

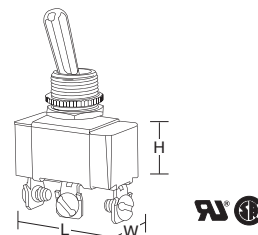


Supplies



Standard and Heavy-Duty Toggle Switches

- Great for power tool and motor control switch applications
- Rugged long-wearing solid brass/nickel-plated bushings
- 1/2 in. diameter mounting hole
- Dielectric Strength: 1500V
- Mechanical Life: 100,000 cycles
- Operating Temperature: 32°F to 185°F (0°C to 85°C)
- DC Rating: Factory tested 100,000 cycles to 21 Amp 14.8 VDC
- Bulk packaging of 100 available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" x W" x H")	Cat. No.
						Amps 125 VAC	Amps 277 VAC	HP 125-250 VAC		
	Toggle Switch with On-Off Faceplate	SPST	On-Off	Screw	2	20	10	3/4	1.13 x .57 x .61	774011 774011BK†
	Toggle Switch with On-Off Faceplate	SPST	On-Off	Spade	2	20	10	3/4	1.13 x .57 x .61	774008 774008BK†
	Toggle Switch	SPST	On-Off	"O" Ring & Screw	2	20	10	3/4	1.13 x .57 x .61	774010
	Toggle Switch	SPST	(On)-Off	Screw	2	20	10	3/4	1.13 x .57 x .61	774093
	Toggle Switch	SPST	On-(Off)	Screw	2	20	10	3/4	1.13 x .57 x .61	774088 774088BK†
	Toggle Switch w/boot	SPST	On-Off	Wire leads w/boot	2	20	20	1-1/2	1.18 x .68 x .75	774111 774111BK†
	Toggle Switch	SPDT	On-On	Screw	3	20	10	3/4	1.13 x .57 x .61	774012
	Toggle Switch	SPDT	On-On	Spade	3	20	10	3/4	1.13 x .57 x .61	774100
	Toggle Switch	SPDT	On-Off-On	Screw	3	20	10	3/4	1.13 x .57 x .61	774013
	Toggle Switch	SPDT	On-Off-On	Spade	3	20	10	3/4	1.13 x .57 x .61	774027
	Toggle Switch	SPDT	On-Off-(On)	Screw	3	20	10	3/4	1.13 x .57 x .61	774094
	Toggle Switch	SPDT	(On)-Off-(On)	Screw	3	20	10	3/4	1.13 x .57 x .61	774009
	Heavy-Duty Toggle Switch	DPST	On-Off	Screw	4	20	10	1-1/2	1.30 x .76 x .80	774014 774014BK†
	Heavy-Duty Toggle Switch	DPST	On-Off	Spade	4	20	10	1-1/2	1.30 x .76 x .80	774005 774005BK†
	Heavy-Duty Toggle Switch	DPST	(On)-Off	Screw	4	20	10	1-1/2	1.30 x .76 x .80	774103
	Heavy-Duty Toggle Switch	DPST	On-(Off)	Screw	4	20	10	1-1/2	1.30 x .76 x .80	774105

() denotes momentary action

†Bulk Package of 100

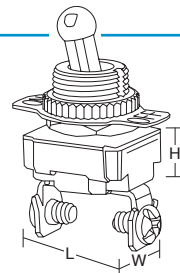
Standard and Heavy-Duty Toggle Switches

Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" × W" × H")	Cat. No.
						Amps 125 VAC	Amps 277 VAC	HP 125-250 VAC		
	Heavy-Duty Toggle Switch	DPDT	On-On	Screw	6	20	10	1-1/2	1.30 × .76 × .80	774015
										774015BK†
	Heavy-Duty Toggle Switch	DPDT	On-On	Spade	6	20	10	1-1/2	1.30 × .76 × .80	774091
										774091BK†
	Heavy-Duty Toggle Switch	DPDT	(On)-On	Screw	6	20	10	1-1/2	1.30 × .76 × .80	774028
										774028BK†
	Heavy-Duty Toggle Switch	DPDT	On-Off-On	Screw	6	20	10	1-1/2	1.30 × .76 × .80	774016
										774003
	Toggle Switch	3PST	On-Off	Screw	6	15	10*	3/4	1.31 × 1.09 × .80	774106
	Toggle Switch	3PDT	On-On	Screw	9	15	10*	3/4	1.31 × 1.09 × .80	774089
										774089BK†
	Toggle Switch	3PDT	On-Off-On	Screw	9	15	10*	3/4	1.31 × 1.09 × .80	774092
	Toggle Switch	4PST	On-Off	Screw	8	15	10*	3/4	1.31 × 1.44 × .80	774108
	Toggle Switch	4PDT	On-On	Screw	12	15	10*	3/4	1.31 × 1.44 × .80	774109
	Toggle Switch	4PDT	On-Off-On	Screw	12	15	10*	3/4	1.31 × 1.44 × .80	774110

*250VAC, Dielectric strength: 1000V () denotes momentary action †Bulk Package of 100

Medium and Light-Duty Toggle Switches

- Great for household appliances and equipment
- Bat toggle switch, 774007, is ideal for battery-powered equipment including trimmers and lawn mowers
- Wire leads are #18 AWG, 6" stripped wire
- 1/2 in. diameter mounting hole
- Bulk packaging available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating	Dimensions (L" x W" x H")	Cat. No.
	Bat Toggle with On-Off Faceplate	SPST	On-Off	Screw	2	6 Amps 120 VAC, 3 Amps 240 VAC	.69 x .55 x .34	774017
	Bat Toggle with On-Off Faceplate	SPST	On-Off	Wire Leads	2	4 Amps 250VAC/DC, 8 Amps 125VAC/DC, 10 Amps 125 VAC, 1/2 HP 125 VAC	.98 x .64 x .62	774017BK†
	Bat Toggle*	SPST	On-Term Ground	Spade	1	21 Amps 14 VDC	.69 x .55 x .34	774007
	Short Ball Toggle Switch	SPST	On-Off	Screw	2	6 Amps 120 VAC, 3 Amps 240 VAC	.69 x .55 x .34	774001
	Short Ball Toggle Switch	SPST	On-Off	Wire Leads	2	6 Amps 125 VAC, 3 Amps 250 VAC	.89 x .47 x .55	774002
								774002BK†

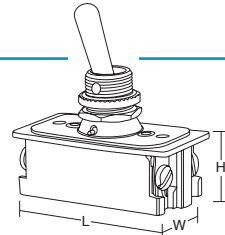


†Bulk Package of 100

*DC rating not CSA or RU listed

Extra Heavy-Duty AC/DC Toggle Switches

- The switch that can handle your heavy-duty requirements
- Quick-make/quick-break type switches are ideal for DC voltage applications
- Perfect for industrial motor control, with its sturdy metal construction and stiff actuation force, it will withstand the abuses of virtually any application
- Bulk packaging of 100 available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" x W" x H")	Cat. No.
						Amps 125V	Amps 250V	HP 125-250V		
	Heavy-Duty Toggle Switch	SPST	On-Off	Screw	2	16	8	1	1.75 x .84 x .76	774095
	Heavy-Duty Toggle Switch	DPST	On-Off	Screw	4	16	8	1	1.75 x .84 x .76	774095BK†
	Heavy-Duty Toggle Switch	DPST	On-Off	Screw	4	20	10	1-1/2	2.09 x 1.00 x .90	774097



†Bulk Package of 100

Toggle Switch Accessories

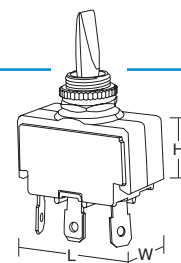
- These neoprene covers are great for outdoor and other environmentally tough conditions. They screw onto toggle switches to protect switches from moisture, dust and dirt.
- Nickel indicator plate fits easily on most toggle switches to identify the On-Off positions

Product	Description	Mounting	Dimensions	Quantity/Card	Cat. No.
	Toggle Switch Cover	15/32 - 32 NS-2B	.93 Height x .62 Base Dia.	2	774020
				100	774020BK†
	Push Button Switch Cover (Clear)	3/8 - 27 NS-2B	.59 Height x .60 Base Dia. x .34 ID	2	774117
				100	774117BK†
	Push Button Switch Cover (Gray)	15/32 - 32 NS-2B	.72 Height x .62 Base Dia. x .42 ID	2	774087
				100	774087BK†
	Indicator Plate	15/32" Diameter	1.03 x .62 Hole Diameter	10	774099
				100	774099BK†

†Bulk Package of 100

Double Insulated Plastic Toggle Switches

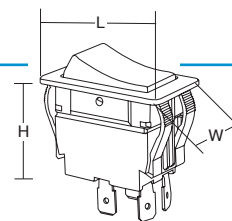
- Great for outdoor, marine/recreational equipment, automotive and weather resistant applications
- Double-insulated with an internal "O" ring design for moisture and dust resistance
- 1/2 in. diameter mounting hole
- Bulk packaging available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating		Dimensions (L" x W" x H")	Cat. No.
						Amps 125 VAC	Amps 250 VAC		
	Double Insulated, Plastic Toggle Switch	SPST	On-Off	Screw	2	20	10	1.37 x .76 x .94	774019
	Double Insulated, Plastic Toggle Switch	SPST	On-Off	Spade	2	20	10	1.37 x .76 x .94	774098
	Double Insulated, Plastic Toggle Switch	SPDT	(On)-Off-(On)	Spade	3	20	10	1.37 x .76 x .94	774004
	Double Insulated, Plastic Toggle Switch	DPDT	(On)-Off-(On)	Spade	6	20	10	1.37 x .76 x .94	774006

Full-Size Rocker Switches

- For commercial appliances, industrial controls, automotive and marine applications
- Moisture- and dust-resistant
- Suitable for low-voltage DC applications
- Recommended .830" × 1.450" mounting hole, .125" panel thickness
- Operating temperature: 32°F to 185°F (0°C to 85°C)
- Bulk packaging available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" × W" × H")	Cat. No.
						Amps 125 VAC	Amps 277 VAC	HP 110-250 VAC		
	Black Rocker Switch	SPST	On-Off	Spade	2	20	15	2	1.70 × .97 × 1.09	774045
	Black Rocker Switch	DPST	(On)-Off	Spade	4	20	15	2	1.70 × .97 × 1.09	774120
	Black Rocker Switch	DPST	On-(Off)	Spade	4	20	15	2	1.70 × .97 × 1.09	774121
	Black Rocker Switch	DPDT	On-On	Spade	6	20	15	2	1.70 × .97 × 1.09	774050
	Black Rocker Switch	DPDT	(On)-On	Spade	6	20	15	2	1.70 × .97 × 1.09	774122
	Black Rocker Switch	DPDT	On-Off-On	Spade	6	20	15	2	1.70 × .97 × 1.09	774040 774040BK†
	Black Rocker Switch	DPDT	(On)-Off-On	Spade	6	20	15	2	1.70 × .97 × 1.09	774123
	Black Rocker Switch***	DPDT	(On)-Off-(On)	Spade	6	15	10*	3/4**	1.70 × .97 × 1.09	774054 774054BK†
	Red Lighted Rocker*** Switch	DPST	On-Off	Spade	4	15	10*	3/4**	1.70 × .97 × 1.09	774056
	Amber Lighted Rocker*** Switch	DPST	On-Off	Spade	4	15	10*	3/4**	1.70 × .97 × 1.09	774055



