COVER
IS 5" LONGER FOR TRUCK
SEATS AND LUX. CARS ALSO
FEATURES TACKY BACK
FEATURE

PROTECTIVE PLASTIC STEERING WHEEL COVERS

PS SW C0V 0

PLASTIC STEERING WHEEL
COVER WITH SHOWER CAP
DESIGN TO KEEP IT IN PLACE

PS SW C0V L

LARGE PLASTIC STEERING WHEEL
COVER FOR DIESEL TRUCKS WITH
SHOWER CAP DESIGN TO KEEP IT IN
PLACE

RAGS



COTTON MULTI-COLORED

RG CC NA1 0 10LB BAG
RG CC NA2 5 25LB BAG
RG CC NA5 0 50LB BOX

COTTON WHITE ONLY

RG WC NA1 0 10LB BAG
RG WC NA2 5 25LB BAG
RG WC NA5 0 50LB BOX

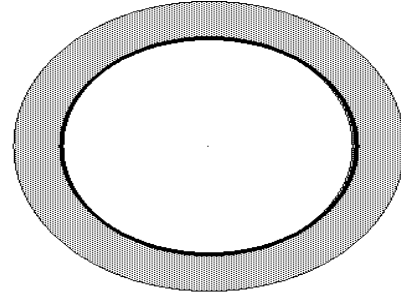
WHITE TERRY CLOTH

RG WT HF1 0 1/2 TOWEL 10LB BOX
RG WT HF2 5 1/2 TOWEL 25LB BOX
RG WT HF5 0 1/2 TOWEL 50LB BOX

RG WT FL1 0 FULL TOWEL 10LB BOX
RG WT FL2 5 FULL TOWEL 25LB BOX
RG WT FL5 0 FULL TOWEL 50LB BOX

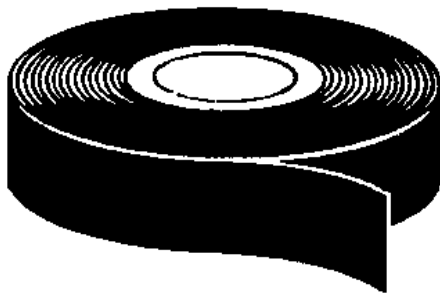
MASKING TAPE

ET 14 60M T	1/4" MASKING TAPE
ET 12 60M T	1/2" MASKING TAPE
ET 34 60M T	3/4" MASKING TAPE
ET 10 60M T	1" MASKING TAPE
ET 15 60M T	1 1/2" MASKING TAPE
ET 20 60M T	2" MASKING TAPE



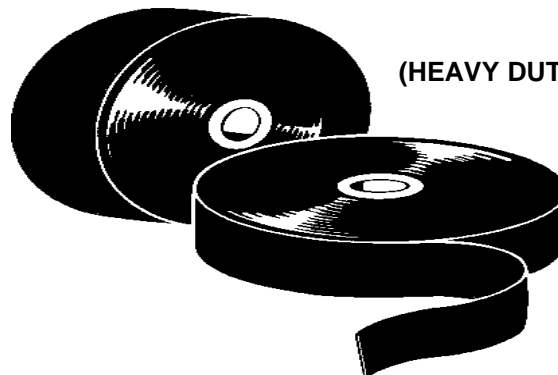
ELECTRICAL TAPE

ET 34 20E T	3/4" ECONOMY GRADE
ET 34 223 3	3/4" GENERAL PURPOSE
ET 34 228 8	3/4" ALL WEATHER
ET 34 223 0	3/4" ORANGE
ET 34 223 B	3/4" BROWN
ET 34 223 E	3/4" GREY
ET 34 223 G	3/4" GREEN
ET 34 223 R	3/4" RED
ET 34 223 U	3/4" BLUE
ET 34 223 V	3/4" VIOLET
ET 34 223 W	3/4" WHITE
ET 34 223 Y	3/4" YELLOW

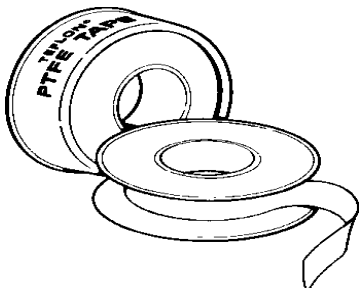


DUCT TAPE

ET 20 60D T



(HEAVY DUTY CLOTH BACKED)



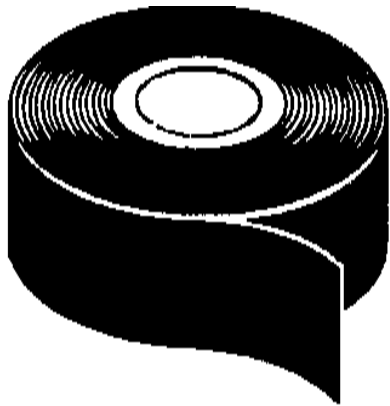
TEFLON TAPE

ET 12 61T T	1/2" TEFLON TAPE
ET 34 61T T	3/4" TEFLON TAPE
ET 10 61T T	1" TEFLON TAPE

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TAPE



ELECTRICAL MOISTURE SEALANT

ET 25 03M T 2 1/2 "X10' ROLL
ET 25 SQS P 2 1/2"X2 1/2" PATCHES

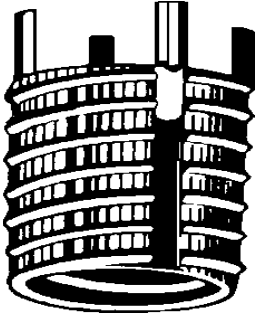
HEAT SHRINK TAPE

ET HS 121 0 1/2"X10 FT



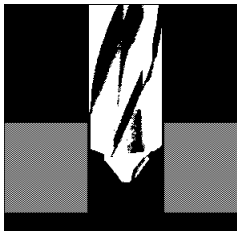
CARTON SEALING TAPE

ET 20 60P C 2" CLEAR
ET 20 60P T 2" TAN
ET 20 60P B 2" BROWN

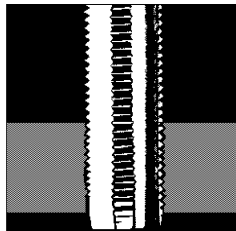


THIN WALL

PART #	INTERNAL THREAD SIZE	EXTERNAL THREAD SIZE	INSERT LENGTH	DRILL SIZE	TAP SIZE
KN T1 024 0	10-24	5/16-18	.31	"I"	5/16-18
KN T1 032 0	10-32	5/16-18	.31	"I"	5/16-18
KN T1 420 0	1/4-20	3/8-16	.37	"Q"	3/8-16
KN T1 428 0	1/4-28	3/8-16	.37	"Q"	3/8-16
KN T5 161 8	5/16-18	7/16-14	.43	"X"	7/16-14
KN T5 162 4	5/16-24	7/16-14	.43	"X"	7/16-14
KN T3 816 0	3/8-16	1/2-13	.50	29/64	1/2-13
KN T3 824 0	3/8-24	1/2-13	.50	29/64	1/2-13
KN T7 161 4	7/16-14	9/16-12	.56	33/64	9/16-12
KN T7 162 0	7/16-20	9/16-12	.56	33/64	9/16-12
KN T1 213 0	1/2-13	5/8-11	.62	37/64	5/8-11
KN T1 220 0	1/2-20	5/8-11	.62	37/64	5/8-11



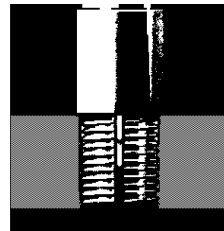
1.
DRILL OUT OLD
THREADS, USING
STANDARD DRILL.



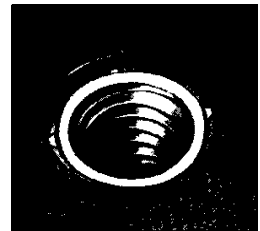
2.
TAP NEW THREADS,
USING STANARD TAP



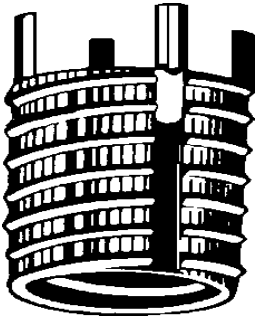
3.
SCREW IN INSERT
UNTIL SLIGHTLY BELOW
SURFACE. "KEES"
ACT AS DEPTH STOP



4.
DRIVE "KEES"
DOWN WITH SEVERAL
LIGHT TAPS ON
INSTALLATION TOOL



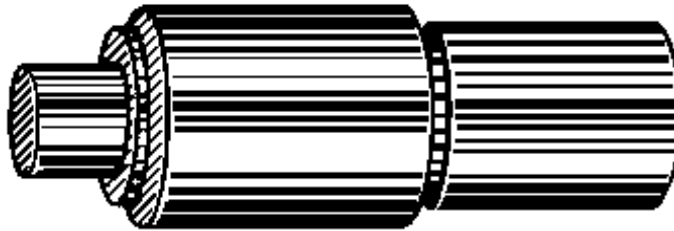
5.
INSTALLED INSERT



HEAVY DUTY

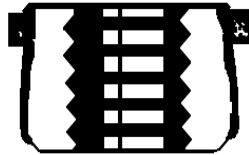
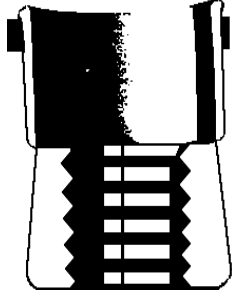
PART #	INTERNAL THREAD SIZE	EXTERNAL THREAD SIZE	INSERT LENGTH	DRILL SIZE	TAP SIZE
KN H8 320 0	8-32	5/16-18	.31	"I"	5/16-18
KN H1 024 0	10-24	3/8-16	.31	"Q"	3/8-16
KN H1 032 0	10-32	3/8-16	.31	"Q"	3/8-16
KN H1 420 0	1/4-20	7/16-14	.37	"X"	7/16-14
KN H1 428 0	1/4-28	7/16-14	.37	"X"	7/16-14
KN H5 161 8	5/16-18	1/2-13	.43	29/64	1/2-13
KN H5 162 4	5/16-24	1/2-13	.43	29/64	1/2-13
KN H3 816 0	3/8-16	9/16-12	.50	33/64	9/16-12
KN H3 824 0	3/8-24	9/16-12	.50	33/64	9/16-12
KN H7 161 4	7/16-14	5/8-11	.62	37/64	5/8-11
KN H7 162 0	7/16-20	5/8-11	.62	37/64	5/8-11
KN H1 213 0	1/2-13	3/4-16	.62	45/64	3/4-16
KN H1 220 0	1/2-20	3/4-16	.62	45/64	3/4-16
KN H9 161 2	9/16-12	3/4-16	.81	45/64	3/4-16
KN H9 161 8	9/16-18	3/4-16	.81	45/64	3/4-16
KN H5 811 0	5/8-11	7/8-14	.87	53/64	7/8-14
KN H5 818 0	5/8-18	7/8-14	.87	53/64	7/8-14
KN H3 410 0	3/4-10	1 1/8-12	1.12	1 1/16	1 1/8-12
KN H3 416 0	3/4-16	1 1/8-12	1.12	1 1/16	1 1/8-12
KN H7 890 0	7/8-9	1 1/4-12	1.25	1 3/16	1 1/4-12
KN H7 814 0	7/8-14	1 1/4-12	1.25	1 3/16	1 1/4-12
KN H1 800 0	1-8	1 3/8-12	1.37	1 5/16	1 3/8-12
KN H1 120 0	1-12	1 3/8-12	1.37	1 5/16	1 3/8-12
KN H1 140 0	1-14	1 3/8-12	1.37	1 5/16	1 3/8-12

INSTALLATION TOOLS



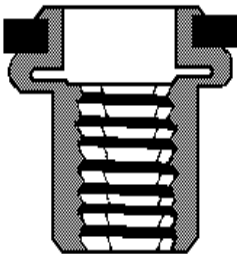
<u>INSERT SIZE</u>	<u>TOOL FOR HEAVY DUTY INSERT</u>	<u>TOOL FOR THINWALL INSERT</u>
#8	KN TR K80 0	
#10	KN TR K10 0	KN TR KA1 0
1/4	KN TR K14 0	KN TR KA1 4
5/16	KN TR K51 6	KN TR KA5 1
3/8	KN TR K38 0	KN TR KA3 8
7/16	KN TR K71 6	KN TR KA7 1
1/2	KN TR K12 0	KN TR KA1 2
9/16	KN TR K91 6	
5/8	KN TR K58 0	
3/4	KN TR K34 0	
7/8	KN TR K78 0	
1	KN TR K01 0	

NUTSERTS



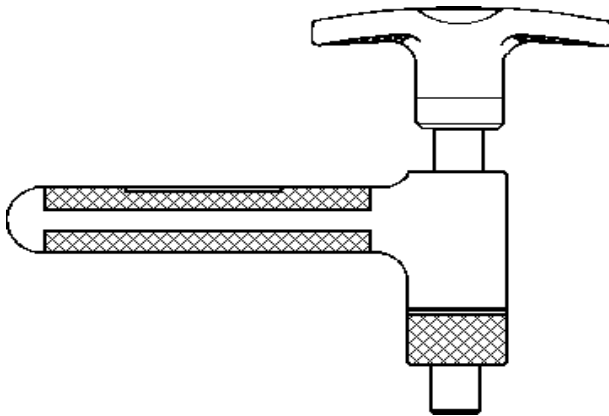
STEELTHICK SHEET

<u>PART NUMBER</u>	<u>THREAD SIZE</u>	<u>.030-.090 DRILL</u>	<u>.091-.124 DRILL</u>	<u>.125-.186 DRILL</u>	<u>.187 & OVER DRILL</u>
NS R4 400 0	4-40	3/16	#10	#10	#9
NS R6 320 0	6-32	7/32	#2	#1	#1
NS R8 320 0	8-32	1/4	"F"	17/64	17/64
NS R1 024 0	10-24	9/32	"L"	"L"	19/64
NS R1 032 0	10-32	9/32	"L"	"L"	19/64
NS R1 420 0	1/4-20	3/8	3/8	"W"	25/64
NS R1 428 0	1/4-28	3/8	3/8	"W"	25/64
NS R5 161 8	5/16-18	1/2	1/2	33/64	33/64
NS R5 162 4	5/16-24	1/2	1/2	33/64	33/64
NS R3 816 0	3/8-16	9/16	9/16	37/64	37/64
NS R3 824 0	3/8-24	9/16	9/16	37/64	37/64



THIN SHEET

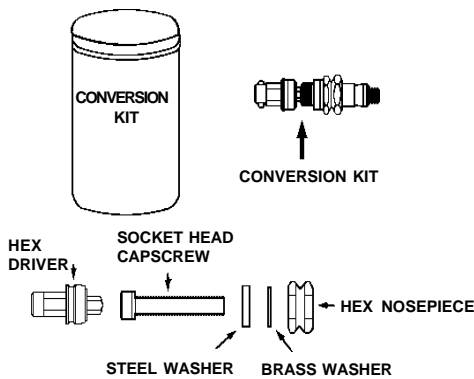
<u>PART NUMBER</u>	<u>THREAD SIZE</u>	<u>DRILL</u>	<u>GRIP RANGE</u>
NS T6 320 0	6-32	1/4	.020-.080
NS T8 320 0	8-32	1/4	.020-.080
NS T1 024 0	10-24	9/32	.020-.130
NS T1 032 0	10-32	9/32	.020-.130
NS T1 420 0	1/4-20	3/8	.030-.165
NS T5 161 8	5/16-18	1/2	.040-.200
NS T3 816 0	3/8-16	1/2	.040-.200



