

## Accessories

### Expanding Bolts

Shell Type A  
Steel Sherardized  
Conical Bolt, Washer, Hexagon Nut



Stock Code	Code	DIMENSION	mm		
			Diameter bore-hole	Length to pinch in	Depth bore-hole
AD00124	K510AC	M5 x 50 x 35	8	10	40
AD00125	K520AC	M5 x 60 x 35	8	20	40
AD00126	K530AC	M5 x 80 x 35	8	40	40
AD00128	K550AC	M6 x 60 x 40	11	13	45
AD00129	K560AC	M6 x 75 x 40	11	26	45
AD00131	K580AC	M8 x 55 x 40	14	7	45
AD00132	K590AC	M8 x 85 x 40	14	27	45
AD00133	K600AC	M8 x 75 x 50	14	17	55
AD00134	K610AC	M8 x 100 x 50	14	42	55
AD00136	K620AC	M8 x 140 x 50	14	82	55
AD00140	K650AC	M10 x 90 x 50	17	20	55
AD00141	K660AC	M10 x 80 x 60	17	10	65
AD00142	K670AC	M10 x 110 x 50	17	40	55
AD00143	K680AC	M10 x 100 x 60	17	30	65
AD00144	K690AC	M10 x 120 x 60	17	50	65
AD00145	K700AC	M10 x 140 x 60	17	70	65
AD00147	K720AC	M12 x 80 x 60	20	8	70
AD00150	K750AC	M12 x 110 x 80	20	18	90
AD00151	K760AC	M12 x 120 x 60	20	48	70
AD00152	K770AC	M12 x 120 x 80	20	28	90
AD00153	K780AC	M12 x 140 x 80	20	48	90
AD00154	K790AC	M12 x 140 x 100	20	28	110
AD00155	K800AC	M12 x 155 x 80	20	68	90
AD00156	K810AC	M12 x 160 x 100	20	48	110
AD00157	K850AC	M16 x 110 x 80	25	15	90
AD00158	K860AC	M16 x 160 x 80	25	45	90
AD00159	K870AC	M16 x 140 x 100	25	25	110

### Expanding Hexagon Head Bolts

Shell Type H (Patented)  
Steel Sherardized  
Conical Nut, Washer, Hexagon Setpin



Stock Code	Code	DIMENSION	mm		
			Diameter bore-hole	Length to pinch in	Depth bore-hole
AD00160	TAC110	M6 x 50 x 40	11	15	40
AD00161	TAC120	M6 x 70 x 40	11	35	40
AD00162	TAC130	M8 x 65 x 50	14	20	50
AD00163	TAC140	M8 x 90 x 50	14	45	50
AD00164	TAC150	M10 x 70 x 60	17	15	60
AD00165	TAC160	M10 x 90 x 60	17	35	60
AD00166	TAC170	M12 x 90 x 80	20	20	80
AD00167	TAC180	M12 x 120 x 80	20	50	80
AD00168	TAC190	M16 x 110 x 100	25	25	100

### Expanding Hook Bolts

Shell Type H (Patented)  
Steel Sherardized  
Zinc plated hook bolt,  
Hexagon Nut, Washer



Stock Code	Code	DIMENSION	mm	
			Diameter bore-hole	Depth bore-hole
AD00169	DAC110	M5 x 50 x 35	8	35
AD00170	DAC120	M6 x 60 x 40	11	40
AD00171	DAC130	M8 x 75 x 50	14	50

### Expanding-Eye-Bolts

Shell Type H (Patented)  
Steel Sherardized  
Zinc plated eyebolt,  
Hexagon Nut, Washer



Stock Code	Code	DIMENSION	mm	
			Diameter bore-hole	Depth bore-hole
AD00173	OAC120	M6 x 70 x 40	11	40
AD00174	OAC130	M8 x 90 x 50	14	50
AD00175	OAC140	M10 x 110 x 60	17	60
AD00176	OAC150	M12 x 140 x 80	20	80
AD00177	OAC160	M16 x 180 x 100	25	100

### Open Expanding Eye Bolts

Shell Type H (Patented)  
Steel Sherardized  
Zinc plated open-eye bolt,  
Hexagon Nut, Washer



Stock Code	Code	DIMENSION	mm	
			Diameter bore-hole	Depth bore-hole
AD00179	TRAC120	M6 x 70 x 40	11	40
AD00180	TRAC130	M8 x 90 x 50	14	50
AD00181	TRAC140	M10 x 110 x 60	17	60
AD00182	TRAC150	M12 x 140 x 80	20	80
AD00183	TRAC160	M16 x 180 x 100	25	100


### Expanding Shells Only

Shell Type H (Patented)  
Stainless Steel




Stock Code	Code	DIMENSION	mm	
			Diameter bore-hole	Depth bore-hole
AD00184	HINO240	M6 x 40	11	40
AD00185	HINO250	M8 x 50	14	50
AD00186	HINO260	M10 x 60	17	60
AD00187	HINO270	M12 x 80	20	80


