

# **SERVICE VAN CATALOG**





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## CONNECTORS

### SY50, 120, 175 AND 350 AMP

- Single-piece housings of impact-resistant polycarbonate offer both high physical strength and superior dielectric properties
- Silver-plated solid copper contacts offer low resistance for superior conductivity
- Self-cleaning contact design resists arcing by keeping conductive surfaces clean and free of corrosion
- Contacts have flared and heat-treated barrels which readily accept fine stranded wire and allow easy, quality crimping
- Integral stainless steel springs maintain constant pressure on the contact to insure a consistent, low-resistance connection



<b>50AMP</b>	Description (1 housing/2 contacts)	Housing	Contact
<b>SY6319</b>	Gray connector with 6 gauge contacts	SY992	SY903G1
<b>SY6319G1</b>	Gray connector with 10-12 gauge contacts	SY992	SY904G1
<b>SY6331G1</b>	Red connector with 6 gauge contacts	SY992G1	SY903G1
<b>SY6319G2</b>	Gray connector with 8 gauge contacts	SY992	SY905G1
<b>SY6331G2</b>	Red connector with 10-12 gauge contacts	SY992G1	SY904G1
<b>SY6331G3</b>	Black connector with 6 gauge contacts	SY992G2	SY903G1
<b>SY6331G4</b>	Black connector with 10-12 gauge contacts	SY992G2	SY904G1
<b>SY6331G5</b>	Blue connector with 6 gauge contacts	SY992G3	SY903G1
<b>SY6331G6</b>	Blue connector with 10-12 gauge contacts	SY992G3	SY904G1

<b>120AMP</b>	Description (1 housing/2 contacts)	Housing	Contact
<b>SY6330G2</b>	Gray connector with 2 gauge contacts	SY920	SY1319-G2
<b>SY6330G4</b>	Gray connector with 4 gauge contacts	SY920	SY1319-G4
<b>SY6330G6</b>	Gray connector with 6 gauge contacts	SY920	SY1319-G6

<b>175AMP</b>	Description (1 housing/2 contacts)	Housing	Contact
<b>SY6325G1</b>	Gray connector with 1/0 gauge contacts	SY940	SY944
<b>SY6325G5</b>	Gray connector with 2 gauge contacts	SY940	SY944-2
<b>SY6325G6</b>	Gray connector with 4 gauge contacts	SY940	SY944-4
<b>SY6325G7</b>	Gray connector with 6 gauge contacts	SY940	SY944-6
<b>SY6326G1</b>	Blue connector with 1/0 gauge contacts	SY941	SY944
<b>SY6326G5</b>	Blue connector with 2 gauge contacts	SY941	SY944-2
<b>SY6326G6</b>	Blue connector with 4 gauge contacts	SY941	SY944-4
<b>SY6326G7</b>	Blue connector with 6 gauge contacts	SY941	SY944-6
<b>SY6327G1</b>	Orange connector with 1/0 gauge contacts	SY942	SY944
<b>SY6327G5</b>	Orange connector with 2 gauge contacts	SY942	SY944-2
<b>SY6327G6</b>	Orange connector with 4 gauge contacts	SY942	SY944-4
<b>SY6327G7</b>	Orange connector with 6 gauge contacts	SY942	SY944-6
<b>SY6328G1</b>	Yellow connector with 1/0 gauge contacts	SY943	SY944
<b>SY6328G5</b>	Yellow connector with 2 gauge contacts	SY943	SY944-2
<b>SY6328G6</b>	Yellow connector with 4 gauge contacts	SY943	SY944-4
<b>SY6328G7</b>	Yellow connector with 6 gauge contacts	SY943	SY944-6
<b>SY6329G1</b>	Red connector with 1/0 gauge contacts	SY949	SY944
<b>SY6329G5</b>	Red connector with 2 gauge contacts	SY949	SY944-2
<b>SY6329G6</b>	Red connector with 4 gauge contacts	SY949	SY944-4
<b>SY6329G7</b>	Red connector with 6 gauge contacts	SY949	SY944-6







## CONNECTORS

350AMP	Description (1 housing/2 contacts)	Housing	Contact
SY6320G1	Gray connector with 2/0 contacts	SY906	SY907
SY6320G2	Gray connector with 4/0 contacts	SY906	SY908
SY6320G3	Gray connector with 1/0 contacts	SY906	SY917
SY6320G5	Gray connector with 3/0 contacts	SY906	SY916
SY6321G1	Blue connector with 2/0 contacts	SY912	SY907
SY6321G2	Blue connector with 4/0 contacts	SY912	SY908
SY6321G3	Blue connector with 1/0 contacts	SY912	SY917
SY6321G5	Blue connector with 3/0 contacts	SY912	SY916
SY6322G1	Red connector with 2/0 contacts	SY913	SY907
SY6322G2	Red connector with 4/0 contacts	SY913	SY908
SY6322G3	Red connector with 1/0 contacts	SY913	SY917
SY6322G5	Red connector with 3/0 contacts	SY913	SY916

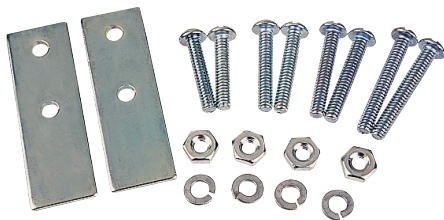
350AMP	Description (1 housing/2 contacts)	Housing	Contact
SY6323G1	Yellow connector with 2/0 contacts	SY914	SY907
SY6323G2	Yellow connector with 4/0 contacts	SY914	SY908
SY6323G3	Yellow connector with 1/0 contacts	SY914	SY917
SY6323G5	Yellow connector with 3/0 contacts	SY914	SY916
SY6324G1	Green connector with 2/0 contacts	SY931	SY907
SY6324G2	Green connector with 4/0 contacts	SY931	SY908
SY6324G3	Green connector with 1/0 contacts	SY931	SY917
SY6324G5	Green connector with 3/0 contacts	SY931	SY916
SY6400G1	Orange connector with 2/0 contacts	SY932	SY907
SY6400G2	Orange connector with 4/0 contacts	SY932	SY908
SY6400G3	Orange connector with 1/0 contacts	SY932	SY917
SY6400G5	Orange connector with 3/0 contacts	SY932	SY916

## CONNECTOR DUST COVERS

832 SERIES	Description
STC902-BLK	Black for use on 350A connectors
	
STC902-RED	Red for use on 350A connectors
	

832 SERIES	Description
STC903	Red for use on 50A connectors
	
STC904	Black for use on 50A connectors
	

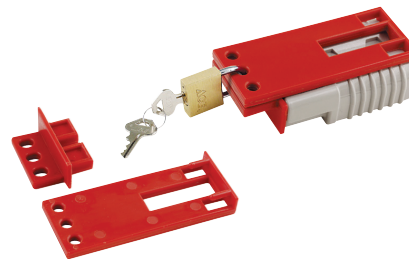
## CONNECTOR KEY KITS



- Can be mounted to prevent charger to SCR panel engaging while still allowing battery and truck connector halves to engage
- Can also be mounted as lockouts

	Description
SY1105	50A
SY1120	175 or 350A

## CONNECTOR LOCKOUTS



- For use with 175A or 350A connectors
- Lock not included

	Description
SY175-LOCKOUT	For use with 175A connectors
SY350-LOCKOUT	For use with 350A connectors



# BATTERY

## SINGLE PHASE MULT-VOLT CHARGER

- The Energic Plus TSS battery chargers have been designed to charge Pb batteries
- Input current 15A max
- The charge time is set by a mechanical timer for 0-24 hours
- Meets UL and CSA standards
- Especially designed and tested for the North American market
- Handles for easy portability
- Great for on-site assistance, perfect as a temporary replacement of a faulty charger
- Compact dimensions: 17.20"W x 11.60"D x 10.80"H 43cm x 29cm x 27cm
- Weight: 60lb 37kg

**TSS12-24-36-48V**



Selected Voltage	Initial Current	
12V	50A	The output voltage can be selected between the four available values by moving the selection plug to the required position
24V	50A	
36V	35A	
48V	30A	

## RESCUE BOOSTER PACKS

### ALL MODELS INCLUDE:

- 100% copper welding type cable for maximum conductivity and flexibility
- Tangle proof construction
- Stays flexible in subzero temperatures

MODEL 900	Gauge	Length	Battery Capacity	Starting Current	Peak Current	
SY604050-001	6	27"	18A/Hr	400A	900A	<ul style="list-style-type: none"> <li>• Jumpstarts 12V vehicles</li> <li>• 12V power outlet</li> <li>• Built-in DC float charger</li> <li>• LED battery status</li> </ul>



MODEL 950	Gauge	Length	Battery Capacity	Starting Current	Peak Current	
SY604051-001	6	55"	18A/Hr	400A	900A	<ul style="list-style-type: none"> <li>• Jumpstarts 12V vehicles</li> <li>• 12V power outlet</li> <li>• Built-in DC float charger</li> <li>• Battery status gauge</li> <li>• Air compressor with air gauge</li> <li>• Includes multiple air tips</li> <li>• LED work and flasher light</li> <li>• LED clamp lights</li> <li>• Polarity alarm</li> </ul>



MODEL 1000	Gauge	Length	Battery Capacity	Starting Current	Peak Current	
SY604052-001	6	55"	20A/Hr	500A	1000A	<ul style="list-style-type: none"> <li>• Safeguard audible signal and light</li> <li>• LED clamp lights</li> <li>• Handy storage compartment</li> <li>• Built-in work light</li> <li>• Jumpstarts 12V vehicles</li> <li>• Built-in DC float charger</li> </ul>





## RESCUE BOOSTER PACKS

MODEL 1800	Gauge	Length	Battery Capacity	Starting Current	Peak Current	
SY604053-001	2	62"	2 - 20A/Hr	700A	1500A	<ul style="list-style-type: none"> <li>• Jumpstarts 12V vehicles</li> <li>• 12V power outlet</li> <li>• Built-in DC float charger</li> <li>• Dual battery status gauge</li> <li>• LED work and flasher light</li> <li>• Polarity alarm</li> </ul>



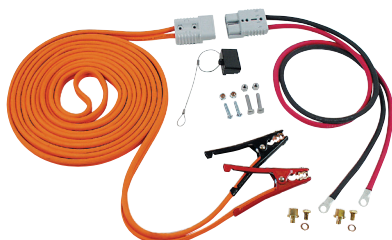
MODEL 2000	Gauge	Length	Battery Capacity	Starting Current	Peak Current	
SY604054-001	2	62"	2 batteries each 20A/Hr	400A 900A	900A 1500A	<ul style="list-style-type: none"> <li>• Safeguard audible signal and light</li> <li>• Built-in work light</li> <li>• Jumpstarts 12V and 24V vehicles</li> <li>• Build-in DC float charger</li> <li>• Battery status gauge</li> </ul>



## BOOSTER CABLE ASSEMBLIES

### SAFE-T-CONNECT®

Booster cable assembly include: 1 booster cable (with or without polarity indicator), 1 vehicle harness, 1 dust cover and mounting hardware.



	Description		Description
STC164	16' 4.90m booster assembly	STC164/ET	16' 4.90m booster assembly with polarity indicator
STC202	20' 6.00m Arctic Ultra Flex Blue booster assembly	STC254/ET	25' 7.60m booster assembly with polarity indicator
STC202ET	20' 6.00m Arctic Ultra Flex Blue booster assembly with polarity indicator	STC302	30' 9.10m booster cable
STC252	25' 7.60m Arctic Ultra Flex Blue booster assembly	STC302C	30' 9.10m jumper cable
STC252ET	25' 7.60m Arctic Ultra Flex Blue booster assembly with polarity indicator	STC302ET	30' 9.10m booster cable with polarity indicator
STC254	25' 7.60m booster assembly	STC304/ET	30' 9.10m booster assembly with polarity indicator
STC304	30' 9.10m booster assembly	STC352ET	35' 10.67m booster cable with polarity indicator

## BATTERY CABLES

### SAFE-T-CONNECT®

Safe, easy and the fastest way to jump start any vehicle.

	Description
STC924-16	16ft jumper cables with clamps on each end



### ARTIC ULTRA FLEX BLUE BOOSTER CABLE ASSEMBLY WITH CLAMPS ON EACH END

For extreme applications: -55°C - +105°C



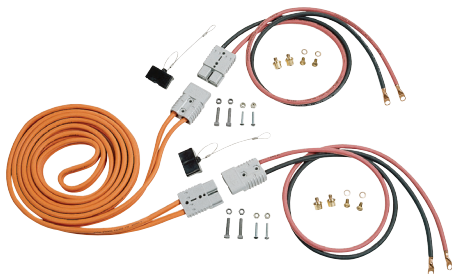
	Description
STC202C	20' 6.00m 2 gauge
STC252C	25' 7.60m 2 gauge




# BATTERY

## BATTERY CABLES

- Twin gauge Vu-Tron® welding cable
- 2 impact-resistant polycarbonate connector housings



 Underwriters Laboratories listed, file No. AU2427.  
Pictured with polarity indicator.  
Green and red LED lights eliminates polarity mis-match.


FLEET ASSEMBLY	Description
STC164-A	Fleet assembly includes: <ul style="list-style-type: none"> <li>• 1 fleet booster cable with connectors on both ends</li> <li>• 2 vehicle harnesses</li> <li>• 2 dust covers</li> <li>• Mounting hardware</li> </ul>

REPLACEMENT	Description
STC904	Dust cover, fits 50A housing
STC905	Dust cover, fits 175A housing
STC906	Dust cover, fits 350A housing
STC910	Side post hardware
STC912	Brass stud, used for various general motor applications

COMMERCIAL HEAVY DUTY BOOSTER CABLES	Gauge	Length	AMPs
SY602330-001	1	20'	500
SY602340-001	1	25'	500
SY602360-001	1	30'	500
SY602370-001	1/0	20'	800
SY602380-001	1/0	25'	800
SY602390-001	2/0	20'	800
SY602400-001	2/0	25'	800
SY602410-001	2/0	30'	800



## BATTERY TERMINAL KITS

MAGNALUG ASSORTMENTS	HEAVY DUTY		AUTO/LIGHT	
	SY9931-001 2/0GA	SY9932-001 3/0GA	SY9930-001 4GA	1GA
				
5/16" Starter ground lugs			10	10
3/8" Starter ground lugs	20	20	20	20
1/2" Starter ground lugs	15	15		
Battery connectors - single cable, locking	10	10		
Battery connectors - dual cable, locking	8	8		
Battery cable splices	8	8	8	8
Closed cap nuts	18	18	20	20
6" Black heat shrink tube	4	4	4	4
6" Red heat shrink tube	4	4	4	4



## BATTERY TERMINAL KITS

### COMPRESSION ASSORTMENTS



Positive straight clamps  
Negative straight clamps  
Positive flag clamps  
Negative flag clamps  
Heavy wall lugs  
Compression nuts  
Bolts and nuts

**SY9103-001**  
1 & 2GA

10  
10  
5  
5  
10  
50  
30

**SY9125-001**  
2/0GA

10  
20  
5  
5  
10  
50  
30

### SOLDER ASSORTMENTS

**SY9063-001**



Description

Qty

Safety glasses  
1 & 2 gauge negative solder clap  
1 & 2 gauge positive solder clap  
1/0 gauge negative solder clap  
1/0 gauge positive solder clap  
2/0 gauge negative solder clap  
2/0 gauge positive solder clap  
1 & 2 gauge 3/8" HD solder lug

1  
5  
5  
5  
5  
5  
5  
5

Description

Qty

1/0 gauge 3/8" HD solder lug  
2/0 gauge 3/8" HD solder lug  
Quick Flux, 2oz  
3/4" Double wall heat shrink 1 1/2" black  
3/4" Double wall heat shrink 1 1/2" red  
Square head bolt 5/16" - 18 x 1 3/8"  
Shoulder nut 5/16" - 18

5  
1  
1  
20  
1  
30  
30

- Includes safety glasses

## FIELD REPAIR KITS - WITHOUT CABLE

- Field repair kit contains components (except cable) needed to build or repair 2/0 battery cables
- Available with or without HexCrimp tool

### 2/0 GAUGE KITS

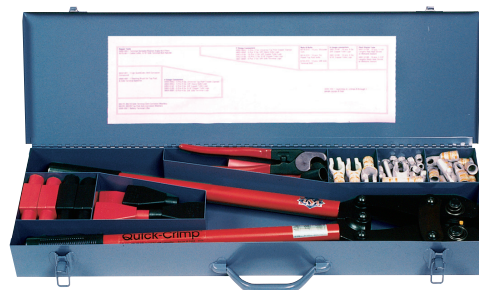
**SY9920-001**

**SY9921-001**

Carrying case  
HexCrimp tool  
9" cutter  
Positive 2/0 straight clamp  
Negative 2/0 straight clamp  
Positive 2/0 flag clamp  
Negative 2/0 flag clamp  
2/0 starter/ground lug - 3/8" hole  
2/0 starter/ground lug - 1/2" hole  
3/4" heat shrink tube - black 6"  
3/4" heat shrink tube - red 6"  
Black straight terminal protector  
Red straight terminal protector  
Black terminal protector flag  
Red terminal protector flag

1  
0  
1  
5  
5  
2  
2  
5  
5  
2  
5  
5  
2  
2

1  
1  
1  
5  
5  
2  
2  
5  
5  
2  
5  
5  
2  
2



### 4 & 2 GAUGE KITS

**SY9957-001**

Positive 4G straight clamp  
Negative 4G straight clamp  
4G copper tube lug - 3/8" hole  
2G copper tube lug - 3/8" hole  
Square head bolts and shoulder nuts  
QuickCutter 9" long  
QuickStrip cable stripper  
HexCrimp Jr. crimping tool  
Carrying case

5  
5  
10  
10  
10  
1  
1  
1  
1



## SBC CRIMP OR SBF FUSION SOLDER



SY400801-001

Assortment

Crimp

Wire Range

4, 2, 1/0, 2/0

Contents

- 40 silver-plated, solid copper contacts
- 20 pieces of 3/4" FlexTube heat shrink tubing
- 8 gray, 175A polycarbonate housing
- 4 gray, 350A polycarbonate housing
- 4 black protective caps for 175A housing
- 4 black protective caps for 350A housing
- 1 pair of safety glasses
- 1 heavy-duty metal storage drawer

SY400802-001

Fusion

2, 1/0, 2/0

- 40 silver-plated, solid copper contacts
- 20 pieces of 3/4" FlexTube heat shrink tubing
- 8 gray, 175A polycarbonate housing
- 4 gray, 350A polycarbonate housing
- 4 black protective caps for 175A housing
- 4 black protective caps for 350A housing
- 4oz container of QuickFlux
- Cleaning brush
- 1 pair of safety glasses
- 1 heavy-duty metal storage drawer

## CRIMP ASSORTMENTS



	HEAVY DUTY		ALL VEHICLES			AUTO & LIGHT TRUCK	
	SY9910-001 1/0GA	SY9906-001 2/0GA	SY9902-001 4GA 1GA 2/0G			SY9908-001 4G 2G	
Positive straight clamps	10	10	5	5	10	10	10
Negative straight clamps	10	10	5	5	10	10	10
Positive flag clamps	4	4			4		
Negative flag clamps	4	4			4		
Heavy wall copper lugs - 3/8" stud hole	10	10	10	10	10	10	10
Heavy wall copper lugs - 1/2" stud hole	5	5			5	5	5
Stud/side terminal locking lug - 3/8" hole	10	10			5	5	5
Stud/side terminal locking lug - 1/2" hole	5	5					
In-line dual wire - 3/8" stud hole	4	4					
Copper lugs, tin plated - 5/16" stud hole					10	10	10
Copper lugs, tin plated - 3/8" stud hole	10	10			10	10	10
Copper lugs, tin plated - 1/2" stud hole	10	10					
Black heavy wall heat shrink tubing	20	20			10	10	10
Red heavy wall heat shrink tubing	20	20			10	10	10
Black terminal protectors, straight clamp	5	5	4	4	4	4	4
Red terminal protectors, straight clamp	5	5	4	4	4	4	4
Black terminal protectors, flag clamp	3	3					
Red terminal protectors, flag clamp	3	3					
Tin plated battery bolts	28	28	48	48	40	40	40
Tin plated shoulder nuts	28	28	48	48	40	40	40
Stainless steel closed cap nuts	5	5					



## TERMINAL KIT

- 300 pieces
- Color-coded
- Solderless

SY9930



QTY	Type	Gauge	Color	Size
10	Splice connector	22-18	Red	
10	Splice connector	16-14	Blue	
5	Splice connector	12-10	Yellow	
20	Ring	22-18	Red	6
20	Ring	22-18	Red	8
20	Ring	22-18	Red	10
20	Ring	16-14	Blue	6
20	Ring	16-14	Blue	8
20	Ring	16-14	Blue	10
20	Spade connector	22-18	Red	10

## PVC TERMINAL KIT

SY990113-001



Description	Type	Stud	Gauges	QTY
Ring terminals	4 types	#10, 1/4", #8, 5/16"	16-14 & 12-10	60
Hook terminals	2 types	#8	16-14 & 12-10	30
Spade terminals	2 types	#10, #8	16-14 & 12-10	30
Butt connectors	2 types		16-14 & 12-10	50
Flat disconnect M & F	5 types	1/4"	16-14 & 12-10	80
Bullet disconnect M & F	2 types	0.157	16-14 & 12-10	30
3-way connectors	2 types		16-14 & 12-10	14
5-way crimping tool				1