INSTALLATION TOOL

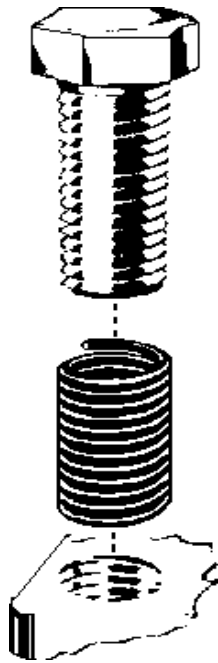
NS TZ AA1 2

THREAD CONVERSION KITS



NS C4 400 0	4-40
NS C6 320 0	6-32
NS C8 320 0	8-32
NS C1 024 0	10-24
NS C1 032 0	10-32
NS C1 420 0	1/4-20
NS C1 428 0	1/4-28
NS C5 161 8	5/16-18
NS C5 162 4	5/16-24
NS C3 816 0	3/8-16
NS C3 824 0	3/8-24

COIL THREAD



USS

SAE

C0 08 320 M	8-32
C0 10 240 M	10-24
C0 12 240 M	12-24
C0 14 200 M	1/4-20
C0 51 618 M	5/16-18
C0 38 160 M	3/8-16
C0 71 614 M	7/16-14
C0 12 130 M	1/2-13
C0 91 612 M	9/16-12
C0 58 110 M	5/8-11
C0 34 100 M	3/4-10
C0 78 900 M	7/8-9

C0 10 320 M	10-32
C0 14 280 M	1/4-28
C0 51 624 M	5/16-24
C0 38 240 M	3/8-24
C0 71 624 M	7/16-24
C0 12 200 M	1/2-20
C0 91 618 M	9/16-18
C0 58 180 M	5/8-18
C0 34 160 M	3/4-16
C0 78 140 M	7/8-14

DRILL SIZES

WIRE GAUGE

WIRE GAUGE NO.	DECIMAL EQUIV., IN.	WIRE GAUGE NO.	DECIMAL EQUIV., IN.	WIRE GAUGE NO.	DECIMAL EQUIV., IN.
1	.2280	28	.1405	55	.0520
2	.2210	29	.1360	56	.0465
3	.2130	30	.1285	57	.0430
4	.2090	31	.1200	58	.0420
5	.2055	32	.1160	59	.0410
6	.2040	33	.1130	60	.0400
7	.2010	34	.1110	61	.0390
8	.1990	35	.1100	62	.0380
9	.1960	36	.1065	63	.0370
10	.1935	37	.1040	64	.0360
11	.1910	38	.1015	65	.0350
12	.1890	39	.0995	66	.0330
13	.1850	40	.0980	67	.0320
14	.1820	41	.0960	68	.0310
15	.1800	42	.0935	69	.0292
16	.1770	43	.0890	70	.0280
17	.1730	44	.0860	71	.0260
18	.1695	45	.0820	72	.0250
19	.1660	46	.0810	73	.0240
20	.1610	47	.0785	74	.0225
21	.1590	48	.0760	75	.0210
22	.1570	49	.0730	76	.0200
23	.1540	50	.0700	77	.0180
24	.1520	51	.0670	78	.0160
25	.1495	52	.0635	79	.0145
26	.1470	53	.0595	80	.0135
27	.1440	54	.0555		

FRACTIONAL

1/16	9/32
5/64	19/64
3/32	5/16
7/64	21/64
1/8	11/32
9/64	23/64
5/32	3/8
11/64	25/64
3/16	13/32
13/64	27/64
7/32	7/16
15/64	29/64
1/4	15/32
17/64	31/64
	1/2

LETTER SIZE

LETTER SIZE	DECIMAL EQUIV., IN.	LETTER SIZE	DECIMAL EQUIV., IN.
A	.2340	N	.3020
B	.2380	O	.3160
C	.2420	P	.3230
D	.2460	Q	.3320
E	.2500	R	.3390
F	.2570	S	.3480
G	.2610	T	.3580
H	.2660	U	.3680
I	.2720	V	.3770
J	.2770	W	.3860
K	.2810	X	.3970
L	.2900	Y	.4040
M	.2950	Z	.4130

1/2" SHANK

17/32	13/16
9/16	27/32
19/32	7/8
5/8	15/16
21/32	1
11/16	1 1/16
23/32	1 1/8
3/4	1 3/16
25/32	1 1/4



INDUSTRIAL HIGH SPEED DRILLS

MECHANICS LENGTH
BLACK FINISH TREATED
135 DEGREE SPLIT POINT

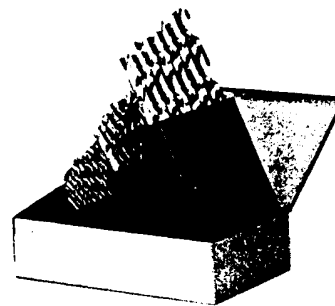
135 DEGREE SPLIT POINT

135 DEGREE SPLIT POINT DRILLS START "BITING" RIGHT AWAY AND PENETRATES FASTER WITH LESS PRESSURE. BECAUSE THE CHISEL END IS SPLIT, RESULTING IN FOUR CUTTING EDGES INSTEAD OF TWO, DRILLS WITH A 135 DEGREE SPLIT POINT WILL NOT "WALK" OR "WANDER."



STANDARD HIGH SPEED DRILLS

JOBBER LENGTH
BRIGHT FINISH
118 POINT



HIGH SPEED STEEL DRILL SETS IN STEEL INDEXES

JOBBER LENGTH



118° POINT

PART NUMBER	SIZE
DR 16 40S J	1/64
DR 13 20S J	1/32
DR 36 40S J	3/64
DR 11 60S J	1/16
DR 56 40S J	5/64
DR 33 20S J	3/32
DR 76 40S J	7/64
DR 18 00S J	1/8
DR 96 40S J	9/64
DR 53 20S J	5/32
DR 11 64S J	11/64
DR 31 60S J	3/16
DR 13 64S J	13/64
DR 73 20S J	7/32
DR 15 64S J	15/64
DR 14 00S J	1/4
DR 17 64S J	17/64
DR 93 20S J	9/32
DR 19 64S J	19/64
DR 51 60S J	5/16
DR 21 64S J	21/64
DR 11 32S J	11/32
DR 23 64S J	23/64
DR 38 00S J	3/8
DR 25 64S J	25/64
DR 13 32S J	13/32
DR 27 64S J	27/64
DR 71 60S J	7/16
DR 29 64S J	29/64
DR 15 32S J	15/32
DR 31 64S J	31/64
DR 12 00S J	1/2

JOBBER LENGTH INDUSTRIAL QUALITY



135° POINT

PART NUMBER	SIZE
DR 11 609 J	1/16
DR 56 409 J	5/64
DR 33 209 J	3/32
DR 76 409 J	7/64
DR 18 009 J	1/8
DR 96 409 J	9/64
DR 53 209 J	5/32
DR 11 649 J	11/64
DR 31 609 J	3/16
DR 13 649 J	13/64
DR 73 209 J	7/32
DR 15 649 J	15/64
DR 14 009 J	1/4
DR 17 649 J	17/64
DR 93 209 J	9/32
DR 19 649 J	19/64
DR 51 609 J	5/16
DR 21 649 J	21/64
DR 11 329 J	11/32
DR 23 649 J	23/64
DR 38 009 J	3/8
DR 25 649 J	25/64
DR 13 329 J	13/32
DR 27 649 J	27/64
DR 71 609 J	7/16
DR 29 649 J	29.64
DR 15 329 J	15/32
DR 31 649 J	31/64
DR 12 009 J	1/2

WITH THE 135 SPLIT POINT THE DRILL STARTS "BITING RIGHT AWAY AND PENETRATES FASTER WITH LESS PRESSURE. BECAUSE THE CHISEL END IS SPLIT, RESULTING IN FOUR CUTTING EDGES INSTEAD OF TWO, WITH THE SPLIT POINTS IT WILL NOT "WALK" OR "WANDER."

THIS 135 POINT, COMBINED WITH A HEAT TREATMENT, RESULTS IN CUTTING EDGES THAT REMAIN SHARP LONGER WHEN DRILLING IN TOUGH MATERIALS.

COBALT

**JOBBER LENGTH
INDUSTRIAL QUALITY**



135° POINT

PARTNUMBER	SIZE
DR 11 60C J	1/16
DR 56 40C J	5/64
DR 33 20C J	3/32
DR 76 40C J	7/64
DR 18 00C J	1/8
DR 96 40C J	9/64
DR 53 20C J	5/32
DR 11 64C J	11/64
DR 31 60C J	3/16
DR 13 64C J	13/64
DR 73 20C J	7/32
DR 15 64C J	15/64
DR 14 00C J	1/4
DR 17 64C J	17/64
DR 93 20C J	9/32
DR 19 64C J	19/64
DR 51 60C J	5/16
DR 21 64C J	21/64
DR 11 32C J	11/32
DR 23 64C J	23/64
DR 38 00C J	3/8
DR 25 64C J	25/64
DR 13 32C J	13/32
DR 27 64C J	27/64
DR 71 60C J	7/16
DR 29 64C J	29/64
DR 15 32C J	15/32
DR 31 64C J	31/64
DR 12 00C J	1/2

1/4" SHANK

3/8" SHANK

118° POINT

DR 93 20S 4	9/32
DR 51 60S 4	5/16
DR 11 32S 4	11/32
DR 38 00S 4	3/8
DR 13 32S 4	13/32
DR 71 60S 4	7/16
DR 15 32S 4	15/32
DR 12 00S 4	1/2



118° POINT

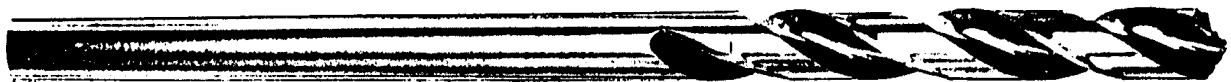
DR 25 64S 3	25/64
DR 13 32S 3	13/32
DR 27 64S 3	27/64
DR 71 60S 3	7/16
DR 29 64S 3	29/64
DR 15 32S 3	15/32
DR 31 64S 3	31/64
DR 12 00S 3	1/2



135° POINT

DR 25 649 3	25/64
DR 13 329 3	13/32
DR 27 649 3	27/64
DR 71 609 3	7/16
DR 29 649 3	29/64
DR 15 329 3	15/32
DR 31 649 3	31/64
DR 12 009 3	1/2

AIRCRAFT EXTENSION 135° POINT



DR 11 609 A	1/16
DR 33 209 A	3/32
DR 18 009 A	1/8
DR 53 209 A	5/32
DR 31 609 A	3/16
DR 73 209 A	7/32
DR 14 009 A	1/4
DR 93 209 A	9/32

DR 51 609 A	5/16
DR 11 329 A	11/32
DR 38 009 A	3/8
DR 13 329 A	13/32
DR 71 609 A	7/16
DR 15 329 A	15/32
DR 12 009 A	1/2

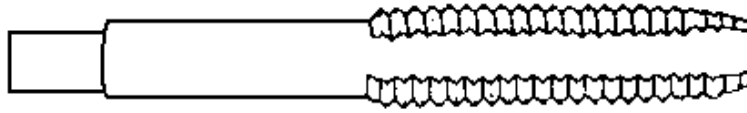
LARGE SIZES

1/2" SHANK



118° POINT

PARTNUMBER	SIZE	PARTNUMBER	SIZE
DR 33 64S 2	33/64	DR 55 64S 2	55/64
DR 17 32S 2	17/32	DR 78 00S 2	7/8
DR 35 64S 2	35/64	DR 57 64S 2	57/64
DR 91 60S 2	9/16	DR 29 32S 2	29/32
DR 37 64S 2	37/64	DR 59 64S 2	59/64
DR 19 32S 2	19/32	DR 15 16S 2	15/16
DR 39 64S 2	39/64	DR 61 64S 2	61/64
DR 58 00S 2	5/8	DR 31 32S 2	31/32
DR 41 64S 2	41/64	DR 63 64S 2	63/64
DR 21 32S 2	21/32	DR 10 00S 2	1
DR 43 64S 2	43/64	DR X1 33S 2	1 1/32
DR 11 16S 2	11/16	DR X1 16S 2	1 1/16
DR 45 64S 2	45/64	DR X1 33S 2	1 3/32
DR 23 32S 2	23/32	DR X1 18S 2	1 1/8
DR 47 64S 2	47/64	DR X1 53S 2	1 5/32
DR 34 00S 2	3/4	DR X1 31S 2	1 3/16
DR 49 64S 2	49/64	DR X1 73S 2	1 7/32
DR 25 32S 2	25/32	DR X1 14S 2	1 1/4
DR 51 64S 2	51/64	DR X1 56S 2	1 5/16
DR 13 16S 2	13/16	DR X1 38S 2	1 3/8
DR 53 64S 2	53/64	DR X1 76S 2	1 7/16
DR 27 32S 2	27/32	DR X1 12S 2	1 1/2



PLUG STYLE

3 TO 5 THREADS
CHAMFERED

TAPER STYLE

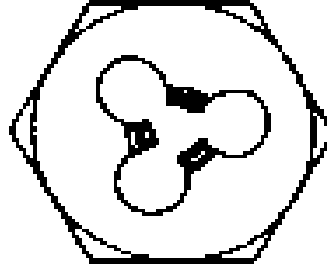
8 TO 10 THREADS
CHAMFERED

BOTTOMING STYLE

1 TO 1 1/2 THREADS
CHAMFERED

SIZES

TS P4 400 0	TS T4 400 0	TS B4 400 0	4-40 NC
TS P6 320 0	TS T6 320 0	TS B6 320 0	6-32 NC
TS P8 320 0	TS T8 320 0	TS B8 320 0	8-32 NC
TS P1 024 0	TS T1 024 0	TS B1 024 0	10-24 NC
TS P1 032 0	TS T1 032 0	TS B1 032 0	10-32 NF
TS P1 420 0	TS T1 420 0	TS B1 420 0	1/4-20 NC
TS P1 428 0	TS T1 428 0	TS B1 428 0	1/4-28 NF
TS P5 161 8	TS T5 161 8	TS B5 161 8	5/16-18 NC
TS P5 162 4	TS T5 162 4	TS B5 162 4	5/16-24 NF
TS P3 816 0	TS T3 816 0	TS B3 816 0	3/8-16 NC
TS P3 824 0	TS T3 824 0	TS B3 824 0	3/8-24 NF
TS P7 161 4	TS T7 161 4	TS B7 161 4	7/16-14 NC
TS P7 162 4	TS T7 162 4	TS B7 162 4	7/16-24 NF
TS P1 213 0	TS T1 213 0	TS B1 213 0	1/2-13 NC
TS P1 220 0	TS T1 220 0	TS B1 220 0	1/2-20 NF
TS P9 161 2	TS T9 161 2	TS B9 161 2	9/16-12 NC
TS P9 161 8	TS T9 161 8	TS B9 161 8	9/16-18 NF
TS P5 811 0	TS T5 811 0	TS B5 811 0	5/8-11 NC
TS P5 818 0	TS T5 818 0	TS B5 818 0	5/8-18 NF
TS P3 410 0	TS T3 410 0	TS B3 410 0	3/4-10 NC
TS P3 416 0	TS T3 416 0	TS B3 416 0	3/4-16 NF
TS P7 890 0	TS T7 890 0	TS B7 890 0	7/8-9 NC
TS P7 814 0	TS T7 814 0	TS B7 814 0	7/8-14 NF
TS P1 800 0	TS T1 800 0	TS B1 800 0	1-8 NC
TS P1 120 0	TS T1 120 0	TS B1 120 0	1-12 NF
TS P1 140 0	TS T1 140 0	TS B1 140 0	1-14 NF