() Denotes momentary action

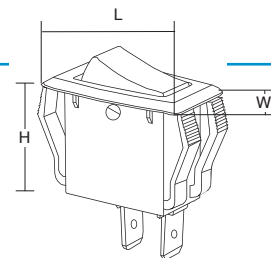
*Amps 250 VAC

**HP 125-250VAC

†Bulk package of 100

Appliance Rocker Switches

- Great for home appliances, computer equipment, automotive and industrial controls
- Appliance Rockers fit standard .55" × 1.12" panel cut outs
- Miniature Rockers fit .520" × .776" panel cut outs
- Plain and lighted versions available
- Operating temperature: 32°F to 185°F (0°C to 85°C)
- Bulk packaging of 100 available upon request



Product	Description	Rocker	Poles	Circuitry	Termination Style	No. of Terminals	Ratings	Dimensions (L" × W" × H")	Cat. No.
	Appliance Rocker Switch	Black	SPST	On-Off	Spade	2	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	1.24 × 68 × .77	774038
			SPDT	On-On	Spade	3			774049
			SPDT	On-Off-On	Spade	3			774049BK†
									774059
									774059BK†
	Appliance Rocker Switch	Red Lighted	SPST	On-Off	Spade	3*	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	1.24 × 68 × .77	774039
		Amber Lighted	SPST	On-Off	Spade	3*	16 Amp 125 VAC, 10 Amp 250 VAC	1.24 × 68 × .77	774060
									774060BK†
	Appliance Rocker Switch**	Visi-Red, Printed On-Off Vertical	SPST	On-Off	Spade	2	16 Amp 125 VAC, 10 Amp 250 VAC, 3/4 HP 125-250 VAC	1.24 × 68 × .72	774047
	Appliance Rocker Switch**	Visi-Red	SPST	On-Off	Spade	2	16 Amp 125 VAC, 10 Amp 250 VAC, 3/4 HP 125-250 VAC	1.24 × 68 × .72	774052
	Miniature Rocker Switch	Red Lighted	SPST	On-Off	Spade	3*	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	.83 × .59 × .50	774048

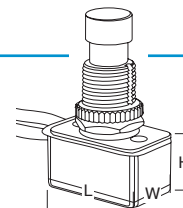
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†Bulk Package of 100

*3rd terminal to power lighted rocker

Push-Button Switches

- Great for household appliances, lamps and motor controls
- Available in normally open, normally closed and standard On-Off circuitry
- Wire leads are #18 AWG, 6" stripped wire
- 1/2 in. diameter mounting hole
- Bulk packaging of 100 available upon request



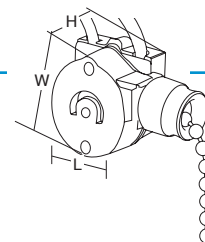
Product	Description	Actuator	Poles	Circuitry	Termination Style	No. of Terminals	Ratings	Dimensions (L" x W" x H")	Cat. No.
	Miniature Push-Button Switch*	Black Plastic	SPST	On-Off	Wire Lead	2	6 Amp 125VAC, 1 Amp 250VAC, 10 Amp 14VDC	.66 x .53 x .32	774082
	Round Body Push-Button Switch**	Black Plastic	SPST NO	(On)-Off	Screw	2	3/4 Amp 125VAC/DC, 1/4 Amp 250VAC/DC	.66 Dia. x 1.89	774083
	Round Body Push-Button Switch**	Black Plastic	SPST NC	On-(Off)	Screw	2	3/4 Amp 125VAC/DC, 1/4 Amp 250VAC/DC	.66 Dia. x 1.89	774084
	Momentary Contact Push-Button Switch	Black Plastic	SPST NO	(On)-Off	Screw	2	6 Amp 120VAC, 3 Amp 240VAC	.88 x .54 x .35	774022
	Momentary Contact Push-Button Switch	Red Plastic	SPST NC	On-(Off)	Screw	2	3 Amps 120VAC, 1.5 Amp 240VAC	.88 x .54 x .35	774023
	Maintained Contact Push-Button Switch	Black Plastic	SPST	On-Off	Wire Leads	2	8 Amp 125VAC/DC, 4 Amp 250VAC/DC, 10 Amp 125VAC, 1/3 HP 125VAC	.98 x .64 x .62	774021
	Maintained Contact Push-Button Switch*	Nickel Plated	SPST	On-Off	Wire Leads	2	6 Amp 125VAC, 3 Amp 250VAC	.97 x .80 x .36	774024
	Maintained Contact Push-Button Switch*	Brass Plated	SPST	On-Off	Wire Leads	2	6 Amp 125VAC, 3 Amp 250VAC	.97 x .80 x .36	774025
	Maintained Contact Push-Button Switch**	Nickel Plated	SPST	On-Off	Screw	2	6 Amp 125VAC/DC, 3 Amp 250VAC/DC	1.18 x .52 x .54	774080
	Maintained Contact Push-Button Switch**	Nickel Plated	SPST	On-Off	Screw	2	15 Amp 125VAC, 10 Amp 250VAC	.92 x .66 x .46	774081
	Momentary Contact Push-Button Switch**	Nickel Plated	SPST NO	(On)-Off	Screw	2	15 Amp 125VAC, 10 Amp 250VAC	1.38 x .58 x .60	774085
	Momentary Contact Push-Button Switch**	Nickel Plated	SPST NC	On-(Off)	Screw	2	15 Amp 125VAC, 10 Amp 250VAC	1.38 x .58 x .60	774085BK†
									774086

**    †Bulk Package of 100

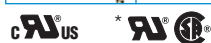
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Lever and Pull Chain Switches

- Use for ceiling fixtures, lamps and fans
- Wire leads are #18 AWG, 6" stripped wire
- Push in connectors for #18 AWG wire
- 13/32 in. diameter mounting hole
- Bulk packaging of 100 available upon request

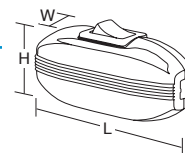


Product	Description	Pull-Chain Color	Poles	Circuitry	Termination Type	Circuit	Rating			Dimensions (L" x W" x H")	Cat. No.
							Amps 125 VAC	Amps 250 VAC	Amps 125 VL		
	All-Angle Lever Switch*	Nickel	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	—	1.50 x 1.28 x .50	774035
	Pull Chain	Nickel	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	3	.92 x .88 x .67	774031
	Pull Chain	Brass	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	3	.92 x .88 x .67	774032
	2-Speed Pull Chain*	Brass	SPDT	Off-On-On	Push-In	3 Pos - 3 Wire	6	3	6	1.43 x 1.25 x .73	774033
	3-Speed Pull Chain*	Brass	SPTT	Off-On-On-On	Push-In	4 Pos - 4 Wire	6	3	—	1.43 x 1.25 x .73	774034
	3-Speed Pull Chain	Brass	SPTT	Off-On(A)-On(B)-On(A+B)	Wire Leads	4 Pos - 3 Wire	6	3	—	.87 x 1.05 x .65	774037



Cord Switches

- Place your lighting controls in a convenient location with a lamp cord toggle switch
- Available in brown or ivory
- Bulk packaging available upon request

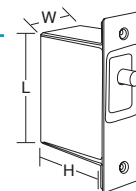


Product	Description	Color	Poles	Circuitry	Termination Style	Ratings	Dimensions (L" x W" x H")	Cat. No.
	Cord Switch	Ivory	SPST	On-Off	Pass Thru	6 Amp 125VAC, 3 Amp 250VAC, 3 Amp 125VT	1.38 x .62 x .73	774072
	Cord Switch	Brown	SPST	On-Off	Pass Thru	6 Amp 125VAC, 3 Amp 250VAC, 3 Amp 125VT	1.38 x .62 x .73	774072BK†
	Cord Toggle Switch	Ivory	SPST	On-Off	Pass Thru	10 Amp 125VAC, 5 Amp 250VAC	2.50 x .83 x 1.28	774074
	Cord Toggle Switch	Brown	SPST	On-Off	Pass Thru	10 Amp 125VAC, 6 Amp 250VAC	2.50 x .83 x 1.28	774074BK†
								774073

†Bulk Package of 100

Door and Slide Switches

- Standard slide switch fits 9/16" x 7/8" opening
- Door switches are great for closets, turning the light on when the door is open and off when it is closed
- Door switch kit comes with metal box, cover plate and mounting hardware

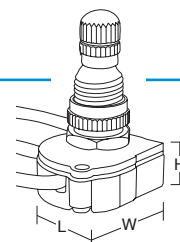


Product	Description	Color	Poles	Circuitry	Termination Style	Ratings	Dimensions (L" x W" x H")	Cat. No.
	Slide Switch	Black Slide	SPST	On-Off	Solder Terminals	10 Amp 125VAC, 5 Amp 250VAC	1.38 x .44 x .30	774051
	AC/DC Door Switch Kit	White Button	SPST	Normally On-(Off)	Wire Leads	10 Amp 1/3 HP 125/250VAC	1.25 x 2.75 x 2.0	774026K 774026KBK†
	Door Replacement Switch	White Button	SPST	Normally On-(Off)	Wire Leads	10 Amp 1/3 HP 125/250VAC	1.17 x .69 x .98	774026

  () Denotes momentary action †Bulk package of 25

Rotary Switches

- Rotary switches are perfect for household appliances, ceiling fixtures and lamps
- Single or three-position switches available
- #18 AWG, 6" stripped wire leads
- Bulk packaging available upon request

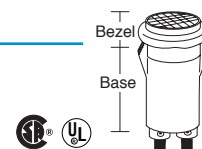


Product	Description	Color	Poles	Circuitry	Termination Style	Ratings	Dimensions (L" x W" x H")	Cat. No.
	Rotary Switch	Black Plastic	SPST	On-Off	Wire Leads	3 Amp 125VAC, 1.5 Amp 250VAC	.60 Dia x .730 overall height	774063B 774063BK†
	Rotary Switch	Brass Plated	SPST	On-Off	Wire Leads	6 Amp 125VAC, 3 Amp 250VAC	.97 x .80 x .39	774061
	3-Way Rotary Switch	Brass Plated	SPTT	Off-On(A)-On(B)-On(A+B)	Wire Leads	6 Amp 125VAC, 3 Amp 250VAC	.86 x 1.03 x .34	774062
	Rotary Switch	Black Plastic	SPST	On-Off	Wire Leads	6 Amp 125VAC, 3 Amp 250VAC	.89 x .79 x .31	774069

†Bulk Package of 100

Flush Indicator Lights

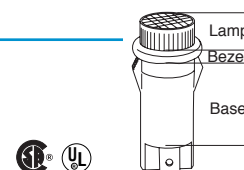
- Nylon body with flush transparent polycarbonate lens and stainless steel bezel
- 6 in. wire leads
- 1/2 in. mounting diameter
- Lamp voltage is AC/DC
- Bulk packaging available upon request



Product	Description	Lens Color	Lamp Voltage	Lamp Type	Termination Style	Height (Base" × Bezel")	Cat. No.
	Flush Indicator Light	Red	14V	Incandescent	6" Wire Leads	.91 × .10	775121*
	Flush Indicator Light	Red	28V	Incandescent	6" Wire Leads	.91 × .10	776121*
	Flush Indicator Light	Red	125V	Neon	6" Wire Leads	.91 × .10	777121*
	Flush Indicator Light	Green	125V	Neon	6" Wire Leads	.91 × .10	777221*
	Flush Indicator Light	Amber	125V	Neon	6" Wire Leads	.91 × .10	777321*