## TERMINAL ASSORTMENTS

SY990112-001



Description	Type	Stud	Gauges	QTY
Ring terminals	5 types	#10, 1/4", 3/8"	16-14 & 12-10	15
Butt connectors	2 types		16-14 & 12-10	6
Spade terminals	2 types	#10	16-14 & 12-10	6
Tab disconnects	Male/female	0.25	16-14	6



## HEAT SHRINK TUBING, WIRE LOOM & CONDUCTOR CABLE

- Ideal for sealing battery cable ends
- 3 to 1 shrink ratio

### PRE-CUT HEAT-SHRINK CONNECTION TUBING



	Color	Outside Diameter	Wire Sizes	Wall Thickness	Length
SYHSRED	Red	3/4"	#1 - #8	Thin	1.5"
SYHSBLK	Black	3/4"	#1 - #8	Thin	1.5"
SYHSRED1	Red	1"	4/0 - 1/0	Thin	1.5"
SYHSBLK1	Black	1"	4/0 - 1/0	Thin	1.5"
SYHSREDM	Red	3/4"	#1 - #8	Medium	1.5"
SYHSBLKM	Black	3/4"	#1 - #8	Medium	1.5"
SYHSREDM1	Red	1"	4/0 - 1/0	Medium	1.5"
SYHSBLKM1	Black	1"	4/0 - 1/0	Medium	1.5"
SYHSREDHD	Red	3/4"	#1 - #8	Heavy	1.5"
SYHSBLKHD	Black	3/4"	#1 - #8	Heavy	1.5"
SYHSREDHD1	Red	1"	4/0 - 1/0	Heavy	1.5"
SYHSBLKHD1	Black	1"	4/0 - 1/0	Heavy	1.5"

- Used for harnessing, wire bundling, strain reliefs, insulation of terminals and cable jacketing
- Easy to ID by color coding or marking
- Irradiated polyolefin
- -11°F to +175°F (-24°C to +80°C) operating temperature
- UL standard 224
- CSA standard 198
- MIL-1-23053/5A
- 2:1 shrink ratio
- Sold in 4' (1.2m) lengths unless noted

### SHRINK TUBE



	Size	Color		Size	Color
SY9975	1/8" 3mm	Black	SY9983	3/16" 5mm	Red
SY9976	3/16" 5mm	Black	SY9984	1/4" 6mm	Red
SY9977	1/4" 6mm	Black	SY9985	3/8" 10mm	Red
SY9978	3/8" 10mm	Black	SY9986	1/2" 13mm	Red
SY9979	1/2" 13mm	Black	SY9987	3/4" 19mm	Red
SY9980	3/4" 19mm	Black	SY9988	1" 25mm	Red
SY9981	1" 25mm	Black	* SY2-40SR-6	6" 152mm	Red
SY9982	1/8" 3mm	Red	* SY2-40S-6	6" 152mm	Black

\* Precut to 6" lengths

### CONVOLUTED WIRE LOOM









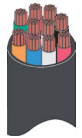
- Slit enables easy installation



Description	Description	Description
SY5685-025 1/4" nylon 25'	SY5691-025 1" nylon 25'	SY505203-100 1/2" poly 100'
SY5685-100 1/4" nylon 100'	SY5691-100 1" nylon 100'	SY505204-050 3/4" poly 50'
SY5687-025 3/8" nylon 25'	SY5692-100 1 1/4" nylon 100'	SY505204-100 3/4" poly 100'
SY5687-100 3/8" nylon 100'	SY505201-050 1/4" poly 50'	SY505205-050 1" poly 50'
SY5688-025 1/2" nylon 25'	SY505201-100 1/4" poly 100'	SY505205-100 1" poly 100'
SY5688-100 1/2" nylon 100'	SY505202-050 3/8" poly 50'	SY505206-050 1 1/4" poly 50'
SY5690-025 3/4" nylon 25'	SY505202-100 3/8" poly 100'	SY505206-100 1 1/4" poly 100'
SY5690-100 3/4" nylon 100'	SY505203-050 1/2" poly 50'	



## HEAT SHRINK TUBING, WIRE LOOM & CONDUCTOR CABLE

CONDUCTOR CABLE	Description		Description		Description
SY58559	<ul style="list-style-type: none"> <li>• 2 conductor</li> <li>• 16G</li> <li>• Type SJOW-A</li> </ul> 		SY41421	<ul style="list-style-type: none"> <li>• 2 conductor</li> <li>• 18G</li> <li>• Type SJOW-A</li> </ul> 	<b>18G - SY58561</b> <b>16G - SY1603</b> <ul style="list-style-type: none"> <li>• 3 conductor</li> <li>• 18G/16G</li> <li>• Type SJOW-A or SJO</li> </ul> 
SY43530	<ul style="list-style-type: none"> <li>• 3 conductor</li> <li>• 18G</li> <li>• Type TC</li> </ul> 		SY43529	<ul style="list-style-type: none"> <li>• 8 conductor</li> <li>• 18G</li> <li>• Type TC</li> </ul> 	<b>SY58563</b> <ul style="list-style-type: none"> <li>• 12 conductor</li> <li>• 16G</li> <li>• Type SOW-A</li> </ul> 
SY43528	<ul style="list-style-type: none"> <li>• 5 conductor</li> <li>• 18G</li> <li>• Type TC</li> </ul> 		SY58564	<ul style="list-style-type: none"> <li>• 6 conductor</li> <li>• 18G</li> <li>• Type TC</li> </ul> 	<b>SY58565</b> <ul style="list-style-type: none"> <li>• 10 conductor</li> <li>• 16G</li> <li>• Type SEOW (SDN)</li> </ul> 

## BATTERY WIRE

### PRIMARY WIRE TYPE GPT/PVC

- 10-18G electrical wire
- Sold in spools of 100' (30.5m)
- Recommended temperature range -40°F to +176°F (-40°C to + 80°C)
- For use whenever SAE J-1128 specifies general circuit wiring



	Description	Size
SY10GA-BLK	Black wire	10G
SY10GA-BLU	Blue wire	10G
SY10GA-BRN	Brown wire	10G
SY10GA-GRN	Green wire	10G
SY10GA-ORG	Orange wire	10G
SY10GA-RED	Red wire	10G
SY10GA-WHT	White wire	10G
SY10GA-YLW	Yellow wire	10G
SY12GA-BLK	Black wire	12G
SY12GA-BLU	Blue wire	12G
SY12GA-BRN	Brown wire	12G
SY12GA-GRN	Green wire	12G
SY12GA-ORG	Orange wire	12G
SY12GA-RED	Red wire	12G

	Description	Size
SY12GA-WHT	White wire	12G
SY12GA-YLW	Yellow wire	12G
SY14GA-BLK	Black wire	14G
SY14GA-BLU	Blue wire	14G
SY14GA-BRN	Brown wire	14G
SY14GA-GRN	Green wire	14G
SY14GA-ORG	Orange wire	14G
SY14GA-RED	Red wire	14G
SY14GA-WHT	White wire	14G
SY14GA-YLW	Yellow wire	14G
SY16GA-BLK	Black wire	16G
SY16GA-BLU	Blue wire	16G
SY16GA-BRN	Brown wire	16G
SY16GA-GRN	Green wire	16G

	Description	Size
SY16GA-ORG	Orange wire	16G
SY16GA-RED	Red wire	16G
SY16GA-WHT	White wire	16G
SY16GA-YLW	Yellow wire	16G
SY18GA-BLK	Black wire	18G
SY18GA-BLU	Blue wire	18G
SY18GA-BRN	Brown wire	18G
SY18GA-GRN	Green wire	18G
SY18GA-ORG	Orange wire	18G
SY18GA-RED	Red wire	18G
SY18GA-WHT	White wire	18G
SY18GA-YLW	Yellow wire	18G

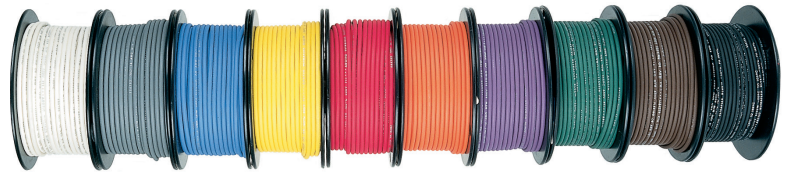


## BATTERY WIRE

### ARTIC ULTRAFLEX BLUE™ WIRE

Artic Ultraflex Blue™ is the premier Artic Grade primary/machine tool wire that is rated and proven to work in the extreme temperature ranges of -55°C to 105°C (-67°F to +221°F). This revolutionary wire combines fine-tuned copper construction with a jacket material designed to be resistant to oil, gasoline, sunlight, salt water, acids and chemicals.

- All-weather grade cable rated and proven to work from -55°C to 105°C (-67°F to +221°F)
- Can be used in most 600V applications
- Highly abrasion-resistant jacket material
- Corrosion-resistant tinned copper conductors
- Numerous applications including those approved under NEC article 400 and associated articles
- Available in a range of primary colors, gauges and configurations
- Bulk quantities available
- Underwriters Laboratories listed MTW 600V
- Canadian Standards Association TEW or AWM 105°C
- Passes UL/CSA vertical flame test



	Description	Size
SYAB10GA-BLK	Black wire	10G
SYAB10GA-BLU	Blue wire	10G
SYAB10GA-BRN	Brown wire	10G
SYAB10GA-GRN	Green wire	10G
SYAB10GA-GRY	Gray wire	10G
SYAB10GA-ORG	Orange wire	10G
SYAB10GA-RED	Red wire	10G
SYAB10GA-WHT	White wire	10G
SYAB10GA-YLW	Yellow wire	10G
SYAB12GA-BLK	Black wire	12G
SYAB12GA-BLU	Blue wire	12G
SYAB12GA-BRN	Brown wire	12G
SYAB12GA-GRN	Green wire	12G
SYAB12GA-GRY	Gray wire	12G
SYAB12GA-ORG	Orange wire	12G
SYAB12GA-PUR	Purple wire	12G

	Description	Size
SYAB12GA-RED	Red wire	12G
SYAB12GA-WHT	White wire	12G
SYAB12GA-YLW	Yellow wire	12G
SYAB14GA-BLK	Black wire	14G
SYAB14GA-BLU	Blue wire	14G
SYAB14GA-BRN	Brown wire	14G
SYAB14GA-GRN	Green wire	14G
SYAB14GA-GRY	Gray wire	14G
SYAB14GA-ORG	Orange wire	14G
SYAB14GA-PUR	Purple wire	14G
SYAB14GA-RED	Red wire	14G
SYAB14GA-WHT	White wire	14G
SYAB14GA-YLW	Yellow wire	14G
SYAB16GA-BLK	Black wire	16G
SYAB16GA-BLU	Blue wire	16G
SYAB16GA-BRN	Brown wire	16G

	Description	Size
SYAB16GA-GRN	Green wire	16G
SYAB16GA-GRY	Gray wire	16G
SYAB16GA-ORG	Orange wire	16G
SYAB16GA-RED	Red wire	16G
SYAB16GA-WHT	White wire	16G
SYAB16GA-YLW	Yellow wire	16G
SYAB18GA-BLK	Black wire	18G
SYAB18GA-BLU	Blue wire	18G
SYAB18GA-BRN	Brown wire	18G
SYAB18GA-GRN	Green wire	18G
SYAB18GA-GRY	Gray wire	18G
SYAB18GA-ORG	Orange wire	18G
SYAB18GA-RED	Red wire	18G
SYAB18GA-WHT	White wire	18G
SYAB18GA-YLW	Yellow wire	18G

\* Sold in 100' (30.5m) and 500' (152.4m) reels

\* When ordering Artic Ultra Blue wire, add -100 to part number for 100' length, -500 for 500' length



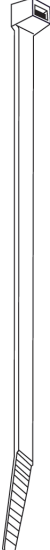
## CABLE TIES


The MX series cable ties are recommended for outdoor use. The addition of carbon black provides ultraviolet resistance and prolongs the life of the cable tie. If large quantities of ties are being installed, TY-RAP® installing tools will increase productivity and reduce operator fatigue.

**ULTRAVIOLET RESISTANT.**



- Low-profile head, good locks, won't snag
- Easy to install, won't slip, mechanic's grip
- Stainless steel lock, maintains correct tension
- Infinitely adjustable design, always the "right" size
- Smooth molded body, less stress sensitive than notched ties
- Ribbed and stippled back, won't slip on bundle
- Registered as Standard 1565
- Qualified under OPC 23190

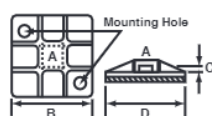
<b>STANDARD NYLON 6/6</b>		<b>Government Designation</b>	<b>Max Tensile Unlocking Strength</b>	<b>Maximum Bundle Diameter</b>	<b>Approx. Length</b>	<b>Body Width</b>	<b>Package Quantity</b>
	<b>SYTY523M</b>	MS3367-4	18lb 8kg	0.6" 16mm	3.6" 92mm	0.09" 2mm	100
	<b>SYTY5232M</b>	MS3367-4	18lb 8kg	2.0" 51mm	8.0" 203mm	0.09" 2mm	100
	<b>SYTY524M</b>	MS3367-5	40lb 18kg	1.1" 29mm	5.5" 140mm	0.14" 4mm	100
	<b>SYTY5242M</b>	MS3367-5	40lb 18kg	2.0" 51mm	8.2" 208mm	0.14" 4mm	100
	<b>SYTY526M</b>	MS3367-5	40lb 18kg	3.0" 76mm	11.1" 282mm	0.14" 4mm	100
	<b>SYTY5244M</b>	MS3367-5	40lb 18kg	4.0" 102mm	14.5" 368mm	0.14" 4mm	100
	<b>SYTY525M</b>	MS3367-1	50lb 23kg	1.7" 45mm	7.3" 186mm	0.18" 5mm	100
	<b>SYTY5253M</b>	MS3367-7	50lb 23kg	3.0" 76mm	11.4" 290mm	0.18" 5mm	100
	<b>SYTY528M</b>	MS3367-2	50lb 23kg	4.0" 102mm	14.2" 361mm	0.18" 5mm	100
	<b>SYTY5272M</b>	MS3367-2	120lb 54kg	2.0" 51mm	9.0" 229mm	0.27" 7mm	100
	<b>SYTY527M</b>	MS3367-3	120lb 54kg	3.5" 89mm	13.4" 340mm	0.27" 7mm	100
	<b>SYTY5275M</b>	MS3367-3	120lb 54kg	5.0" 127mm	18.0" 457mm	0.27" 7mm	50
	<b>SYTY529M</b>	MS3367-6	120lb 54kg	9.0" 229mm	30.0" 762mm	0.30" 8mm	50
	<b>SYTY54513M</b>	MS3367-6	175lb 79kg	13.0" 330mm	45.0" 1,143mm	0.32" 8mm	50

<b>NYLON 6/6 WEATHER RESISTANT</b>		<b>Government Designation</b>	<b>Max Tensile Unlocking Strength</b>	<b>Maximum Bundle Diameter</b>	<b>Approx. Length</b>	<b>Body Width</b>	<b>Package Quantity</b>
	<b>SYTY523MX</b>	MS3367-4	18lb 8kg	0.6" 16mm	3.6" 92mm	0.09" 2mm	100
	<b>SYTY5232MX</b>	MS3367-4	18lb 8kg	2.0" 51mm	8.0" 203mm	0.09" 2mm	100
	<b>SYTY524MX</b>	MS3367-5	40lb 18kg	1.1" 29mm	5.5" 140mm	0.14" 4mm	100
	<b>SYTY5242MX</b>	MS3367-5	40lb 18kg	2.0" 51mm	8.2" 208mm	0.14" 4mm	100
	<b>SYTY526MX</b>	MS3367-5	40lb 18kg	3.0" 76mm	11.1" 282mm	0.14" 4mm	100
	<b>SYTY5244MX</b>	MS3367-5	40lb 18kg	4.0" 102mm	14.5" 368mm	0.14" 4mm	100
	<b>SYTY525MX</b>	MS3367-1	50lb 23kg	1.7" 45mm	7.3" 186mm	0.18" 5mm	100
	<b>SYTY5253MX</b>	MS3367-7	50lb 23kg	3.0" 76mm	11.4" 290mm	0.18" 5mm	100
	<b>SYTY528MX</b>	MS3367-2	50lb 23kg	4.0" 102mm	14.2" 361mm	0.18" 5mm	100
	<b>SYTY5272MX</b>	MS3367-2	120lb 54kg	2.0" 51mm	9.0" 229mm	0.27" 7mm	100
	<b>SYTY527MX</b>	MS3367-3	120lb 54kg	3.5" 89mm	13.4" 340mm	0.27" 7mm	100
	<b>SYTY5275MX</b>	MS3367-3	120lb 54kg	5.0" 127mm	18.0" 457mm	0.27" 7mm	50
	<b>SYTY529MX</b>	MS3367-6	120lb 54kg	9.0" 229mm	30.0" 762mm	0.30" 8mm	50
	<b>SYTY53510MX</b>	MS3367-6	175lb 79kg	10.0" 254mm	35.0" 889mm	0.32" 8mm	50
	<b>SYTY54513MX</b>	MS3367-6	175lb 79kg	13.0" 330mm	45.0" 1,143mm	0.32" 8mm	50



## CABLE TIES

### CABLE TIE MOUNTS



	Slot Width A	Width B	Slot Height C	Length D	Color	Quantity
SYTYM10434	0.15" 4mm	0.75" 19mm	0.05" 1mm	0.75" 19mm	White	100
SYTYM1041	0.20" 5mm	1.00" 25mm	0.07" 2mm	1.00" 25mm	White	100
SYTYM10415	0.36" 9mm	1.50" 40mm	0.14" 4mm	1.00" 25mm	White	100
SYTYMB10434	0.15" 4mm	0.75" 19mm	0.05" 1mm	0.75" 19mm	Black	100
SYTYMB1041	0.20" 5mm	1.00" 25mm	0.07" 2mm	1.00" 25mm	Black	100
SYTYMB10415	0.36" 9mm	1.50" 40mm	0.14" 4mm	1.00" 25mm	Black	100

### CABLE TIE SADDLE MOUNTS



	Cable Tie Pull Strength	Mounting	Width	Length	Height	Color	Quantity
SYCTM1W	18 - 50lb 8-23kg	#8 Screw	0.38" 10mm	0.60" 15mm	0.27" 7mm	White	100
SYCTM1B	18 - 50lb 8-23kg	#8 Screw	0.38" 10mm	0.60" 15mm	0.27" 7mm	Black	100
SYCTM2B	18 - 120lb 8-54kg	#8 Screw	0.62" 16mm	0.88" 22mm	0.38" 10mm	Black	100
SYCTM3W	18 - 120lb 8-54kg	#10 Screw	0.62" 16mm	0.88" 22mm	0.38" 10mm	White	100
SYCTM3B	18 - 120lb 8-54kg	#10 Screw	0.62" 16mm	0.88" 22mm	0.38" 10mm	Black	100
SYCTM4W	18 - 120lb 8-54kg	.250" Screw	0.62" 16mm	0.88" 22mm	0.38" 10mm	White	100

## BATTERY CABLE, BATTERY CLIPS, BATTERY CAPS & BATTERY CLAMPS

### ARTIC ULTRAFLEX BLUE™ WIRE

Artic Ultraflex Blue™ is the premier Artic Grade primary/machine tool wire that is rated and proven to work in the extreme temperature ranges of -55°C to 105°C (-67°F to +221°F). This revolutionary wire combines fine-tuned copper construction with a jacket material designed to be resistant to oil, gasoline, sunlight, salt water, acids and chemicals.