HEXAGON DIES

D1 H4 400 0
D1 H6 320 0
D1 H8 320 0
D1 H1 024 0
D1 H1 032 0
D1 H1 420 0
D1 H1 428 0
D1 H5 161 8
D1 H5 162 4
D1 H3 816 0
D1 H3 824 0
D1 H7 161 4
D1 H7 162 4
D1 H1 213 0
D1 H1 220 0
D1 H9 161 8
D1 H9 162 4
D1 H5 811 0
D1 H5 818 0
D1 H3 410 0
D1 H3 416 0
D1 H7 890 0
D1 H7 814 0
D1 H1 800 0
D1 H1 120 0
D1 H1 140 0

RETHREADING DIES

D1 R4 400 0
D1 R6 320 0
D1 R8 320 0
D1 R1 024 0
D1 R1 320 0
D1 R1 420 0
D1 R1 428 0
D1 R5 161 8
D1 R5 162 4
D1 R3 816 0
D1 R3 824 0
D1 R7 161 4
D1 R7 162 4
D1 R1 213 0
D1 R1 220 0
D1 R9 161 2
D1 R9 161 8
D1 R5 811 0
D1 R5 818 0
D1 R3 410 0
D1 R3 416 0
D1 R7 890 0
D1 R7 814 0
D1 R1 800 0
D1 R1 120 0
D1 R1 140 0

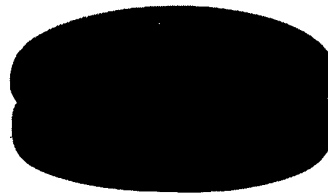
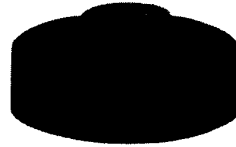
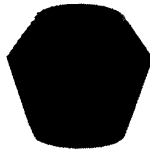
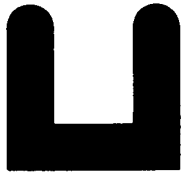
SIZES

4-40 NC
6-32 NC
8-32 NC
10-24 NC
10-32 NF
1/4-20 NC
1/4-28 NF
5/16-18 NC
5/16-24 NF
3/8-16 NC
3/8-24 NF
7/16-14 NC
7/16-24 NF
1/2-13 NC
1/2-20 NF
9/16-12 NC
9/16-18 NF
5/8-11 NC
5/8-18 NF
3/4-10 NC
3/4-16 NF
7/8-9 NC
7/8-14 NF
1-8 NC
1-12 NF
1-14 NF

Alpine Supply

We have Connections!

RUBBER PRODUCTS



RUBBER PRODUCTS AVAILABLE SEE APPROPRIATE CATALOG

BUMPERS
BUMPONS
BUSHINGS
CAPS
CHANNEL- U & P
EXTRUDED PRODUCTS
O-RINGS
RUBBER CORDS

STOPPERS
SUCTION CUPS
TIPS
WASHERS
WEATHERSTRIPS

MANY OTHER RUBBER
PRODUCTS

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"O" RINGS
(ACTUAL SIZE)

1/16



1/8X1/4
OR 18 140 0



5/32X9/32
OR 53 293 2



3/16X5/16
OR 31 651 6



7/32X11/32
OR 73 213 2



1/4X3/8
OR 14 380 0

1/16



5/16X7/16
OR 51 671 6

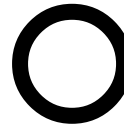


3/8X1/2
OR 38 120 0

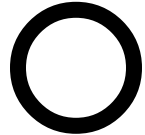
3/32



3/8X9/16
OR 38 916 0

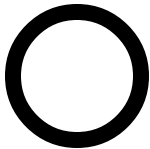


7/16X5/8
OR 71 658 0

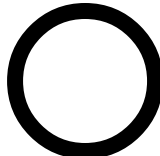


1/2X11/16
OR 12 111 6

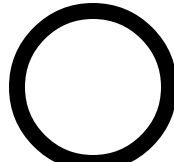
3/32



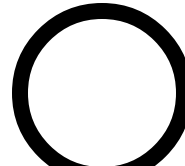
9/16X3/4
OR 91 634 0



5/8X13/16
OR 58 131 6

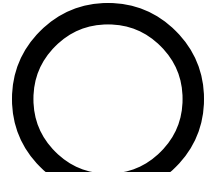


11/16X7/8
OR 11 167 8



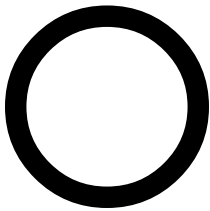
3/4X15/16
OR 34 151 6

1/8

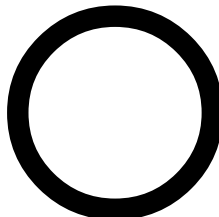


3/4X1
OR 34 100 0

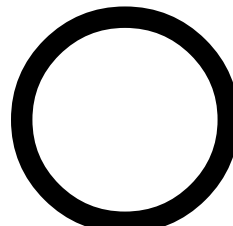
1/8



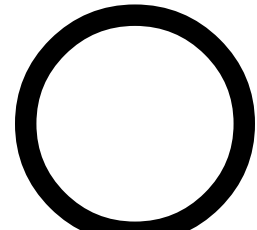
13/16X1 1/16
OR 13 111 6



7/8X1 1/8
OR 78 118 0



15/16X1 3/16
OR 15 613 6



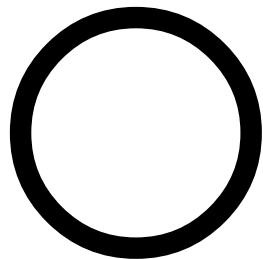
1X1 1/4
OR 11 140 0

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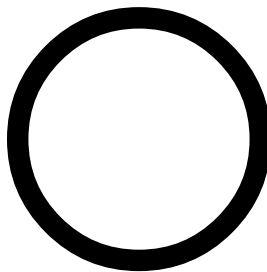
We have Connections!

**"O" RINGS
(ACTUAL SIZE)**

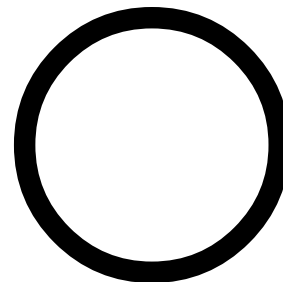
1/8



**1 1/16X1 5/16
OR 11 615 6**

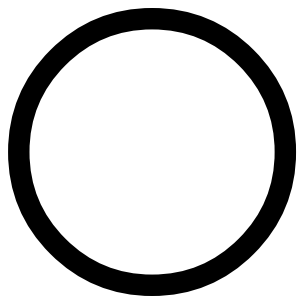


**1 1/8X1 3/8
OR 11 813 8**

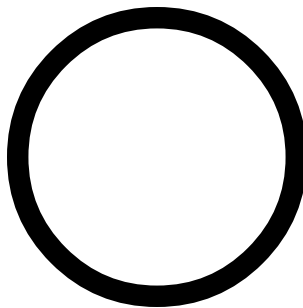


**1 3/16X1 7/16
OR 13 617 6**

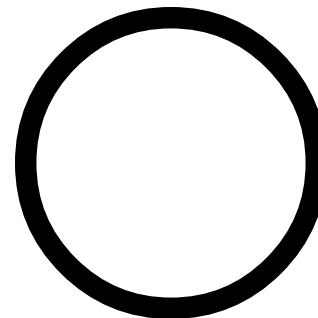
1/8



**1 1/4X1 1/2
OR 11 411 2**

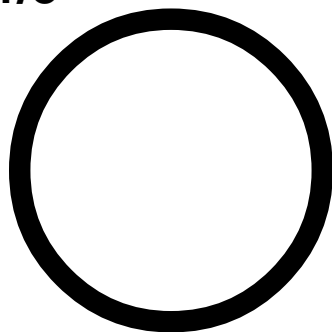


**1 5/16X1 9/16
OR 15 619 6**

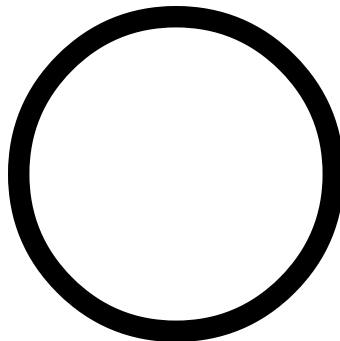


**1 3/8X1 5/8
OR 13 815 8**

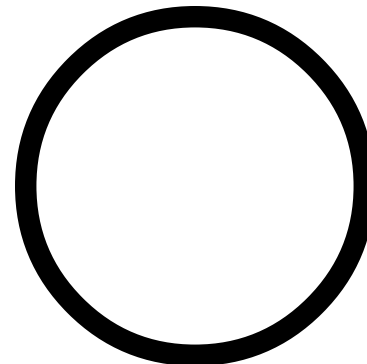
1/8



**1 7/16X1 11/16
OR 17 611 6**



**1 1/2X1 3/4
OR 11 213 4**



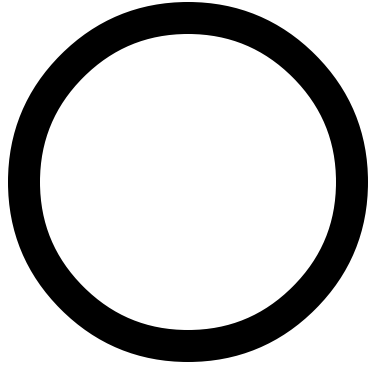
**1 1/2X1 7/8
OR 11 217 8**

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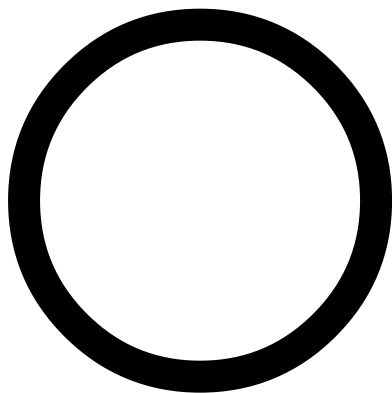
We have Connections!

"O" RINGS
(ACTUAL SIZE)

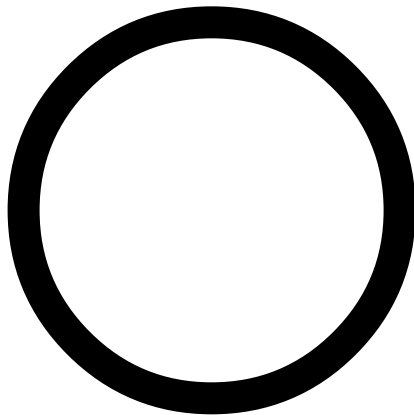
3/16



1 1/2 X 1 7/8
OR 11 217 8



1 5/8 X 2
OR 15 820 0



1 3/4 X 2 1/8
OR 17 521 8

Alpine Supply

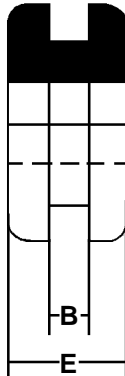
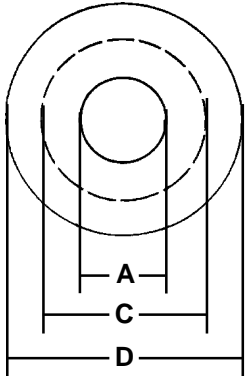
We have Connections!

"O" RINGS



PART NUMBER	INSIDE DIAMETER	OUTSIDE DIAMETER
OR 18 140 0	1/8	1/4
OR 53 293 2	5/32	9/32
OR 31 651 6	3/16	5/16
OR 73 213 2	7/32	11/32
OR 14 380 0	1/4	3/8
OR 51 671 6	5/16	7/16
OR 38 120 0	3/8	1/2
OR 38 916 0	3/8	9/16
OR 71 658 0	7/16	5/8
OR 12 111 6	1/2	11/16
OR 91 634 0	9/16	3/4
OR 58 131 6	5/8	13/16
OR 11 167 8	11/16	7/8
OR 34 151 6	3/4	15/16
OR 34 100 0	3/4	1
OR 13 116 0	13/16	1 1/16
OR 78 118 0	7/8	1 1/8
OR 15 613 6	15/16	1 3/16
OR 11 140 0	1	1 1/4
OR 11 615 6	1 1/16	1 5/16
OR 11 813 8	1 1/8	1 3/8
OR 13 617 6	1 3/16	1 7/16
OR 11 411 2	1 1/4	1 1/2
OR 15 619 6	1 5/16	1 9/16
OR 13 815 8	1 3/8	1 5/8
OR 17 611 6	1 7/16	1 11/16
OR 11 213 4	1 1/2	1 3/4
OR 11 217 8	1 1/2	1 7/8
OR 15 820 0	1 5/8	2
OR 17 521 8	1 3/4	2 1/8

GROMMETS

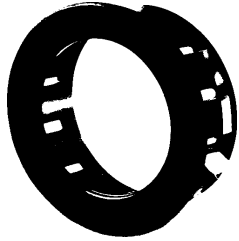


PART NUMBER	A	B	C	D	E
GH PE BEC 2	1/8	1/16	1/4	11/32	3/16
GH PG ABA 2	1/8	1/32	3/16	1/4	3/32
GH PT KPF 2	1/8	1/8	9/16	3/4	1/4
GH AA DG1 2	3/16	3/16	5/16	7/16	5/16
GH AE DJF 2	3/16	1/16	5/16	1/2	1/4
GH AT DGF 2	3/16	1/8	5/16	7/16	1/4
GH BB HML 4	1/4	1/4	7/16	5/8	3/8
GH BE FJF 2	1/4	1/16	3/8	1/2	1/4
GH BT HML 2	1/4	1/8	7/16	5/8	3/8
GH DE HMF 2	5/16	1/16	7/16	5/8	1/4
GH DE KU1 2	5/16	1/16	9/16	13/16	5/16
GH FA KUL 2	3/8	3/16	9/16	13/16	3/8
GH FB JPP 2	3/8	1/4	1/2	3/4	1/2
GH FB MTP 2	3/8	1/4	5/8	7/8	1/2
GH FE JMF 2	3/8	1/16	1/2	5/8	1/4
GH FE JNG 2	3/8	1/16	1/2	11/16	9/32
GH FE MT1 2	3/8	1/16	5/8	7/8	5/16
GH FE Y1F 2	3/8	1/16	1	1 1/4	1/4
GH FT JMN 2	3/8	1/8	1/2	5/8	13/32
GH FT MTL 2	3/8	1/8	5/8	7/8	3/8
GH JA SY0 2	1/2	3/16	13/16	1 1/16	7/16
GH JE MUG 2	1/2	1/16	5/8	13/16	9/32
GH JE SY1 2	1/2	1/16	13/16	1 1/16	5/16
GH JK OEG 2	1/2	3/32	3/4	11/32	9/32
GH JK OZG 2	1/2	3/32	3/4	31/32	9/32
GH KA SY0 2	9/16	3/16	13/16	1 1/16	7/16
GH OE 66F 2	5/8	1/16	1 1/4	1 1/2	1/4
GH OE T21 2	5/8	1/16	7/8	1 1/8	5/16
GH OL X2R 2	5/8	5/16	29/32	1 1/8	5/8
GH OT T2L 2	5/8	1/8	7/8	1 1/8	3/8
GH QE YSL 2	11/16	1/16	1	15/16	3/8
GH WE 33L 2	3/4	1/16	1 1/16	1 3/8	3/8
GH WE 60F 2	3/4	1/16	1 1/4	45/64	1/4
GH WE 67F 2	3/4	1/16	1 1/4	1 5/8	1/4
GH YA 67Q 2	7/8	3/16	1 1/4	1 5/8	9/16
GH YB 67R 2	7/8	1/4	1 1/4	1 5/8	5/8
GH YE 67O 2	7/8	1/16	1 1/4	1 5/8	7/16
GH ZE 88O 2	1	1/16	1 3/8	1 3/4	7/16
GH 2T 88P 2	1 1/8	1/8	1 3/8	1 3/4	1/2
GH 4A ^#Q 2	1 1/2	3/16	1 3/4	2 1/8	9/16
GH 4B ?^R 2	1 1/2	1/4	1 3/4	2	5/8
GH 4B ^^P 2	1 1/2	1/4	1 3/4	2	1/2

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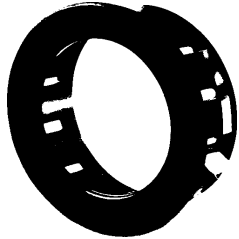
We have Connections!