Raised Indicator Lights

- Nylon body with raised transparent polycarbonate lens and stainless steel bezel
- 1/2 in. mounting diameter
- Lamp voltage is AC/DC
- Bulk packaging available upon request



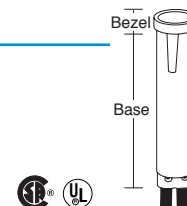
Product	Description	Lens Color	Lamp Voltage	Lamp Type	Termination Style	Height (Base" × Bezel" × Lamp")	Cat. No.
	Raised Indicator Light	Red	14V	Incandescent	6" Wire Leads	.91 × .10 × .20	775111*
	Raised Indicator Light	Red	28V	Incandescent	6" Wire Leads	.91 × .10 × .20	776111*
	Raised Indicator Light	Green	28V	Incandescent	6" Wire Leads	.91 × .10 × .20	776211*
	Raised Indicator Light	Amber	28V	Incandescent	6" Wire Leads	.91 × .10 × .20	776311*
	Raised Indicator Light	Red	125V	Neon	6" Wire Leads	.91 × .10 × .20	777111* 777111BK†
	Raised Indicator Light	Green	125V	Neon	6" Wire Leads	.91 × .10 × .20	777211* 777211BK†
	Raised Indicator Light	Amber	125V	Neon	6" Wire Leads	.91 × .10 × .20	777311*
	Raised Indicator Light	Blue	125V	Neon	6" Wire Leads	.91 × .10 × .20	777411*
	Raised Indicator Light	Clear	125V	Neon	6" Wire Leads	.91 × .10 × .20	777511*
	Raised Indicator Light	Red	250V	Neon	6" Wire Leads	.91 × .10 × .20	778111*
	Raised Indicator Light	Green	250V	Neon	6" Wire Leads	.91 × .10 × .20	778211*
	Raised Indicator Light	Red	28V	Incandescent	.187" Spade	1.09 × .10 × .20	776112
	Raised Indicator Light	Red	125V	Neon	.187" Spade	1.09 × .10 × .20	777112
	Raised Indicator Light	Green	125V	Neon	.187" Spade	1.09 × .10 × .20	777212

*VDE certified

†Bulk Package of 100

Miniature Indicator Lights

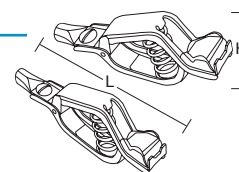
- Nylon body with flush transparent polycarbonate lens
- 6 in. wire leads
- 5/16 in. mounting diameter
- Lamp voltage is AC/DC
- Bulk packaging available upon request



Product	Description	Lens Color	Lamp Voltage	Lamp Type	Termination Style	Height (Base" x Bezel")	Cat. No.
	Miniature Indicator Light	Red	125V	Neon	6" Wire Leads	1.43 x .13	777131
	Miniature Indicator Light	Green	125V	Neon	6" Wire Leads	1.43 x .13	777231
	Miniature Indicator Light	Amber	125V	Neon	6" Wire Leads	1.43 x .13	777331

Battery Clips

- Great for testing and many other electrical applications
- Insulated grips are color-coded for positive (red) and negative (black) identification
- For screw and/or crimp connections

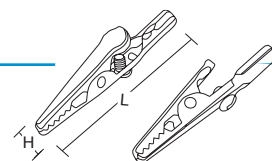


Product	Description	Amps	Dimensions (L" x H")	Jaw Opening	Wire Diameter	Quantity	Cat. No.
	Miniature General Purpose Clip	5	1-17/32 x 15/32	5/16"	9/64"	2	770218L
	General Purpose Clip	10	2 x 5/8	1/2"	3/16"	1 Red/1 Black	170207L
	Test and Battery Clip	20	2-1/2 x 5/8	5/8"	3/16"	1 Red/1 Black	170208L
	Test and Battery Clip	30	2-1/2 x 5/8	5/8"	3/16"	1 Red/1 Black	170209L
	Copper Test & Battery Clips*	40	2-7/16 x 11/16	5/8"	3/16"	2	770217L
	Copper Test & Battery Clips*	75	3 x 15/16	3/4"	9/32"	2	770216L
	Copper Test & Battery Clips*	100	4-7/64 x 19/16	1-1/16"	11/30"	2	770215L
	Insulated Grips for 770217L	—	3-1/2 x 3/4 ID	—	—	1 Red/1 Black	770223L
	Insulated Grips for 770216L	—	3-7/8 x 11/64 ID	—	—	1 Red/1 Black	770219L
	Insulated Grips for 770215L	—	5 x 1-13/32 ID	—	—	1 Red/1 Black	770221L

*Insulators sold separately

Alligator Clips

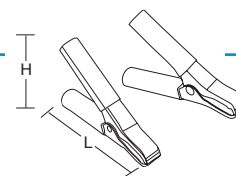
- Great for temporary connections, testing wires and troubleshooting projects
- Spring-loaded, grab-tight jaws make these clips quick and easy-to-use
- For screw and/or crimp connections



Product	Description	Amps	Dimensions (L" × H")	Jaw Opening	Wire Gauge	Quantity	Cat. No.
	Non-Insulated	—	2 × 7/16	5/16"	#22 - #14	4	770200L
	Insulated Barrel	—	2-1/2 × 7/16	5/16"	#22 - #14	1 Red/1 Black	770204L
	Fully Insulated	—	2-1/2 × 7/16	5/16"	#22 - #14	1 Red/1 Black	770205L

Plier-Type Battery Clamps

- Great for battery charging and test equipment
- Insulated grips are color-coded for positive (red) and negative (black) identification
- For crimp or solder connections



Product	Description	Amps	Dimensions (L" × H")	Jaw Opening	Wire Dia.	Quantity	Cat. No.
	Plier-Type Battery Clip, Steel	50	2-7/8 x 2	1-1/8"	9/32"	1 Red/1 Black	770213L
	Plier-Type Battery Clip, Copper	75	2-7/8 x 2	1-1/8"	9/32"	1 Red/1 Black	770212L
	Plier-Type Battery Clip, Copper	400	6 x 4-1/2	1-9/16"	9/16"	1 Red/1 Black	770225L

NM Cable Connectors

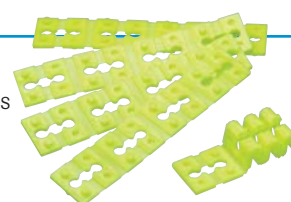
- Unique snap-in detents hold fitting firmly in place – eliminates the need for screws, lock nuts or clamps
- UL Listed and CSA Certified for 14/2, 14/3, 12/2, 12/3, 10/2, 10/3 and for double-runs of 14/2 and 12/2 NM sheathed cable



Description	Quantity	Cat. No.
12 in. NM Cable Connector	100	1050

Spacer Shims

- Eliminates the need to cut plate screws for "GFCI" decorator devices when installing on tile, marble, etc.
- Supports loose outlets
- Prevents broken face plates
- Snaps over #6, #8, #10 screws
- Also works as a shim



Description	Quantity	Cat. No.
Caterpillar	5	772450
Caterpillar	25	172451
Caterpillar	500	772451

Flange-Type Plastic Anchors



- Multi-purpose use in solid materials or hollow walls, will not fall through
- For use with sheet-metal or wood screws
- High-impact plastic construction resists moisture, corrosion and deterioration

Description	Screw Size	Drill Size (In.)	Quantity	Cat. No.
Yellow – 7/8 in. long	6-8-10	3/16	100	90-041
Red – 1 in. long	10-12	1/4	100	90-042
White – 1-1/2 in. long	14-16	5/16	50	90-044

Flange-Type Plastic Anchor Kits

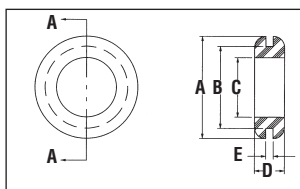


- Kits include flange-type anchors, slotted/Phillips head screws and masonry bit
- Convenient plastic storage container

Contents	Cat. No.
100 # 6-8-10 x 7/8 in. Flange-type anchors, 100 # 8 x 1 in. combo-head, sheet-metal screws & 1-3/16 in. masonry bit (carbide-tipped)	90-051
100 # 10-12 x 1 in. Flange-type anchors, 100 # 10 x 1-1/4 in. combo-head, sheet-metal screws & 1-1/4 in. masonry bit (carbide-tipped)	90-052
100 # 10-12 x 1 in. Flange-type anchors, 100 # 12 x 1 in. combo-head, sheet-metal screws & 1-1/4 in. masonry bit (carbide-tipped)	90-053
40 # 14-16 x 1-1/2 in. Flange-type anchors, 40 # 14 x 1-1/2 in. combo-head, sheet-metal screws 1-5/16 in. masonry bit (carbide-tipped)	90-054
100 # 10-12 x 1 in. Flange-type anchors, 100 # 10 x 1 in. combo-head, sheet-metal screws & 1-1/4 in. masonry bit (carbide-tipped)	90-055

Grommets*

- Installs instantly! Flexible PVC grommets side slotted 1/16" for quick installation
- Snap into holes in electrical boxes, sheet metal, auto firewalls and more
- Prevents steel and other sharp edge chafing of wire insulation or cording
- Black, PVC, flexible, 60 durometer



Description	A	B	C	D	E	Quantity	Cat. No.
1/4" Grommets	9/16	.37	1/4	.28	3/32	6	774114
1/4" Grommets	9/16	.37	1/4	.28	3/32	25	774116
1/4" Grommets	9/16	.37	1/4	.28	3/32	1,000	774114BK
3/8" Grommets	43/64	.49	3/8	.28	1/16	5	774138
3/8" Grommets	43/64	.49	3/8	.28	1/16	25	774137
1/2" Grommets	55/64	.69	1/2	.25	1/16	4	774112
1/2" Grommets	55/64	.69	1/2	.25	1/16	25	774113
3/4" Grommets	15/64	1.0	3/4	.31	1/16	3	774134
3/4" Grommets	15/64	1.0	3/4	.31	1/16	25	774136

*Buchanan branded

Wire Marker Booklets*

- Self-sticking on wire and cable
- Perforated 1/4" x 1-1/2" markers
- For applications above or below ground
- Resists abrasion, moisture, dirt and oil
- Non-smear black legend ensures high visibility

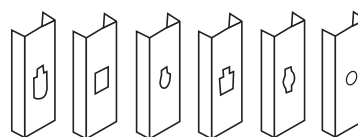
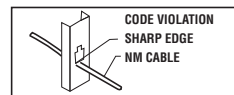
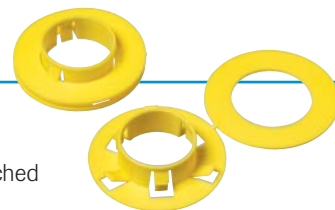


Legend	Quantity	Cat. No.
0-9	45	775101
A-Z, 0-15, +, -, /	10	775102
1-45	10	775103
46-90	10	775104

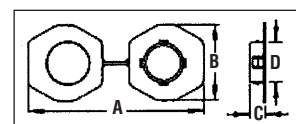
*Buchanan branded

Universal Metal Stud Bushings

- Non-metallic stud bushing fits all hole configurations you are likely to encounter in pre-punched steel studs
- Long pulls of cable slide smoothly through the bushing, make a difficult job easier
- Protects wire without falling out of the hole



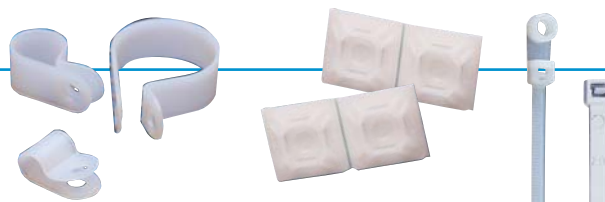
Common hole configurations in metal studs.