- All-weather grade cable rated and proven to work from -55°C to 105°C (-67°F to +221°F)
- Can be used in most 600V applications
- Sold in 50' increments
- Highly abrasion-resistant jacket material
- Available in a range of primary colors, gauges and configurations



	Description	Size
SYAB4GA-BLK	Black wire	4G
SYAB8GA-BLK	Black wire	8G
SYAB8GA-BLU	Blue wire	8G
SYAB8GA-GRN**	Green wire	8G
SYAB8GA-RED	Red wire	8G
SYAB8GA-WHT**	White wire	8G
SYAB6GA-BLK	Black wire	6G
SYAB6GA-BLU	Blue wire	6G
SYAB6GA-RED	Red wire	6G
SYAB6GA-WHT**	White wire	6G
SYAB4GA-BLK	Black wire	4G
SYAB4GA-BLU	Blue wire	4G

	Description	Size
SYAB4GA-GRN**	Green wire	4G
SYAB4GA-RED	Red wire	4G
SYAB4GA-WHT**	White wire	4G
SYAB2GA-BLK	Black wire	2G
SYAB2GA-BLU	Blue wire	2G
SYAB2GA-GRN**	Green wire	2G
SYAB2GA-RED	Red wire	2G
SYAB1GA-BLK	Black wire	1G
SYAB1GA-RED	Red wire	1G
SYAB1/0-BLK	Black wire	1/0
SYAB1/0-BLU	Blue wire	1/0
SYAB1/0-GRN**	Green wire	1/0

	Description	Size
SYAB1/0-RED	Red wire	1/0
SYAB2/0-BLK	Black wire	2/0
SYAB2/0-BLU	Blue wire	2/0
SYAB2/0-GRN**	Green wire	2/0
SYAB2/0-RED	Red wire	2/0
SYAB2/0-WHT**	White wire	2/0
SYAB3/0-BLK	Black wire	3/0
SYAB3/0-RED	Red wire	3/0
SYAB4/0-BLK	Black wire	4/0
SYAB4/0-BLU	Blue wire	4/0
SYAB4/0-RED	Red wire	4/0

For 100' spooled cable, use Part # and add "-100" suffix

\*\* Not standard but available in these colors; special order items with appropriate quantities



## BATTERY CABLE, BATTERY CLIPS, BATTERY CAPS & BATTERY CLAMPS

### BATTERY CLIPS



SY120198-200

Description  
Charging clips  
with vinyl boots



SY120199-200

Description  
Alligator clips  
with vinyl boots

### BATTERY CAPS

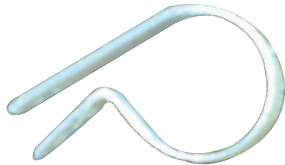


SY2901

Description  
6 per package

### CABLE CLAMPS - NATURAL NYLON

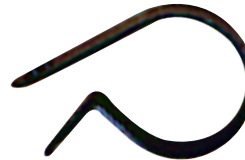
- Standard packaging 100
- Bulk quantities available



	Diameter
SYTCL18	1/8" 3mm
SYTCL36	3/16" 5mm
SYTCL56	5/16" 8mm
SYTCL38	3/8" 10mm
SYTCL12	1/2" 13mm
SYTCL34	3/4" 19mm
SYTCL78	7/8" 22mm
SYTCL1	1" 25mm

### CABLE CLAMPS - BLACK NYLON

- Standard packaging 100
- Bulk quantities available



	Diameter
SYTCLB18	1/8" 3mm
SYTCLB36	3/16" 5mm
SYTCLB14	1/4" 6mm
SYTCLB56	5/16" 8mm
SYTCLB12	1/2" 13mm
SYTCLB34	3/4" 19mm
SYTCLB78	7/8" 22mm
SYTCLB1	1" 25mm

### CABLE CLAMPS - METAL

- Sold individually
- Bulk quantities available



	Diameter
SYMCL14	1/4" 6mm
SYMCL12	1/2" 13mm
SYMCL58	5/8" 16mm
SYMCL34	3/4" 19mm
SYMCL1	1" 25mm
SYMCL112	1 1/2" 38mm



# CLEANING

## HAND CLEANERS

### ORIGINAL FORMULA™ HAND CLEANER



SYGJ1109-12	14oz
SYGJ1115-06	4½lb

#### Description

### NATURAL ORANGE™ PUMICE HAND CLEANER

Citrus fragrance and fast action lotion formula for cleaning a variety of:

- Industrial soils
- Mild dirt
- Grease



SYGJ0955-02	1gal
SYGJ0957-12	14oz
SYGJ0958-04	½gal
SYGJ7255-04	2000ml
SYGJ7255-D2	Hand cleaner kit
SYGJ7556-02	5000ml

#### Description

### NATURAL ORANGE™ SMOOTH HAND CLEANER



SYGJ0945-04	1gal
SYGJ0947-12	14oz

#### Description

### FINE ITALIAN PUMICE HAND CLEANER

Heavy duty cleaner with scrubbing particles for extra action in removing:

- Grease
- Tar
- Oil



SYGJ1135-06	4lb
-------------	-----

#### Description

### FAST WIPES®

- Used for quick cleanup of light grease and oils
- Use when servicing vehicles, on the workbench or wherever water is not available



SYGJ6201-01	Bracket for 130 count tub
SYGJ6202-01	Bracket for 225 count tub
SYGJ6298-04	130 count
SYGJ6299-02	225 count

#### Description

## TOTAL SOURCE®

### PREMIUM QUALITY HAND SOAPS & WIPES

Ideal for any application:

- Maintenance
- Industrial
- Construction
- Service
- Automotive
- Printing
- Plumbing
- Electrical

### PREMIUM HAND SOAP



SY17734428	3000ml
------------	--------

#### Description

### PREMIUM HAND SOAP REFILL BAG



SY101PM7549	3000ml
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#### Description

### NATURAL® SMOOTH HAND CLEANER



SYGJ7250-04	2000ml
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#### Description



## CLEANING SUPPLIES

### POLYETHYLENE DUSTING BRUSH

#### Description



SY59293

- Brush length - 8"
- Bristle length - 2<sup>5</sup>/<sub>8</sub>"
- Overall length - 14"

### POLYETHYLENE ECONOMY DUST PAN

#### Description



SY59292

12<sup>1</sup>/<sub>4</sub>"W x 8<sup>1</sup>/<sub>4</sub>"D

### COTTON TOWELS

#### Description



SY9990

Package of 10

### HAND MEDIC

#### Description

Antiseptic skin treatment to help heal skin that is:

- Dry
- Rough
- Cracked



SYGJ8145-06

8oz bottle

SYGJ8150-12

5oz tube

SYGJ8242-06

Refill

### DISINFECTANT SPRAY

#### Description

- Lemon scent
- Kills 99.9% germs
- Controls mold and mildew
- Eliminates odor



SYCL1002

20oz can

### GERMICIDAL FOAMING SPRAY

#### Description

- Cleans and deodorizes
- Bactericidal, antibacterial, fungicidal and virucidal
- Demonstrated effectiveness against viruses similar to 2019 Novel Coronavirus on hard non-porous surfaces



SYCL873

20oz

### HAND SANITIZER GEL

#### Description

- Kills 99.9% germs
- 70% alcohol
- Moisturizing aloe vera formula
- No added scent



SY641490

8.45oz

### SCRUBS® IN-A-BUCKET

#### Description

- These convenient towelettes feature a potent cleaning agent, coupled with a hand conditioner to relieve chapped hands
- They remove accidental pesticide stains and residue, even Prowl and Treflan. They remove livestock odors, including hog odors.
- Excellent general purpose cleaning properties for the toughest, greasiest hand stains
- No rinsing or toweling off required
- Size: 10.50" x 12.25" 267mm x 311mm














SY9995

72 towels per bucket





























## LUBRICANTS, ADHESIVES & SEALANTS

Description	Description	Description
<b>SY1112</b>  Cool Tec 2 12oz 355ml	<b>SY3912</b>  Power steering fluid 12oz 355ml	<b>SY7009</b>  Dry graphite lube spray 11oz 325ml
<b>SY100016</b>  Fuel Prep 1000 12oz 355ml	<b>SY4012</b>  Wrench-Eze spray 11oz 325ml	<b>SY7011</b>  Battery protector spray 11.5oz 340ml
<b>SY2112</b>  Fuel injector cleaner 12oz 355ml	<b>SY4620</b>  Non-chlorinated brake cleaner 14oz 414ml	<b>SY7012</b>  Battery cleaner spray 15oz 444ml
<b>SY2114</b>  Gum-Solve carburetor spray 15oz 444ml	<b>SY5112</b>  Nox-Ice gas line antifreeze 12oz 355ml	<b>SY7014</b>  Electric motor cleaner 19oz 562ml
<b>SY3112</b>  Motor Aid oil treatment 12oz 355ml	<b>SY5315</b>  Premium starting fluid 11oz 325ml	<b>SY9886</b>  Engine cleaner & degreaser 14.5oz 429ml
<b>SY3210</b>  Transmission & power steering conditioner 12oz 355ml	<b>SY7001</b>  Red grease spray 11oz 325ml	<b>SY9887</b>  White lithium grease spray 11oz 326ml
<b>SY3416</b>  Silicone spray 10oz 296ml	<b>SY7003</b>  Open gear lube spray 11oz 325ml	<b>SY9888</b>  Belt dressing spray 7oz 207ml
<b>SY3716</b>  Diesel Flo 12oz 355ml	<b>SY7006</b>  Chain lube spray 10oz 296ml	<b>SY7005</b>  Innerslide lubricant for vertical columns and slides 10.5oz 311ml























## LUBRICANTS, ADHESIVES & SEALANTS

Description	Description	Description
<b>SY9801</b>  Removable threadlocker 0.34oz 10ml	<b>SY9809</b>  Red RTV silicone adhesive 10.15oz 300ml	<b>SY9822</b>  Quickset 404 adhesive 0.34oz 10ml
<b>SY9802</b>  Heavy duty threadlocker 0.34oz 10ml	<b>SY9810</b>  Clear RTV adhesive 3oz 85g	<b>SY9826</b>  Threadlocking adhesive 0.34oz 10ml
<b>SY9803</b>  Pipe sealant 1.69oz 50ml	<b>SY9811</b>  Super bonder 0.10oz 3ml	<b>SY9829</b>  Aviation gasket sealer 15oz 444ml
<b>SY9804</b>  Retaining compound 0.34oz 10ml	<b>SY9812</b>  Removable threadlocker 1.69oz 50ml	<b>SY9830</b>  Retaining compound 0.2oz 6ml
<b>SY9805</b>  Gasket maker 1.69oz 50ml	<b>SY9814</b>  Superflex Blue RTV Silicone adhesive 2.7oz 80ml	<b>SY9831</b>  Black contact adhesive 5oz 148ml
<b>SY9806</b>  Gasket remover 18oz 532ml	<b>SY9815</b>  Anti-seize lube 1lb 0.45kg	<b>SY9833</b>  Hi-Tack® gasket sealant 16oz 473ml
<b>SY9807</b>  Form-a-Gasket 1.50oz 45ml	<b>SY9818</b>  Black RTV silicone adhesive 2.7oz 80ml	<b>SY9846</b>  Belt dressing gasket sealant 12oz 355ml
<b>SY9808</b>  Black RTV silicone adhesive 10.15oz 300ml	<b>SY9819</b>  Red RTV silicone adhesive 2.7oz 80ml	<b>SY9839</b>  Lube & protect spray 16oz 473ml










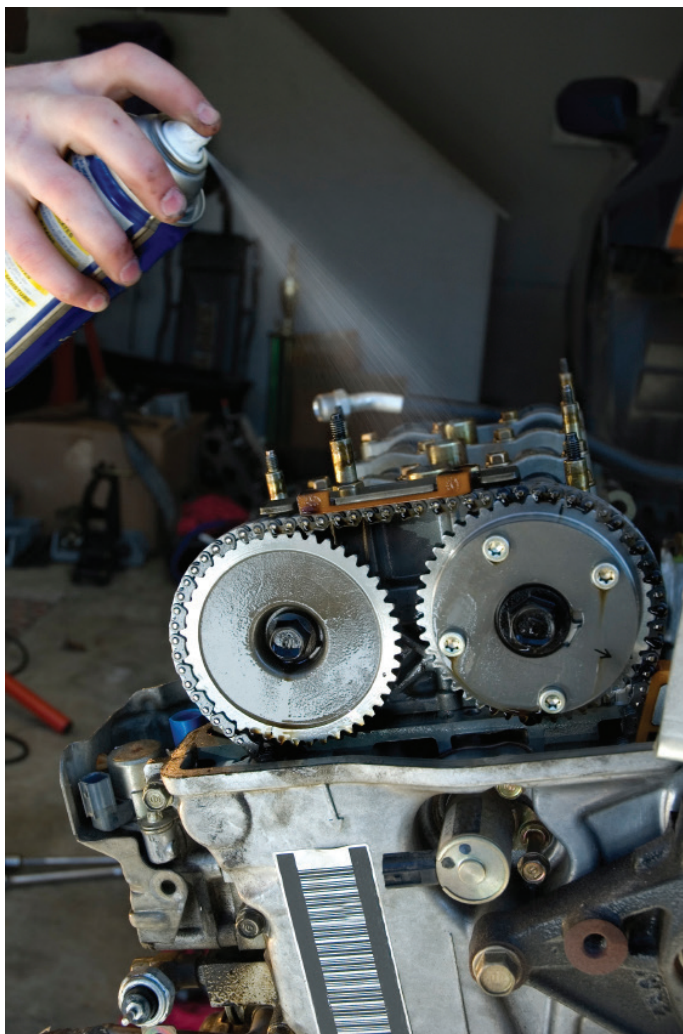
## LUBRICANTS, ADHESIVES & SEALANTS

Description	Description	Description
<b>SY9844</b>  Gear chain & cable lube 12oz 355ml	<b>SY34327</b>  Red RTV sealant 10oz 296ml	<b>SY34335</b>  Blue bolt locker medium duty 0.34oz 10ml
<b>SY9849</b>  Cleaner & degreaser 15oz 444ml	<b>SY34328</b>  Belt dressing 12oz 355ml	<b>SY4750</b>  Food grade heavy duty white grease 10oz 296ml
<b>SY9851</b>  Parts cleaner 16oz 473ml	<b>SY34329</b>  Anti-seize lube 1lb 0.45kg	<b>SY4751</b>  Food grade machine oil 16oz 473ml
<b>SY34323</b>  Blue bolt locker medium duty 1.7oz 50ml	<b>SY34330</b>  Dynablue RTV gasket maker 3oz 85g	<b>SY1248627</b>  Food grade chain lube 16oz 473ml
<b>SY34324</b>  Retaining compound 0.34oz 10ml	<b>SY34331</b>  Black RTV adhesive 3oz 85g	<b>SY1258518</b>  Food grade silicone lubricant 13oz 384ml
<b>SY34325</b>  Super Glue 0.1oz 3g	<b>SY34332</b>  Silicone red gasket maker 3oz 85g	<b>SY87808</b>  WD-40 11oz 325ml
<b>SY34326</b>  Red bolt locker heavy duty 0.34oz 10ml	<b>SY34334</b>  Gasket remover 13oz 385ml	




















## FLUIDS & GREASE

Description		Description		Description	
SY9853	Heavy duty grease 14oz 414ml	SY9843	Synthetic lube with Teflon 11oz 325ml	SY4050T	Poly 7 hi-temp grease 14oz 414ml
					
SY9854	Heavy duty wheel bearing grease 16 oz 473ml	SY9859	DOT 5 Silicone brake fluid 12oz 355ml		
					
SY4055K	DOT 3 HD Brake fluid 12oz 355ml	SY4052T	Lithium grease 14oz 414ml		
					



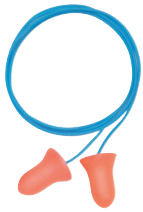




## ANTIFREEZE, OIL & TRANSMISSION FLUID


Description	Description	Description
<b>SY4181D</b>  AW68 Hydraulic oil 5gal 18.93L	<b>SY4232H</b>  10W30 Synthetic blend motor oil 32oz 946ml	<b>SY4119F</b>  Universal antifreeze and coolant 1gal 3.785L
<b>SY4245N</b>  AW32 Hydraulic oil 1gal 3.785L	<b>SY4355H</b>  Universal automatic transmission fluid 32oz 946ml	<b>SY4116F</b>  50/50 Antifreeze and coolant 1gal 3.785L
<b>SY4314H</b>  75W90 Synthetic gear oil 1gal 3.785L	<b>SY4355N</b>  Universal automatic transmission fluid 1gal 3.785L	<b>SY4152N</b>  15W40 Heavy duty motor oil 1gal 3.785L
<b>SY4120N</b>  80W90 Heavy duty gear lube 1gal 3.785L	<b>SY4180N</b>  AW46 Hydraulic oil 1gal 3.785L	
<b>SY4232N</b>  10W30 Synthetic blend motor oil 1gal 3.785L	<b>SY4000N</b>  Tractor Hydraulic fluid 1gal 3.785L	
<b>SY4120H</b>  80W90 Heavy duty gear lube 32oz 946ml	<b>SY4152H</b>  15W40 Heavy duty motor oil 32oz 946ml	
<b>SY4033H</b>  SAE 30 Heavy duty motor oil 32oz 946ml	<b>SY4181N</b>  AW68 hydraulic oil 1gal 3.785L	



## EAR PLUGS

Description		Description	
<ul style="list-style-type: none"> <li>• Highest NRR available (NR33rB)</li> <li>• Soft, smooth, self-adjusting foam provides low pressure comfort with excellent attenuation</li> <li>• Breakaway cord protects wearer in case of machine entanglement</li> </ul>	<b>SY9992</b> E-A-Rsoft™ 	<ul style="list-style-type: none"> <li>• 100 per box</li> </ul>	<b>SY74086</b> Ear plugs without cord 
<ul style="list-style-type: none"> <li>• Highest level of protection available in a semi-insert hearing protector</li> <li>• A comfortable, effective, lightweight alternative to ear muff</li> <li>• May be worn in any of three positions (over-the-head, under-the-chin, behind-the-head)</li> <li>• Lightweight dielectric plastic construction</li> </ul>	<b>SY9993</b> E-A-Rflex™ 		


## FIRST AID KITS

Description	
	<b>SY74017</b> Fanny pack first aid kit

## DISPOSABLE GLOVES

		Size
<ul style="list-style-type: none"> <li>• Black nitrile</li> <li>• 6 mil thickness</li> <li>• Puncture and chemical resistant</li> <li>• Powder free</li> <li>• Polymer coated</li> <li>• Latex-free</li> <li>• Textured/micro-roughened</li> <li>• Ambidextrous</li> </ul>		<b>SY1223112</b> Small
		<b>SY1223113</b> Medium
		<b>SY1223114</b> Large
		<b>SY1223115</b> X-Large
		<b>SY1223116</b> 2X-Large

## ACID RESISTANT GLOVES

		Length	Color
<ul style="list-style-type: none"> <li>• 100% natural rubber latex</li> <li>• 20 mil thickness</li> <li>• Acid, puncture and tear resistant</li> </ul>		<b>SYPPGR129</b> 12" 305mm	Yellow
		<b>SYPPGR103</b> 13" 330mm	Orange



## ACID SLEEVES

### SYPPGR1890

- Sleeves offer splash protection to forearms
- Elastic at both cuff and biceps to ensure a snug fit
- Size: 15" 381mm
- Color: Green



## ACID APRON

### SYPPGR1890

- Constructed to meet the demands of industrial and commercial applications and to provide comfort to the wearer
- Apron is the ultimate in heavy-duty protection
- Fabric is acid, caustic, and puncture resistant
- Fabric meets federal standard for flame resistance
- Adjustable neck loop
- Ties attach to secure around the waist
- Size: 45" x 35" 1,143mm x 889mm
- Color: Green



## DISPOSABLE ACID GAS RESPIRATORS

- Reuse until the dual cartridge units are completely exhausted
- Pre-assembled to eliminate cartridge and filter hassles
- Constructed of soft, comfortable, lightweight thermoplastic rubber
- Low profile cartridge placement is designed for a better field of vision
- Ideal for multi-purpose workplace applications



SYPPGR189

### Description

Large

## RESPIRATOR

### SY74020

- Compact design
- Soft and flexible, allows for individual facial adjustment
- 50 count



## HARD HAT

### SY59291

- 6 suspension points
- Ratchet systems offer simple, accurate adjustment to fit head sizes 6.5-8" with a turn of a knot
- ANSI Class E



## SAS BACK SUPPORT

- Made of lightweight, cool, washable polyester
- 4 plastic stays for flexible, contoured support
- Tapered design allow a full range of body motion while maintaining proper support
- Two sets of dual elastic stretch-bands for maximum, adjustable supports



### Size

### Color

SY88038	Small: 28" - 32"	Black
SY88033	Medium: 32" - 38"	Black
SY88039	Large: 38" - 47"	Black
SY88041	X-Large: 46" - 56"	Black
SY88044	2X-Large: 54" - 58"	Black



## SAS GLOVES

### SAS LEATHER DRIVING GLOVES

- Top grain pigskin
- Straight thumb
- Strong and comfortable leather
- Excellent protection for grinding, cutting and dismantling



	Size
SY1223135	Medium
SY1223136	Large
SY1223137	X-Large

### SAS MX PROTOCOL MECHANIC'S GLOVES

- Synthetic leather palm
- Excellent dexterity and flexibility for intricate work
- Outstanding gripping power
- Great protection against blisters, cuts and abrasions
- Stretch-top for great flexibility and ease of movement



	Size
SY1223121	Medium
SY1223122	Large
SY1223123	X-Large
SY1223124	2X-Large

## KNEE PADS

### DELUXE KNEE PADS

#### SY88030

- Plastic cap over tough nylon fabric with soft foam rubber core
- Water and abrasion resistant
- Hook-and-loop closures



### DELUXE GEL KNEE PADS

#### SY88028

- Super thick 0.5" high density closed-cell foam
- Large, low-profile cap designed to prevent "roll over"
- Anti-compression air injected gel
- Easy to use hook-and-loop closures



## FULL BODY HARNESS

- Fully adjustable design
- One universal size fits most



	Size	Color
SY6470	S/M	Yellow
SY6471	L/XL	Yellow
SY6472	2XL	Yellow
SY6481	L/XL	Green
SY6482	2XL	Green
SY71346	3XL	Green



## HIGH VISIBILITY SAFETY GEAR



### GLOWEAR® BY ERGODYNE

GloWear® Class 2 vests are best for folks working near traffic on tasks that make them turn their attention away from traffic. For safety and comfort, we load these vests with 3M™ Scotchlite™ Glass Bead and Hi-Gloss tape, ANSI-compliant background materials, and lots of fabric and closure options.