SNAP BUSHINGS



PART NUMBER	MAXIMUM THICKNESS	MOUNTING HOLE DIAMETER	UL/CSA DESCRIPTION	INSIDE DIAMETER	HEAD DIAMETER
SB 20 03B K	.040	.250	SB 250-040	1/8	5/16
SB 20 00B K	.062	.250	SB 250-2	1/8	5/16
SB 20 10B K	.062	.312	SB 312-3	3/16	3/8
SB 20 20B K	.125	.375	SB 375-3	3/16	15/32
SB 20 30B K	.125	.375	SB 375-4	1/4	15/32
SB 20 17B K	.171	.375	SB 375-281	9/32	15/32
SB 20 38B K	.125	.437	SB 437-4	1/4	17/32
SB 20 43B K	.125	.437	SB 437-5	5/16	17/32
SB 20 42B K	.125	.437	SB 437-243	.243	17/32
SB 20 58B K	.125	.500	SB 500-4	1/4	37/64
SB 20 49B K	.125	.500	SB 500-5	5/16	37/64
SB 20 53B K	.125	.500	SB 500-6	3/8	37/64
SB 20 60B K	.125	.562	SB 562-5	5/16	21/32
SB 20 63B K	.125	.562	SB 562-6	3/8	21/32
SB 20 66B K	.125	.562	SB 562-73	7/16	21/32
SB 20 75B K	.125	.625	SB 625-4	1/4	23/32
SB 20 70B K	.125	.625	SB 625-7	7/16	23/32
SB 20 73B K	.125	.625	SB 625-8	1/2	23/32
SB 28 30B K	.250	.625	SB 625-500	.500	45/64
SB 20 83B K	.125	.687	SB 687-8	1/2	25/32
SB 20 86B K	.125	.687	SB 687-9	9/16	25/32
SB 20 90B K	.125	.750	SB 750-6	3/8	27/32
SB 20 92B K	.125	.750	SB 750-8	1/2	27/32
SB 20 93B K	.125	.750	SB 750-9	9/16	27/32
SB 20 96B K	.125	.750	SB 750-10	39/64	27/32
SB 28 40B K	.250	.750	SB 750-625	.625	53/64

SNAP BUSHINGS

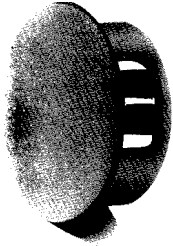


PART NUMBER	MAXIMUM THICKNESS	MOUNTING HOLE DIAMETER	UL/CSA DESCRIPTION	INSIDE DIAMETER	HEAD DIAMETER
SB 21 00B K	.125	.812	SB 812-9	9/16	57/64
SB 21 03B K	.125	.812	SB 812-10	5/8	57/64
SB 21 10B K	.125	.875	SB 875-6	3/8	61/64
SB 21 13B K	.125	.875	SB 875-7	7/16	61/64
SB 21 16B K	.125	.875	SB 875-8	1/2	61/64
SB 21 20B K	.125	.875	SB 875-9	9/16	61/64
SB 21 23B K	.125	.875	SB 875-10	5/8	61/64
SB 21 26B K	.125	.875	SB 875-11	11/16	61/64
SB 21 40B K	.125	1.000	SB 1000-12	3/4	1-1/8
SB 21 60B K	.125	1.093	SB 1093-13	13/16	1-7/32
SB 21 63B K	.125	TO	SB 1093-14	7/8	1-7/32
SB 21 66B K	.125	1.125	SB 1093-15	15/16	1-7/32
SB 21 68B K	.156	1.093	SB 1093-937	15/16	1-7/32
SB 21 82B K	.125	1.187	SB 1187-15	15/16	1-5/16
SB 21 98B K	.125	1.25	SB 1250-15	15/16	1-23/64
SB 22 01B K	.125	1.25	SB 1250-16	1	1-23/64
SB 22 07B K	.125	1.375	SB 1375-14	7/8	1-15/32
SB 22 10B K	.125	1.375	SB 1375-16	1	1-15/32
SB 22 33B K	.125	1.50	SB 1500-17	1-1/16	1-39/64
SB 22 36B K	.125	1.50	SB 1500-18	1-1/8	1-39/64
SB 22 40B K	.125	1.50	SB 1500-21	1-5/16	1-39/64
SB 23 00B K	.125	1.75	SB 1500-22	1-3/8	1-7/8
SB 24 00B K	.125	2.00	SB 2000-26	1-5/8	2-1/8

Alpine Supply

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DOME PLUGS



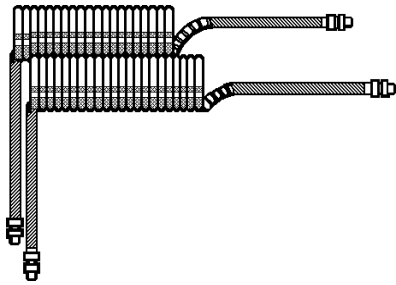
PART NUMBER	MAXIMUM THICKNESS	MOUNTING HOLE DIAMETER	UL/CSA DESCRIPTION	HEAD DIAMETER	OVERALL HEIGHT
SP 25 90B K	.062	.187	DP-187	1/4	15/64
SP 26 03B K	.062	.250	DP-250	5/16	5/16
SP 26 13B K	.062	.312	DP-312	3/8	5/16
SP 26 17B K	.125	.375	DP-375	15/32	13/32
SP 26 33B K	.125	.437	DP-437	17/32	13/32
SP 26 43B K	.125	.500	DP-500	37/64	13/32
SP 26 53B K	.125	.562	DP-562	21/32	13/32
SP 26 63B K	.125	.625	DP-625	23/32	13/32
SP 26 73B K	.125	.687	DP-687	25/32	13/32
SP 26 83B K	.125	.750	DP-750	59/64	13/32
SP 26 93B K	.125	.812	DP-812	57/64	13/32
SP 27 03B K	.125	.875	DP-875	1-1/64	29/64
SP 27 13B K	.125	1.000	DP-1000	1-13/64	29/64
SP 27 23B K	.125	1.093	DP-1093	1-7/32	29/64
SP 27 33B K	.125	1.187	DP-1187	1-5/16	29/64
SP 27 40B K	.125	1.250	DP-1250	1-3/8	29/64
SP 27 53B K	.125	1.375	DP-1375	1-1/2	29/64
SP 27 63B K	.125	1.500	DP-1500	1-43/64	29/64
SP 27 73B K	.125	1.750	DP-1750	1-29/32	29/64
SP 27 83B K	.125	2.000	DP-2000	2-9/64	15/32

RUBBER STRAPS



<u>PART NUMBER</u>	<u>LENGTH</u>	<u>SPAN</u>
TD RB 009 B	9" BLACK RUBBER STRAP	15" TO 20"
TD RB 015 B	15" BLACK RUBBER STRAP	20" TO 30"
TD RB 022 B	22" BLACK RUBBER STRAP	30" TO 40"
TD RB 031 B	31" BLACK RUBBER STRAP	40" TO 55"

AIR BRAKE COIL SETS



SET PART NUMBER	MALE ENDS	WORKING LENGTH (FT)
TU CA 120 8	1/2 MPT	12'
TU CA 150 8	1/2 MPT	15'

AIR BRAKE TUBING

PART NUMBER	NOMINAL O.D. (IN.)	NOMINAL WALL (IN.)	MIN. BURST PSI	MIN. BEND RADIUS	COIL LENGTH
TU N1 800 D	1/8	.023	1000	3/8	2000
TU N5 320 B	5/32				
TU N1 400 D	1/4	.040	1200	1	1000
TU N3 800 D	3/8	.062	1400	1 1/2	500
TU N1 200 D	1/2	.061	950	2	500
TU N5 800 D	5/8	.092	900	2 1/2	250
TU N3 400 D	3/4	.092	800	3	250

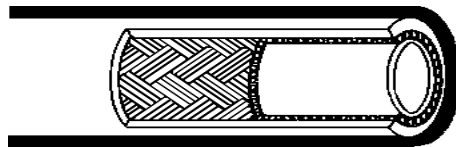


SAE J844 TYPE A SINGLE WALL EXTRUDED NYLON
(1/8" AND 1/4" SIZE)



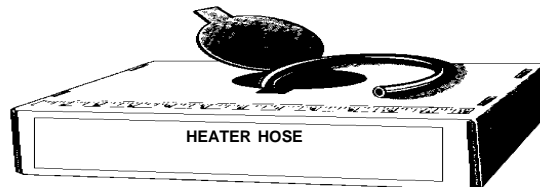
SAE J844 TYPE B EXTRUDED NYLON INNER TUBE.
ONE LAYER OF OPEN PLY FIBER REINFORCEMENT AND
A NYLON OUTER COVER.(3/8", 1/2", 5/8" AND 3/4" SIZE)
TEMPERATURE RANGE 40°F TO 200°F

FUEL LINE HOSE



HS F3 160 0	3/16" ID
HS F1 400 0	1/4" ID
HS F5 160 0	5/16" ID
HS F3 800 0	3/8" ID
HS F1 200 0	1/2" ID
HS F5 800 0	5/8" ID

HEATER HOSE



HS H1 200 R	1/2" RED
HS H1 200 B	1/2" BLACK
HS H5 800 R	5/8" RED
HS H5 800 B	5/8" BLACK
HS H3 400 R	3/4" RED
HS H3 400 B	3/4" BLACK
HS H1 000 B	1" BLACK

VACUUM & WINDSHIELD WASHER TUBING



TU V3 320 0	3/32" ID	FOR 5/64" NIPPLES
TU V7 640 0	7/64" ID	FOR 1/8" NIPPLES
TU V5 320 0	5/32" ID	FOR 3/16" NIPPLES
TU V7 320 0	7/32" ID	FOR 1/4" NIPPLES
TU V9 320 0	9/32" ID	FOR 5/16" NIPPLES

CLEANING PRODUCTS

- CH DY 001 B** **Rug and Upholstery Shampoo**
High foaming concentrate for cleaning by machine or manual methods. Emulsifies and dissolves soils. Will also clean grease, lipstick and other similar stains. Dilution rate of 2-4 oz. per gallon of water.
- CH DY 004 B** **All Purpose Detergent Concentrate**
Cleaning detergent that requires no rinsing. May be used by mop, spray or spot cleaning. Cleans any surface not harmed by water. Dilution rate of 2 oz. per gallon of water. USDA:A1
- CH DY 011 B** **Alpha Concentrate**
Universal wax stripper for all types of finishes. Contains no ammonia and is safe for use on all resilient flooringsurfaces. Dilute 1 part to 3 parts of water for mop work. Use at 2 oz. per gallon in auto scrub machines. USDA: C-1
- CH DY 015 B** **Glass and Utility Cleaner Concentrate**
Highly concentrated, non-streaking, glass cleaner which can be used at any temperature. May be diluted with up to 6 parts of water. USDA: C-1
- CH DY 018 B** **Deoxidizing Chemical Cleaner with SafeGaurd Tamed Acid**
Safe, chemical cleaner which does not attack skin like other acids. Removes lime, water and concrete scale, mineral deposits, and stains on brass and copper without harmful fumes. Ready-to-use. USDA: A-3
- CH DY 077 A** **Lemon Wax Cream Furniture Polish**
CH DY 077 Q Fine grade polish cleans and protects furniture surfaces. Specially formulated for use on fine furniture. Contains synthetic wax and natural lemon oil.
- CH DY 078 A** **Liquid Jell Vandel Mark Remover**
CH DY 078 B New jelled remover will not drip or run off. Removes lipstick, grease, ink and crayons from all non-porous surfaces. Ready-to-use. USDA: C-1
- CH DY 079 A** **Stainless Steel Cleaner and Polish**
Aunique cleaner/polisher combination that leaves an invisible protective finish on all stainless steel surfaces. Contains no acid or abrasives to mar original surface beauty. USDA accepted. Ready-to-use. USDA: C-1
- CH DY 080 A** **Do-It-All Germicidal Foaming Cleaner**
CH DY 080 B Effective germicidal foam that cleans, disinfects and deodorizes in one simple application.
CH DY 080 Q Foam clings to all areas including vertical surfaces. Effective against Herpes Simplex Virus type I & II and HIV-1 (AIDS virus). Ready-to-use. EPA #11694-88 and 11694-34
USDA: C-2

CLEANING PRODUCTS

- CH DY 082 A** **Dustmop Treatment and Maintainer**
CH DY 082 B Approved for all composition floors, emulsifiable treatment cleans, polishes and protects. Mops can easily be cleaned in water after use. Ready-to-use
- CH DY 082 A** **Jell Oven Cleaner**
CH DY 082 B Fast acting jell eliminates scraping while quickly removing greasy wastes and baked-on carbon. Ready-to-use. USDA: A-8
- CH DY 084 A** **Gum-Free Chewing Gum and Wax Remover**
Remover "freezes" gum and wax into a brittle condition for easy removal. Will not damage fabrics or cause color bleed-out. Ready-to-use.
- CH DY 091 A** **Stay-N-Strip All Purpose Paint Stripper**
CH DY 091 B Fast acting aerosol paint stripper that removes most paints from a variety of surfaces. Softened paint may be removed with water. Ready-to-use. USDA: C-3
- CH DY 092 A** **De-Icer**
Removes ice and frost from windows, automobiles, trains and aircraft. Ready-to-use.
- CH DY 094 A** **Battery Cleaner and Protector**
Battery cleaner with acid indicator. Contains an excellent corrosion inhibitor to prevent future battery corrosion. Ready-to-use.
- CH DY 095 A** **Safety Solvent Cleaner and Degreaser**
Aerosol solvent for the most difficult cleaning problems, especially around machinery and electrical components. Ready-to-use. USDA: K-2
- CH DY 103 A** **Electric Parts Cleaner and Degreaser**
Cleans electronic and mechanical contact points in seconds. Will not harm plastics, metals or electrical insulation. Ready-to-use. USDA: K-2
- CH DY 113 B** **Liquid Steam Cleaner**
Heavy duty cleaner removes heavy grease, all, and dirt from metal or concrete surfaces. Not recommended for aluminum. May be diluted with up to 20 parts of water.
- CH DY 119 A** **Spot Foam Carpet Cleaner**
Multiple use cleaner that rinses without heavy rings or residue. Works well on all types of rugs, draperies, upholstery, vinyl, rubber and similar surfaces. Ready-to-use.
- CH DY 120 A** **Clean-N-Shine Glass and Utility Cleaner**
Cleaner easily dissolves smudges, film and grime. Ready-to-use. USDA: C-1
- CH DY 122 A** **Carburetor Cleaner**
Cleans without disassembling. Dissolves varnish, gum, tetraethyl, lead and similar deposits. Ready-to-use.