Description	A	B	C	D	Quantity	Cat. No.
Stud Bushing	5.670	2.50	.505	1.30	25	772271

Multi-Purpose Cable Ties

- General purpose cable tie for every day bundling and cable management
- UL recognized



Size	Color	Tensile Strength (lbs.)	Pkg. Qty.	Cat. No.
Miniature Ties				
4"	Natural	18	100	B-4-18-9-C
4"	Natural	18	1000	B-4-18-9-M
4"	UV Black	18	100	B-4-18-0-C
4"	UV Black	18	1000	B-4-18-0-M
8"	Natural	18	100	B-8-18-9-C
8"	UV Black	18	100	B-8-18-0-C
Intermediate Ties				
6"	Natural	40	100	B-6-40-9-C
6"	Natural	40	1000	B-6-40-9-M
6"	UV Black	40	100	B-6-40-0-C
6"	UV Black	40	1000	B-6-40-0-M
11"	Natural	40	100	B-11-40-9-C
11"	UV Black	40	100	B-11-40-0-C
Standard Ties				
8"	Natural	50	100	B-8-50-9-C
8"	Natural	50	500	B-8-50-9-D
8"	Natural	50	1000	B-8-50-9-M
8"	UV Black	50	100	B-8-50-0-C
8"	UV Black	50	1000	B-8-50-0-M
8"	Red	50	100	B-8-50-2-C
8"	Green	50	100	B-8-50-5-C
11"	Natural	50	100	B-11-50-9-C
11"	Natural	50	300	B-11-50-9-300
11"	Natural	50	500	B-11-50-9-D
11"	UV Black	50	100	B-11-50-0-C
11"	UV Black	50	500	B-11-50-0-D
14"	Natural	50	100	B-14-50-9-C
14"	Natural	50	500	B-14-50-9-D
14"	UV Black	50	100	B-14-50-0-C
14"	UV Black	50	500	B-14-50-0-D
Heavy-Duty Ties				
11"	Natural	120	100	B-11-120-9-C
11"	UV Black	120	100	B-11-120-0-C
14"	Natural	120	50	B-14-120-9-L
14"	UV Black	120	50	B-14-120-0-L
17"	Natural	175	50	B-17-175-9-L
17"	UV Black	175	50	B-17-175-0-L
21"	Natural	175	50	B-21-175-9-L
21"	UV Black	175	50	B-21-175-0-L
24"	Natural	175	50	B-24-175-9-L
24"	UV Black	175	50	B-24-175-0-L
30"	Natural	175	50	B-30-175-9-L
30"	UV Black	175	50	B-30-175-0-L
36"	UV Black	175	50	B-36-175-0-L
36"	Natural	175	50	B-36-175-9-L
48"	Natural	175	50	B-48-175-9-L
48"	UV Black	175	50	B-48-175-0-L

Size	Color	Tensile Strength (lbs.)	Pkg. Qty.	Cat. No.
Assorted Cable Tie Packages				
B-AST-4811-9-7C Includes:				
4"	Natural	18	200	B-4-18-9-C
8"	Natural	50	300	B-8-50-9-C
11"	Natural	50	200	B-11-50-9-C
B-ASST-650C Cannister Includes:				
4"	Assorted	18	200	—
4"	Natural	18	100	B-4-18-9-C
8"	Natural	50	300	B-8-50-9-C
11"	Natural	50	50	B-11-50-9-C
B-ASST-500C Cannister Includes:				
4"	Natural	18	200	B-4-18-9-C
6"	Natural	40	100	B-6-40-9-C
8"	Natural	50	200	B-8-50-9-C
B-AST-48-0-200 Tube Includes:				
4"	UV Black	18	100	B-4-18-0-C
8"	UV Black	50	100	B-8-50-0-C
B-AST-48-9-200 Tube Includes:				
4"	Natural	18	100	B-4-18-9-C
8"	Natural	50	100	B-8-50-9-C
Mounting Ties				
6"	Natural	30	100	B-6-30MT-9-C
8"	Natural	50	100	B-8-50MT-9-C
8"	UV Black	50	100	B-8-50MT-0-C
14"	Natural	50	100	B-14-50MT-9-C
14"	UV Black	50	100	B-14-50MT-0-C
Mounting Pads				
3/4" x 3/4"	Natural	N/A	100	BMP-750-9-C
3/4" x 3/4"	UV Black	N/A	100	BMP-750-0-C
1" x 1"	Natural	N/A	100	BMP-1000-9-C
1" x 1"	UV Black	N/A	100	BMP-1000-0-C
Cable Clamps				
1/8"	Natural	N/A	100	BCCL-125-9-C
1/4"	Natural	N/A	100	BCCL-250-9-C
3/8"	Natural	N/A	100	BCCL-375-9-C
1/2"	Natural	N/A	100	BCCL-500-9-C
Installation Tools				
Tighten-n-Trim Cable Tie Tool			BCTT-100	
Standard Cable Tie Tool			BCTT-200	

How to Select Resurfacer Grade

Small Motor and Pocket Resurfacers

Grade code letters designate the following grade combinations:

- | | |
|------------------------|------------------------|
| A Medium/Finish | G Coarse/Medium |
| B Coarse/Finish | H Medium/Polish |
| D Finish/Polish | |

All Other Resurfacers

Resurfacers for commutators and copper-alloy slip rings are made in five grades:

- X** Extra coarse—very fast cutting, for “hogging” off excessive copper
- C** Coarse—fast cutting
- M** Medium—for general use, high mica, small ridges and burns
- F** Finish—for use after the three grades above, for periodic application and for removing small burns and ridges immediately after their appearance
- P** Polish—very fine grade (220 aggregate grain) for burnish finish

For all resurfacers, specify grade by adding the appropriate letter as a suffix to the catalog number. (Example: 80-475M for medium grade.)

How to Select Resurfacer Size

Size is always written length x width x thickness (working face area x depth of stone). For handle types, the handle is mounted parallel to the first dimension. Always use a resurfacer with the largest face possible (length x width). Thickness should be governed by clearance around commutator or ring.

Commutator Resurfacers

The resurfacer should have a width of approximately 3/4 the length of the commutator bar and as long as will conveniently go between the brush riggings. For periodic application, three or four sizes are generally sufficient. After determining approximate dimensions, select nearest standard size and type.

Slip Ring Resurfacers

When space permits, use a resurfacer about 1 in. wider than the face width of the ring. Length should be at least three times greater than the longest flat spot to bridge over and ensure a true ring.

Small Motor-Type Resurfacer

- Different grades of stone on each end
- 10 in. handle
- For use on small fractional horsepower motors

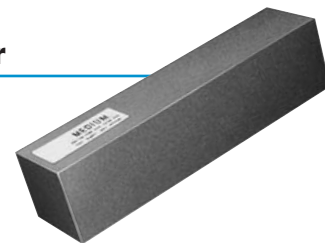
Size (Inches)	Grades	Cat. No.
3/4 x 1/2 x 3/8	A, B, D, G, H	80-012*

*Add grade letter suffix to Cat. No. Please allow 2-3 weeks for delivery.



Tool-Type Resurfacer

- For use in lathe-turning device
- Two resurfacers required for each grinder

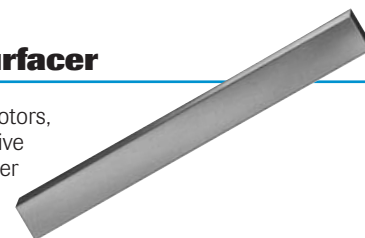


Sizes (Inches)	Grades	Cat. No.
3/4 x 3/4 x 3	C, M, F, P	80-504*
1 x 1-1/2 x 6-1/2		80-454*
1 x 2 x 8		80-461*
2 x 2 x 8		80-475*

*Add grade letter suffix to Cat. No. Please allow 2-3 weeks for delivery.

Pencil-Type Resurfacer

- For use on fans, signal motors, auto generators, locomotive headlight motors and other fractional horsepower motors



Size (Inches)	Grades	Cat. No.
5/8 x 3/8 x 6	C, M, F, P	80-075*

*Add grade letter suffix to Cat. No. Please allow 2-3 weeks for delivery.

Tramway-Handle Resurfacer

- Handle shaped to ensure secure grip
- 10-1/2 in. handle permanently mounted at 45° angle

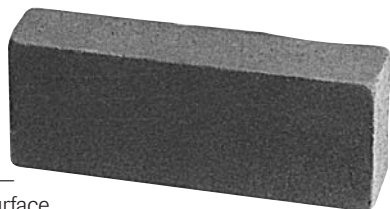


Sizes (Inches)	Grades	Cat. No.
2 x 1-1/2 x 2	C, M, F, P	80-255*
2 x 2 x 2		80-265*

*Add grade letter suffix to Cat. No. Please allow 2-3 weeks for delivery.

Powr-Polish™ Flexible Abrasive

- Fine-grain, non-dusting abrasive held together by a flexible bond
- Serves as both commutator cleaner and burnisher
- Removes dirt and grease—imparts super-finished surface
- Non-conductive and non-loading



Sizes (Inches)	Cat. No.
3/8 x 1/2 x 5	82-001
3/8 x 3/4 x 5	82-002
5/8 x 1 x 5	82-003
1 x 2 x 5	82-004
1 x 4 x 5	82-005
1/8 x 1 x 5	82-006

Please allow 2-3 weeks for delivery.

Commutator Smoothie® Resurfacing Tool



- Designed to smooth commutators of auto generators, starting motors and other similar equipment
- 8-1/2 in. plastic handle with a 5/16 in. x 7/8 in. x 11/16 in. resurfer on each end
- Features one polish-grade and one finish-grade resurfer
- Bent handle reaches into any motor frame
- Non-conductive for user safety

Description	Cat. No.
Commutator Smoothie® Resurfacing Tool	80-033

Please allow 2-3 weeks for delivery.

Brush Seater and Commutator Cleaner



- Gentle acting abrasive for seating carbon brushes and cleaning commutators and slip rings
- Soft, loosely bound grain produces a scouring effect when held against commutator
- Will not remove or scratch copper
- Self-cleaning
- Available in soft(S), medium(M) and hard(H) grades

Sizes (Inches)	Grades	Cat. No.
1/4 x 1/4 x 4-3/4	M, H	23-001*
1/2 x 1/4 x 4-3/4	M, H	23-002*
3/8 x 3/8 x 4-3/4	M, H	23-003*
1/2 x 3/8 x 4-3/4	S, M, H	23-004*
1/2 x 1/2 x 4-3/4	S, M, H	23-005*
5/8 x 1/2 x 4-3/4	S, M, H	23-006*
3/4 x 1/2 x 4-3/4	S, M, H	23-007*
1-1/8 x 5/8 x 4-3/4	S, M, H	23-008*
1/2 x 1 x 4-3/4	S, M, H	23-027*
1 x 1 x 4-3/4	—	23-035S
2 x 1 x 4-3/4	—	23-036S
3 x 2 x 4	—	23-039S
3 x 2 x 6	—	23-041S
3 x 2 x 8	—	23-042S

*Add grade letter suffix to Cat. No.