### WHAT IS "ANSI 207"?

ANSI/ISEA 207, AKA the Public Safety Vest (PSV) Standard, is the recent high visibility garment standard developed specifically for public safety personnel needing both optimal visibility AND quick access to weapons and other gear. It DOES NOT replace or supersede ANSI/ISEA 107. ANSI 107 is still the most widely used and recognized high visibility standard in the U.S.

### WHO SHOULD WEAR AN ANSI 207 VEST?

The standard is intended ONLY for police, firefighters, EMS, and other public safety personnel working in or near traffic who need tactical access to belted weapons or gear. The PSV standard is not intended to replace or to be interchangeable with ANSI 107. Officers doing traffic control are still encouraged to wear ANSI/ISEA 107-Class 2 or Class 3 compliant garments.

ANSI	RECOMMENDED FOR WHEN	JOB EXAMPLES
CLASS 1	<ul style="list-style-type: none"> <li>Workers can devote full attention to traffic</li> <li>There is ample separation from traffic</li> <li>Backgrounds are not complete</li> <li>Vehicles are moving slowly</li> </ul>	<ul style="list-style-type: none"> <li>Parking lot attendants</li> <li>Shopping cart wranglers</li> <li>Warehouse workers</li> <li>Baggage handlers</li> <li>Delivery vehicle drivers</li> </ul>
CLASS 2	<ul style="list-style-type: none"> <li>Workers must divert attention from traffic</li> <li>Workers are close to traffic areas</li> <li>Greater visibility needed during foul weather</li> <li>Complex backgrounds</li> </ul>	<ul style="list-style-type: none"> <li>Road construction workers</li> <li>Utility crews</li> <li>Survey workers</li> <li>Baggage handlers</li> <li>Emergency response</li> <li>Warehouse workers</li> </ul>
CLASS 3	<ul style="list-style-type: none"> <li>Workers are exposed to high speed traffic</li> <li>Worker and vehicle operator must concentrate on tasks</li> <li>Workers must be conspicuous through all body motions</li> <li>Complex backgrounds</li> </ul>	<ul style="list-style-type: none"> <li>Flaggers</li> <li>Road construction workers</li> <li>Utility crews</li> <li>Emergency response teams</li> <li>Flagging crews</li> <li>Survey crews</li> <li>Railway workers</li> </ul>



**3M™ SCOTCHLITE™ GLASS BEAD TAPE**  
Every square inch meets the Ansi-107 standard.



**3M™ SCOTCHLITE™ HI-GLOSS TAPE**  
Guaranteed visibility both day and night. High-gloss tape is also very effective in wet conditions.



**GARMENT DESIGN OPTIONS**  
With zipper and hook and loop closures, mesh and solid fabrics, glass bead and high gloss tapes, you have options!



**COMPLIANT MATERIALS**  
GloWear Hi-Visibility apparel is made of ANSI-compliant tapes and background material to assure the highest performance.

### CLASS 2 VESTS

#### Size & Color

#### Super Economy Vest



SY8205HL-2X/3X-L	2X/3X Lime
SY8205HL-2X/3X-O	2X/3X Orange
SY8205HL-4X/5X-L	4X/5X Lime
SY8205HL-4X/5X-O	4X/5X Orange
SY8205HL-L/XL-L	L/XL Lime
SY8205HL-L/XL-O	L/XL Orange
SY8205HL-S/M-L	S/M Lime
SY8205HL-S/M-O	S/M Orange
SY8205Z-2X/3X-L	2X/3X Lime
SY8205Z-2X/3X-O	2X/3X Orange
SY8205Z-4X/5X-L	4X/5X Lime
SY8205Z-L/XL-L	L/XL Lime
SY8205Z-L/XL-O	L/XL Orange
SY8205Z-S/M-O	S/M Orange

#### Economy Vest



SY8210HL-L/XL-L	L/XL Lime
SY8210HL-L/XL-O	L/XL Orange
SY8210HL-S/M-L	S/M Lime
SY8210HL-S/M-O	S/M Orange

### CLASS 2 VESTS

#### Size & Color

#### Economy Breakaway Vest



SY8215BA-2X/3X-L	2X/3X Lime
SY8215BA-2X/3X-O	2X/3X Orange
SY8215BA-4X/5X-L	4X/5X Lime
SY8215BA-4X/5X-O	4X/5X Orange
SY8215BA-L/XL-L	L/XL Lime
SY8215BA-L/XL-O	L/XL Orange
SY8215BA-S/M-L	S/M Lime
SY8215BA-S/M-O	S/M Orange

#### Standard Vest



SY8220HL-2X/3X-L	2X/3X Lime
SY8220HL-2X/3X-O	2X/3X Orange
SY8220HL-4X/5X-L	4X/5X Lime
SY8220HL-4X/5X-O	4X/5X Orange
SY8220HL-L/XL-L	L/XL Lime
SY8220HL-L/XL-O	L/XL Orange
SY8220HL-S/M-L	S/M Lime
SY8220HL-S/M-O	S/M Orange

#### Standard Vest



SY8220Z-2X/3X-L	2X/3X Lime
SY8220Z-2X/3X-O	2X/3X Orange
SY8220Z-4X/5X-L	4X/5X Lime
SY8220Z-4X/5X-O	4X/5X Orange
SY8220Z-L/XL-L	L/XL Lime
SY8220Z-L/XL-O	L/XL Orange
SY8220Z-S/M-L	S/M Lime
SY8220Z-S/M-O	S/M Orange



## HIGH VISIBILITY SAFETY GEAR

### CLASS 2 VESTS

### Size & Color

Standard Vest



SY8220ZHG-2X/3X-L	2X/3X Lime
SY8220ZHG-2X/3X-O	2X/3X Orange
SY8220ZHG-4X/5X-L	4X/5X Lime
SY8220ZHG-4X/5X-O	4X/5X Orange
SY8220ZHG-L/XL-L	L/XL Lime

SY8220ZHG-L/XL-O L/XL Orange

SY8220ZHG-S/M-L S/M Lime

SY8220ZHG-S/M-O S/M Orange

Standard Vest



SY8225Z-2X/3X-L 2X/3X Lime

SY8225Z-2X/3X-O 2X/3X Orange

SY8225Z-4X/5X-L 4X/5X Lime

SY8225Z-4X/5X-O 4X/5X Orange

SY8225Z-L/XL-L L/XL Lime

SY8225Z-L/XL-O L/XL Orange

SY8225Z-S/M-L S/M Lime

SY8225Z-S/M-O S/M Orange

Two-Tone Economy Vest



SY8229Z-2X/3X-L 2X/3X Lime

SY8229Z-2X/3X-O 2X/3X Orange

SY8229Z-4X/5X-L 4X/5X Lime

SY8229Z-4X/5X-O 4X/5X Orange

SY8229Z-L/XL-L L/XL Lime

SY8229Z-L/XL-O L/XL Orange

SY8229Z-S/M-L S/M Lime

SY8229Z-S/M-O S/M Orange

Two-Tone Vest



SY8230Z-2X/3X-L 2X/3X Lime

SY8230Z-2X/3X-O 2X/3X Orange

SY8230Z-2X/3X-Y 2X/3X yellow

SY8230Z-4X/5X-L 4X/5X Lime

SY8230Z-4X/5X-O 4X/5X Orange

SY8230Z-4X/5X-Y 4X/5X yellow

SY8230Z-L/XL-L L/XL Lime

SY8230Z-L/XL-O L/XL Orange

SY8230Z-L/XL-Y L/XL yellow

SY8230Z-S/M-O S/M Orange

SY8230Z-S/M-Y S/M yellow

Two-Tone X-Back Vest



SY8235ZX-2X/3X-O 2X/3X Orange

SY8235ZX-4X/5X-O 4X/5X Orange

SY8235ZX-L/XL-O L/XL Orange

SY8235ZX-S/M-O S/M Orange

### CLASS 2 VESTS

### Size & Color

Two-Tone Expandable Vest



SY8240HL-M/L-L M/L Lime

SY8240HL-M/L-O M/L Orange

SY8240HL-XL/XXL XL/XXL Lime

SY8240HL-XL/XXL-O XL/2XL Orange

Surveyors Vest



SY8250Z-2X/3X-L 2X/3X Lime

SY8250Z-2X/3X-O 2X/3X Orange

SY8250Z-4X/5X-L 4X/5X Lime

SY8250Z-4X/5X-O 4X/5X Orange

SY8250Z-L/XL-L L/XL Lime

SY8250Z-L/XL-O L/XL Orange

SY8250Z-S/M-L S/M Lime

SY8250Z-S/M-O S/M Orange

Surveyors Vest



SY8250ZHG-2X/3X-L 2X/3X Lime

SY8250ZHG-2X/3X-O 2X/3X Orange

SY8250ZHG-4X/5X-L 4X/5X Lime

SY8250ZHG-4X/5X-O 4X/5X Orange

SY8250ZHG-L/XL-L L/XL Lime

SY8250ZHG-L/XL-O L/XL Orange

SY8250ZHG-S/M-L S/M Lime

SY8250ZHG-S/M-O S/M Orange

Standard Vest



SY8252Z-2X/3X-O 2X/3X Orange

SY8252Z-4X/5X-L 4X/5X Lime

SY8252Z-4X/5X-O 4X/5X Orange

SY8252Z-L/XL-O L/XL Orange

SY8252Z-S/M-L S/M Lime

SY8252Z-S/M-O S/M Orange



## HIGH VISIBILITY SAFETY GEAR

### CLASS 3 VESTS

#### Economy Vest



Size & Color
SY8310HL-2X/3X-L 2X/3X Lime
SY8310HL-2X/3X-O 2X/3X Orange
SY8310HL-4X/5X-L 4X/5X Lime
SY8310HL-4X/5X-O 4X/5X Orange
SY8310HL-L/XL-L L/XL Lime
SY8310HL-L/XL-O L/XL Orange
SY8310HL-S/M-L S/M Lime
SY8310HL-S/M-O S/M Orange

#### Standard Vest



Size & Color
SY8325Z-2X/3X-L 2X/3X Lime
SY8325Z-2X/3X-O 2X/3X Orange
SY8325Z-4X/5X-L 4X/5X Lime
SY8325Z-4X/5X-O 4X/5X Orange
SY8325Z-L/XL-L L/XL Lime
SY8325Z-L/XL-O L/XL Orange
SY8325Z-S/M-L S/M Lime
SY8325Z-S/M-O S/M Orange

### CLASS 2 T-SHIRT



Size & Color
SY8289-2XL-L 2X-Large Lime
SY8289-2XL-O 2X-Large Orange
SY8289-3XL-L 3X-Large Lime
SY8289-3XL-O 3X-Large Orange
SY8289-L-O Large Orange
SY8289-L-L Large Lime
SY8289-XL-L X-Large Lime
SY8290-L-L Large Lime
SY8289-M-L Medium Lime
SY8289-M-O Medium Orange
SY8289-XL-O X-Large Orange
SY8290-2XL-L 2X-Large Lime
SY8290-2XL-O 2X-Large Orange
SY8290-3XL-L 3X-Large Lime
SY8290-3XL-O 3X-Large Orange
SY8290-L-O Large Orange
SY8290-M-L Medium Lime
SY8290-M-O Medium Orange
SY8290-XL-L X-Large Lime
SY8290-XL-O X-Large Orange

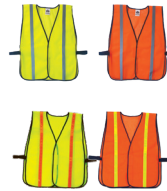
### CLASS 3 VESTS

#### Two-Tone Vest



Size & Color
SY8330Z-4X/5X-L 4X/5X Lime
SY8330Z-4X/5X-O 4X/5X Orange
SY8330Z-L/XL-L L/XL Lime
SY8330Z-L/XL-O L/XL Orange
SY8330Z-S/M-L S/M Lime
SY8330Z-S/M-O S/M Orange

#### Non-Certified Vest



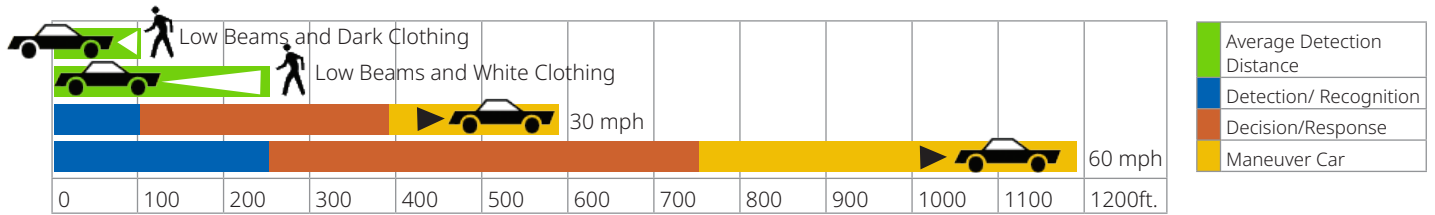
Size & Color
SY8020HL-L One size Lime
SY8020HL-O One size Orange
SY8040HL-L One size Lime
SY8040HL-O One size Orange

	GlowWear Hi-Vis shirts	GlowWear Hi-Vis vests	GlowWear pants 8910/8911
Your gear will be more effective and comfortable if you choose the right size.	T-shirt, polo shirt and sweatshirt are individually sized S, M, L, XL, 2XL, 3XL, 4XL, 5XL and follow standard sizing.	Vest & vests with sleeves are sold in combined sizes: S/M, L/XL, 2XL/3XL, and 4XL/5XL. <i>*Note: 8240HL is available in M/L and XL/2XL only.</i>	Should be no different than your normal waist size when you purchase a pair of pants.
Small	34-36" 86-91 cm		
Medium	36-39" 91-97 cm		
Large	38-42" 97-107 cm		
X-Large	42-46" 107-117 cm		
2X-Large	46-50" 117-127 cm		
3X-Large	50-54" 127-137 cm		
4X-Large	54-58" 137-147 cm		
5X-Large	58-62" 147-157 cm		
S/M		36-44" 91-112 cm	UP to 40" 102 cm
M/L 8240HL ONLY		40-48" 102-123 cm	
L/XL		44-52" 112-132 cm	40-46" 102-117 cm
XL/XL 8240HL ONLY		49-56" 123-142 cm	
2XL/3XL		52-58" 132-147 cm	46-52" 117-132 cm
4XL/5XL		58-64" 147-163 cm	52-58" 132-147 cm

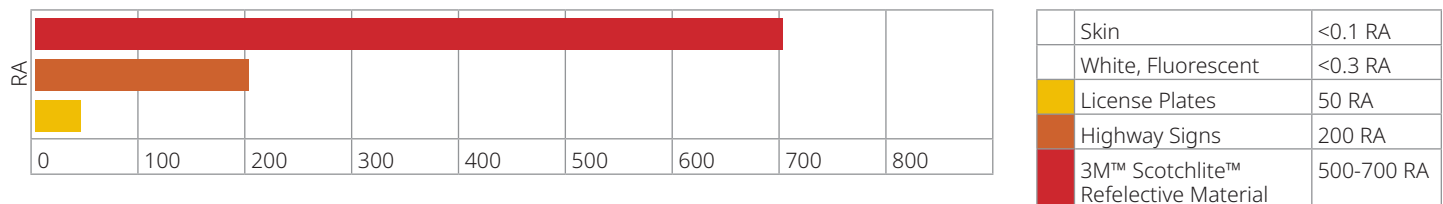


## HIGH VISIBILITY SAFETY GEAR

### TYPICAL REFLECTIVE MEASUREMENTS



Objects and people are difficult to see at night because of low light conditions and diffuse reflection. Diffuse reflection refers to light scattering after hitting an object instead of reflecting back at the source, which results in poor visibility. At night, drivers may not see objects or people, until it's too late. While Hi-Vis fluorescent colors are conspicuous during daylight, they are not visible at night. Retro reflective materials like glass bead and high gloss tape are designed to return most reflected light back to the source. That way, drivers can see workers from a greater distance and have more time to react. Here's a comparison of the reflectivity expressed in RAs, also known as the "coefficient or retroreflection," units of candelas per lux per square meter, or the amount of light given off by one candle in one square meter of space.



Sources: R.D. Blomberg, A. Hale, and D.F. Preusser, "Experimental Evaluation of Alternative Conspicuity-Enhancement Techniques for Pedestrians and Bicyclists," Journal of Safety Research, Volume 17, pp. 1-12, 1986. "Decision Sight Distance for Highway and Traffic Control Requirements," Report number FHWA-RD-78-78

### ANSI'S GENERAL THEORY OF CONSPICUITY

MUCH KNOWLEDGE IS CONTAINED IN A SIMPLE EQUATION:  $2 + E = 3$

You can obtain Class 3 compliance in one of two ways. The most obvious is to buy an ANSI 107 Class 3 compliant garment. The less obvious - but more popular route - is to wear a Class 2 garment (usually a vest) and pair it with Class E compliant bottoms.





## HIGH VISIBILITY SAFETY GEAR

### NON-CERTIFIED SWEATSHIRT



Size & Color
SY8397-2XL-L 2X-large Lime
SY8397-3XL-L 3X-large Lime
SY8397-L-L Large Lime
SY8397-M-L Medium Lime
SY8397-XL-L X-large Lime

### CLASS 3 PANTS - HI-GLOSS



Size & Color
SY8910HG-4X/5X-L 4X/5X Lime

### CLASS E PANTS



Size & Color
SY8910-2X/3X-L 2X/3X Lime
SY8910-2X/3X-O 2X/3X Orange
SY8910-4X/5X-L 4X/5X Lime
SY8910-4X/5X-O 4X/5X Orange
SY8910-L/XL-L L/XL Lime
SY8910-L/XL-O L/XL Orange
SY8910-S/M-L S/M Lime
SY8910-S/M-O S/M Orange

### HI-VIS PANTS



Size & Color
SY8910HG-L/XL-L L/XL Lime
SY8910HG-2X/3X-L 2X/3X Lime
SY8910HG-2X/3X-O 2X/3X Orange
SY8910HG-4X/5X-O 4X/5X Orange
SY8910HG-L/XL-O L/XL Orange
SY8910HG-S/M-L S/M Lime
SY8910HG-S/M-O S/M Orange

### NON-CERTIFIED BASEBALL CAPS



Size & Color
SY8930-L One size Lime
SY8930-O One size Orange

### NON-CERTIFIED RANGER HATS



Size & Color
SY8935-L/XL-L L/XL Lime
SY8935-L/XL-O L/XL Orange
SY8935-S/M-L S/M Lime
SY8935-S/M-O S/M Orange





## GLASSES & FACE SHIELDS

### PROTÉGÉ EXC®

Designed with proprietary Uvex Floating Lens technology, an expandable wrap-around brow, soft temple tip pads and nose piece, the Uvex Protégé provides workers with exceptional comfort and flexible style. The Uvex Protégé delivers sport-styling, lightweight comfort and flexible design weighing less than one ounce.

- Proprietary floating lens design offers increased flexibility and fit
- Ultra lightweight design at only 27.5 grams, weighs less than one ounce
- Secure wrap-around brow expands to fit a wide range of users
- Soft temple tip pads provide a secure fit
- Soft, clear nose pads prevent slipping
- Lifetime frame guarantee



Specifications: ANSI Z87+, ANSI Z.87.1/1989, CA 19,067, CSA Z94.3, Military V0

Recommended Industries/Use	Protection from various hazardous conditions:
<ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Construction</li> <li>• Food Services</li> <li>• Forestry</li> <li>• Manufacturing</li> <li>• Medical</li> </ul>	<ul style="list-style-type: none"> <li>• Municipal Services</li> <li>• Oil and Gas</li> <li>• Pharmaceutical</li> <li>• Steel and Metals</li> <li>• Transportation</li> <li>• Utilities</li> <li>• Abrasion</li> <li>• Airborne Particulates</li> <li>• Biohazard</li> <li>• Impact</li> <li>• Low Visibility</li> </ul>



**SYS4222XXC** Amber Uvextra AF

**SYS4222XC** Amber Hardcoat



**SYS4221XXC** SCT-blue Uvextra AF

**SYS4221XC** SCT-blue Hardcoat



**SYS4201XXC** Grey Uvextra AF

**SYS4201XC** Grey Hardcoat



**SYS4200XXC** Clear Uvextra AF

**SYS4200XC** Clear Hardcoat

### GENESIS®

- Built with MTT - Multi-Material Technology® and engineered for comfort and protection, the Genesis X2 delivers all-day comfort and performance infused with aggressive, sport-inspired styling
- Exceptional comfort, protection and style
- Dual 9-base wrap-around lens provides uncompromised peripheral vision and side protection
- Soft flexible fingers adjust and conform to almost any nasal profile to reduce slippage
- Soft elastomer brow guard diffuses and deflects impact
- Ratcheting temples allow customized lens inclination
- Lenses available in a variety of task specific lens tints with Ultra-dura®, U-vextreme® AF and Dura-streme™ lens coating options
- Easy and economical lens replacement system
- Made in U.S.A.