CLEANING PRODUCTS

- CH DY 124 Q Bowl Kleen 200**
Contains a deep penetrating agent that loosens encrusted lime deposits, soil, stains and scum. EPA #11694-27 Ready-to-use. USDA: C-2
- CH DY 125 Q SafeGuard tamed Acid Concentrated Bowl Cleaner and Deodorizer**
Highly concentrated cleaner with SafeGuard tamed acid. Will not attack skin like other acids. Ready-to-use. USDA: C-2
- CH DY 126 B Pink Power Acid Bowl, Tile Grout, and Porcelain Cleaner**
Quickly and safely removes rust, scale and organic materials from all types of porcelain facilities. Ready-to-use. USDA: C-2
- CH DY 166 B Power Foam Heavy-Duty Butyl Cleaner and Degreaser**
CH DY 166 Q
Foam cleaner that safely removes heavy grease and soil deposits with heavy-duty penetrating and emulsifying action. Ready-to-use. USDA: C-1
- CH DY 176 B DC-425 Disinfectant Cleaner**
CH DY 176 Q
A hospital-qualified disinfectant detergent. Cleaner is bacteriostatic, fungicidal, and virucidal against a variety of infectious organisms. Dilutes 2 oz. per gallon of water. EPA #11694-75. USDA: A-4
- CH DY 196 B Sweet and Gentle Liquid Dish Washing Soap**
Combines superior cleaning with a gentle lotion for hand dishwashing. Penetrates and emulsifies grease to actually float it away. 2-3 oz. diluted with warm water.
- CH DY 202 A Metal Creme Cleaner and Polish**
A unique cleaner and polish that completely removes oxidation and tarnish from all metal surfaces. Removes rust from metal and fine scratches from glass plastics. Ready-to-use.
- CH DY 204 B Granulated Sewer Solvent**
Newly developed prilled drain opener-cleaner that will dissolve and liquify hair, grease, protein matter, fat, oils, soaps and lime. Safe on plastic and metal piping if used correctly. Ready-to-use.
- CH DY 205 B Safety Solvent-Regular Grade**
Regular grade safety solvent for the most difficult cleaning problems. Ready-to-use.
- CH DY 209 A Stainless Steel Polish-Oil Base**
CH DY 209 B
Cleans and preserves stainless steel. For use by restaurants, hospitals, etc. Ready-to-use.
- CH DY 214 A Lemon Glo Polish**
Restores natural wood oils while removing stains, smudges and fingerprints. Ready-to-use.

CLEANING PRODUCTS

- CH DY 216 B Butyl Floor and Equipment Cleaner**
Our premium concentrated cleaner and degreaser that is three times stronger than other cleaners of this type. May be diluted 2-6 oz. per gallon of water.
- CH DY 225 A Brake Parts Cleaner**
Fast drying; removes brake fluid, grease and oil without disassembling the brake unit. Non-corrosive; leaves no residue. Cleans and degreases all brake parts including linings. Ready-to-use.
- CH DY 226 B All You Need Non-Butyl Cleaner**
Biodegradable and phosphate-free this cleaner contains the most powerful degreasing agents found in any chemical product of its type. Easy to rinse and completely soluble in water. Dilute 2-6 oz. per gallon of water. USDA: A-1
- CH DY 228 B Artic Clean Locker and Equipment Cleaner**
Specifically designed to provide fast, efficient and practical means for cleaning anywhere at below freezing conditions. Ready-to-use. USDA: A-5
- CH DY 233 B Liquid Alive Bacteria with Instant Odor Control, Synergized**
CH DY 233 Q
Specially developed product consisting of synergized bacteria: aerobic, anaerobic and facultative. Product digests organic waste, liquifies fats, proteins, carbohydrates and grease. Reduces BOD and COD while being harmless to plants, marine and animal life. Use rate varies depending on conditions. USDA: L -2
- CH DY 239 A Problem solver Jelled Cleaner**
New jelled, heavy-duty cleaner designed to remove wax and soils from baseboards and other vertical surfaces. Removes multiple layers of wax in one operation without harmful abrasives or obnoxious odors. Ready-to-use. USDA: A-4, C-1
- CH DY 245 B Fast-Off Griddle and Frypan Cleaner**
Highly concentrated cleaner designed to remove heavy deposits from griddles, fryers, ovens and hoods. Completely biodegradable and free of harsh abrasives. Diluted 4-8 oz. per gallon of water. USDA: A-8
- CH DY 247 B Lime Away Lime Remover**
Highly concentrated lime and scale remover for use on all metal porcelain, glass and chrome surfaces. 8 oz. of remover per gallon of water used. USDA: A-3
- CH DY 252 B Butyl Heavy Duty Cleaner and Degreaser**
A blue, concentrated cleaner and degreaser with great versatility and economy. Rust inhibited and safe to use on anything that can be washed with water. Dilutes up to 1:40.

CLEANING PRODUCTS

- CH DY 232 A Lemon Oil Furniture Polish**
Polish cleans and leaves a dust free protective film on wood, metal, formica, plastic and vinyls. Ready-to-use.
- CH DY 324 A Lemon Duster**
Cleans without wax build-up while leaving a non-slippery treatment to attract soil. Protects fine wood finishes. Ready-to-use.
- CH DY 325 B Free and Easy Speed Stripper**
Removes all types of floor waxes, finishes and sealers-including metal interlock finishes-without costly floor machines, stripping pads or rinsing. A mop and pail is all that is required to do the job. Normal use dilution with 5 parts of water.
- CH DY 333 A Anti-Static Glass Cleaner**
This product can be used on any glass or plastic surface where static electricity, soil, dust, etc. builds up. Leaves an invisible film for long term protection. Ready-to-use. USDA: C-1
- CH DY 334 A Liquid Alive Enzyme Digestant**
CH DY 334 Q
A liquid dry cleaner, stain remover, enzyme digestant and deodorizer designed for use on soiled carpets, upholstery, textiles, vinyls, leather and synthetics. Ready-to-use.
- CH DY 335 Q Liquid Alive Bio Scub Creme Cleanser**
Product continues to work long after initial cleaning by seeding the area with viable bacteria which liquifies and digests organic waste. Ready-to-use. USDA: C-2
- CH DY 336 B Liquid Alive Odor Digestant**
CH DY 336 Q
Biodegradable control to instant and residual odor control. Will not stain fabrics and is non-toxic to humans and animals. Use rate depends on conditions. USDA: C-1
- CH DY 337 B Asiduf foam Heavy-Duty Foaming Bathroom Cleaner**
CH DY 337 Q
All-in-one product cleans, shines, deodorizes and deoxidizes. Stable foam with ordinary trigger sprayer. Cleans up to five times more area than most ordinary sanitary detergents. Ready-to-use. USDA: C-2
- CH DY 340 B All You Need Plus Citrus Limonene Heavy-Duty Degreaser, Cleaner and Deodorizer**
Cleaner works by emulsifying and placing grease and other undesirable matter in total suspension. Biodegradable, phosphate free and contains no petroleum solvents. May be diluted with up to 30 parts of water. USDA: A-4, C-1
- CH DY 344 A Foaming Oven Cleaner with Citrus**
Heavy-duty foaming oven cleaner with natural citrus solvent. Thoroughly cleans warm or cold ovens as well as grills, hoods, broilers and rotisseries. Ready-to-use. USDA: A-8

CLEANING PRODUCTS

- CH DY 345 A Stainless Steel Cleaner**
Cleans, polishes and preserves stainless steel finishes with natural citrus solvent. Ready-to-use. USDA: C-1
- CH DY 346 A Foaming Baseboard Stripper and Cleaner**
Removes multiple layers of wax in one operation. Contains no harmful abrasives and is USDA authorized. Ready-to-use. USDA: A-4
- CH DY 353 A Dry Strip Paint and Finish Remover**
CH DY 353 B
High viscosity and dry-sealing action minimizes worker exposure to solvents and easy to remove. Non-corrosive to metals, including aluminum and brass. Ready-to-use. USDA: C-3
- CH DY 356 B Do-It-All Detergent/Disinfectant Concentrate**
Phosphate free detergent provides bactericidal activity against numerous organisms and meets all hospital use requirements. Diluted 2oz. per gallon of water. EPA #1839-79-11694. USDA: D-2
- CH DY 361 A Natural Force Multi-Purpose Cleaner/Degreaser/Deodorizer**
CH DY 361 B
Contains no hazardous solvents and is low in toxicity yet effectively removes edible oils, grease, inks, carbons and more. Bulk liquid product may be deluted with water. USDA: C-1
- CH DY 362 B Orange Power Foam Cleaner/Degreaser/Deodorizer**
CH DY 362 Q
Multi-purpose concentrated cleaner which safely removes grease and soil deposits. Biodegradable with no hazardous solvents, odors or toxic fumes. Ready-to-use. USDA: C-1
- CH DY 368 A Chalkboard Cleaner**
Water-based cleaner for slate or composition ("white" board) chalkboards. Leaves no oily residue. Ready-to-use.
- CH DY 370 B Summit Damp Mop Detergent**
Low-foaming, neutral pH won't harm floors. Effective on conventional or UHS-maintained floors. Diluted 2 oz. per gallon of water.
- CH DY 371 B Glass and Utility Cleaner Super Concentrate**
Cleans and polishes glass, tile, chrome, enamel, mirrors, plastics, windows, porcelain, and other hard surfaces. Diluted 2 oz. per gallon of water. USDA: C-1
- CH DY 373 B Pine Odor Detergent**
Cleans and deodorizes hard surfaces, including table tops, counters, furniture, fixtures, walls, toilet bowls, urinals and sinks. Diluted 1-2 oz. per gallon of water. USDA: C-1
- CH DY 374 A Dustmop Treatment**
Water-based treatment helps mop pick up dust like a magnet. Ready-to-use.

PROTECTION AND MAINTENANCE PRODUCTS

- CH DY 043 B** **Dymon Seal Concrete and Terrazzo Seal and Cure**
Protects terrazzo and concrete against wear, dusting, stains, grease and extraneous moisture. Clear in color, sealant will not yellow in sunlight. Dries in 15 minutes at room temperature. Ready-to-use.
- CH DY 077 A** **Lemon Wax Creme Furniture Polish**
CH DY 077 Q Fine grade polish cleans and protects furniture surfaces. Specially formulated for use on fine furniture. Contains synthetic wax and natural lemon oil. Ready-to-use.
- CH DY 079 A** **Stainless Steel Cleaner and Polish**
An unique cleaner/polisher combination that leaves an invisible protective finish on all stainless steel surfaces, contains no acids or abrasives to mar original surface beauty. Ready-to-use. USDA: C-1
- CH DY 082 A** **Dustmop Treatment and Maintainer**
CH DY 082 B Approved for all composition floors, emulsifiable treatment cleans, polishes and protects. Mops can easily be cleaned in water after use. Ready-to-use.
- CH DY 086 A** **Belt Dressing and Lubricant**
Helps eliminate slippage on rubber, leather, canvas and fabric belts. Increases power up to 50%. Ready-to-use. USDA: P-1
- CH DY 088 A** **Silicone Spray and Release Agent**
Heat-stable (over 400 F) silicone aerosol that lubricates, protects and reduces friction while increasing effectiveness. Agent will not discolor or damage fabrics, metals, rubber or plastic surfaces. Ready-to-use. USDA: H-1
- CH DY 089 A** **Open Gear and Cable Lubricant**
A molybdenum base lubricant formulated not to rub off on open gears or cables. Prevents rust and works well under low temperature conditions. Ready-to-use.
- CH DY 094 A** **Battery Cleaner and Protector**
Battery cleaner with acid indicator. Contains an excellent corrosion inhibitor to prevent future battery corrosion. Ready-to-use.
- CH DY 097 A** **Penetrating Oil**
CH DY 097 B Quickly loosens nuts and bolts while leaving a weather and chemical resistant film to prevent future rusting. Ready-to-use. USDA: H-2, C-1
- CH DY 098 A** **Mechanic's Friend Penetrant and Moisture Remover**
Lubricates, cleans, penetrates and stops corrosion on all metals. The film never hardens and is harmless to rubber, plastics, and painted surfaces and is low in toxicity. Ready-to-use. USDA: H-2

PROTECTION AND MAINTENANCE PRODUCTS

- CH DY 105 A Dry Moly Lubricant**
A unique molybdenum disulfide lubricant with excellent adhesion, penetrating and lubrication qualities. Replaces and outlasts graphite while protecting against rust and moisture. Ready-to-use.
- CH DY 159 A Penetrating Oil-Non-Flammable**
Displaces and seals out moisture with a continuous molecular film. May be applied to wet or dry surfaces for loosening dirt, scale and other types of corrosion. Ready-to-use.
USDA: H-2
- CH DY 162 A Grease Gun-in-a Can Lubricant-Penetrant**
Thin penetrating liquid becomes a tack-free grease after exposure to air. Grease film is impervious to salt and moisture and is stable at temperatures up to 400 F. Ready-to-use.
USDA: H-2
- CH DY 195 B Epoxy Anti-Skid Coating**
A 100% epoxy combined with a sharp aggregate surface to give safe, sure footed traction under all working conditions. Coating actually strengthens the surface to which it is applied and is four times stronger and 20 times more flexible than concrete. Recommended for high traffic areas, Treatment is resistant to oils, grease, water, salts, cleaning compounds, solvents, acids and alkali. Ready-to-use.
- CH DY 202 A Metal Creme Cleaner and Polish**
A unique cleaner and polish that completely removes oxidation and tarnish from all metal surfaces. Removes rust from metal and fine scratches from glass and plastics. Ready-to-use.
- CH DY 209 A Stainless Steel Polish-Oil Base**
CH DY 209 B
Cleans and preserves stainless steel. For use by restaurants, hospitals, etc. Ready-to-use.
- CH DY 214 A Lemon Glo Polish**
Restores natural wood oils while removing stains, smudges and fingerprints. Ready-to-use.
- CH DY 215 B Diesel Fuel and Gasoline Additive**
Provides cleaner and more efficient use of power systems, as fuel will burn more cleanly, giving more heat at less cost. Cleans injectors and dissolves gum and varnish deposits. Provides all weather protection by preventing frozen lines and carburetors. Normal use is 1 gallon per 1000 gallons of fuel oil.
- CH DY 233 B Liquid Alive Synergized Bacteria with Instant Odor Control**
CH DY 233 Q
Specially developed synergized bacteria: aerobic, anaerobic and facultative, to digest organic wastes, liquify fats, proteins, carbohydrates and grease. Reduces BOD and COD while being harmless to plants, marine and animal life. Use rate depends on conditions.
USDA: L-2