Please allow 2-3 weeks for delivery.

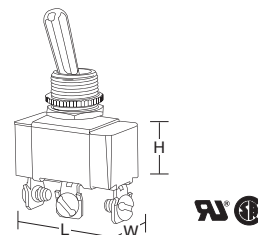


Supplies



Standard and Heavy-Duty Toggle Switches

- Great for power tool and motor control switch applications
- Rugged long-wearing solid brass/nickel-plated bushings
- 1/2 in. diameter mounting hole
- Dielectric Strength: 1500V
- Mechanical Life: 100,000 cycles
- Operating Temperature: 32°F to 185°F (0°C to 85°C)
- DC Rating: Factory tested 100,000 cycles to 21 Amp 14.8 VDC
- Bulk packaging of 100 available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" x W" x H")	Cat. No.
						Amps 125 VAC	Amps 277 VAC	HP 125-250 VAC		
	Toggle Switch with On-Off Faceplate	SPST	On-Off	Screw	2	20	10	3/4	1.13 x .57 x .61	774011 774011BK†
	Toggle Switch with On-Off Faceplate	SPST	On-Off	Spade	2	20	10	3/4	1.13 x .57 x .61	774008 774008BK†
	Toggle Switch	SPST	On-Off	"O" Ring & Screw	2	20	10	3/4	1.13 x .57 x .61	774010
	Toggle Switch	SPST	(On)-Off	Screw	2	20	10	3/4	1.13 x .57 x .61	774093
	Toggle Switch	SPST	On-(Off)	Screw	2	20	10	3/4	1.13 x .57 x .61	774088 774088BK†
	Toggle Switch w/boot	SPST	On-Off	Wire leads w/boot	2	20	20	1-1/2	1.18 x .68 x .75	774111 774111BK†
	Toggle Switch	SPDT	On-On	Screw	3	20	10	3/4	1.13 x .57 x .61	774012
	Toggle Switch	SPDT	On-On	Spade	3	20	10	3/4	1.13 x .57 x .61	774100
	Toggle Switch	SPDT	On-Off-On	Screw	3	20	10	3/4	1.13 x .57 x .61	774013
	Toggle Switch	SPDT	On-Off-On	Spade	3	20	10	3/4	1.13 x .57 x .61	774027
	Toggle Switch	SPDT	On-Off-(On)	Screw	3	20	10	3/4	1.13 x .57 x .61	774094
	Toggle Switch	SPDT	(On)-Off-(On)	Screw	3	20	10	3/4	1.13 x .57 x .61	774009
	Heavy-Duty Toggle Switch	DPST	On-Off	Screw	4	20	10	1-1/2	1.30 x .76 x .80	774014 774014BK†
	Heavy-Duty Toggle Switch	DPST	On-Off	Spade	4	20	10	1-1/2	1.30 x .76 x .80	774005 774005BK†
	Heavy-Duty Toggle Switch	DPST	(On)-Off	Screw	4	20	10	1-1/2	1.30 x .76 x .80	774103
	Heavy-Duty Toggle Switch	DPST	On-(Off)	Screw	4	20	10	1-1/2	1.30 x .76 x .80	774105

() denotes momentary action

†Bulk Package of 100

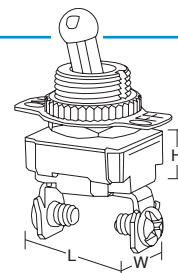
Standard and Heavy-Duty Toggle Switches

Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" × W" × H")	Cat. No.
						Amps 125 VAC	Amps 277 VAC	HP 125-250 VAC		
	Heavy-Duty Toggle Switch	DPDT	On-On	Screw	6	20	10	1-1/2	1.30 × .76 × .80	774015
										774015BK†
	Heavy-Duty Toggle Switch	DPDT	On-On	Spade	6	20	10	1-1/2	1.30 × .76 × .80	774091
										774091BK†
	Heavy-Duty Toggle Switch	DPDT	(On)-On	Screw	6	20	10	1-1/2	1.30 × .76 × .80	774028
										774028BK†
	Heavy-Duty Toggle Switch	DPDT	On-Off-On	Screw	6	20	10	1-1/2	1.30 × .76 × .80	774016
										774003
	Toggle Switch	3PST	On-Off	Screw	6	15	10*	3/4	1.31 × 1.09 × .80	774106
	Toggle Switch	3PDT	On-On	Screw	9	15	10*	3/4	1.31 × 1.09 × .80	774089
										774089BK†
	Toggle Switch	3PDT	On-Off-On	Screw	9	15	10*	3/4	1.31 × 1.09 × .80	774092
	Toggle Switch	4PST	On-Off	Screw	8	15	10*	3/4	1.31 × 1.44 × .80	774108
	Toggle Switch	4PDT	On-On	Screw	12	15	10*	3/4	1.31 × 1.44 × .80	774109
	Toggle Switch	4PDT	On-Off-On	Screw	12	15	10*	3/4	1.31 × 1.44 × .80	774110

*250VAC, Dielectric strength: 1000V () denotes momentary action †Bulk Package of 100

Medium and Light-Duty Toggle Switches

- Great for household appliances and equipment
- Bat toggle switch, 774007, is ideal for battery-powered equipment including trimmers and lawn mowers
- Wire leads are #18 AWG, 6" stripped wire
- 1/2 in. diameter mounting hole
- Bulk packaging available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating	Dimensions (L" x W" x H")	Cat. No.
	Bat Toggle with On-Off Faceplate	SPST	On-Off	Screw	2	6 Amps 120 VAC, 3 Amps 240 VAC	.69 x .55 x .34	774017
	Bat Toggle with On-Off Faceplate	SPST	On-Off	Wire Leads	2	4 Amps 250VAC/DC, 8 Amps 125VAC/DC, 10 Amps 125 VAC, 1/2 HP 125 VAC	.98 x .64 x .62	774017BK†
	Bat Toggle*	SPST	On-Term Ground	Spade	1	21 Amps 14 VDC	.69 x .55 x .34	774007
	Short Ball Toggle Switch	SPST	On-Off	Screw	2	6 Amps 120 VAC, 3 Amps 240 VAC	.69 x .55 x .34	774001
	Short Ball Toggle Switch	SPST	On-Off	Wire Leads	2	6 Amps 125 VAC, 3 Amps 250 VAC	.89 x .47 x .55	774002
								774002BK†

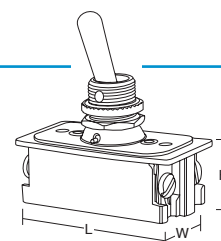


†Bulk Package of 100

*DC rating not CSA or RU listed

Extra Heavy-Duty AC/DC Toggle Switches

- The switch that can handle your heavy-duty requirements
- Quick-make/quick-break type switches are ideal for DC voltage applications
- Perfect for industrial motor control, with its sturdy metal construction and stiff actuation force, it will withstand the abuses of virtually any application
- Bulk packaging of 100 available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" x W" x H")	Cat. No.
						Amps 125V	Amps 250V	HP 125-250V		
	Heavy-Duty Toggle Switch	SPST	On-Off	Screw	2	16	8	1	1.75 x .84 x .76	774095
	Heavy-Duty Toggle Switch	DPST	On-Off	Screw	4	16	8	1	1.75 x .84 x .76	774095BK†
	Heavy-Duty Toggle Switch	DPST	On-Off	Screw	4	20	10	1-1/2	2.09 x 1.00 x .90	774097



†Bulk Package of 100

Toggle Switch Accessories

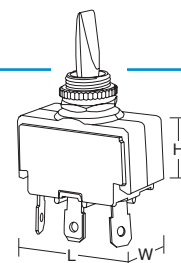
- These neoprene covers are great for outdoor and other environmentally tough conditions. They screw onto toggle switches to protect switches from moisture, dust and dirt.
- Nickel indicator plate fits easily on most toggle switches to identify the On-Off positions

Product	Description	Mounting	Dimensions	Quantity/Card	Cat. No.
	Toggle Switch Cover	15/32 - 32 NS-2B	.93 Height x .62 Base Dia.	2	774020
				100	774020BK†
	Push Button Switch Cover (Clear)	3/8 - 27 NS-2B	.59 Height x .60 Base Dia. x .34 ID	2	774117
				100	774117BK†
	Push Button Switch Cover (Gray)	15/32 - 32 NS-2B	.72 Height x .62 Base Dia. x .42 ID	2	774087
				100	774087BK†
	Indicator Plate	15/32" Diameter	1.03 x .62 Hole Diameter	10	774099
				100	774099BK†

†Bulk Package of 100

Double Insulated Plastic Toggle Switches

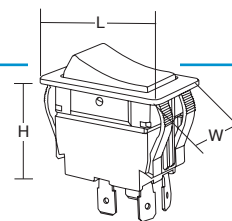
- Great for outdoor, marine/recreational equipment, automotive and weather resistant applications
- Double-insulated with an internal "O" ring design for moisture and dust resistance
- 1/2 in. diameter mounting hole
- Bulk packaging available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating		Dimensions (L" x W" x H")	Cat. No.
						Amps 125 VAC	Amps 250 VAC		
	Double Insulated, Plastic Toggle Switch	SPST	On-Off	Screw	2	20	10	1.37 x .76 x .94	774019
	Double Insulated, Plastic Toggle Switch	SPST	On-Off	Spade	2	20	10	1.37 x .76 x .94	774098
	Double Insulated, Plastic Toggle Switch	SPDT	(On)-Off-(On)	Spade	3	20	10	1.37 x .76 x .94	774004
	Double Insulated, Plastic Toggle Switch	DPDT	(On)-Off-(On)	Spade	6	20	10	1.37 x .76 x .94	774006

Full-Size Rocker Switches

- For commercial appliances, industrial controls, automotive and marine applications
- Moisture- and dust-resistant
- Suitable for low-voltage DC applications
- Recommended .830" × 1.450" mounting hole, .125" panel thickness
- Operating temperature: 32°F to 185°F (0°C to 85°C)
- Bulk packaging available upon request



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" × W" × H")	Cat. No.
						Amps 125 VAC	Amps 277 VAC	HP 110-250 VAC		
	Black Rocker Switch	SPST	On-Off	Spade	2	20	15	2	1.70 × .97 × 1.09	774045
	Black Rocker Switch	DPST	(On)-Off	Spade	4	20	15	2	1.70 × .97 × 1.09	774120
	Black Rocker Switch	DPST	On-(Off)	Spade	4	20	15	2	1.70 × .97 × 1.09	774121
	Black Rocker Switch	DPDT	On-On	Spade	6	20	15	2	1.70 × .97 × 1.09	774050
	Black Rocker Switch	DPDT	(On)-On	Spade	6	20	15	2	1.70 × .97 × 1.09	774122
	Black Rocker Switch	DPDT	On-Off-On	Spade	6	20	15	2	1.70 × .97 × 1.09	774040
	Black Rocker Switch	DPDT	(On)-Off-On	Spade	6	20	15	2	1.70 × .97 × 1.09	774123
	Black Rocker Switch***	DPDT	(On)-Off-(On)	Spade	6	15	10*	3/4**	1.70 × .97 × 1.09	774054
										774054BK†
	Red Lighted Rocker*** Switch	DPST	On-Off	Spade	4	15	10*	3/4**	1.70 × .97 × 1.09	774056
	Amber Lighted Rocker*** Switch	DPST	On-Off	Spade	4	15	10*	3/4**	1.70 × .97 × 1.09	774055