Specifications: ANSI Z87+ -, Meets ANSI Z87+, Military V0, ANSI Z.87.1/1989, CA 18, 819



**SYS3532X** Black U-vextreme® AF with grey lens



**SYS3512X** Silver U-vextreme® AF with grey lens



**SYS3520D** Black Dura-streme™ with clear lens

**SYS3520** Black Ultra-dura® with clear lens



**SYS3500X** Silver U-vextreme® AF with clear lens

**SYS3500** Silver Ultra-dura® with clear lens



## GLASSES & FACE SHIELDS

### SAFETY GLASSES

- Economical and stylish eye protection
- Sport temples with soft temple tip pads for comfortable fit
- Secure wrap-around design
- Polycarbonate, distortion-free, hard coat lenses
- Soft temple tip pads for a secure fit
- Available with scratch-resisstand hard coating or optional Fog-Ban® anti-fog coating

*Specifications: ANSI Z87+-, EC Category PPE: Category II, Standard EN166:2001 European Directives 89/686/EEC, Quality Assurance: ISO 9001/2000, Optical Class 1, F-Low energy impact*



**SYA705**

#### Description

A700 Fog-Ban® anti-fog with clear lens



**SYA704**

A700 Hardcoat I/O with silver lens



**SYA703**

A700 Hardcoat with blue mirror lens



**SYA702**

A700 Hardcoat with amber lens



**SYA701**

A700 Hardcoat TSR with grey lens



**SYA700**

A700 Hardcoat with clear lens

### A900 SERIES

*Specifications: ANSI Z87+, AS/NZS 1337*



**SYA904CSA**

#### Description

A900 Hardcoat with silver mirror lens



**SYA903CSA**

A900 Anti-fog TSR with grey lens



**SYA900CSA**

A900 Hardcoat with clear lens



## GLASSES & FACE SHIELDS

### A800 SERIES

- Affordably priced and economical for your business
- Sporty, 9-base wrap-around polycarbonate lens
- Non-slip rubber nose bridge
- Unique temples with soft, padded inserts down the length of the temple
- Extra "flex" built into the temple for increased tension control
- Available with scratch-resistant hard coating or optional Fog-Ban® anti-fog coating

*Specifications: ANSI Z87+-, EC Category PPE: Category II, Standard EN166:2001 European Directives 89/686/EEC, Quality Assurance: ISO 9001/2000, Optical Class 1, F-Low energy impact Specifications: ANSI Z87+, AS/NZS 1337*



**SYA806** A800 Fog-Ban® anti-fog TSR with grey lens



**SYA805** A800 Fog-Ban® anti-fog with clear lens



**SYA804** A800 Hardcoat I/O with silver mirror lens



**SYA802** A800 Hardcoat with amber lens



**SYA801** A800 Hardcoat SR with grey lens



**SYA800** A800 Hardcoat with clear lens

### ULTRA SPEC 2001®

- Lightweight over-the-glass unilens design fits over most Rx eyewear
- Adjustable Duoflex cushioned temples
- Made in U.S.A.

Protect your prescription glasses from hazards such as:

- Abrasion
- Airborn particulates
- Biohazard
- Impact

*Specifications: ANSI Z87+- Meets ANSI Z87+, ANSI z87.11989, CA 18,833, CSA Z94.3*



**SYS0113** Grey

### GOGGLES

#### Description



**SY1006-005** Chemical resistant

### GOGGLE GEAR™

- Clear shroud with head strap
- Clear lens
- Ultra lightweight - 1.8oz
- Meets ANSI Z87.1
- DX anti-fog hard coat

**SY9967**





GLASSES & FACE SHIELDS

STEALTH OTG DURA-STREME®

The highest levels of comfort, performance and sleek styling now combine with an over-the-glass prescription eyewear option. The Uvex Stealth family, one of the most popular goggles on the market, has expanded to include an OTG style. These goggles offer modern design, technology and materials paired with premier performance, comfort and adjustability features. Ideal for impact, dust and airborne particles, chemical splash, and optical radiation (UV and welding/heat radiation), the new expanded Uvex Stealth Family continues to make it easy to wear goggles on the job, no matter what the application.

- Ideal for impact, dust and airborne particles, chemical splash, and optical radiation (UV and welding/heat radiation)
- Available with Dura-streme dual coating technology which combines our two best lens coatings - Uvextreme anti-fog on the interior and Ultra-dura anti-scratch on the exterior - for 3x longer lens life\*
- Available in clear, amber, standard grey, shade 3.0 and 5.0 welding tints
- High quality elastomer body conforms and contours for a secure, customized gap-free fit
- Low-profile, wrap-around style provides complete coverage designed for all-day wear
- Fits comfortably over most prescription eyewear
- Pivoting headband clip and wide adjustable-slide headband provide a range of adjustability for all-day comfort and fits comfortably with hard hats
- Replacement lenses easily snap on to the front of the Uvex Stealth OTG body
- Economical replacement system allows for multiple lens tints and extends the life of the goggles
- Dura-streme coating provides longer lasting lenses
- Multiple models in a family offers standardization while offering workers choice



SYS3972D

Description  
Amber



SYS3970D

Clear

Recommended Industries/Use		Protection from various hazardous conditions:
• Chemical	• Welding	• Abrasion
• Construction	• Pharmaceutical	• Airborne Particulates
• Manufacturing	• Steel and Metals	• Biohazard
• Mining	•Transportation	• Impact
• Municipal Services	• Utilities	• Low Visibility
• Oil and Gas		• Chemical
		• Splash

Specifications: ANSI Z87+ - Meets ANSI Z87+, CSA Z94.3

FACE SHIELD

Description

SYPPGR1539 Chemical resistant





## SPILL KITS, FLOOR ABSORBENT, UNIVERSAL SOCKS, PERFORATED PADS & BONDED PADS

### OIL SPILL KITS

#### Description

SY1006-002



- 15 (oil only) absorbent pads
- 2 (oil only) 4' socks
- Containment bag with tie wrap construction

### OIL-DRI® PREMIUM FLOOR ABSORBENT

#### Description

SY19040-L84



- Quickly and easily soaks up messy spills
- Provides more absorption for the money
- Easy to use and transport
- Cleans up spills that can cause accidents
- 15% more absorbent per pound than clay alternatives

### OIL-DRI® 5 GALLON SPILL KITS

Convenient, quick-response spill kit has all of the tools you need for emergency cleanup! The self-contained kit includes universal pads and socks to absorb all types of fluids, including oil, grease, coolants and water.

All items come packed in a compact reusable pail for convenient self-contained storage.



#### Description

SY90435

- 5gal MRO spill kit
- 2 general socks
  - 10 universal perforated pads
  - 1 disposable bag with tie
  - Convenient storage/disposal container

SY91435

- 5gal Hazmat spill kit
- 2 yellow hazmat socks (3" x 48")
  - 10 grey universal (HW) boned pads
  - 1 disposal bag with tie
  - Convenient storage/disposal container

### OIL-DRI® UNIVERSAL SOCKS

#### Description

SY90890



- Sock skin filled with recycled cellulose.
- 3" x 48"
  - Box of 40

### OIL-DRI® UNIVERSAL BONDED PADS

#### Description

SY90902



- Extra durable, strong bonded layers allow fluid to spread through the material quicker for your best absorption rate
- 16" x 20"
  - 100 per box

### UNIVERSAL PERFORATED PADS

#### Description

SY90540

30" x 150"





## QUICK RESPONSE ACID SPILL KIT

### SY1006-001

- Consistent and safe method of handling hazardous spills
- Contains, absorbs and neutralizes acid spills
- A convenient, cost-effective method of complying with OSHA regulations 1910.178(G): Facilities must have means to neutralize spilled acid
- Fast, easy to use, and landfill disposable

### All in a convenient 5gallon resealable container

- 2 gallons ACID EATER™ Neutralizer and Absorber
- 2 pairs hazmat boot covers
- 8oz ACID EATER™ Neutralizer and Degreaser
- 1 dustpan and whisk broom
- 2 pairs chemical resistant goggles
- 20' of barrier tape
- 2 acid resistant aprons
- 2 disposal spill bags with ties
- 2 pairs of PVC gloves
- Material safety data sheet



Refills	Description	Size
SY1006-001A	ACID EATER™ Absorber & Neutralizer	2gal
SY1006-003	Acid resistant PVC apron	1
SY1006-004	Hazmat boot covers	1 pair
SY1006-005	Chemical resistant goggles	1
SY1006-006	Acid resistant gloves	1 pair
SY1006-007	ACID EATER™ Neutralizer and Degreaser	8oz bottle
SY1003-003	ACID EATER™ Neutralizer and Degreaser	16oz spray
SY1004-004	ACID EATER™ Neutralizer and Degreaser	1gal bottle
SY1001-004	ACID EATER™ Absorber & Neutralizer	5gal pail
SY1002-007	ACID EATER™ Absorber & Neutralizer	55gal drum

## FIRE EXTINGUISHER

### Description

### SY250RFC-MB



- Ammonium phosphate
- Metal bracket and nozzle
- A, B and C
- UL rating 1a-10b:c
- Capacity 2½lbs 1.125kg
- Rechargeable
- 14½"H x 6"W x 3"dia 368mm x 152mm x 76mm
- Must ship ground

## WORLD DECAL KIT

### Description

### SY1711

- For use on all industrial lift trucks
- Meets OSHA requirements
- Individual decals also sold separately



## WARNING TRIANGLES

### Description

### SY59289HDOT



- Three triangles in corrosion-proof box
- Fluorescent orange
- Non-skid base withstands up to 40 MPH winds
- Requires no set-up tools
- No power source needed
- DOT certification

## COVERALLS

- Anti-static
- Cloth-like fiber
- Full zipper front and elastic wrists



Description	
SY1223140	Large
SY1223141	X-Large
SY1223142	2X-Large

## ROAD FLARES

### Description

- 9 flash patterns
- Magnetic
- Water-resistant
- Kit includes:
  - Case
  - 6 LED road flares
  - Universal charger
- Flare dimensions: 1.34"H x 4.19"Dia



### SYLEDRF-A-KIT

Road flare kit

### SYLEDRF-A

Flare with charger





# PAINT











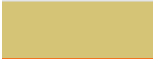












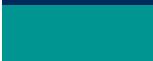

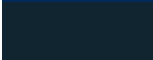
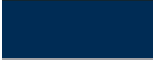
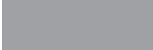
- 12oz environmentally safe cans
- Professional gloss, enamel, flat or lead-free paint
- Exact OEM match
- All paint is ground shipped
- Gallons available on select colors






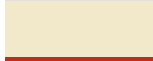

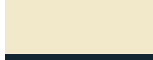














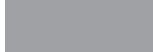
Color	Spray Paint	Gallon
<b>Advance</b>		
	Gray	SY59435
<b>American Lincoln</b>		
	Gray	SY59433
<b>Baker</b>		
	Orange	SY59328 SY59328-GAL
<b>Barrett</b>		
	Charcoal	SY59329 SY59329-GAL
	Light gray	SY59330 SY59330-GAL
<b>Bobcat</b>		
	Charcoal	SY1239081
	Blue	SY1248644
<b>Clark</b>		
	Equipment green	SY41027 SY41027-GAL
	Yellow green	SY41029 SY41036
	Hot yellow green	SY41037
	White	SY59331 SY59331-GAL
	Hot yellow green	SY59332 SY59332-GAL
	Matte black	SY59334 SY59333
	Gray primer	SY59335 SY59335-GAL
	Safety yellow II	SY59336 SY59336-GAL
<b>Crown</b>		
	Beige	SY43308 SY43308-GAL
	Crown beige	SYBEIGE
	Dark gray	SY43309 SY43309-GAL
	Bright beige	SY59337 SY59337-GAL
	Gray	SY59338 SY59338-GAL

Color	Spray Paint	Gallon
<b>Caterpillar</b>		
	Medium gray	SY59339 SY59339-GAL
	Yellow	SY59340 SY59340-GAL
	Yellow	SY71113 SY71113-GAL
<b>Combilift</b>		
	Grey	SY1261499
<b>Cushman</b>		
	Police blue	SY88947
	Medium gray	SY109589
<b>Daewoo</b>		
	Daewoo honey yellow	SY59341 SY59341-GAL
	Yellow	SY59342 SY59342-GAL
<b>E-Z-Go</b>		
	Fleet yellow	SY109586
	Champagne beige	SY59436
	Black	SY109585
<b>Genie</b>		
	Gray	SY59343 SY59343-GAL
	Bright blue	SY59344 SY59344-GAL
<b>Haulotte</b>		
	Signal Yellow	SY1239024

\*Colors indicated in print are representative of OEM Color Match spray paint.















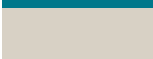





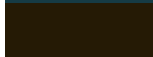





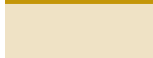
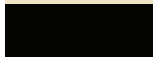


	Color	Spray Paint	Gallon
<b>Hyster</b>			
	Nugget yellow	SY23065	SY24221
	Yellow	SY23143	SY23143-GAL
	Hi gloss black	SY23144	
	White	SY23222	SY23222-GAL
	Red	SY23275	SY23275-GAL
	Lead free yellow	SY23276	
	Flat black	SY23285	SY23285-GAL
	Low gloss black	SY24223	SY24217
<b>JLG</b>			
	Cream	SY59419	SY59419-GAL
	Orange	SY1239070	
	Orange	SY59420	SY59420-GAL
	Grey	SY59431	SY59421
	Orange		SY59422
	Black	SY59423	
<b>John Deere</b>			
	Classic green	SY1261079	
	Green	SY1261080	
	Yellow	SY1261076	
<b>Komatsu</b>			
	Yellow	SY59345	SY59345-GAL
	Yellow	SY59346	SY59346-GAL
	Natural yellow	SY1239022	SY1239022-GAL
	Blue/purple	SY59347	SY59347-GAL
	Green/blue	SY59348	SY59348-GAL
	New blue	SY59349	
	Black gray	SY59350	SY59350-GAL
	Blue	SY59351	SY59351-GAL
	Komatsu Z gray	SY59352	

	Color	Spray Paint	Gallon
<b>Kubota</b>			
	Black	SY1248640	
<b>MEC</b>			
	Red	SY59429	SY59429-GAL
<b>Mitsubishi</b>			
	Lime green	SY59353	SY59353-GAL
	Dark gray black	SY59354	SY59354-GAL
	Jewel green	SY59355	SY59356
<b>Nissan</b>			
	Off white	SY59357	SY59357-GAL
	Burnt orange	SY59358	SY59359
	New white	SY59361	SY59361-GAL
	New gray	SY59362	SY59362-GAL
	Gray	SY59364	SY59364-GAL
	White	SY59365	SY59365-GAL
	Off white	SY59366	SY59366-GAL
	Metal silver	SY87003	SY87003-GAL
	Black	SY59363	SY59363-GAL
<b>Powerboss</b>			
	Light gray	SY109587	
	Maroon	SY109588	
<b>Raymond</b>			
	Black/dark gray	SY59367	SY59367-GAL
	Black	SY1256772	SY1256772-GAL
	93 High gloss red	SY1237899	
	Red orange 93	SY59368	SY59369
<b>Skyjack</b>			
	Florida orange	SY59424	SY59424-GAL
	Dark gray	SY1239072	SY1239072-GAL
	Mist gray	SY59425	SY59425-GAL

\*Colors indicated in print are representative of OEM Color Match spray paint.



	Color	Spray Paint	Gallon
<b>Snorkel</b>			
	Orange old	SY59427	
	Orange new	SY59428	
<b>Taylor-Dunn</b>			
	Beige	SY77556	
	Orange	SY77558	
	Yellow	SY77557	
	Blue	SY59438	
	Blue	SY1239076	
	Orange	SY59439	SY59439-GAL
	Traffic yellow	SY109698	
<b>TCM</b>			
	Gold	SY59370	SY59370-GAL
	Yellow	SY59371	SY59371-GAL
	Gloss black	SY59372	SY59372-GAL
	TCM gray	SY59373	SY59373-GAL
<b>Tennant</b>			
	Airdry teal blue	SY59374	SY59374-GAL
	Off white	SY109644	

	Color	Spray Paint	Gallon
<b>Toyota</b>			
	Gray	SY59379	SY59379-GAL
	New orange	SY82299	SY82299-GAL
	Forklift blue	SY59377	SY59377-GAL
	Black	SY59378	SY59378-GAL
	Primer - aerosol	SY59380	
	Orange	SY82455	SY82455-GAL
<b>Unicarrier</b>			
	New gray	SY33375	SY33375-GAL
<b>Upright</b>			
	Blue	SY59426	
<b>Yale</b>			
	Gold	SY23408	SY23408-GAL
	Parchment	SY23409	
	Satin black	SY23431	SY23431-GAL
	Bright parchment	SY23432	SY23432-GAL
	Bright gold	SY23433	SY28501

\*Colors indicated in print are representative of OEM Color Match spray paint.



# TOOLS & ACCESSORIES

## FORKLIFT STANDS & FORKLIFT JACKS

### FORKLIFT STANDS

- 4 position height adjustment
- Sold in pairs
- Made in the U.S.A.

SY400



### Specifications

Capacity	30,870lbs 13.9mt (pair)
Pad dimensions	2.5" x 3.5" 63mm x 89mm
Starting pad height	9.5" 241mm
Raised pad height	16" 406mm
Height increments	2" 50mm
Weight (pair)	31lbs 14kg
Base	8"sq 203mm

### Replacement Parts

GR2-838-02003	Replacement pin
---------------	-----------------

### FORKLIFT JACK

- Air/hydraulic design allows jack to rise quickly
- Hold-to-run™ release knob provides a slower descent rate with precise operator control
- Two-position handle for easy portability
- Made in the U.S.A.
- Low clearance design slips under the lowest fork trucks
- Scissors action design adjusts to load plane as jack is raised and lowered

SY8000A



### Specifications

Capacity	8,000lbs 3.6mt (pair)
Starting height (lift arm notch)	2.25" 57mm
Starting height (serrated lift pad)	2.5" 64mm
Maximum lift height	16" 406mm
Power	Air/hydraulic
Air pressure required	110 PSI
Reach (raised position)	7" 178mm
Width	8" 203mm
Shipping weight	71lbs 32kg

### FORKLIFT JACK (NEW STYLE)

- Meets CE requirements
- 2 year limited warranty
- Made in the U.S.A.

SY8000



### Specifications

Capacity	8,000lbs 3.6mt (pair)
Starting pad height (notch)	2.25" 57mm
Starting pad height (serrated pad)	2.5" 64mm
Maximum lift height	16" 406mm
Reach (raised position)	7" 178mm
Width	8" 203mm
Shipping weight	68lbs 30.6kg

### FORKLIFT JACK

- Meets CE requirements
- Made in the U.S.A.