PROTECTION AND MAINTENANCE PRODUCTS

- CH DY268 A** **Armor Clad Protective Coating**
CH DY 268 B Penetrates and protects rubber, vinyl and leather from weather and ultraviolet rays. Also
CH DY 268 Q makes surfaces antistatic to repel dust and dirt. Ready-to-use.
- CH DY 284 A** **Mechanic's Friend Plus Penetrating Oil with Teflon and Moly**
Fast acting, high oil content aerosol penetrant, demulsurant and lubricant. Heat resistant to 500 degrees with low toxicity and harmless to most rubber and plastics. Ready-to-use.
- CH DY 285 B** **Milestone Concrete-Masonry-Terrazzo Seal and Finish**
A hard surface floor seal and finish. Clean up with clear water. Ready-to-use. USDA: P-1
- CH DY 323 A** **Lemon Oil Furniture Polish**
Polish cleans and leaves a dust-free protective film on wood, metal, formica, plastic and vinyls. Ready-to-use.
- CH DY 324 A** **Lemon Duster Dusting and Cleaning Aerosol**
Cleans without wax build-up while leaving a non-slippery treatment to attract soil. Protects fine wood finishes. Ready-to-use.
- CH DY 333 A** **Anti-Static Glass Cleaner**
This product can be used on any glass or plastic surface where static electricity, soil dust, etc. builds up. Leaves an invisible film for long-term protection. Ready-to-use. USDA: C-1
- CH DY 334 A** **Double Acting Liquid Alive Enzyme Digestant**
CH DY 334 Q A liquid dry cleaner, stain remover, enzyme digestant and deodorizer designed for use on soiled carpets, upholstery, textiles, vinyls, leather and synthetics. Ready-to-use.
- CH DY 335 Q** **Liquid Alive Bio Scrub Creme Cleanser**
Product continues to work long after initial cleaning by seeding the area with viable bacteria which liquifies and digests organic waste. Ready-to-use. USDA: C-2
- CH DY 336 B** **Liquid Alive Odor Digester**
CH DY 336 Q Biodegradable control to instant and residual odor control. Will not stain fabrics and is non-toxic to humans and animals. Use rate depends on conditions. USDA: C-1
- CH DY 345 A** **Stainless Steel Cleaner With Citrus**
Cleans, polishes and preserves stainless steel finishes with natural citrus solvent. Ready-to-use. USDA: C-1
- CH DY 359 A** **Recall Spray Buff, Cleaner and Maintainer**
CH DY 359 Q Cleans and shines leaving a durable high gloss shine. Formula designed for regular use, reduces maintenance cost and prevents buildup. Ready-to-use.

PROTECTION AND MAINTENANCE PRODUCTS

- CH DY 360 B** **Finalist "Wet-Look" Mop-on Restorer**
CH DY 360 Q Works as a clean and recoat system in one step to limit the need for costly scrub and recoat cycles. Emulsifies and releases embedded soils and floats them to the surface. Dilute with 8 parts of water.
- CH DY 364 B** **Solitaire Floor Finish**
Produces unsurpassed brilliance, clarity and durability that ordinary floor finishes just can't compare. May be used as both a sealer and finish on resilient floors. Ready-to-use.
- CH DY 365 B** **Solitaire Plus Floor Finish**
Responds to any maintenance program you choose: conventional, high speed, and ultra high speed. May be used as both a sealer and finish in resilient floors. High solids. Ready-to-use.
- CH DY 374 A** **Dustmop Treatment**
Water-based treatment helps mop pick up dust like a magnet. Ready-to-use.
- CH DY 381 A** **Xtra THICK Grease in a Can**
A premium, multi-purpose lithium grease that won't drip or run and withstands extreme pressure and temperature. Waterproof; non-flammable. Ready-to-use.
- CH DY 383 A** **"Non-Flam" Grease Gun in a can**
A **non-flammable** penetrating lubricant that air-dries to form a tack-free grease and coating. Ready-to-use.

PERSONAL CARE PRODUCTS

- CH DY 200 B** **Pink Lotion Hand and Skin Soap**
Leaves hands super conditioned while thoroughly cleaning. Will not "scum" or clog dispensers. Ready-to-use. USDA: E-1
- CH DY 201 T** **Soft Touch Waterless Hand Cleaner**
Actually restores softness to hands while cleaning without water. Biodegradable, contains no phosphates, alkali or strong solvents. Ready-to-use. USDA: E-4
- CH DY 241 C** **Soft Touch Waterless Hand Cleaner**
Actually restores softness to hands while cleaning without water. Biodegradable, contains no phosphates, alkali or strong solvents. Ready-to-use. USDA: E-4
- CH DY 242 C** **Rough Touch Hand Cleaner with Volcanic Pumice**
CH DY 242 T Loosens and lifts embedded soils with the finest mild abrasive pumice. Contains no strong solvents or alkali. Rinses easily does not leave a strong, residual odor on hands. Can be used with or without water. Ready-to-use. USDA: E-4
- CH DY 250 C** **Soft Touch Waterless Hand Cleaner**
Actually restores softness to hands while cleaning without water. Biodegradable, contains no phosphates, alkali or strong solvents. Ready-to-use. USDA: E-4
- CH DY 261 B** **Top To Bottom Protein Body Shampoo and Concentrated Hand Cleaner**
CH DY 261 T Premium cleaner with protein and rich emollients for skin, body, and hair. Comes in special locking, hanging tube to minimize pilferage. May be diluted with up to 5 parts of water. USDA: E-4
- CH DY 241 T** **Rough Touch Hand Cleaner with Volcanic Pumice**
Loosens and lifts embedded soils with the finest mild abrasive pumice. Contains no strong solvents or alkali. Rinses easily does not leave a strong, residual odor on hands. Can be used with or without water. Dispensed in convenient hanging tube. Ready-to-use. USDA: E-4
- CH DY 273 C** **Rough Touch Hand Cleaner with Volcanic Pumice**
Loosens and lifts embedded soils with the finest mild abrasive pumice. Contains no strong solvents or alkali. Rinses easily does not leave a strong, residual odor on hands. Can be used with or without water. Ready-to-use. USDA: E-4
- CH DY 338 C** **Orange Rough Touch with Volcanic Pumice**
CH DY 338 T "The Premium Quality Industrial Hand Cleaner." Natural citrus extract solvent combined with gentle emollients and conditioners plus soil suspending agents make this product essential in the work place. Ready-to-use. USDA: E-4

DISINFECTANTS AND DEODORIZERS

- CH DY 005 B DC-300 Disinfectant Detergent**
Triple action formula cleans, disinfects and deodorizes in one operation. Requires no potable water rise. Dilution rate of 2-4 oz. per gallon of water. EPA #11694-29. USDA: C-1
- CH DY 080 A Do-It-All Germicidal Foaming Cleaner**
CH DY 080 B Effective germicidal foam that cleans, disinfects and deodorizes in one simple application.
CH DY 080 Q Foam clings to all areas-including vertical surfaces. Effective against Herpes Simplex Virus type I & II and HIV-1 (AIDS virus). Ready-to-use. EPA #11694-88 and 11694-34. USDA: C-2
- CH DY 124 Q Bowl Kleen 200 with SafeGuard Tamed Acid**
Contains a deep penetrating agent that loosens encrusted lime deposits, soil, stains and scum. Ready-to-use. USDA: C-2
- CH DY 139 B Air Sanitizer and Surface Deodorizer**
CH DY 139 Q Excellent for neutralizing smoke odors after fires as it permits fast penetration. Non-toxic to humans and warm-blooded animals. Ready-to-use. EPA #11694-64. USDA: C-2
- CH DY 176 B DC-425 Disinfectant Cleaner**
CH DY 176 Q A hospital qualified disinfectant detergent. Cleaner is bacteriostatic, fungicidal, and virucidal against a variety of infectious organisms. Dilution rate of 2 oz. per gallon of water. EPA #11694-75. USDA: A-4
- CH DY 203 A Medaphene**
A powerful disinfectant deodorant that is fungicidal, bactericidal, staphylocidal, tuberculocidal and pseudomonacidal. EPA registered, hospital strength it controls numerous organisms as well as mildew. Ready-to-use. EPA #211-32-11694
- CH DY 258 B Control Restaurant and Bar Sanitizer-Disinfectant**
Effective as a sanitizer against escherichia coil and staphylococcus aureus; and as a disinfectant against staphylococcus aureus, salmonella choleraesuis and pseudomonas aeruginos. No potable water rinse needed. Normal dilution of 1 oz. in 4 gallons of water. EPA #11694-84. EPA #11694-84. USDA: D-2
- CH DY 307 A Dry Breeze-Everything Nice**
Aerosol air freshener and textile deodorizer. Special valve allows spraying in any position. Ready-to-use.
- CH DY 308 A Dry Breeze-Top Note**
Aersol air freshener and textile deodorizer. Special valve allows spraying in any position. Ready-to-use.
- CH DY 309 A Dry Breeze-Sugar and Spice**
Aersol air freshener and textile deodorizer. Special valve allows spraying in any position. Ready-to-use. USDA: C-2

DISINFECTANTS AND DEODORIZERS

- CH DY 317 A Dry Breeze-Super Cinnamon**
Aerosol air freshener and textile deodorizer. Special valve allows spraying in any position. Ready-to-use.
- CH DY 320 A Dry Breeze-Just Like New**
Auto air freshener and textile reodorizer. Restores new car odor without messy stain or residue. Ready-to-use
- CH DY 347 A Medaphene Plus Disinfectant-Deodorizer**
CH DY 347 B
CH DY 347 Q
Effective phenol disinfectant-deodorant which is a pseudomonacidal, mildewcide, fungicidal, staphylocidal and tuberculocidal. Also a virucidal against Herpes Simplex I & II. Eliminates all undesirable odors on hard surfaces and in the air. Ready-to-use. EPA #11694-98 and 11694-99. USDA: C-1
- CH DY 356 B Do-It-All Detergent/Disinfectant Concentrate**
Phosphate free detergent provides bactericidal activity against numerous organisms and meets all hospital use requirements. Dilution rate 2oz. per gallon of water. EPA #1839-79-11694. USDA: D-2
- CH DY 363 A Dry Breeze-Granny Smith, Green Apple Scent**
Aerosol air freshener and textile deodorizer. Special valve allows spraying in any position. Ready-to-use.
- CH DY 379 A Dry Breeze--Bio-Fresh**
A new concept in air freshening. Deletes the perception of malodors and leaves a pleasant scent. No messy spray fallout. Works on worst malodors. Ready-to-use.
- CH DY 380 A Dry Breeze--Mountain Flowers**
A new concept in air freshening. Deletes the perception of malodors and leaves a pleasant scent. No messy spray fallout. Works on worst malodors. Ready-to-use.

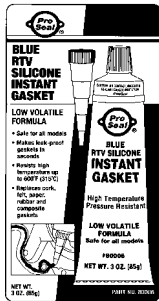
SPECIALTY PRODUCTS

- CH DY 110 A** **AR-94 Ant and Roach Spray (Aerosol), Baysect Insecticide, (Bulk).**
CH DY 110 B Product drives insects from their hiding places killing a broad spectrum of insects. Ready-to-use. A-EPA #11694-26, USDA: F-2. B-EPA #11694-89. USDA: F-2
- CH DY 111 A** **WH-004 Wasp and Hornet Spray**
Kills up to 20 feet away. Broad spray pattern for immediate knock-down. Ready-to-use. EPA #11694-25.
- CH DY 144 A** **Double Action Contact Spray**
CH DY 144 B Use both indoors and out with a residual of up to four weeks. Approved by both EPA and USDA for elimination of crawling and flying insects. Ready-to-use. EPA #11694-48. USDA: F-2
- CH DY 145 B** **Weed Killer 2.4-D Premium Grade**
A more concentrated, longer lasting oil base weed killer controls weeds for an extended period of time (most vegetation for a full season or longer). Kills through the roots to prevent re-growth. Ready-to-use. EPA #11694-43
- CH DY 160 B** **Di Bro 40 Aquatic Weed Killer**
Kills Pondweed, Selumis, Water Hyacinth, Water Lettuce, Watermilfoil, Bladderwort, Coontail, Elodea, Naiad and certain strains of Filamentous Algae. Dilution rate varies according to conditions. EPA #11694-40.
- CH DY 164 B** **Aqua Lime-Lime Acid and Alkali Soil Neutralizer**
Neutralizes acid and alkaline soils. Mixes well with liquid fertilizers and herbicides. Applied at a rate of 4 1/2 gallons of concentrate per acre.
- CH DY 165 A** **Dry Fog ULD-Expel Insecticide**
Non-staining formula produces a smoke-like fog that penetrates and flushes into areas where insects hide. Ready-to-use. EPA #11694-79. USDA: F-2
- CH DY 249 B** **10 AND 1 Vegetation Killer for Base Ground Weed Control**
Long lasting residual gives positive control of both annual and perennial weeds and grasses. Dilution rate of 1 gallon per 10 gallons of water spread over 1000 square feet of surface area. EPA #11694-86.
- CH DY 255 A** **Double Action-Cherry**
Space, contact and residual spray for crawling and flying insects. Ready-to-use.

SPECIALTY PRODUCTS

- CH DY 259 B Duramist Contact and Residual Waterbase Insecticide**
A combination of ready-to-use insecticides offering quick knockdown and residual kill of insects for up to four weeks. Ready-to-use. EPA #11694-91. USDA: F-2
- CH DY 260 B Insect Spray "A"--Solvent Type**
Designed for quick knockdown of a broad spectrum on insects. Ready-to-use. EPA #11694-90. USDA: F-2
- CH DY 314 A Dry Fog ULV - Double Action II Insecticide**
A total dry and residual insecticide that produces a visible smoke-like fog for killing both crawling and flying insects. Ready-to-use. EPA #11694-48. USDA: F-2
- CH DY 369 A Stiks-It Adhesive Spray**
A high solids, multi-purpose adhesive spray for permanent (or temporary) bonding of labels, cardboard, cloth, paper and certain plastics. Ready-to-use.
- CH DY 384 B Double Time Compost Accelerator**
A balanced formula of natural enzymes and bacteria. Digest grass clippings, leaves and ground debris into useful compost. Ready-to-use.