() Denotes momentary action

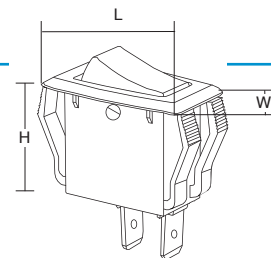
*Amps 250 VAC

**HP 125-250VAC

†Bulk package of 100

Appliance Rocker Switches

- Great for home appliances, computer equipment, automotive and industrial controls
- Appliance Rockers fit standard .55" × 1.12" panel cut outs
- Miniature Rockers fit .520" × .776" panel cut outs
- Plain and lighted versions available
- Operating temperature: 32°F to 185°F (0°C to 85°C)
- Bulk packaging of 100 available upon request



Product	Description	Rocker	Poles	Circuitry	Termination Style	No. of Terminals	Ratings	Dimensions (L" × W" × H")	Cat. No.
	Appliance Rocker Switch	Black	SPST	On-Off	Spade	2	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	1.24 × 68 × .77	774038
			SPDT	On-On	Spade	3			774049
			SPDT	On-Off-On	Spade	3			774049BK†
									774059
									774059BK†
	Appliance Rocker Switch	Red Lighted	SPST	On-Off	Spade	3*	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	1.24 × 68 × .77	774039
		Amber Lighted	SPST	On-Off	Spade	3*	16 Amp 125 VAC, 10 Amp 250 VAC	1.24 × 68 × .77	774060
									774060BK†
	Appliance Rocker Switch**	Visi-Red, Printed On-Off Vertical	SPST	On-Off	Spade	2	16 Amp 125 VAC, 10 Amp 250 VAC, 3/4 HP 125-250 VAC	1.24 × 68 × .72	774047
	Appliance Rocker Switch**	Visi-Red	SPST	On-Off	Spade	2	16 Amp 125 VAC, 10 Amp 250 VAC, 3/4 HP 125-250 VAC	1.24 × 68 × .72	774052
	Miniature Rocker Switch	Red Lighted	SPST	On-Off	Spade	3*	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	.83 × .59 × .50	774048

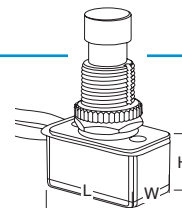
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†Bulk Package of 100

*3rd terminal to power lighted rocker

Push-Button Switches

- Great for household appliances, lamps and motor controls
- Available in normally open, normally closed and standard On-Off circuitry
- Wire leads are #18 AWG, 6" stripped wire
- 1/2 in. diameter mounting hole
- Bulk packaging of 100 available upon request



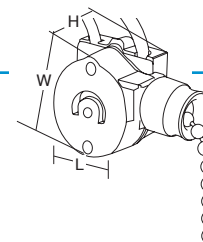
Product	Description	Actuator	Poles	Circuitry	Termination Style	No. of Terminals	Ratings	Dimensions (L" x W" x H")	Cat. No.
	Miniature Push-Button Switch*	Black Plastic	SPST	On-Off	Wire Lead	2	6 Amp 125VAC, 1 Amp 250VAC, 10 Amp 14VDC	.66 x .53 x .32	774082
	Round Body Push-Button Switch**	Black Plastic	SPST NO	(On)-Off	Screw	2	3/4 Amp 125VAC/DC, 1/4 Amp 250VAC/DC	.66 Dia. x 1.89	774083
	Round Body Push-Button Switch**	Black Plastic	SPST NC	On-(Off)	Screw	2	3/4 Amp 125VAC/DC, 1/4 Amp 250VAC/DC	.66 Dia. x 1.89	774084
	Momentary Contact Push-Button Switch	Black Plastic	SPST NO	(On)-Off	Screw	2	6 Amp 120VAC, 3 Amp 240VAC	.88 x .54 x .35	774022
	Momentary Contact Push-Button Switch	Red Plastic	SPST NC	On-(Off)	Screw	2	3 Amps 120VAC, 1.5 Amp 240VAC	.88 x .54 x .35	774023
	Maintained Contact Push-Button Switch	Black Plastic	SPST	On-Off	Wire Leads	2	8 Amp 125VAC/DC, 4 Amp 250VAC/DC, 10 Amp 125VAC, 1/3 HP 125VAC	.98 x .64 x .62	774021
	Maintained Contact Push-Button Switch*	Nickel Plated	SPST	On-Off	Wire Leads	2	6 Amp 125VAC, 3 Amp 250VAC	.97 x .80 x .36	774024
	Maintained Contact Push-Button Switch*	Brass Plated	SPST	On-Off	Wire Leads	2	6 Amp 125VAC, 3 Amp 250VAC	.97 x .80 x .36	774025
	Maintained Contact Push-Button Switch**	Nickel Plated	SPST	On-Off	Screw	2	6 Amp 125VAC/DC, 3 Amp 250VAC/DC	1.18 x .52 x .54	774080
	Maintained Contact Push-Button Switch**	Nickel Plated	SPST	On-Off	Screw	2	15 Amp 125VAC, 10 Amp 250VAC	.92 x .66 x .46	774081
	Momentary Contact Push-Button Switch**	Nickel Plated	SPST NO	(On)-Off	Screw	2	15 Amp 125VAC, 10 Amp 250VAC	1.38 x .58 x .60	774085
	Momentary Contact Push-Button Switch**	Nickel Plated	SPST NC	On-(Off)	Screw	2	15 Amp 125VAC, 10 Amp 250VAC	1.38 x .58 x .60	774085BK†
									774086

**    †Bulk Package of 100

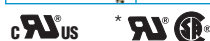
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Lever and Pull Chain Switches

- Use for ceiling fixtures, lamps and fans
- Wire leads are #18 AWG, 6" stripped wire
- Push in connectors for #18 AWG wire
- 13/32 in. diameter mounting hole
- Bulk packaging of 100 available upon request

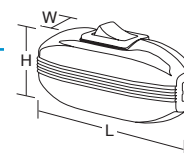


Product	Description	Pull-Chain Color	Poles	Circuitry	Termination Type	Circuit	Rating			Dimensions (L" x W" x H")	Cat. No.
							Amps 125 VAC	Amps 250 VAC	Amps 125 VL		
	All-Angle Lever Switch*	Nickel	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	—	1.50 x 1.28 x .50	774035
	Pull Chain	Nickel	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	3	.92 x .88 x .67	774031
	Pull Chain	Brass	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	3	.92 x .88 x .67	774032
	2-Speed Pull Chain*	Brass	SPDT	Off-On-On	Push-In	3 Pos - 3 Wire	6	3	6	1.43 x 1.25 x .73	774033
	3-Speed Pull Chain*	Brass	SPTT	Off-On-On-On	Push-In	4 Pos - 4 Wire	6	3	—	1.43 x 1.25 x .73	774034
	3-Speed Pull Chain	Brass	SPTT	Off-On(A)-On(B)-On(A+B)	Wire Leads	4 Pos - 3 Wire	6	3	—	.87 x 1.05 x .65	774037



Cord Switches

- Place your lighting controls in a convenient location with a lamp cord toggle switch
- Available in brown or ivory
- Bulk packaging available upon request

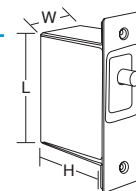


Product	Description	Color	Poles	Circuitry	Termination Style	Ratings	Dimensions (L" x W" x H")	Cat. No.
	Cord Switch	Ivory	SPST	On-Off	Pass Thru	6 Amp 125VAC, 3 Amp 250VAC, 3 Amp 125VT	1.38 x .62 x .73	774072
	Cord Switch	Brown	SPST	On-Off	Pass Thru	6 Amp 125VAC, 3 Amp 250VAC, 3 Amp 125VT	1.38 x .62 x .73	774071
	Cord Toggle Switch	Ivory	SPST	On-Off	Pass Thru	10 Amp 125VAC, 5 Amp 250VAC	2.50 x .83 x 1.28	774074
	Cord Toggle Switch	Brown	SPST	On-Off	Pass Thru	10 Amp 125VAC, 6 Amp 250VAC	2.50 x .83 x 1.28	774073

†Bulk Package of 100

Door and Slide Switches

- Standard slide switch fits 9/16" x 7/8" opening
- Door switches are great for closets, turning the light on when the door is open and off when it is closed
- Door switch kit comes with metal box, cover plate and mounting hardware

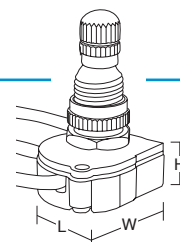


Product	Description	Color	Poles	Circuitry	Termination Style	Ratings	Dimensions (L" x W" x H")	Cat. No.
	Slide Switch	Black Slide	SPST	On-Off	Solder Terminals	10 Amp 125VAC, 5 Amp 250VAC	1.38 x .44 x .30	774051
	AC/DC Door Switch Kit	White Button	SPST	Normally On-(Off)	Wire Leads	10 Amp 1/3 HP 125/250VAC	1.25 x 2.75 x 2.0	774026K 774026KBK†
	Door Replacement Switch	White Button	SPST	Normally On-(Off)	Wire Leads	10 Amp 1/3 HP 125/250VAC	1.17 x .69 x .98	774026

  () Denotes momentary action †Bulk package of 25

Rotary Switches

- Rotary switches are perfect for household appliances, ceiling fixtures and lamps
- Single or three-position switches available
- #18 AWG, 6" stripped wire leads
- Bulk packaging available upon request

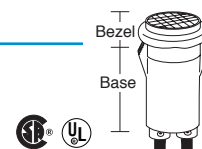


Product	Description	Color	Poles	Circuitry	Termination Style	Ratings	Dimensions (L" x W" x H")	Cat. No.
	Rotary Switch	Black Plastic	SPST	On-Off	Wire Leads	3 Amp 125VAC, 1.5 Amp 250VAC	.60 Dia x .730 overall height	774063B 774063BK†
	Rotary Switch	Brass Plated	SPST	On-Off	Wire Leads	6 Amp 125VAC, 3 Amp 250VAC	.97 x .80 x .39	774061
	3-Way Rotary Switch	Brass Plated	SPTT	Off-On(A)-On(B)-On(A+B)	Wire Leads	6 Amp 125VAC, 3 Amp 250VAC	.86 x 1.03 x .34	774062
	Rotary Switch	Black Plastic	SPST	On-Off	Wire Leads	6 Amp 125VAC, 3 Amp 250VAC	.89 x .79 x .31	774069

†Bulk Package of 100

Flush Indicator Lights

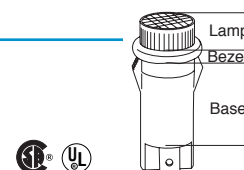
- Nylon body with flush transparent polycarbonate lens and stainless steel bezel
- 6 in. wire leads
- 1/2 in. mounting diameter
- Lamp voltage is AC/DC
- Bulk packaging available upon request



Product	Description	Lens Color	Lamp Voltage	Lamp Type	Termination Style	Height (Base" × Bezel")	Cat. No.
	Flush Indicator Light	Red	14V	Incandescent	6" Wire Leads	.91 × .10	775121*
	Flush Indicator Light	Red	28V	Incandescent	6" Wire Leads	.91 × .10	776121*
	Flush Indicator Light	Red	125V	Neon	6" Wire Leads	.91 × .10	777121*
	Flush Indicator Light	Green	125V	Neon	6" Wire Leads	.91 × .10	777221*
	Flush Indicator Light	Amber	125V	Neon	6" Wire Leads	.91 × .10	777321*