SY15000



### Specifications

Capacity	15,435lbs 7mt
Power	Two-speed hydraulic
Min. starting height	2.25" 57mm
Max. lifting height	16" 406mm
Forward reach	7" 178mm
Width	9" 228mm
Shipping weight	92lbs 42kg



## FORKLIFT STANDS & FORKLIFT JACKS

### JACKS STANDS

- Sold in pairs

SY400-E



#### Specifications

Capacity (pair)	36,000lbs 16,330kgs
Adjusting range	9.5"-16" 242mm-407mm

### TRUCK JACK

- Meets CE requirements

SY8000-E



#### Specifications

Maximum lifting capacity	8,800lbs 4,000kgs
Maximum truck capacity	13,200lbs 6,000kgs
Reach (raised position)	7" 178mm
Starting pad height (notch)	2.5" 64mm
Raised height (max)	16" 406mm
Width	7 1/5" 200mm
Weight	77lbs 33kgs

### TRUCK JACK

- Meets CE requirements

SY15000-E



#### Specifications

Maximum lifting capacity	15,400lbs 7,000kgs
Maximum truck capacity	23,200lbs 10,500kgs
Reach (raised position)	7" 178mm
Starting pad height (notch)	2 9/16" 65mm
Raised height (max)	16 1/3" 415mm
Width	10" 250mm
Weight	107.8lbs 49kgs

### SAFE BLOCKS

SYSAFE-BLOC



#### Description

- 10 blocs per set
- 2 base
- 2 top
- 6 interconnecting

### FORKLIFT LIFT

SYGRWPLS-135

- Patented wireless portable lift system



#### Specifications





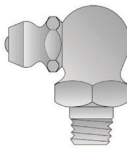






Capacity lbs	Fleet 13,500lb commercial 18,500lb military
Average Work Height	81"
Raised Height mm	24,689mm
Charging Voltage	110V
Power	24V
Weight (pair) lbs	2,950lb
Base	45" x 65" x 97"



# TOOLS & ACCESSORIES

## HARDWARE KITS

- Popular universal sizes conveniently packaged under one part number
- Manufactured to SAE specifications

WOODRUFF KEY KIT		Description
• 65 pieces	SY9915	(16) 1/8" x 1/2"
• 6 sizes		(15) 1/8" x 5/8"
		(15) 3/32" x 5/8"
		(10) 3/16" x 3/4"
		(5) 1/4" x 7/8"
		(4) 1/4" x 1"
SPRING LOCK PIN KIT		Description
• 170 pieces	SY9917	(50) 1/8" x 1"
• 6 sizes		(35) 3/16" x 1"
		(30) 1/8" x 1 1/2"
		(25) 3/16" x 1 1/2"
		(15) 1/4" x 1 1/4"
		(15) 1/4" x 1 1/2"
COTTER PIN KIT		Description
• 555 pieces	SY9916	(150) 1/16" x 1"
• 6 sizes		(150) 3/32" x 1"
		(75) 1/8" x 1 1/2"
		(100) 1/8" x 1 1/2"
		(50) 5/32" x 1 1/2"
		(30) 3/16" x 2"
INTERNAL RETAINING RING KIT		Description
• 55 pieces	SY9920	(10) HO-25 (7) HO-50
• 8 sizes		(10) HO-31 (5) HO-62
		(10) HO-37 (3) HO-75
		(7) HO-43 (3) HO-100
GREASE FITTING KIT		Description
• 32 pieces	SY9919	(6) 1/8" - NPT - straight
• 6 sizes		(6) 1/4" - 28 - straight
		(4) 3/16" - drive - straight
		(3) 1/8" - NPT - 45
		(3) 1/8" - NPT - 90
		(3) 1/4" - 28 - 45
		(3) 1/4" - 28 - 90
		(4) 5/16" - drive - straight
EXTERNAL RETAINER KIT		Description
• 46 pieces	SY9921-200	(5) 100 (5) 200
• 10 sizes		(5) 125 (5) 225
		(5) 137 (5) 250
		(5) 150 (3) 275
		(5) 175 (3) 300
INTERNAL RETAINER KIT		Description
• 134 pieces	SY9920-200	(10) 300-075 (10) 300-137 (5) 300-225 (5) 300-400
• 18 sizes		(10) 300-087 (10) 300-150 (5) 300-250 (2) 300-450
		(10) 300-100 (10) 300-162 (5) 300-275 (2) 300-500
		(10) 300-112 (10) 300-175 (5) 300-300
		(10) 300-125 (10) 300-200 (5) 300-350
TRU-ARC RETAINER KIT		Description
• 134 pieces	SY9920-300	(12) 310-050 (12) 310-112 (12) 300-062 (12) 300-125
• 18 sizes		(12) 310-062 (12) 310-125 (12) 300-075 (12) 300-137
		(12) 310-075 (12) 310-137 (12) 300-087 (12) 300-150
		(12) 310-087 (12) 310-150 (12) 300-100
		(12) 310-100 (12) 300-050 (12) 300-112
EATON RETAINER KIT		Description
• 216 pieces	SY9920-300	(12) NAN/XAN-050
• 18 sizes		(12) NAN/XAN-062
• 9 internal		(12) NAN/XAN-075
• 9 external		(12) NAN/XAN-087
		(12) NAN/XAN-100
		(12) NAN/XAN-112
		(12) NAN/XAN-125
		(12) NAN/XAN-137
		(12) NAN/XAN-150
SPIRAL RETAINER KIT		Description
• 216 pieces	SY9921-400	(12) WHM/WSM-050
• 18 sizes		(12) WHM/WSM-087
• 9 internal		(12) WHM/WSM-125
• 9 external		(12) WHM/WSM-062
		(12) WHM/WSM-100
		(12) WHM/WSM-137
		(12) WHM/WSM-075
		(12) WHM/WSM-112
		(12) WHM/WSM-150
E-CLIP KIT		Description
• 120 pieces	SY9922	(30) 1/16"
• 8 sizes		(30) 1/8"
		(15) 3/16"
		(15) 1/4"
		(10) 3/8"
		(10) 1/2"
		(5) 5/8"
		(5) 3/4"



## O-RING KITS

	Description	Sizes	Pieces
--	-------------	-------	--------

SY9970-100

70 durometer

36

436



SY9970-200

Face seal kit

8

155



SY9970-300

Flat face

8

64



SY9970-400

SAE flange seal

6

48



SY9970-500

Boss and tube seals

4

32



SY9970-600

Boss and tube seals

9

72



SY9970-700

Flange kit

7

70



SY9970-800

Max O-ring kit

81

275



	Description	Sizes	Pieces
--	-------------	-------	--------

SY9970-900

90 durometer O-ring

12

220



SY9970-1000

90 durometer O-ring

36

436



SY9970-1100

O-ring splice kit

4

35



SY9970-1200

Buna-N back up ring kit

36

269



SY9970-1300

PTFE back up ring kit

36

269



SY9970-1400

90 durometer O-ring  
warehouse kit

146

1140



SY9971

Metric O-ring kit

36

380



SY9971-200

Metric/inch splice kit

14

98





# TOOLS & ACCESSORIES

## CLAMPS, TABLE TOP VICE & STANLEY STORAGE CABINETS

### HOSE CLAMPS

- ½" (12.7mm) stainless steel band
- ⅝" (7.9mm) hex head carbon steel screw
- One piece stainless steel housing



### Minimum to Maximum Diameter

<b>SY4204</b>	¼" to ⅝" 16mm to 19mm
<b>SY4206</b>	⅜" to ⅞" 10mm to 22mm
<b>SY4208</b>	⅞" to 1" 11mm to 25mm
<b>SY4210</b>	½" to 1⅛" 14mm to 18mm
<b>SY4212</b>	½" to 1¼" 14mm to 32mm
<b>SY4216</b>	1⅛" to 1½" 18mm to 38mm
<b>SY4220</b>	¾" to 1¾" 19mm to 45mm

### Minimum to Maximum Diameter

<b>SY4224</b>	1" to 2" 18mm to 51mm
<b>SY4228</b>	1¼" to 2¼" 24mm to 57mm
<b>SY4232</b>	1½" to 2½" 40mm to 64mm
<b>SY4236</b>	1¾" to 2¾" 46mm to 70mm
<b>SY4240</b>	2" to 3" 52mm to 76mm
<b>SY4244</b>	2¼" to 3¼" 59mm to 83mm
<b>SY4252</b>	2¾" to 3¾" 71mm to 95mm

### EXHAUST CLAMPS

- Zinc finish
- ⅝" (7.9mm) U-bolt
- 13G double edge saddle



### Size

<b>SY4284</b>	1⅜" 35mm
<b>SY4285</b>	1½" 38mm
<b>SY4286</b>	1⅝" 41mm
<b>SY4287</b>	1¾" 45mm
<b>SY4288</b>	1⅞" 48mm
<b>SY4289</b>	2" 51mm
<b>SY4291</b>	2¼" 57mm
<b>SY4293</b>	2½" 64mm

### BUCKET

**SY74018**



- 5gal bucket
- Incompliant plastic shipping pail
- 14⅞" top O.D.
- 15⅜" height

### TABLE-TOP VICE

**SY59301**



### STANLEY-STORAGE CABINETS

**SYT2000**



### VAN STORAGE

TVH now offers quality Stanley-Storage cabinets. These cabinets offer double the storage capacity compared to regular shelving, and cut retrieval time in half.

Designed with the modularity and flexibility of building blocks, these storage drawer cabinet grow as your needs expand. You can change them around into as many configurations as you'd like, and they're guaranteed against failure.

Choose from one of our standard cabinet drawer configurations or call with your requirements for special designs to accommodate all your expanding and changing storage needs.

## CHAIN WEAR GAUGE & FORK CALIPER

### CHAIN WEAR GAUGE

**SYCH1**

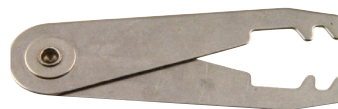
For visual inspection of chain elongation



### FORK CALIPER

**SY41800**

An adjustable gauge which will clearly indicate when the fork does not comply with standards










## FUNNELS, SPOUTS & NOZZLES


	Description		Description		Description		Description
SYBZ05007	Small	SYBZ05034	Super	SYBZ05090	Specialty	SYBZ22400	Swivel
							
SYBZ05015	Medium	SYBZ11881	Flex	SYBZ06064	Transmission	<b>FAST FUNNELS</b>	Description
						SY74001	Professional
SYBZ05064	Large	SYBZ12020	1 1/4" metal screw on	SYBZ12040	3/4" metal screw on		
						SY74002	Extended
							

## OIL PANS







Description	
SYBZ05070	7½qt 7.13L Round
	
SYBZ05075	7½qt 7.13L Triangle
	

Description	
SYBZ11845	5gal 19L Yellow
	
SYBZ11837	10qt 9.50L
	

Description	
SYBZ11838	15qt 14.25L
	
SY105TA2777	15.85qt 15L Rounded edge and 3 handgrips Inlet and outlet can be shut off
	

Description	
SY105TA2778	52.85qt 50L
	

## GAS CANS & CARRIERS

Description	
SYBZ11412	Metal carrier
	
Description	
SYBZ31710	5gal 19L Metal
	
Description	
SYBZ31754	5gal 19L Diesel
	
Description	
SYBZ21505	1gal 3.80L
	
Description	
SYBZ31733	5gal 19L
	
Description	
SYBZ21510	2gal 7.60L
	



# TOOLS & ACCESSORIES

## TENSIONING & CUTOFF TOOLS

### Description

- The MK9 has the same design features as the MK7 series tools. The MK9 accommodates a wider variety of sizes
- Comes standard with non-slip grip handles
- Patent pending, Mil. Spec. MS90387

**SYM9**



- With the same design features as the MK7, this tool offers an increased tension range
- Also comes standard with non-slip grip handles
- U.S. Patent 4,997,011, DES. 306,39

**SYM7HT**



### Description

- The MK9HT has the same design features as the MK9, and offers an increased tension range
- Also comes standard with non-slip grip handles
- Patent pending

**SYM9HT**



- TytonTwister: Lightweight and economical twist tool
- Offers speed and efficiency. Fits into a pocket

**SYTWT1**



## CUTTING & STRIPPING TOOLS

### HEAVY DUTY QUICKCUTTER 2



**SY4285-001**

Heavy duty cutter

**SY4285-001M**

Heavy duty cutter, bench mount

### CUTTER



**SY1014**

- 17" 432mm
- Durable heavy duty construction
- Utilizes maximum leverage efficiently to cut up to 4/0

### CUTTER



**SY1015**

- 9" 229mm
- Cuts cable up to 2/0
- Fits any tool box
- Ergonomic insulated grips





## CRIMPING TOOLS

### HEAVY DUTY CRIMPING TOOLS

The compression crimp gives equal pressure all around the terminal and produces a homogenous mass of copper on any lug, connector or battery terminal.

- Crimps battery terminals, splices and heavy-duty lugs from 8G through 250mcm
- Features a compression triangular crimp
- Dieless, no rotating dies, two finger cable size adjustment
- Bench tool has angle iron mounting brackets, good visibility of crimp location and requires less force



**SY282** Crimping tool

**SY286** Bench crimping tool



### CRIMPER

- Clearly marked die setting instructions
- Recommended for use on battery connectors
- Eight position die setting
- Simple operation
- No disassembly required to change die setting
- Crimps from 6G to 4/0 cable

**SY283**



### CUB™ CRIMPER

- Repair kit includes:
- (2) Hex dies 8 thru 1/0 gauge
  - (2) Pins with springs
  - (2) L brackets
  - (2) Nuts

**SY4245-001** Crimping tool

**SY4245-001K** Cub repair kit



### COMPOUND ACTION CRIMPER

- Compound action controlled tool
- Elliptical shaped nest for crimping insulated terminals
- Wire range 22: 10AWG
- Weight: 12.40oz
- Length: 9 1/8"

**SY293**



### CRIMPER

- Easily cuts, strips and crimps up to 10 gauge wire

**SY9968**



### PROFESSIONAL CRIMPING TOOLS

- Compound action exerts maximum force for fast, reliable crimps every time. One screw adjustment allows easy calibration to compensate for die wear. Diamond shape crimp compresses form a solid mass copper, assuring a low resistance connection
- Controlled cycle (ratchet) mechanism is a quality control device - once a crimp is started, the tool will not open until the crimp is completed. Quick release lever allows tool to open any time



### Description

**SY94284** Crimp tool for battery terminals, lugs, and connectors, 25" (635mm) 5.90lbs (2.70kg). Cable sizes: 6gauge thru 250mcm

**SY94284-BM** Bench mount version of 94284 crimping tool, 20" (508mm) 7.80lbs (3.50kg)

**SY94285** Same as 94284, with controlled cycle, 25" (635mm) 6.20lbs (2.80kg) mechanism to assure full closure of tool

**SY94286** Controlled cycle mechanism only (to retrofit 94284), 2" (50.80mm) 6oz (168g)

### CRIMPER

- Adjustable rotating dies, always in tool
- 26" overall length
- Comfortable hand grips
- Application data
- Convenient release lever
- 8AWG to 4/0

**SY284**



### POWER CRIMP

- Designed to provide additional mechanical advantage and minimize user fatigue where high crimp loads are essential
- All crimp cavities are fully machined and manufactured to industry specifications
- All tool components are manufactured from high carbon steel and heat treated for extended life
- Tool is supplied as standard in toggle action which assures a complete crimp
- A ratchet controlled full cycle tool is available
- Crimps conductor portion of insulated and non-insulated terminals
- Crimps 8AWG through 2AWG in four cavities
- Cavities are identified by wire sizes and product type

**SY291**



Part # Hex	Part # Diamond	Part # Hex Jr.	Description
SY4255-001R	SY4252-001R	SY4247-001R	Hand-held with ratchet
SY4255-001M	SY4252-001M		Bench-mount
SY4255-001MR	SY4252-001MR		Bench-mount with ratchet



# TOOLS & ACCESSORIES

## CRIMPING TOOLS

### HYDRAULIC CRIMPER TOOLS

- Universal hand-held dieless crimping tool
- Crimps insulated and non-insulated terminals in wire sizes 8AWG through 4/0
- Handles are insulated to reduce shock hazard



SY294

### COMFORT CRIMP™

- Installs nylon and vinyl insulated terminals, disconnects, and splices from 22 to 10AWG
- For easy visual verification of crimps, integrity dots are embossed on the top and bottom of the terminal
- Color-coded die nests on both right and left sides of the tool are included for insulated terminals
- Toggle action increase mechanical gain, which dramatically reduces handle force, and the stress on your hands
- Shure-Stake® mechanism helps to ensure a complete crimp cycle before it releases the tool
- Advanced ergonomic handle design distributes the force more evenly across the hand
- Rubberized thermoplastic handle combines maximum friction with a soft, comfortable feel that reduces muscle tension

SY289



### BATTERY CABLE CRIMPER

SY50105



- This battery cable crimping tool crimps all types of battery cables. Crimps #8: 4/0AWG lugs
- Fits easily in your tool box making it a great field tool. Has indicator pin to indicate proper crimp depth

### COMPACT CRIMPER

SY94840



- Hammer type crimping tool
- V-shaped nest accommodates battery terminal sizes 6 through 4/0
- Length 3¾" 95mm
- Weight 1.50lbs .70kg

### SELECT-A-KRIMP

SYSKT-840



- Small, compact, easy-to-use
- Excellent performance for the lowest cost
- Crimps non-insulated wire 6 through 4/0 AWG
- For lower volume production and regular maintenance use

## BATTERY TOOLS

### Description

SYHYDROMETER

- Plastic reservoir
- Specific gravity reading from 1.10 to 1.30



SY120152-010

Commercial hydrometer



SY120151-010

Pointer hydrometer



### Description

SYLCS860

- Angle nose pliers
- Engineered specifically for battery care and maintenance
- Forged steel construction
- Insulated handles



SYL858C

- Terminal spreader
- Engineered specifically for battery terminal spreading
- Forged steel construction
- Insulated handles



SYTL3125

- Terminal spreader
- Sharp milled teeth for effective cleaning
- Die-cast construction with vinyl grips



### Description

SY120161-010

Battery filler



SY120162-010

- Bulb type battery filler
- 2 quart jug




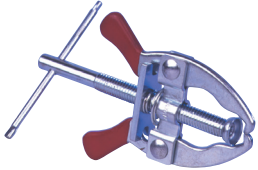









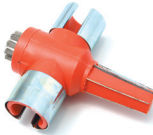

SY120121-010

- Battery post terminal brush
- Corrosion resistant self-contained brush set





## BATTERY TOOLS

Description	Description	Description
<b>SYTLA337</b>  Metal battery brush • Cleans battery terminals and posts • Internal and external wire brushes are built into metal case	<b>SY120191-010</b>  Battery terminal lifter	<b>SY120195-010</b>  5/16" Side terminal ratchet wrench
<b>SY120153-010</b>  Scissors battery barrier	<b>SYTLA338</b>  Side terminal battery brush • Easily cleans terminals on side terminal batteries. • One side designed to clean recessed terminals, other side cleans cable bolts and connectors • Comfortable plastic handle has built-in hex hole	<b>SYTL3147</b>  Extra long 5/16" battery wrench
<b>SY120154-010</b>  Side lift battery carrier with pads	<b>SYTL3115</b>  Battery brush	<b>SYTL3149</b>  10mm side terminal ratchet wrench
<b>SY120155-010</b>  Strap battery carrier	<b>SY9942-000</b>  Battery post drill bit for leadheads	
<b>SYTL3120</b>  4-way battery tool • Handiest battery service tool available, this will remove corrosion from battery clamps and posts. • One end is marked for positive posts, one end for negative posts, one for clamps, and brush on top for cleaning battery terminals.	<b>SY1016</b>  Connector tip extraction tool	










# TOOLS & ACCESSORIES

## FLASHLIGHTS

### MAGLITE®



- High strength, corrosion resistant, thick-walled aircraft aluminum construction
- Patented cam action design
- Krypton bulb 300% brighter than ordinary bulbs
- Sealed, self-cleaning push button switch
- O-ring sealed for maximum water resistance
- Spot to flood beam with simple twist of the head
- Batteries not included

C-CELL MAGLITE®		Battery	Length	Bulb #
	SY9909	3C	10.50" 267mm	SY9909-B
	SY9910	2C	8.20" 216mm	SY9910-B

D-CELL MAGLITE®		Battery	Length	Bulb #
	SY9905	2D	10.00" 254mm	SY9905-B
	SY9904	3D	12.50" 318mm	SY9904-B
	SY9903	4D	14.75" 375mm	SY9903-B
	SY9902	5D	17.00" 432mm	SY9902-B
	SY9901	6D	19.50" 495mm	SY9901-B

### MINI MAGLITE®

- Same rugged construction as large MagLite®
- Weighs less than 4oz
- Hand-sized flashlight with polycarbonate lens, shatterproof reflectors, hi-intensity bulbs and spare bulb in tail cap
- Batteries included
- Replacement bulb, part #SY9900-B

	Battery	Description
	SY9900 AA (2)	Blue mini MagLite® (with TotalSource® Logo)
	SY9925 AA (2)	Black mini MagLite® in presentation box

### MAGLITE® RECHARGABLE SYSTEM (5 cell battery stick)

- Activity-based function settings
- LED heat-sink technology
- 500yd beam throw (458m)
- 1082 lumens output with 3.5hr runtime
- 2.5hr recharge time
- 79hr runtime in eco-mode
- Lithium iron phosphate battery

#### SY9913



#### Replacement Parts

SY9927 Battery pack



## FUSE KITS, TROUBLE LIGHTS & EXTENSION CORDS

### FUSE KIT



SY59277

#### Description

- 120 pieces
- Blade style
- 20 pieces each, 5-30A

### GLASS FUSE KIT AGC



SYBU-GSK-260

#### Description

- 120 pieces

### TROUBLE LIGHTS

- 13A 125V
- 16G, 3 conductor, UL listed
- Meets OSHA requirements for general use
- Stays flexible to -58°F, withstands heat to +221°F
- Features a metal guard, switch and side outlet



#### Description

- SY74013 25' 7.60m cord
- SY74014 50' 15.20m cord

### EXTENSION CORDS

- 13A 125V
- 16G, 3 conductor, UL listed
- Meets OSHA requirements for indoor and outdoor use
- Stays flexible down to -58°F, withstands heat to +221°F



#### Description

- SY9953 25' 7.60m
- SY9954 50' 15.20m

## WHEEL CHOCKS, MECHANIC'S MAT & C-FRAME CREEPER

### WHEEL CHOCKS

SYBZ11931



SYBZ11933



### MECHANIC'S MAT

SY74019



### C-FRAME CREEPER SEAT

SY59275



- Heavy duty tubular steel frame
- Fully padded seat cushion
- 2½" swivel casters, allows 360° movement
- 11½" x 12½" tool tray



# TOOLS & ACCESSORIES

## HANDHELD VICE

SY74016



## STRESS CRACK DETECTION KIT

SY41950



- 3 part, non-destructive test accurately shows cracks in the bend and weld areas of forks.
- Kit Includes:
  - (1) Can of cleaner/remover
  - (1) Can of penetrant
  - (1) Can of developer
- Instructions
- Ships ground only

## QUICKHEAT GUNS, HEAVY DUTY SOLDERING GUN & HEAVY DUTY RIVETER SET

### QUICKHEAT GUNS

### Description

SY4271-001

Quickheat 1

- Dual heat 250 or 1100°F
- 120V - 1200 watt



SY4272-001

Quickheat 2

- Dual heat 500 or 750°F
- 115V - 1400 watt



SY4277-001

Replacement deflector for SY4271-001



### HEAVY DUTY SOLDERING GUN

SY59276

- Instant heat
- Built-in spotlight
- Extra heat & soldering wire



### HEAVY DUTY RIVETER SET

SY59274

- 67 pieces
- 4 nozzles ( $\frac{3}{32}$ ",  $\frac{1}{8}$ ",  $\frac{5}{32}$ ",  $\frac{3}{16}$ ")
- 60 blinds rivets - 15 each of 4 sizes and nozzle wrench