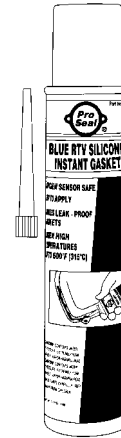
BLUE RTV SILICONE



CH P8 000 6 3 OZ TUBE

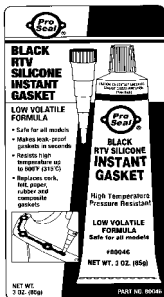


CH P8 000 7 10.3 OZ CARTRIDGE



CH P8 000 9 8 OZ. POWER CAN

BLACK RTV SILICONE



CH P8 004 6 3 OZ TUBE



CH P8 004 7 10.3 OZ CARTRIDGE



CH P8 004 9 8 OZ. POWER CAN

CLEAR RTV SILICONE

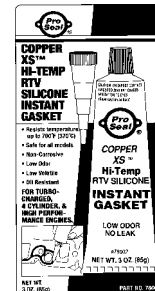


CH P8 006 6 3 OZ TUBE



CH P8 006 7 10.3 OZ CARTRIDGE

COPPER XS HI-TEMP RTV SILICONE



CH P7 800 2 3 OZ TUBE

Alpine Supply

We have Connections!

RTV SILICONE

RED HI-TEMP RTV SILICONE



CH P8 072 6 3 OZ TUBE



CH P8 072 8 10.3 OZ CARTRIDGE



CH P8 072 9 8 OZ. POWER CAN

BLUE XS ADVANCED RTV SILICONE



CH P8 000 3 3 OZ TUBE



CH P8 006 7 10.3 OZ CARTRIDGE

UNIVERSAL FLANGE SEALANT



CH P0 803 0 50ML TUBE

#1 GASKET MAKER



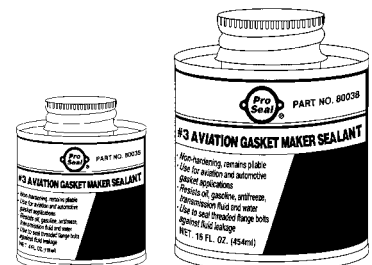
CH P8 001 8 3 OZ TUBE

#2 GASKET MAKER



CH P8 002 8 3 OZ TUBE

#3 AVIATION GASKET MAKER



CH P8 003 5 4 OZ CAN
CH P8 003 8 16 OZ CAN

FUTURE GLUE



CH P5 010 2 2G CARD

FUTURE GLUE GEL



CH P5 010 5 2G CARD

REAR VIEW MIRROR ADHESIVE



CH P6 106 7 .04 OZ CARDED

PRO WELD COLD WELDING COMPOUND



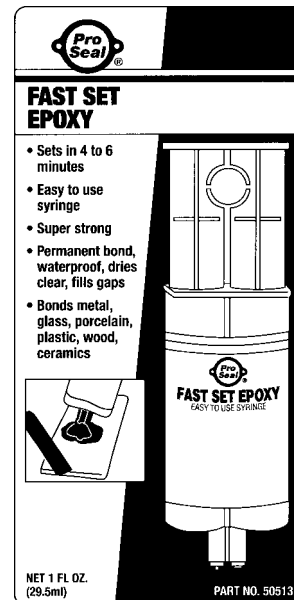
CH P6 460 0 2 OZ CARDED

PRO WELD QUICK COLD WELDING COMPOUND



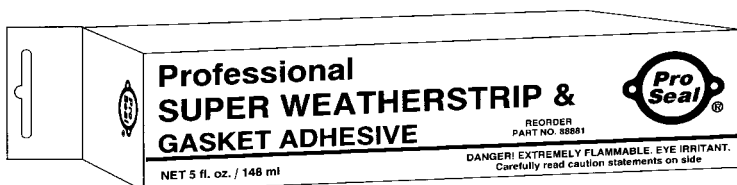
CH P6 460 5 2 OZ CARDED

FAST SET EPOXY



CH P5 051 3 1 OZ CARDED

YELLOW WEATHERSTRIP ADHESIVE



CH P8 888 1 5 OZ BOXED

THREAD LOCKERS

BLUE REMOVABLE THREAD LOCK



CH P2 420 6 6ML CARDED
CH P2 425 0 50ML TUBE

RED PERMANENT THREAD LOCK



CH P2 710 6 6ML CARDED
CH P2 715 0 50ML TUBE

GREEN POROSITY THREAD LOCK



CH P2 900 6 6ML CARDED
CH P2 905 0 50ML TUBE

PIPE SEALANT WITH TEFLON



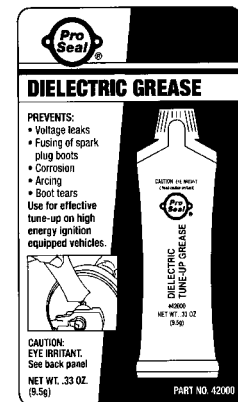
CH P0 800 0 50ML TUBE

ANTI-SEIZE LUBRICANT



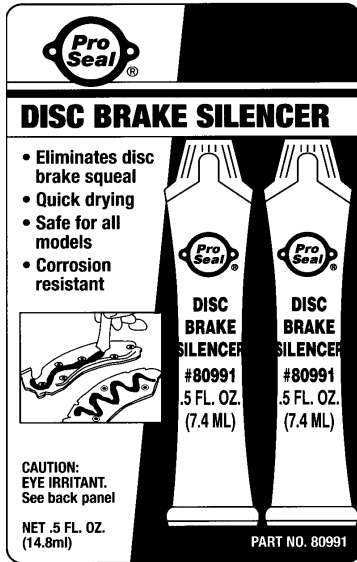
CH P3 300 8 8 OZ BOTTLE

DIELECTRIC GREASE



CH P4 200 0 .33 OZ CARDED

DISC BRAKE SILENCER

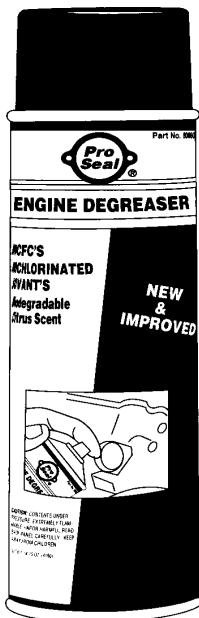


CH P8 099 1 .5 OZ PACKETS



CH P8 099 5 12 OZ AERSOL CAN

ENGINE DEGREASER



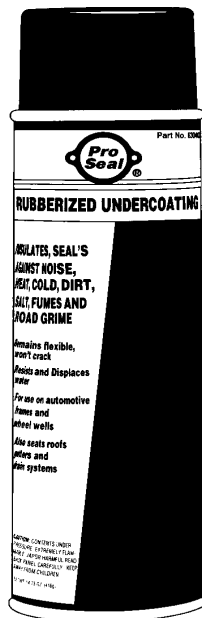
CH P8 086 0

BRAKE CLEANER



CH P8 099 0

RUBBERIZED UNDERCOATING



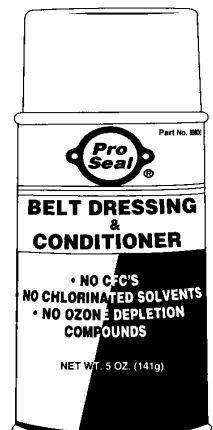
CH P6 304 0

GASKET REMOVER



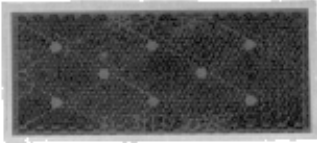
CH P8 080 4

BELT DRESSING



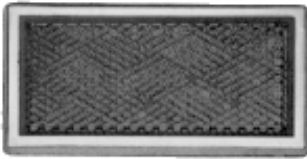
CH P8 080 0

REFLECTORS



LR 31 000 A AMBER ADHESIVE BACK
LR 31 000 R RED ADHESIVE BACK

SIZE: 3 3/16" L X 1 7/8" H



ADHESIVE BACK WITH
CHROME PLATED BEZEL

LR 32 000 A AMBER
LR 32 000 R RED

SIZE: 3 1/2" L X 1 3/4" H



LR 41 000 A AMBER FLUSH TYPE ALUMINUM HOUSING
LR 41 000 R RED FLUSH TYPE ALUMINUM HOUSING

SIZE: 4 1/2" L X 3 3/4" W
TWO 1/4" HOLES AT 3 15/16
CENTERS



LR 42 000 A AMBER PLASTIC HOUSING
LR 42 000 R RED PLASTIC HOUSING

SIZE: 4 3/8" L X 3 3/8" W
TWO 1/4" HOLES AT 3 15/16 CENTERS



ARMORED TYPE

LR 43 000 A AMBER ALUMINUM HOUSING
LR 43 000 R RED ALUMINUM HOUSING

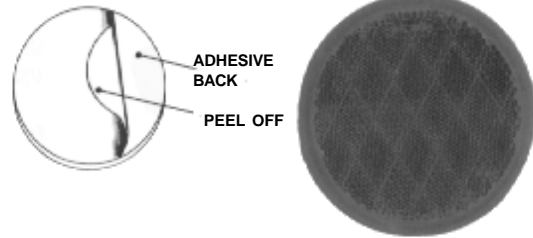
LR 44 000 A AMBER STEEL PLATED HOUSING
LR 44 000 R RED STEEL PLATED HOUSING

SIZE: 4 1/2" L X 3 3/4" W
TWO 1/4" HOLES AT 3 15/16 CENTERS

REFLECTORS

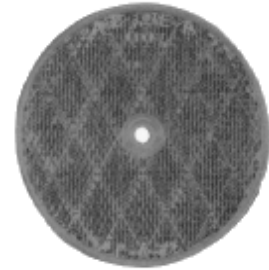
LR 47 000 A 3" AMBER
LR 47 000 R 3" RED

LR 53 000 A 2" AMBER
LR 53 000 R 2" RED



LR 52 000 A 2" AMBER CENTER MOUNTING HOLE
LR 52 000 R 2" RED CENTER MOUNTING HOLE

LR 57 000 A 3 1/4" AMBER CENTER MOUNTING HOLE
LR 57 000 R 3 1/4" RED CENTER MOUNTING HOLE



LR 54 000 A AMBER TWO HOLE MOUNTING
LR 54 000 R RED TWO HOLE MOUNTING

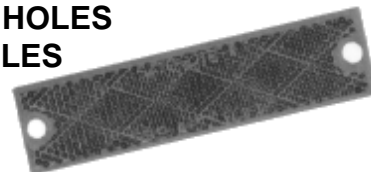
LR 55 000 A AMBER-ADHESIVE BACKED
LR 55 000 R RED-ADHESIVE BACKED

SIZE: 4 3/8" L X 1 7/8" W
#10 SCREWS AT 3 15/16" CENTERS



LR 56 000 A AMBER-ADHESIVE BACK OR TWO HOLES
LR 56 000 R RED-ADHESIVE BACK OR TWO HOLES

SIZE: 1 1/8" W X 4 7/16" L
#8 SCREWS AT 3 15/16" CENTERS



Alpine Supply

We have Connections!

CLEARANCE/MARKER LIGHTS



LC 13 010 A AMBER
LC 13 010 R RED
LC 13 010 B BLUE
LC 13 010 W CLEAR
LC 13 010 G GREEN

SIZE: 4 1/2" L X 3 1/4" H X 2 19/32" W
MOUNTING: USE TWO #10 SCREWS ON 2" CENTERS
REPLACEMENT LENS LT 90 080 ?



LC 13 130 A AMBER
LC 13 130 R RED
LC 13 130 B BLUE
LC 13 130 W CLEAR
LC 13 130 G GREEN

SIZE: 3 1/4" DIA. X 2" D
MOUNTING: USE TWO #10 SCREWS ON 2 3/4" CENTER
REPLACEMENT LENS LT 90 690 ?



LC 13 100 A AMBER
LC 13 100 R RED
LC 13 100 B BLUE
LC 13 100 W CLEAR
LC 13 100 G GREEN

SIZE: 5 15/16" L X 3 5/8" W X 1 5/8" H
MOUNTING: USE TWO #10 SCREWS ON 2 3/4" CENTER
LENS AND HOUSING ARE SONICALLY SEALED



LC 13 120 A AMBER
LC 13 120 R RED
LC 13 120 B BLUE
LC 13 120 W CLEAR
LC 13 120 G GREEN

SIZE: 2 1/2" W X 7 3/4" L X 2 3/4" H
MOUNTING: USE TWO #10 SCREWS ON 6 3/4" CENTER
REPLACEMENT LENS LT 90 870 ?

- LC 13 400 A AMBER
- LC 13 400 R RED
- LC 13 400 B BLUE
- LC 13 400 W CLEAR
- LC 13 400 G GREEN



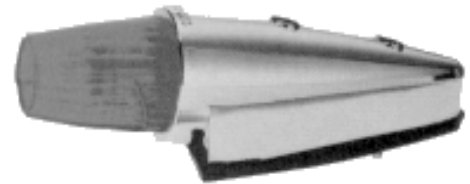
SIZE: 15 1/2" L X 3 1/2" DIA.
MOUNTING: USE TWO 1/4" SCREWS ON 10" CENTERS
REPLACEMENT LENS TWIST ON LT 90 320 ?

- LC 13 460 A AMBER
- LC 13 460 R RED
- LC 13 460 B BLUE
- LC 13 460 W CLEAR
- LC 13 460 G GREEN



SIZE: 10 7/8" L X 4 9/16" W X 2 3/4" H
MOUNTING: USE TWO #10 SCREWS ON 9 1/8" CENTER
REPLACEMENT LENS LT 90 960 ?

- LC 13 450 A AMBER
- LC 13 450 R RED
- LC 13 450 B BLUE
- LC 13 450 W CLEAR
- LC 13 450 G GREEN



SIZE: 8" L X 2 3/8" W X 2 5/8" H
MOUNTING: USE TWO #10 SCREWS ON 2" CENTER
LENS AND HOUSING ARE SONICALLY SEALED

- LC 13 200 A AMBER
- LC 13 200 R RED
- LC 13 200 B BLUE
- LC 13 200 W CLEAR
- LC 13 200 G GREEN



SIZE: 5 9/16" L X 2 3/8" W X 1 3/4" H
MOUNTING: USE TWO #10 SCREWS ON 3" CENTER
REPLACEMENT LENS LT 90 670 ?

SEALED LIGHTS

LC 10 100 A 2 1/2" AMBER
LC 10 100 R 2 1/2" RED

LC 10 110 A 2 1/2" AMBER REFLECTOR LENS
LC 10 110 R 2 1/2" RED REFLECTOR LENS

LC 10 300 A 2" AMBER
LC 10 300 R 2" RED

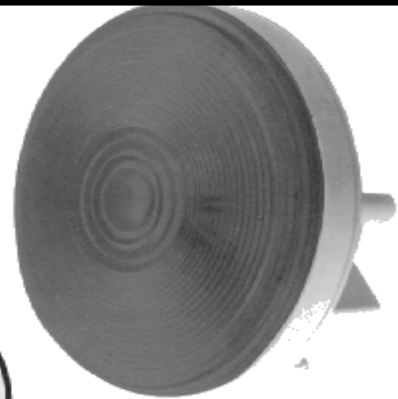
LC 91 190 0 2 1/2" MOUNTING GROMMET
LC 91 390 0 2" MOUNTING GROMMET



LT 40 640 0 4" RED DOUBLE CONTACT
LT 40 640 A 4" AMBER DOUBLE CONTACT
LT 40 640 W 4" CLEAR DOUBLE CONTACT

LT 40 540 0 4" RED COMPLETE KIT

LT 91 270 0 4" MOUNTING GROMMET



LC 12 430 A 4" MID-TRAILER
WARNING SIGNAL
LIGHT



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We have Connections!