Raised Indicator Lights

- Nylon body with raised transparent polycarbonate lens and stainless steel bezel
- 1/2 in. mounting diameter
- Lamp voltage is AC/DC
- Bulk packaging available upon request



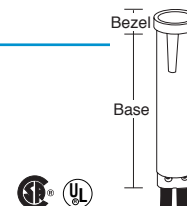
Product	Description	Lens Color	Lamp Voltage	Lamp Type	Termination Style	Height (Base" × Bezel" × Lamp")	Cat. No.
	Raised Indicator Light	Red	14V	Incandescent	6" Wire Leads	.91 × .10 × .20	775111*
	Raised Indicator Light	Red	28V	Incandescent	6" Wire Leads	.91 × .10 × .20	776111*
	Raised Indicator Light	Green	28V	Incandescent	6" Wire Leads	.91 × .10 × .20	776211*
	Raised Indicator Light	Amber	28V	Incandescent	6" Wire Leads	.91 × .10 × .20	776311*
	Raised Indicator Light	Red	125V	Neon	6" Wire Leads	.91 × .10 × .20	777111*
							777111BK†
	Raised Indicator Light	Green	125V	Neon	6" Wire Leads	.91 × .10 × .20	777211*
							777211BK†
	Raised Indicator Light	Amber	125V	Neon	6" Wire Leads	.91 × .10 × .20	777311*
	Raised Indicator Light	Blue	125V	Neon	6" Wire Leads	.91 × .10 × .20	777411*
	Raised Indicator Light	Clear	125V	Neon	6" Wire Leads	.91 × .10 × .20	777511*
	Raised Indicator Light	Red	250V	Neon	6" Wire Leads	.91 × .10 × .20	778111*
	Raised Indicator Light	Green	250V	Neon	6" Wire Leads	.91 × .10 × .20	778211*
	Raised Indicator Light	Red	28V	Incandescent	.187" Spade	1.09 × .10 × .20	776112
	Raised Indicator Light	Red	125V	Neon	.187" Spade	1.09 × .10 × .20	777112
	Raised Indicator Light	Green	125V	Neon	.187" Spade	1.09 × .10 × .20	777212

*VDE certified

†Bulk Package of 100

Miniature Indicator Lights

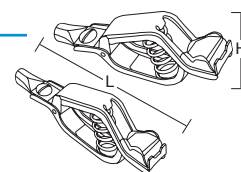
- Nylon body with flush transparent polycarbonate lens
- 6 in. wire leads
- 5/16 in. mounting diameter
- Lamp voltage is AC/DC
- Bulk packaging available upon request



Product	Description	Lens Color	Lamp Voltage	Lamp Type	Termination Style	Height (Base" × Bezel")	Cat. No.
	Miniature Indicator Light	Red	125V	Neon	6" Wire Leads	1.43 × .13	777131
	Miniature Indicator Light	Green	125V	Neon	6" Wire Leads	1.43 × .13	777231
	Miniature Indicator Light	Amber	125V	Neon	6" Wire Leads	1.43 × .13	777331

Battery Clips

- Great for testing and many other electrical applications
- Insulated grips are color-coded for positive (red) and negative (black) identification
- For screw and/or crimp connections

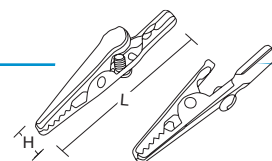


Product	Description	Amps	Dimensions (L" × H")	Jaw Opening	Wire Diameter	Quantity	Cat. No.
	Miniature General Purpose Clip	5	1-17/32 x 15/32	5/16"	9/64"	2	770218L
	General Purpose Clip	10	2 x 5/8	1/2"	3/16"	1 Red/1 Black	170207L
	Test and Battery Clip	20	2-1/2 x 5/8	5/8"	3/16"	1 Red/1 Black	170208L
	Test and Battery Clip	30	2-1/2 x 5/8	5/8"	3/16"	1 Red/1 Black	170209L
	Copper Test & Battery Clips*	40	2-7/16 x 11/16	5/8"	3/16"	2	770217L
	Copper Test & Battery Clips*	75	3 x 15/16	3/4"	9/32"	2	770216L
	Copper Test & Battery Clips*	100	4-7/64 x 19/16	1-1/16"	11/30"	2	770215L
	Insulated Grips for 770217L	—	3-1/2 x 3/4 ID	—	—	1 Red/1 Black	770223L
	Insulated Grips for 770216L	—	3-7/8 x 11/64 ID	—	—	1 Red/1 Black	770219L
	Insulated Grips for 770215L	—	5 x 1-13/32 ID	—	—	1 Red/1 Black	770221L

*Insulators sold separately

Alligator Clips

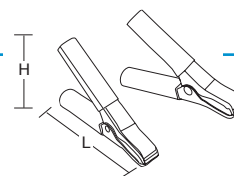
- Great for temporary connections, testing wires and troubleshooting projects
- Spring-loaded, grab-tight jaws make these clips quick and easy-to-use
- For screw and/or crimp connections



Product	Description	Amps	Dimensions (L" × H")	Jaw Opening	Wire Gauge	Quantity	Cat. No.
	Non-Insulated	—	2 × 7/16	5/16"	#22 - #14	4	770200L
	Insulated Barrel	—	2-1/2 × 7/16	5/16"	#22 - #14	1 Red/1 Black	770204L
	Fully Insulated	—	2-1/2 × 7/16	5/16"	#22 - #14	1 Red/1 Black	770205L

Plier-Type Battery Clamps

- Great for battery charging and test equipment
- Insulated grips are color-coded for positive (red) and negative (black) identification
- For crimp or solder connections



Product	Description	Amps	Dimensions (L" × H")	Jaw Opening	Wire Dia.	Quantity	Cat. No.
	Plier-Type Battery Clip, Steel	50	2-7/8 x 2	1-1/8"	9/32"	1 Red/1 Black	770213L
	Plier-Type Battery Clip, Copper	75	2-7/8 x 2	1-1/8"	9/32"	1 Red/1 Black	770212L
	Plier-Type Battery Clip, Copper	400	6 x 4-1/2	1-9/16"	9/16"	1 Red/1 Black	770225L

NM Cable Connectors

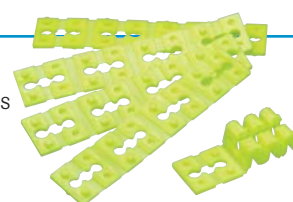
- Unique snap-in detents hold fitting firmly in place – eliminates the need for screws, lock nuts or clamps
- UL Listed and CSA Certified for 14/2, 14/3, 12/2, 12/3, 10/2, 10/3 and for double-runs of 14/2 and 12/2 NM sheathed cable



Description	Quantity	Cat. No.
12 in. NM Cable Connector	100	1050

Spacer Shims

- Eliminates the need to cut plate screws for "GFCI" decorator devices when installing on tile, marble, etc.
- Supports loose outlets
- Prevents broken face plates
- Snaps over #6, #8, #10 screws
- Also works as a shim



Description	Quantity	Cat. No.
Caterpillar	5	772450
Caterpillar	25	172451
Caterpillar	500	772451

Flange-Type Plastic Anchors



- Multi-purpose use in solid materials or hollow walls, will not fall through
- For use with sheet-metal or wood screws
- High-impact plastic construction resists moisture, corrosion and deterioration

Description	Screw Size	Drill Size (In.)	Quantity	Cat. No.
Yellow – 7/8 in. long	6-8-10	3/16	100	90-041
Red – 1 in. long	10-12	1/4	100	90-042
White – 1-1/2 in. long	14-16	5/16	50	90-044

Flange-Type Plastic Anchor Kits

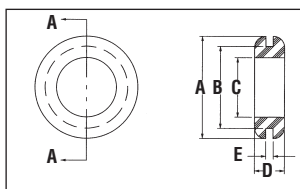


- Kits include flange-type anchors, slotted/Phillips head screws and masonry bit
- Convenient plastic storage container

Contents	Cat. No.
100 # 6-8-10 x 7/8 in. Flange-type anchors, 100 # 8 x 1 in. combo-head, sheet-metal screws & 1-3/16 in. masonry bit (carbide-tipped)	90-051
100 # 10-12 x 1 in. Flange-type anchors, 100 # 10 x 1-1/4 in. combo-head, sheet-metal screws & 1-1/4 in. masonry bit (carbide-tipped)	90-052
100 # 10-12 x 1 in. Flange-type anchors, 100 # 12 x 1 in. combo-head, sheet-metal screws & 1-1/4 in. masonry bit (carbide-tipped)	90-053
40 # 14-16 x 1-1/2 in. Flange-type anchors, 40 # 14 x 1-1/2 in. combo-head, sheet-metal screws 1-5/16 in. masonry bit (carbide-tipped)	90-054
100 # 10-12 x 1 in. Flange-type anchors, 100 # 10 x 1 in. combo-head, sheet-metal screws & 1-1/4 in. masonry bit (carbide-tipped)	90-055

Grommets*

- Installs instantly! Flexible PVC grommets side slotted 1/16" for quick installation
- Snap into holes in electrical boxes, sheet metal, auto firewalls and more
- Prevents steel and other sharp edge chafing of wire insulation or cording
- Black, PVC, flexible, 60 durometer



Description	A	B	C	D	E	Quantity	Cat. No.
1/4" Grommets	9/16	.37	1/4	.28	3/32	6	774114
1/4" Grommets	9/16	.37	1/4	.28	3/32	25	774116
1/4" Grommets	9/16	.37	1/4	.28	3/32	1,000	774114BK
3/8" Grommets	43/64	.49	3/8	.28	1/16	5	774138
3/8" Grommets	43/64	.49	3/8	.28	1/16	25	774137
1/2" Grommets	55/64	.69	1/2	.25	1/16	4	774112
1/2" Grommets	55/64	.69	1/2	.25	1/16	25	774113
3/4" Grommets	15/64	1.0	3/4	.31	1/16	3	774134
3/4" Grommets	15/64	1.0	3/4	.31	1/16	25	774136

*Buchanan branded

Wire Marker Booklets*

- Self-sticking on wire and cable
- Perforated 1/4" x 1-1/2" markers
- For applications above or below ground
- Resists abrasion, moisture, dirt and oil
- Non-smear black legend ensures high visibility

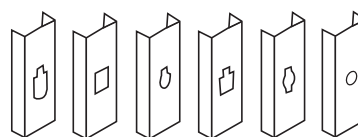
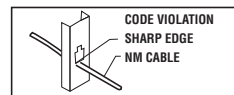
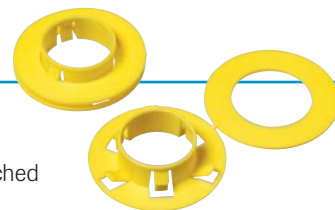


Legend	Quantity	Cat. No.
0-9	45	775101
A-Z, 0-15, +, -, /	10	775102
1-45	10	775103
46-90	10	775104

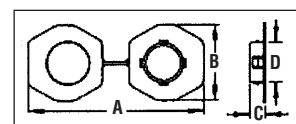
*Buchanan branded

Universal Metal Stud Bushings

- Non-metallic stud bushing fits all hole configurations you are likely to encounter in pre-punched steel studs
- Long pulls of cable slide smoothly through the bushing, make a difficult job easier
- Protects wire without falling out of the hole



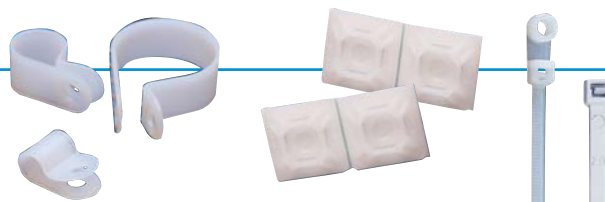
Common hole configurations in metal studs.