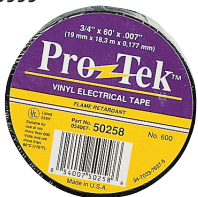


## TAPE

### Description

SY9999

- Suitable for use at not more than 600v and not more than 80°C (176°F)
- Flame retardant
- $\frac{3}{4}$ "W x 60'L 19mm x 18m



SY1700

- Flame retardant and weather-resistant
- Suitable for use at not more than 600v and not more than 80°C (176°F)
- $\frac{3}{4}$ "W x 60'L 19mm x 18m



- UL Listed 539H
- LR48769 0° to 80°

### Description

SY88

- 8.5 mil heavy duty premium grade all-weather vinyl electrical insulating tape
- Maintains conformability for cold weather applications, with better mechanical/abrasion resistance and quicker build-up
- $\frac{3}{4}$ "W x 60'L 19mm x 18m



SY33

- Premium grade all-weather vinyl electrical insulating tape, conformable for cold weather application to 0°F (-18°C) and is designed to perform in a continuous temperature environment up to 220°F (105°C)
- An aggressive adhesive and elastic backing easily conforms to irregular surfaces for moisture-tight electrical and mechanical protection, and provides flexibility and easy handling for all around performance
- $\frac{3}{4}$ "W x 66'L 19mm x 20m





## TAPE

### 3M SCOTCH™ 35 COLOR CODING

- Color Coding Tape is a premium grade electrical tape that stretches to conform to virtually any shape that required color-coded insulation
- Abrasion and weather-resistant, with excellent mechanical and electrical insulation properties
- Wraps smoothly and holds tight over a wide range of temperatures
- ¾"W x 66'L 19mm x 20m



#### Description

SY35BLU	Blue
SY35GRY	Gray
SY35RED	Red
SY35GRN	Green
SY35YEL	Yellow
SY35BRN	Brown
SY35ORG	Orange
SY35WHT	White
SY35PUR	Purple

### 3M TEMFLEX™ #2150 RUBBER SPLICING TAPE

SY2150

- Suitable for use at not more than 600V and up to 80°C (176°F)
- ¾"W x 22'L 19mm x 16.7m



UL Listed 539H

### 3M DUCT TAPE

SY74022

- 1.88" x 60yd 48mm x 55m



### 3M SCOTCH™ ELECTRICAL MOISTURE SEALANT PATCHES

SY6149



- Patches are self-fusing, rubber-based insulating mastic compounds laminated to a flexible all-weather grade PVC backing and are designed for moisture sealing of electrical connections up to 600 volts
- 25 patches per box
- 2½"W x 2½"L 63mm x 63mm

## OIL FILTER WRENCHES

### OFFSET PLIER TYPE

SYTL2537

Forged pliers wrench offers offset design to allow greater access in tight areas

Range: 2½" - 4⅝"  
64mm-117mm



### CHAIN-TYPE

SYTL2594

Chain allows for diameter adjustment and better gripping. Features vinyl handle





Range: 2¾" - 4½"  
70mm-115mm





# TOOLS & ACCESSORIES

## OIL FILTER WRENCHES

	Size		Size
SY74010	Size: 2 <sup>7</sup> / <sub>8</sub> " - 3 <sup>1</sup> / <sub>4</sub> "	SY74009	Size: 2 <sup>3</sup> / <sub>8</sub> " - 2 <sup>5</sup> / <sub>8</sub> "
			
SY74011	Size: 3 <sup>1</sup> / <sub>2</sub> " - 3 <sup>7</sup> / <sub>8</sub> "	SY74012	Size: 4 <sup>1</sup> / <sub>8</sub> " - 4 <sup>1</sup> / <sub>2</sub> "
			

## CAM-ACTION OIL FILTER WRENCHES

- Two thick jaws slide together using a cam mechanism to grab filters
- Use with <sup>3</sup>/<sub>8</sub>" square drive tools or <sup>7</sup>/<sub>8</sub>" hex socket

SYTL2550	Compact filters 2 <sup>3</sup> / <sub>4</sub> " - 3" 70mm-76mm
SYTL2555	Standard filters 3 <sup>3</sup> / <sub>8</sub> " - 3 <sup>7</sup> / <sub>8</sub> " 86mm-98mm



## HEAVY DUTY SPIDER-TYPE OIL FILTER WRENCH

- Three clamping legs are driven by gear mechanism for maximum range and superior gripping
- Use with <sup>3</sup>/<sub>8</sub>" drive tools
- Range: 2<sup>3</sup>/<sub>8</sub>" - 4<sup>3</sup>/<sub>4</sub>" 61mm-121mm



## LUBRICATION TOOLS

### OIL EXTRACTOR & FLUID EVACUATOR

SYTL7450



Extract or transfer motor oil, ATF, gear lube, gasoline, coolant or water neatly, powerfully and fast. Great for cars, boats, trucks, farm equipment or household plumbing. Ideal for moving fluids from inaccessible or confined areas. Features low-profile spherical design, 6-liter (6.30 quart) capacity, handy pouring spout and 3.30mm (7") long hose to fit down dipstick tubes. Transfers 4 liters of water per minute.

### DRAIN PLUG WRENCHES

Designed for the automotive lubrication industry, these wrenches will service most common hexagon drain plug sizes. Features ergonomic design with anti-slip rubber grip, 6 point wrench end plus open end. Made from chrome vanadium steel.



	Description
SYTL2576	Drain plug wrench-13mm
SYTL2578	Drain plug wrench-19mm
SYTL2579	Drain plug wrench-22mm
SYTL2582	Drain plug wrench- <sup>5</sup> / <sub>8</sub> "
SYTL2584	Drain plug wrench-14mm
SYTL2585	Drain plug wrench-15mm
SYTL2586	Drain plug wrench-16mm
SYTL2589	Drain plug wrench-17mm



## LUBRICATION TOOLS

### PISTON-TYPE OILERS

A full range of professional oilers for all liquid dispensing applications. Body and pump are all steel construction for extra strength and superior performance.



Description	
SYTLA792	6oz pistol oiler with flex spout
SYTLA794	12oz pistol oiler with flex spout
SYTLA795	16oz pistol oiler with flex spout

### HEAVY DUTY GREASE FITTING AND JOINT UNCLOGGER

SYTL2900



Opens stuck grease fittings and grease joints with powerful hydraulic impact. Softens dried out grease inside joints and allows you to grease neglected steering, suspension and driveline joints. A must for automotive, marine, lawn maintenance, farm and heavy equipment. Includes auxiliary flex hose for hard-to-reach applications.

### STANDARD LEVER-TYPE GREASE GUN

SYTL7700



Designed for use in general lubrication and daily maintenance work. Features sheet metal head, single vent hole with block nut and powder coated finish. Includes 6" (150mm) steel extension and 4-jaw coupler with ball check. Capacity: 14oz (400gm) grease cartridge or 500cm cube bulk fill. 1/8" NPT threads. 6,000 PSI

### HEAVY DUTY GREASE GUN

SYTL7705



Top-of-the-line grease gun is designed for heavy industrial applications and heavy workloads. Features heavy-duty aluminum die cast head with bulk loader and air bleeder valve, zinc plated lever handle with ergonomic rubber grip, plus non-slip powder coated finish. Includes 6" (150mm) steel extension and 4-jaw coupler with ball check. Capacity: 14oz (400gm) grease cartridge or 500cm cube bulk fill. 1/8" NPT threads. 10,000 PSI

### HEAVY-DUTY PISTOL-TYPE GREASE GUN

SYTL7710



Comfortable one-hand operated grease gun designed for use in confined spaces or where access to grease nipples is restricted. Features aluminum die-cast head with bulk loader and air bleeder valve, plated handle, plus non-slip powder coated finish. Includes 4" (100mm) steel extension and 4-jaw coupler with ball check. Capacity: 14oz (400gm) grease cartridge or 500cm cube bulk fill. 1/8" NPT threads. 5,000 PSI

### MIDGET PISTOL-TYPE GREASE GUN

SYTL7720



Popular, compact gun is perfect for hard-to-reach jobs. Features machined aluminum die-cast head, plated handle and non-slip powder coated finish. Includes 4" 100mm steel extension and 4-jaw coupler with ball check. Handles 3oz cartridges. 1/8" NPT threads. 3,000 PSI

### GREASE GUN

SY9857



14oz 420ml

### 12" GREASE GUN HOSE

SYTL7750



Flexible hose allows access to hard to reach fittings. Highly flexible with thermoplastic construction and zinc plated steel end connections with hydraulic crimping. Working pressure: 3,500 PSI. Burst pressure: 11,600 PSI. 1/8" NPT threads

### 18" GREASE GUN HOSE

SYTL7755



Extra long, this flexible hose will allow access to awkward and hard to reach fittings. Working Pressure: 3,500 PSI 240 BAR Burst Pressure: 11,600 PSI 800 BAR

### GREASE GUN COUPLER

SYTL7760



Standard design coupler is heat treated with 4 fully hardened spring steel jaws and spring loaded ball check to retain pressure. 1/8" NPT threads. Working pressure: 3,000 PSI 207 BAR

### RIGHT ANGLE GREASE GUN COUPLER

SYTL7762



Designed for right angle discharge to service fittings with limited access or with low profile application. Milled slot in the body allows for easy tightening. Use with straight extensions or flexible hoses. 1/8" NPT threads. Working pressure: 3,000 PSI 207 BAR



# TOOLS & ACCESSORIES

## LUBRICATION TOOLS

### 360° SWIVEL COUPLER

SYTL7765



Ideal for effective lubrication of hard to reach grease fittings with full 360° action and ability to lock at 45° at any position. Heavy-duty design features hardened jaws, hardened coupler body, spring loaded ball check and zinc plated finish. 1/8" NPT threads. Working pressure: 7,000 PSI 483 BAR.

### INJECTOR NEEDLE

SYTL7770



Lubricates in very tight spaces such as universal joints and sealed bearings. Equipped with standard grease fittings without ball check. Includes protective plastic holder. Needle thickness: 18 gauge.

### NEEDLE NOSE DISPENSER

SYTL7775



Use for dispensing a fine line of grease. Needle design allows contact with flush-on and other hard to reach grease fittings. Can be attached directly to steel extensions or flexible hoses. 1/8" NPT thread

### UNIVERSAL BEARING PACKER

SYTLA299



Fits all automotive wheel bearings. Forces out old grease and evenly injects fresh grease. Works with standard grease guns. Includes two plastic cones and extension screw with grease fitting.

### SEAL PULLER

SYTL2245



Removes oil and grease seals on cars and trucks. Two-sided hardened head is assembled to heavy-duty 1/2" bar stock shaft. Large handle for extra leverage, head is replaceable. OAL: 12" (30cm)

### BEARING RACE AND SEAL DRIVER SET

SYTL2950



Allows fast and easy installation of bearing races and seals. Includes 9 precision machined aluminum drivers plus installing tool. Packed in blow mold case. Driver sizes: 1.56", 1.75", 1.96", 2.32", 2.47", 2.55", 2.83", 2.99", 3.18".

## COOLING & ADAPTERS

### HEAVY DUTY ANTI-FREEZE & COOLANT TESTER

SYTLA195



Tests all ethylene glycol solutions with radiator hot or cold. Features easy-to-read dual scale for testing freezing point or boiling point of coolant, large rubber bulb and rubber extension hose.

### RADIATOR FLUSH KIT

SYTLA190



- Back flushes cooling systems to clear clogged radiators and passages to help ensure against engine-destroying overheating
- Includes three "T" adapters, and 2 hose clamps, to fit most cars and trucks
- Installs in minutes

### RADIATOR PRESSURE TESTER

SYTL7060



Pump and gauge assembly only from kit #7050

### ADAPTERS

SYTL7100



Cooling system adapter, works with SY7109 cap adapter

SY7091



Cooling system adapter, works with SY7113 cap adapter

SY7092



Cooling system adapter, works with SY7112 cap adapter



## IGNITION & TUNE UP - ELECTRICAL TOOLS

### SPARK PLUG SOCKET



- Three popular sizes to remove and install spark plugs
- Each features 3/8" square drive and hex drive ends
- Nickel-chrome plated alloy steel and rubber inserts to protect plugs
- OAL: 2.5" 64mm

SYTL2369 Spark plug socket: 9/16"

SYTL2371 Spark plug socket: 5/8"

SYTL2373 Spark plug socket: 13/16"

### SPARK PLUG TERMINAL PLIERS

SYTL3052



Removes spark plug wires safely with insulated handles and jaws. Small indentations in the jaws allow gripping even a bare terminal with engine running. OAL: 8"

### ENGINE ANALYZER - DIGITAL

SYTLA305



Professional tester for basic automotive diagnostic and electrical testing. Includes detachable leads, holder and stand. Includes two AAA batteries and instructions.

### HEAVY-DUTY LOW VOLT CIRCUIT TESTER

SYTL3023



Durable electrical tester. Features heavy duty ground clip and insulator, 5' (1.50m) of tough flexible rubber wire with spring supported strain relief and extra thick Lexan body.

### HIGH & LOW VOLTAGE CIRCUIT TESTER

SYTL3022



Tests high voltage in spark plugs, plug wires and distributor caps. Test 6 & 12 volt systems for shorts, grounds and open circuits with power on. Bulbs are replaceable. Features 42" (107cm) long wire with hooded alligator clip, impact resistant body and sharp probe.

### CONTINUITY TESTER

SYTL3026



Battery powered tester used to test all circuits with POWER OFF. Ideal for testing fuses, grounds, shorts, contacts, diodes and all circuit components. Uses one AA battery (not included). Features 42" (107cm) long wire with hooded alligator clip, impact resistant body and sharp probe.

### HEAVY-DUTY COMPUTER SAFE AUTO LOGIC PROBE

SYTL3031



High impedance tester protects computer circuitry, drawing less than 7 milliamps. Dual color LED indicates red for power (high) and green for ground (low). Services 6, 12 and 24 volt systems. Features insulated probe, 6' (1.80m) long heavy duty wire, 18 gauge dual leads with battery clips, high-impact plastic body and spring-strain relief.

### SPARK PLUG WIRE TESTER

SYTL3018



Tests for the presence of spark without risk of shock and without damaging wires. Identifies badly fouled spark plugs. Includes 48" (122cm) lead, hooded alligator clip and inductive tester with LED.

### REMOTE CONTROL STARTER SWITCH

SYTL3012



Controls any engine with solenoid starter switch when making adjustments and repairs. Features large ergonomic switch case and over 3' (91cm) of leads, with hooded clamps.



# TOOLS & ACCESSORIES

## BRAKE & WHEEL TOOLS, GAUGES & STEERING TOOL

### BRAKE BLEEDER WRENCHES



- Loosens bleed screws to allow bleeding of air from brake cylinders
- Forged, offset style wrenches fit most domestic and import applications
- OAL: 9" 23cm

**SYTLA141** Brake bleeder wrench: 1/4" x 3/8"

**SYTLA143** Brake bleeder wrench: 5/16" x 3/8"

### DISC BRAKE PAD SPREADER

**SYTL1465**



Helps install pads on most vehicles by compressing inner pad and resetting caliper piston. Features large knob and fine thread driver for easy turning. Works in tight areas where C-Clamps won't.

### BRAKE SPRING PLYERS

**SYTLA115**



Removes and installs shoe return springs on most drum brakes. Handle ends remove and install anchor springs, while deep jaws clear shoe and strong hooked molds spring securely.

Standard design, OAL 12"

### BRAKE ADJUSTING TOOL

Adjusts clearance between brake drum and brake shoe on drum brakes. Fits through the slot in the backing plate and turns the star wheel. Four different tools with varying angles and widths.



**SYTL1417** 5/8" flat x 5/8" beveled, OAL 9"



**SYTL1418** 1/2" flat x 1/2" beveled, OAL 7"



**SYTLA117** 7/16" flat x 7/16" beveled, OAL 8"



**SYTLA118** 3/8" flat x 3/8" beveled, OAL 7.75"

## PULLER SETS, TUBING TOOLS & SPECIALTY PLIERS

### MULTI-GROOVE TUBE BENDER

**SYTL9170**



Bends 3/16", 1/4", 5/16" and 3/8" (4.80, 6.40, 7.90 and 9.50mm) diameter tubing without kinking or collapsing. Machined aluminum head is mounted to steel handle with vinyl grip. OAL: 8.00" 20cm

### ONE MAN BRAKE BLEEDER

**SYTL1238**



One-way check valve keeps air from flowing back into caliper or wheel cylinder when brake pedal is released, eliminating the need for a helper. Features universal spring clamp and 2' long (61cm) clear hose to view bubbles.

### ONE MAN BRAKE BLEEDER KIT

**SYTL1250**



Services calipers, wheel cylinders and master cylinders. Includes fluid collection bottle, magnet (attaches bottle to car to allow any bubbles to rise), set of hoses and special tapered fittings.

### FEELER GAUGE SET 26 BLADE STANDARD

**SYTLA317**



3" straight blades: 0.0015, 0.0020, 0.0025, 0.0030 through 0.0250" by thousandths. Blades also marked with metric equivalent. Knurled nut allows blade removal.

### TIE ROD SEPARATOR

**SYTLA410**



Similar to #4010 but with shorter knurled grip handle for tight areas. OAL: 12" (30cm)

### PRO TUBING BENDER

**SYTL9172**



Bends 3/16", 1/4", 5/16" and 3/8" (4.80, 6.40, 7.90 and 9.50mm) diameter tubing without kinking or collapsing. Heavy-duty pliers with two interchangeable roller adapters. OAL: 10.00" 25cm



## PULLER SETS, TUBING TOOLS & SPECIALTY PLIERS

### FLARE NUT WRENCHES

SYTLA850



SAE wrenches fits most automotive tube fitting applications, including fuel, vacuum, hydraulic and refrigeration lines. Offset hex-head will not round soft flare nuts. Forged from chrome vanadium alloy steel and raised panel design.

3 piece flare nut wrench set: SAE

### PRO MINI TUBING CUTTER

SYTL9175



Similar to #9175 but all zinc die-cast construction and cutting wheel assembled on top.

### FLARING TOOL KIT

SYTLA970



Flares seven popular tubing sizes:  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ " and  $\frac{5}{8}$ ". Used for copper, aluminum and steel tubing.

### SPECIALTY PLIERS

SYTL8860



**10 Piece Fixed Point Snap Ring Pliers Set**  
Service both internal and external snap-rings with this set of fixed-point pliers. Each pliers easily converts from internal to external with thumbscrew. Made of heavy-gauge tempered steel and all with vinyl grips. Packed in blow mold case. Includes the following: 0.038" Straight Tip Pliers, 0.038" 72° Pliers Straight Pick, 0.047" Straight Tip Pliers, 0.047" 72° Pliers, 90° Pick, 0.070" Straight Tip Pliers, 0.070" 72° Pliers, 0.090"; Straight Tip Pliers, 0.090" 72° Pliers

## HYDRAULIC SERVICE TOOLS

SY92001



Description

17 piece tool kit

SY92002



Description

11 piece tool kit

SY92003



Description

5 piece tool kit

### REPLACEABLE WOODSCREW



Description

SY92033  $\frac{5}{16}$ " up

SY92034  $\frac{7}{16}$ " up

### REPLACEABLE CORKSCREW TIPS



Description

SY92035  $\frac{5}{16}$ " up

SY92036  $\frac{7}{16}$ " up

SY92037  $\frac{1}{2}$ " up

### FLEXIBLE PACKING HOOKS



Description

SY92028  $5\frac{1}{2}$ " length.  $\frac{7}{32}$  hex

SY92029  $9\frac{1}{2}$ " length.  $\frac{3}{8}$  hex

SY92030 12" length.  $\frac{3}{8}$  hex

SY92031  $\frac{1}{2}$ " up

### O-RING PICK SET - 2



Description

SYORP-B Brass

SY92044 Stainless steel

### SOLID SHAFT PICKS



Description

SY92038  $\frac{1}{8}$ " up

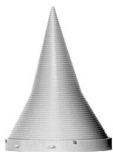
SY92039  $\frac{5}{16}$ " up



# TOOLS & ACCESSORIES

## HYDRAULIC SERVICE TOOLS

	Description
SY92040	O-ring measuring cone



	Description
SY92017	O-ring pick set - 3



	Description
SY92042	O-ring pick set



	Description
SY92032	Chevron assembly tool



	Description
SY92016	O-ring pick set - 4



ROD U-SEAL INSTALLATION TOOLS	Description
SY92045	¾" to 1¼"
SY92012	1¾" to 1¼"
SY92004	2" to 3"



## INSTALLATION TOOL KIT

- The kit consists of 14 different installation tools for various size seals from 45mm to 110mm
- The various sizes will accommodate a wide range of applications
- Developed to be used in the rebuilding of hydraulic cylinders
- Designed to help with the installation process and prevent damages from occurring to the surrounding parts

SY92113 Seal installation tool kit



### Individual Part Numbers

SY92134	SY92142	SY92117	SY92088	SY92136	SY92160	SY92140
SY92141	SY92143	SY92138	SY92139	SY92135	SY36764	SY92137

## THREAD REPAIR, FASTENER TOOLS & BRUSHES

### WIRE POWER BRUSH

- For heavy-duty applications in removing corrosion, carbon, paint or rust
- All brushes feature high carbon steel wire and ¼" shank for use with electric drill



	Description	Max RPM
SYTL9805	Knot-type end brush, 1" 25mm dia	20,000

### WIRE POWER BRUSHES - BRASS COATED

- Brass offers superior finish and durability
- Available in three types in varying diameters
- All with 1/4" shank for use with electric drill



	Description	Max RPM
SYTLA500	Wire cup brush, 2" 51mm dia	4,500
SYTLA502	Wire cup brush, 3" 76mm dia	4,500
SYTLA522	Wire wheel brush, 2" 51cm dia	4,500
SYTLA524	Wire wheel brush, 3" 76mm dia	4,500



## THREAD REPAIR, FASTENER TOOLS & BRUSHES

### LARGE WIRE SCRATCH BRUSHES

- For general purpose cleaning
- Features hardwood handles with hang hole
- 1" heavy-duty steel wire



SYTL9811	Curved handle
SYTL9813	Shoe handle

### STUD REMOVER & INSTALLER

SYTL9011



#### Description

Fits hard-to-reach areas to remove stubborn studs. Working range from ¼" to ¾" (6mm-19mm) diameter. Use with ½" drive tools.