EMERY CLOTH



PART NUMBER

DESCRIPTION

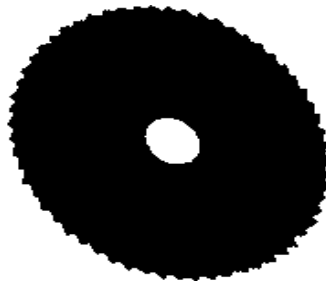
EC 15 400 0	1 1/2"X 400 GRIT
EC 15 320 0	1 1/2"X 320 GRIT
EC 15 240 0	1 1/2"X 240 GRIT
EC 15 180 0	1 1/2"X 180 GRIT
EC 15 150 0	1 1/2"X 150 GRIT
EC 15 120 0	1 1/2"X 120 GRIT
EC 15 100 0	1 1/2"X 100 GRIT
EC 15 080 0	1 1/2"X 80 GRIT
EC 15 060 0	1 1/2"X 60 GRIT

CUTOFF WHEELS

REINFORCED CUT OFF WHEELS FOR METAL



<u>PART NUMBER</u>	<u>DIA.</u>	<u>THICK</u>	<u>BORE</u>	<u>MAX RPM</u>
AB N2 161 4	2"	1/16	1/4	38000
AB N3 161 4	3"	1/16	1/4	25000
AB N3 181 4	3"	1/8	1/4	28000
AB N3 163 8	3"	1/16	3/8	25000
AB N3 183 8	3"	1/8	3/8	25000
AB N4 163 8	4"	1/16	3/8	15300
AB N4 183 8	4"	1/8	3/8	15300
AB N4 165 8	4"	1/16	5/8	15300
AB N4 185 8	4"	1/8	5/8	15300
AB N7 18D A	7"	1/8	DIA	8500
AB N8 18D A	8"	1/8	DIA	6800



SAW BLADES

<u>PART NUMBER</u>	<u>DIAMETER</u>	<u>BORE</u>	<u># OF TEETH</u>
TC 12 C60 S	1 1/4"	1/4"	60
TC 15 C60 S	1 1/2"	1/4"	60
TC 17 C60 S	1 3/4"	1/4"	60
TC 20 C60 S	2"	1/4"	60
TC 20 F60 S	2"	7/16"	60
TC 25 F60 S	2 1/2"	7/16"	60
TC 33 F60 S	3 3/8"	7/16"	60

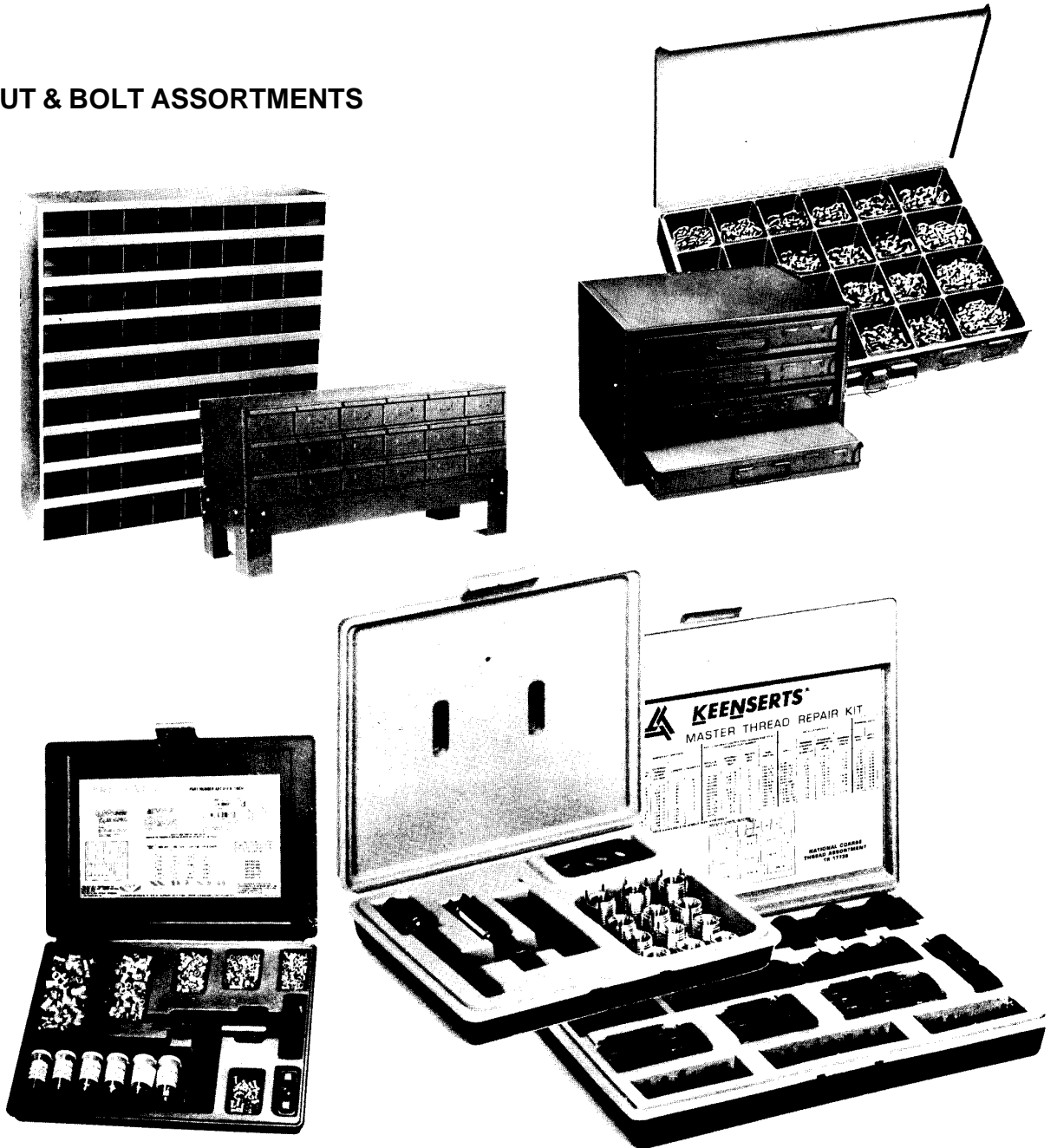
Alpine Supply

We have Connections!

KITS

ALL ALPINE ITEMS AVAILABLE IN KIT FORM

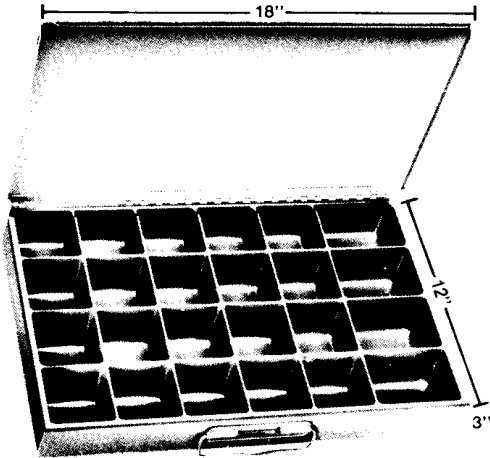
NUT & BOLT ASSORTMENTS



Alpine Supply

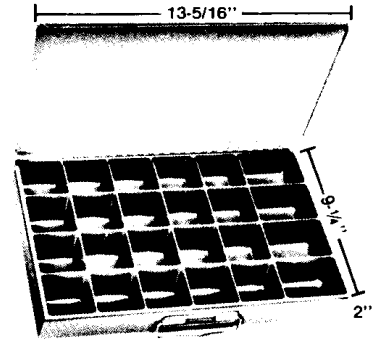
We have Connections!

STORAGE BOXES

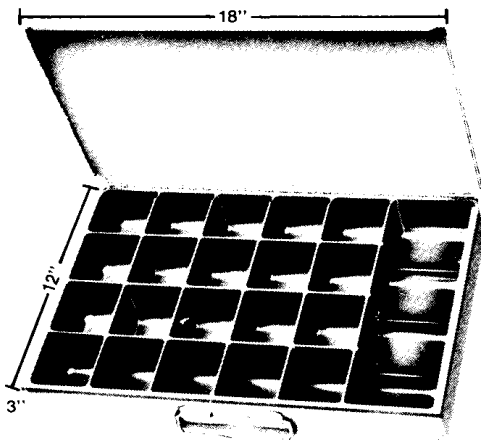


BX MD 24L G 24 COMPARTMENT

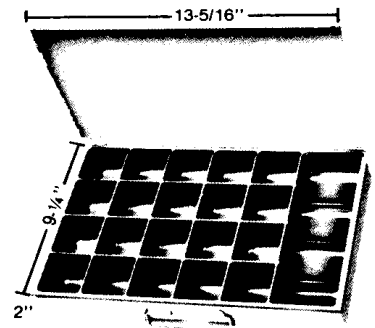
BX MD 16L G 16 COMPARTMENT NOT SHOWN
BX MD 32L G 32 COMPARTMENT NOT SHOWN
BX MD 20L G 20 COMPARTMENT NOT SHOWN



BX MD 24S G 24 COMPARTMENT



BX MD 21L G 21 COMPARTMENT



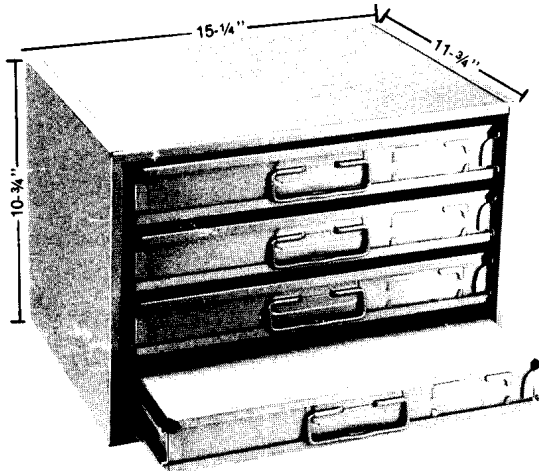
BX MD 21S G 21 COMPARTMENT

MADE OF HEAVY DUTY STEEL INTERLOCKING AND WELDED CONSTRUCTION. STYRENE INNER LINERS

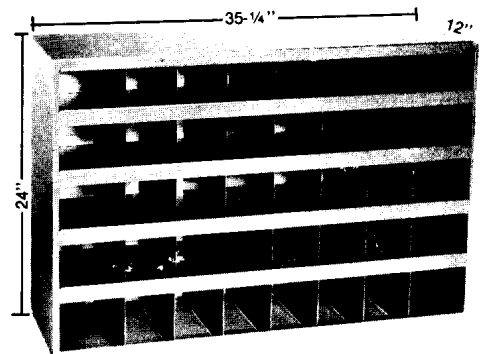
Alpine Supply

We have Connections!

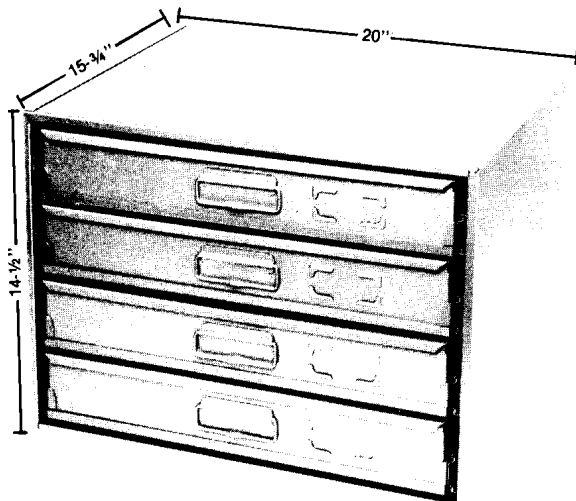
STORAGE BOXES



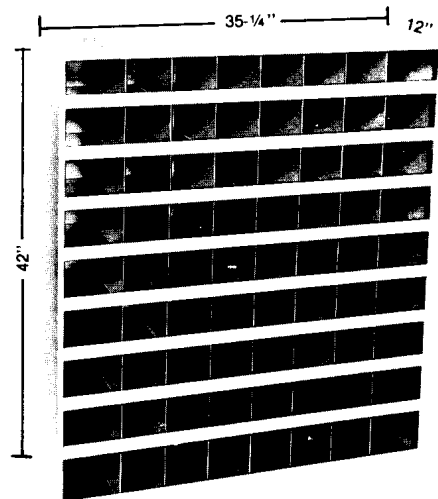
BX MR 04S G **4 DRAWER RACK
(SMALL)
ORDER DRAWERS
SEPARATELY**



BX MB 40L G **40 HOLE BIN**



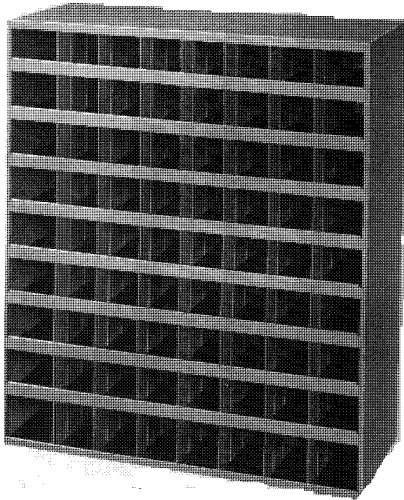
BX MR 04L G **4 DRAWER RACK
(LARGE)
ORDER DRAWERS
SEPARATELY**



BX MB 72L G **72 HOLE BIN**

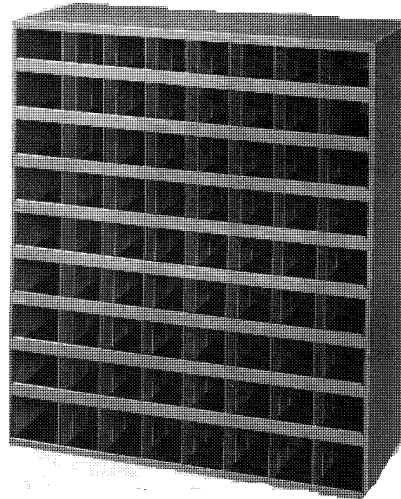
MADE OF HEAVY DUTY STEEL INTERLOCKING AND WELDED CONSTRUCTION. STYRENE INNER LINERS

GRADE 5 ASSORTMENT



**KT 72 141 2 2750 PCS GRADE 5
1/4" THRU 1/2" DIA.
WITH NUTS, LOCKS
AND FLATS**

GRADE 8 ASSORTMENT



**KT 78 141 2 2750 PCS GRADE 8
1/4" THRU 1/2" DIA.
WITH NUTS, LOCKS
AND FLATS**

**ALL OTHER ALPINE PARTS CAN BE MADE
INTO ASSORTMENTS.**