Description	A	B	C	D	Quantity	Cat. No.
Stud Bushing	5.670	2.50	.505	1.30	25	772271

Multi-Purpose Cable Ties

- General purpose cable tie for every day bundling and cable management
- UL recognized



Size	Color	Tensile Strength (lbs.)	Pkg. Qty.	Cat. No.
Miniature Ties				
4"	Natural	18	100	B-4-18-9-C
4"	Natural	18	1000	B-4-18-9-M
4"	UV Black	18	100	B-4-18-0-C
4"	UV Black	18	1000	B-4-18-0-M
8"	Natural	18	100	B-8-18-9-C
8"	UV Black	18	100	B-8-18-0-C
Intermediate Ties				
6"	Natural	40	100	B-6-40-9-C
6"	Natural	40	1000	B-6-40-9-M
6"	UV Black	40	100	B-6-40-0-C
6"	UV Black	40	1000	B-6-40-0-M
11"	Natural	40	100	B-11-40-9-C
11"	UV Black	40	100	B-11-40-0-C
Standard Ties				
8"	Natural	50	100	B-8-50-9-C
8"	Natural	50	500	B-8-50-9-D
8"	Natural	50	1000	B-8-50-9-M
8"	UV Black	50	100	B-8-50-0-C
8"	UV Black	50	1000	B-8-50-0-M
8"	Red	50	100	B-8-50-2-C
8"	Green	50	100	B-8-50-5-C
11"	Natural	50	100	B-11-50-9-C
11"	Natural	50	300	B-11-50-9-300
11"	Natural	50	500	B-11-50-9-D
11"	UV Black	50	100	B-11-50-0-C
11"	UV Black	50	500	B-11-50-0-D
14"	Natural	50	100	B-14-50-9-C
14"	Natural	50	500	B-14-50-9-D
14"	UV Black	50	100	B-14-50-0-C
14"	UV Black	50	500	B-14-50-0-D
Heavy-Duty Ties				
11"	Natural	120	100	B-11-120-9-C
11"	UV Black	120	100	B-11-120-0-C
14"	Natural	120	50	B-14-120-9-L
14"	UV Black	120	50	B-14-120-0-L
17"	Natural	175	50	B-17-175-9-L
17"	UV Black	175	50	B-17-175-0-L
21"	Natural	175	50	B-21-175-9-L
21"	UV Black	175	50	B-21-175-0-L
24"	Natural	175	50	B-24-175-9-L
24"	UV Black	175	50	B-24-175-0-L
30"	Natural	175	50	B-30-175-9-L
30"	UV Black	175	50	B-30-175-0-L
36"	UV Black	175	50	B-36-175-0-L
36"	Natural	175	50	B-36-175-9-L
48"	Natural	175	50	B-48-175-9-L
48"	UV Black	175	50	B-48-175-0-L

Size	Color	Tensile Strength (lbs.)	Pkg. Qty.	Cat. No.
Assorted Cable Tie Packages				
B-AST-4811-9-7C Includes:				
4"	Natural	18	200	B-4-18-9-C
8"	Natural	50	300	B-8-50-9-C
11"	Natural	50	200	B-11-50-9-C
B-ASST-650C Cannister Includes:				
4"	Assorted	18	200	—
4"	Natural	18	100	B-4-18-9-C
8"	Natural	50	300	B-8-50-9-C
11"	Natural	50	50	B-11-50-9-C
B-ASST-500C Cannister Includes:				
4"	Natural	18	200	B-4-18-9-C
6"	Natural	40	100	B-6-40-9-C
8"	Natural	50	200	B-8-50-9-C
B-AST-48-0-200 Tube Includes:				
4"	UV Black	18	100	B-4-18-0-C
8"	UV Black	50	100	B-8-50-0-C
B-AST-48-9-200 Tube Includes:				
4"	Natural	18	100	B-4-18-9-C
8"	Natural	50	100	B-8-50-9-C
Mounting Ties				
6"	Natural	30	100	B-6-30MT-9-C
8"	Natural	50	100	B-8-50MT-9-C
8"	UV Black	50	100	B-8-50MT-0-C
14"	Natural	50	100	B-14-50MT-9-C
14"	UV Black	50	100	B-14-50MT-0-C
Mounting Pads				
3/4" x 3/4"	Natural	N/A	100	BMP-750-9-C
3/4" x 3/4"	UV Black	N/A	100	BMP-750-0-C
1" x 1"	Natural	N/A	100	BMP-1000-9-C
1" x 1"	UV Black	N/A	100	BMP-1000-0-C
Cable Clamps				
1/8"	Natural	N/A	100	BCCL-125-9-C
1/4"	Natural	N/A	100	BCCL-250-9-C
3/8"	Natural	N/A	100	BCCL-375-9-C
1/2"	Natural	N/A	100	BCCL-500-9-C
Installation Tools				
Tighten-n-Trim Cable Tie Tool			BCTT-100	
Standard Cable Tie Tool			BCTT-200	

How to Select Resurfacer Grade

Small Motor and Pocket Resurfacers

Grade code letters designate the following grade combinations:

- | | |
|------------------------|------------------------|
| A Medium/Finish | G Coarse/Medium |
| B Coarse/Finish | H Medium/Polish |
| D Finish/Polish | |

All Other Resurfacers

Resurfacers for commutators and copper-alloy slip rings are made in five grades:

- X** Extra coarse—very fast cutting, for “hogging” off excessive copper
- C** Coarse—fast cutting
- M** Medium—for general use, high mica, small ridges and burns
- F** Finish—for use after the three grades above, for periodic application and for removing small burns and ridges immediately after their appearance
- P** Polish—very fine grade (220 aggregate grain) for burnish finish

For all resurfacers, specify grade by adding the appropriate letter as a suffix to the catalog number. (Example: 80-475M for medium grade.)

How to Select Resurfacer Size

Size is always written length x width x thickness (working face area x depth of stone). For handle types, the handle is mounted parallel to the first dimension. Always use a resurfacer with the largest face possible (length x width). Thickness should be governed by clearance around commutator or ring.

Commutator Resurfacers

The resurfacer should have a width of approximately 3/4 the length of the commutator bar and as long as will conveniently go between the brush riggings. For periodic application, three or four sizes are generally sufficient. After determining approximate dimensions, select nearest standard size and type.

Slip Ring Resurfacers

When space permits, use a resurfacer about 1 in. wider than the face width of the ring. Length should be at least three times greater than the longest flat spot to bridge over and ensure a true ring.

Small Motor-Type Resurfacer

- Different grades of stone on each end
- 10 in. handle
- For use on small fractional horsepower motors

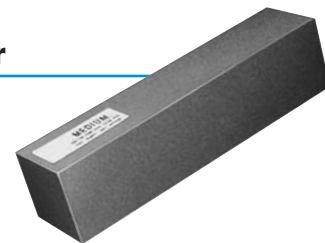


Size (Inches)	Grades	Cat. No.
3/4 x 1/2 x 3/8	A, B, D, G, H	80-012*

*Add grade letter suffix to Cat. No. Please allow 2-3 weeks for delivery.

Tool-Type Resurfacer

- For use in lathe-turning device
- Two resurfacers required for each grinder

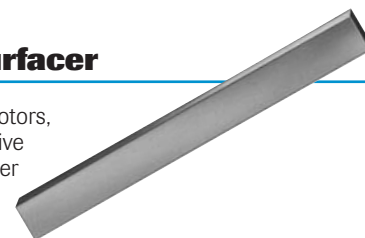


Sizes (Inches)	Grades	Cat. No.
3/4 x 3/4 x 3	C, M, F, P	80-504*
1 x 1-1/2 x 6-1/2		80-454*
1 x 2 x 8		80-461*
2 x 2 x 8		80-475*

*Add grade letter suffix to Cat. No. Please allow 2-3 weeks for delivery.

Pencil-Type Resurfacer

- For use on fans, signal motors, auto generators, locomotive headlight motors and other fractional horsepower motors



Size (Inches)	Grades	Cat. No.
5/8 x 3/8 x 6	C, M, F, P	80-075*

*Add grade letter suffix to Cat. No. Please allow 2-3 weeks for delivery.

Tramway-Handle Resurfacer

- Handle shaped to ensure secure grip
- 10-1/2 in. handle permanently mounted at 45° angle

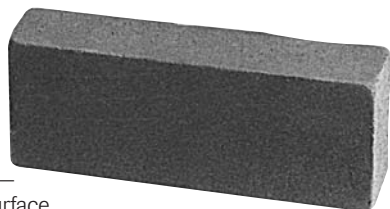


Sizes (Inches)	Grades	Cat. No.
2 x 1-1/2 x 2	C, M, F, P	80-255*
2 x 2 x 2		80-265*

*Add grade letter suffix to Cat. No. Please allow 2-3 weeks for delivery.

Powr-Polish™ Flexible Abrasive

- Fine-grain, non-dusting abrasive held together by a flexible bond
- Serves as both commutator cleaner and burnisher
- Removes dirt and grease—imparts super-finished surface
- Non-conductive and non-loading



Sizes (Inches)	Cat. No.
3/8 x 1/2 x 5	82-001
3/8 x 3/4 x 5	82-002
5/8 x 1 x 5	82-003
1 x 2 x 5	82-004
1 x 4 x 5	82-005
1/8 x 1 x 5	82-006

Please allow 2-3 weeks for delivery.

Commutator Smoothie® Resurfacing Tool



- Designed to smooth commutators of auto generators, starting motors and other similar equipment
- 8-1/2 in. plastic handle with a 5/16 in. x 7/8 in. x 11/16 in. resurfer on each end
- Features one polish-grade and one finish-grade resurfer
- Bent handle reaches into any motor frame
- Non-conductive for user safety

Description	Cat. No.
Commutator Smoothie® Resurfacing Tool	80-033

Please allow 2-3 weeks for delivery.

Brush Seater and Commutator Cleaner



- Gentle acting abrasive for seating carbon brushes and cleaning commutators and slip rings
- Soft, loosely bound grain produces a scouring effect when held against commutator
- Will not remove or scratch copper
- Self-cleaning
- Available in soft(S), medium(M) and hard(H) grades

Sizes (Inches)	Grades	Cat. No.
1/4 x 1/4 x 4-3/4	M, H	23-001*
1/2 x 1/4 x 4-3/4	M, H	23-002*
3/8 x 3/8 x 4-3/4	M, H	23-003*
1/2 x 3/8 x 4-3/4	S, M, H	23-004*
1/2 x 1/2 x 4-3/4	S, M, H	23-005*
5/8 x 1/2 x 4-3/4	S, M, H	23-006*
3/4 x 1/2 x 4-3/4	S, M, H	23-007*
1-1/8 x 5/8 x 4-3/4	S, M, H	23-008*
1/2 x 1 x 4-3/4	S, M, H	23-027*
1 x 1 x 4-3/4	—	23-035S
2 x 1 x 4-3/4	—	23-036S
3 x 2 x 4	—	23-039S
3 x 2 x 6	—	23-041S
3 x 2 x 8	—	23-042S

*Add grade letter suffix to Cat. No.

Please allow 2-3 weeks for delivery.