### IMPACT WRENCH KIT

SYTL9311



#### Description

High-quality tool will loosen rusted screws, nuts and bolts. Use with hammer to prove maximum torque action. Kit includes ¾" square drive tool, hex bit adapter and four ⅝" impact hex bits (⅜" and ⅝" slotted, #2 and #3 Phillips).

### NUT SPLITTING TOOL

SYTL9015



#### Description

Splits rusted or seized nuts up to ¾" (19mm) across flats. Especially useful for shock absorbers stud-end nuts. Features offset design for improved accessibility, thick forged body and swivel head. Use with ¾" hex drive tools.

### FIX-A-THREAD® REPAIR KITS & INSERTS

Repairs damaged threads in most automotive, motorcycle and outdoor power equipment systems. Unique insert design creates a permanent and wear-resistant thread in the parent material. Inserts are cold-rolled from 18/8 stainless steel wire with a diamond cross-section and wound into a spring coil. Fix-a-Thred® Taps are special oversize taps to international specifications. Standard taps cannot be used. Fix-a-Thred® Inserts will fit any other brand of tooling, but other brands will not work with Fix-a-Thred®.

#### INSERTS

SYTL23609	Fix-a-Thred inserts (10 Pk): UNC 10 - 24
SYTL23049	Fix-a-Thred inserts (10 Pk): UNC ¼" - 20
SYTL23059	Fix-a-Thred inserts (10 Pk): UNC ⅝" - 18
SYTL23069	Fix-a-Thred inserts (10 Pk): UNC ¾" - 16
SYTL23079	Fix-a-Thred inserts (10 Pk): UNC 7/16" - 14
SYTL23089	Fix-a-Thred inserts (10 Pk): UNC ½" - 13
SYTL24609	Fix-a-Thred inserts (10 Pk): UNF 10 - 32
SYTL24049	Fix-a-Thred inserts (10 Pk): UNF ¼" - 28
SYTL24059	Fix-a-Thred inserts (10 Pk): UNF ⅝" - 24
SYTL24069	Fix-a-Thred inserts (10 Pk): UNF ¾" - 24
SYTL24079	Fix-a-Thred inserts (10 Pk): UNF 7/16" - 20
SYTL24089	Fix-a-Thred inserts (10 Pk): UNF ½" - 20
SYTL25089	Fix-a-Thred inserts (10 Pk): MTC M8 - 1.25
SYTL25099	Fix-a-Thred inserts (10 Pk): MTC M9 - 1.25
SYTL25109	Fix-a-Thred inserts (10 Pk): MTC M10 - 1.50
SYTL25129	Fix-a-Thred inserts (10 Pk): MTC M12 - 1.75
SYTL25059	Fix-a-Thred inserts (10 Pk): MTC M5 - 0.80
SYTL25069	Fix-a-Thred inserts (10 Pk): MTC M6 - 1

#### KITS

SYTL33049	Fix-a-Thred kit - UNC ¼" - 20	SYTL35059	Fix-a-Thred kit - MTC M5 - 0.80
SYTL33059	Fix-a-Thred kit - UNC ⅝" - 18	SYTL35069	Fix-a-Thred kit - MTC M6 - 1.00
SYTL33069	Fix-a-Thred kit - UNC ¾" - 16	SYTL35089	Fix-a-Thred kit - MTC M8 - 1.25
SYTL33079	Fix-a-Thred kit - UNC 7/16" - 14	SYTL35099	Fix-a-Thred kit - MTC 9 - 1.25
SYTL33089	Fix-a-Thred kit - UNC ½" - 13	SYTL35109	Fix-a-Thred kit - MTC 10 - 1.50
SYTL33609	Fix-a-Thred kit - UNC 10 - 24	SYTL35129	Fix-a-Thred kit - MTC 12 - 1.75
SYTL34049	Fix-a-Thred kit - UNF ¼" - 28	SYTL37109	Fix-a-Thred kit - MTC 10 - 1.25
SYTL34059	Fix-a-Thred kit - UNF ⅝" - 24	SYTL37149	Fix-a-Thred kit - MTC 14 - 1.50
SYTL34069	Fix-a-Thred kit - UNF ¾" - 24	SYTL38109	Fix-a-Thred kit - MTC 10 - 1.00
SYTL34079	Fix-a-Thred kit - UNF 7/16" - 20	SYTL38129	Fix-a-Thred kit - MTC 12 - 1.25
SYTL34089	Fix-a-Thred kit - UNF ½" - 20	SYTL38149	Fix-a-Thred kit - MTC 14 - 1.25
SYTL34609	Fix-a-Thred kit - UNF 10 - 32		





# TOOLS & ACCESSORIES

## THREAD REPAIR, FASTENER TOOLS & BRUSHES

### 53 PIECE UNIVERSAL RETHREADING SET

#### SYTL8240

Complete set of tools for all your rethreading needs.

Includes thread files #8231 and #8233 plus the following taps and dies:

METRIC	NC-USS	NF-SAE
6 x 1.00mm tap & die	¼" - 20 tap & die	¼" - 28 tap & die
6 x 1.25mm die only	5/16" - 18 tap & die	5/16" - 24 tap & die
7 x 1.00mm die only	3/8" - 16 tap & die	3/8" - 24 tap & die
8 x 1.00mm die only	7/16" - 16 tap & die	7/16" - 20 tap & die
8 x 1.25mm tap & die	½" - 13 tap & die	½" - 20 tap & die
8 x 1.50mm tap & die	9/16" - 12 tap & die	9/16" - 18 tap & die
10 x 1.00mm tap & die	5/8" - 11 die only	5/8" - 18 die only
10 x 1.25mm tap & die		
10 x 1.50mm tap & die		
11 x 1.50mm tap & die		
12 x 1.25mm tap & die		
12 x 1.50mm tap & die		
12 x 1.75mm tap & die		
14 x 1.50mm tap & die		

### FLUTED SCREW EXTRACTORS

Removes broken studs, set screws, pipe and alemite fittings. Hardened extractors are tapered with special 4-point ends to bite into fastener. Also available individually.



SYTL9030	5 piece screw extractor kit
SYTL9031	Screw extractor: 5/16"
SYTL9032	Screw extractor: 3/8"
SYTL9033	Screw extractor: 7/16"
SYTL9034	Screw extractor: 9/16"
SYTL9035	Screw extractor: 5/8"

### SPIRAL SCREW EXTRACTORS

Removes broken studs, set screws and pipe fittings. Made from high-quality chrome-moly steel with reverse tapered threads. Also available individually.



SYTL9040	5 piece screw extractor kit
SYTL9041	Screw extractor: ¼"
SYTL9042	Screw extractor: 5/16"
SYTL9043	Screw extractor: 7/16"
SYTL9044	Screw extractor: 9/16"
SYTL9045	Screw extractor: ¾"

## MIRRORS & PICK UP TOOLS

### INSPECTION MIRRORS

For fast, accurate visual inspection of hidden areas. Features all-angle double ball joint that links mirror to handle for 360° viewing, but holds position firmly.



Description
SYTL9450

Telescopic pocket



SYTL9454	Telescopic round with rubber grip
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### MAGNETIC PICK-UP TOOLS

A full range of styles and strengths for picking up ferrous tools, parts, nuts, bolts, etc.



Description
SYTLA935

Telescopic magnetic pick-up tool



SYTL9425	Magnetic pick-up tool - telescopic pocket
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SYTL9439	Flexible shaft magnetic pick-up tool
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## GENERAL SERVICE TOOLS

### PRY BARS



**SYTLA910** Excellent for prying cylinder heads, manifolds, transmission cases and drive line components. Heavy, square bar stock is heat-treated with a black-oxide finish and set into a large plastic handle.  
5/16" x 12 3/4"

### 4 PIECE HOOK & PICK SET



**SYTL9910** High carbon steel ends with hex shaft for heavy-duty work. Styles: Straight, Complex, 90° and Hook. OAL: 7" 18cm

### 5 PIECE HOOK & PICK SET



**SYTL9900** For separating wires, removing small fuses, O-rings, retrieving washers and loose parts too small to pick up with your fingers. Also used for scribing on metal parts. Includes four high carbon steel points that screw into aluminum handle. Handle also features magnetic end. All packed in vinyl pouch. OAL: 6 3/4" 17cm

### GASKET SCRAPER



**SYTL2080** Heavy duty, all-purpose scraper for removing shellacked gaskets, paint, grease and carbon. 1" wide forged alloy steel blade with sharp chisel edge can be re-sharpened.

### HAMMER SET



**SY59288** Sledge and cross pein

### BALL PEIN HAMMER



**SY59287** 16oz

## SCRAPERS & KNIVES

### SNAP BLADE KNIVES

- Features snap-off blade inside plastic handle with black lock mechanism
- All knives are bulk pack
- Includes multiple colors



**SYTL097600** Large snap-blade knife, 18mm blade.  
**SYTLA908B-M** Small snap-blade knife, 9mm blade.

### RAZOR BLADES



**SYW742** Heavy duty, single edge blade. Pack of 12.  
**SYW747** Heavy duty, single edge blade. Pack of 100.  
**SYW744** Heavy duty standard utility knife blade. Pack of 5.  
**SYW7501** Heavy duty standard utility knife blade. Pack of 100. Dispenser included.

## AIR COMPRESSORS & HOSES

### PORTABLE COMPRESSOR

- 20 Gallon tank
- Automatic pilot valve operation
- Industrial flexible discharge hose
- Automatic idle control for economy and long service life
- Air-cooled aftercooler
- Pressure gauge 0-200 in 5lb graduations
- Intake filter with silencer and replaceable element



**SY4090HK17/20** 5.5 HP 13.1 Disp. CFM 8.9 Del'd CFM  
**SY6590HK18/20** 6.5 HP 17.9 Disp. CFM 13.1 Del'd CFM



# TOOLS & ACCESSORIES

## AIR COMPRESSORS & HOSES

### 62 PIECE AIR TOOL KIT

SY59294



#### Description

The Briggs & Stratton 62-piece kit has everything you need.

Includes: ½" impact wrench with 7,000 RPM and 250ft/lbs of torque, ¾" air ratchet with 50ft/lbs of torque, air hammer, 10-piece socket set, 7-piece blow gun kit, tire chuck and gauge, 3-piece chisel set, adapters and storage case.

### AIR COMPRESSOR HOSES

#### Description

SY59297

¾" X 50'



SY59296

¾" X 25'



SY59295

Recoil, ¼" X 25'



## DIAGNOSTIC TOOLS

### ZAPI 16 KIT

ZA66-FC2009A-16KT



#### Description

- Universal handset works on 16 different trucks
- Adjust controller parameters, test the controller inputs, restore settings from previously saved files, read the last 5 controller errors encountered, and calibrate the accelerator pedal

Kit Includes:

- Zapi 16 truck handset
- 5 adapter cables
- Zippered case

### CURTIS HANDSET

ZY1313K-3231



#### Description

- A powerful and intuitive programming and diagnostic tool. This handset enables parameter files to be created and edited online or offline, transferred to another controller for cloning or saved onto a PC or SD card
- This is the dealer level handset and as such will not work on all Curtis controls. It may not adjust all settings as the vehicle OEM determines the settings that are made available for safety reasons

Kit includes:

- Handheld programmer
- 4-pin molex cable
- DB-9 cable
- USB cable

### GE HANDSET

ACRP41-LXHS-00



#### Description

- Used with the LX, ZX, and SX Series GE solid-state controls
- Perform many functions on GE motor controllers such as assisting in troubleshooting, adjusting controller features, and identifying vehicles being improperly used

### FLIR METER

SY1256709



#### Description

- The FLIR CM174 clamp meter combines thermal imaging with electrical measurement into a powerful inspection, troubleshooting, and diagnostic tool
- This multimeter will enable you to measure AC/DC voltage, AC/DC current, resistance, capacitance, test diodes, and has a built-in thermal camera to identify faulty connections and battery/cell issues



## DIAGNOSTIC TOOLS

### FLUKE 115 FIELD TECHNICIANS DIGITAL MULTIMETER



SYFLUKE-115

#### Description

- Offer the user one-handed operation and a backlit display with large, easy-to-read digits
- Measures AC and DC voltage to 600V, AC and DC current to 10A (20A overload for 30-seconds max)
- Measures resistance, continuity, frequency, and capacitance
- Provides Min/Max/Average with elapsed time to record signal fluctuations
- Include a holster with probe holders for easy storage and one-handed operation

### FLUKE C90 SOFT CASE



SYFLUKE-C90

#### Description

- For DMM and Visual IR Thermometers
- Zippered carrying case with inside pocket and belt loop

### FLUKE TL223 SUREGRIP™ ELECTRICAL TEST LEAD SET



SYFLUKE-TL223

#### Description

- AC220 SureGrip™ alligator clip set
- TP1 Slim-Reach™ test probes (flat bladed)
- TL224 SureGrip™ silicone test lead set (straight to right)

### FLUKE TPAK TOOLPAK™ MAGNETIC METER HANGER



SYFLUKE-TPAK

#### Description

- Powerful rare earth magnetic hanger strap with trusted Fluke durability
- Hang your meter on nails, hooks and many other objects
- Compatible with many Fluke multimeters and tools

### FLUKE 375 FC TRUE-RMS AC/DC CLAMP METER







SYFLUKE-375FC

#### Description

- High performance clamp meter that measures very low voltage and high resistance
- Transmits measurements to your smartphone via Fluke Connect® so you can view them at a safer distance
- Measures AC and DC current to 600A, and AC and DC voltage to 1000V
- Measures AC current to 2500A AC with optional iFlex flexible current probe



# TOOLS & ACCESSORIES

DIAGNOSTIC TOOLS		
FLUKE 87V INDUSTRIAL MULTIMETER		Description
	SYFLUKE-87V	<ul style="list-style-type: none"><li>• Troubleshoot motor drives, plant automation, power distribution, and electromechanical equipment</li><li>• Supports accurate measurements on VFDs using a low-pass filter</li><li>• Captures intermittents as fast as 250 <math>\mu</math>S with Peak Capture</li><li>• Blocks high-frequency, high-energy noise generated by large drive systems with specially designed shielding</li><li>• Removable holster with built in test lead and probe storage for convenience</li></ul>
FLUKE 87V/E2 INDUSTRIAL ELECTRICIAN COMBO KIT		Description
	SYFLUKE87V/E2	<ul style="list-style-type: none"><li>• All functionality of the 87V Industrial Digital Multimeter</li><li>• Fully insulated 3mm exposed metal test probes for electricians working in high energy environments</li><li>• C35 soft carrying case holds meter, test leads and other accessories</li><li>• TPAK magnetic hanging strap lets you attach the meter to any ferrous surface, such as cabinets and iron pipes</li></ul>
FLUKE TL224 SUREGRIP™ INSULATED TEST LEADS		Description
	SYFLUKE-TL224	<ul style="list-style-type: none"><li>• DMM test leads (red, black) with safety shrouded, standard diameter banana plugs</li><li>• Right angle connector on one end and straight connector on the other</li><li>• CAT IV 600V, CAT III 1000V, 10A rating. CSA listed</li><li>• 1.5 meter silicone-insulated wire resists heat &amp; cold</li><li>• Reinforced strain relief</li></ul>
FLUKE AC285 SUREGRIP™ ALLIGATOR CLIPS		Description
	SYFLUKE-AC285	<ul style="list-style-type: none"><li>• One pair (red, black) of large alligator clips with nickel-plated steel jaws</li><li>• Multi-purpose tooth pattern grips anything from fine gauge wire to a 20mm bolt</li><li>• Recommended for use with TL222 and TL224 test leads</li><li>• CAT IV 600V; CAT III 1000V, 10A rating</li></ul>





## DIAGNOSTIC TOOLS

### SPECIFIC FOR THE IMPCO TIER II SPECTRUM SYSTEMS

#### IMPITK-4



Kit includes all necessary fittings, fitting caps, gauges, hoses and diagnostic cables needed to connect laptop to the lift truck

#### KIT DOES NOT COME WITH COMPUTER SOFTWARE

Training for Impco Tier II Spectrum Fuel System is available through TVHU. Spectrum training is a 2-day seminar designed to give you in depth knowledge of the spectrum engine. With hands on training, mechanics will learn spectrum system components and functions and how to operate the diagnostics kit. Attendees will be shown the diagnostics and display screens and plug into a live running spectrum engine as part of a hands-on session. Live display screens will be used to activate and clear fault codes.

In addition, explanations of the new legislation and regulations governing the engine emissions as adopted by the Environmental Protection Agency (EPA) and the California Air Resources Board (CARB). The diagnostics kit will be offered at a discounted price to those who attend the class.

### UNIVERSAL COMPRESSION TESTER

#### SYTL2012



Complete set will cover virtually every compression test from lawn mowers to trucks. Includes 8" (20cm) flex hose with 14mm and 18mm threaded end, three long adapters (10mm, 12mm and 14mm), one straight extension, plus offset and straight adapters with tapered rubber cones, and standard gauge head with quick release valve and threaded end. Gauge head is 2½" (64mm) diameter with dual calibration (0-300 PSI 0-21 kg/cm2). Packed in blow mold case.

### QUADRAGAUGE



- Compatible with most hydraulic fluids
- Includes bleeder screw and convenient hanger
- Built-in pressure sensor protects low range gauges from high pressure
- Reads pressure in hydraulic, air and vacuum systems
- Reads both U.S. standard and metric
- Continuous system pressure readings are possible through standard and glycerin gauges
  - Performs four gauges
  - Read in LBS/IN2 (psig) and kg/cm2 (bar)
  - Case is dust and moisture resistant
  - Compact for tool box storage

**SY41024** Standard gauge, 67/16" dia, 5000PSI maximum pressure

**SY87810** Glycerin filled gauges, 67/16" dia, 6000PSI maximum pressure

### GENERAL PURPOSE DIGITAL PRESSURE GAUGE

- Versatile and economical
- 0-10,000 PSI
- 9 engineering units of measure
- Easy-to-read 5 digit display
- ½" character size
- Minimum and maximum pressure indication



#### Description

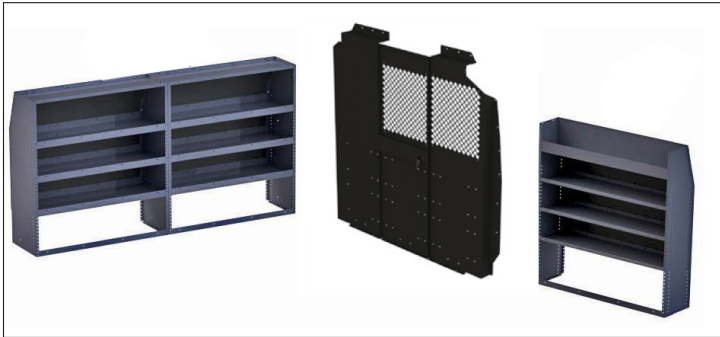
<b>SY12-740-013</b>	Gauge and 12" hose
<b>SY12-740-014</b>	Gauge and 36" hose
<b>SY12-740-015</b>	Gauge, 12" hose, 14 piece fitting kit and padded storage case
<b>SY42-590-002</b>	12" hose
<b>SY42-590-003</b>	36" hose
<b>SY12-700-002</b>	Fitting kit



MASTERRACK® has over 45 years of experience in the design and manufacture of high-quality, commercial grade van and pickup equipment. Cost effective and reliable, a MASTERRACK® package will help keep fleets organized on the road for years to come.



	Description
SY1260660	GM Express package
SY1260661	Ford Transit low roof package
SY1260662	Ford Transit medium roof package
SY1260663	Ford Transit high roof package
SY1260664	Promaster package
SY1260665	Mercedes Sprinter package
SY1260666	Mercedes Sprinter package
SY1260667	Contractor package
SY1260668	Plumbing/HVAC upgrade
SY1260669	Electrical accessory upgrade
SY1260670	Transit low roof plumbing HVAC package



**FOR A FULL LISTING OF MASTERRACK® ACCESSORIES AVAILABLE,  
PLEASE CONTACT YOUR SALES REPRESENTATIVE.**



Handwriting practice lines consisting of 20 horizontal lines.

Handwriting practice lines consisting of 6 horizontal lines.



Parts sourced by TVH.