## Mason Drop In Anchor

	Stock Code	Size
	AD00188	1/4"
	AD00189	5/16"
	AD00190	3/8"
	AD00191	1/2"
	AD00192	5/8"
	AD00193	3/4"
	AD00194	M6
	AD00195	M8
	AD00196	M10
	AD00197	M12
	AD00198	M16
	AD00199	M20


## Mason Sleeve Anchor

	Stock Code	Size
	AD00206	M6.5 x 28mm
	AD00207	M8 x 40mm
	AD00208	M8 x 65mm
	AD00209	M10 x 50mm
	AD00210	M10 x 60mm
	AD00211	M10 x 97mm
	AD00212	M12 x 60mm
	AD00213	M12 x 75mm
	AD00214	M12 x 110mm
	AD00215	M16 x 75mm
	AD00216	M20 x 100mm


## Mason Wedge Anchor (zy)

	Stock Code	Size
	AD00220	M6 x 65mm
	AD00221	M6 x 85mm
	AD00222	M8 x 75mm
	AD00223	M8 x 90mm
	AD00224	M8 x 120mm
	AD00225	M10 x 75mm
	AD00226	M10 x 90mm
	AD00227	M10 x 120mm
	AD00228	M12 x 100mm
	AD00229	M12 x 100mm
	AD00230	M12 x 150mm
	AD00231	M16 x 100mm
	AD00232	M16 x 140mm
	AD00233	M20 x 145mm
	AD00234	M20 x 160mm


## Mason Hit Anchor or All Anchor

	Stock Code	Size
	AD00241	M8 x 50mm
	AD00242	M8 x 70mm
	AD00243	M10 x 60mm
	AD00244	M10 x 80mm
	AD00245	M12 x 70mm
	AD00246	M12 x 90mm
	AD00247	M12 x 100mm
	AD00248	M16 x 120mm
	AD00249	M20 x 150mm
	AD00250	M20 x 190mm


## Expanding Rawlbolt

	Stock Code	Size
	AD00200	M6 x 60mm
	AD00201	M8 x 65mm
	AD00202	M10 x 70mm
	AD00253	M12 x 70mm
	AD00203	M12 x 100mm
	AD00254	M16 x 100mm
	AD00204	M16 x 125mm
	AD00255	M20 x 100mm
	AD00205	M20 x 160mm

## Cast in Anchor (Pipe Insert)

	Stock Code	Size
	AD00217	M12 x 60mm
	AD00218	M16 x 70mm
	AD00219	M20 x 100mm

## Mason Nylon Anchor

	Stock Code	Size
	AD00235	M5 x 35mm
	AD00236	M6 x 45mm
	AD00237	M6 x 56mm
	AD00238	M6 x 72mm
	AD00239	M8 x 55mm
	AD00240	M8 x 74mm

## Popeye-2 for CEILING WORKS

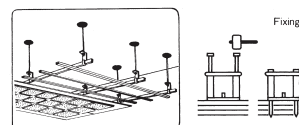


AD00005

- \* Safety for Fire.
- \* Easy & Simple Fixing

Depth	Size	Item	Carton	Pull-Out Strength
20(mm)	3/8 x 20	P-3020	500(pcs)	500~(kgf)

\*Depth (mm) means length in concrete.



## Apollo-L for MEDIUM DUTY FACILITIES

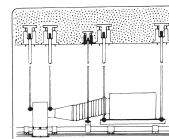


AD00006


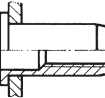
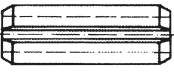


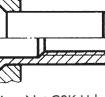
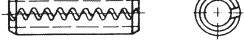


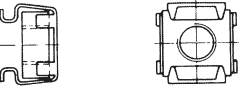
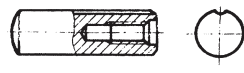
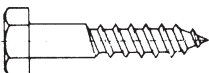

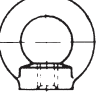

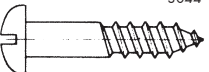
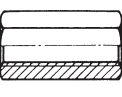

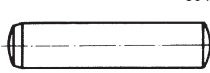
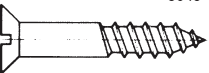
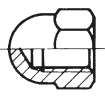

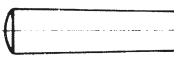
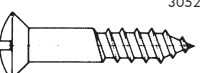


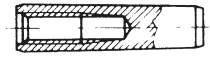

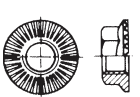

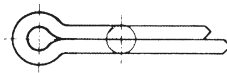




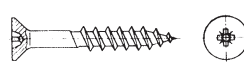



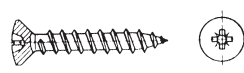
- \* Fire-Protection System,
- \* Electrical-Work, etc....

Depth	Size	Item	Carton	Pull-Out Strength
30(mm)	3/8 x 30	A-3030	500(pcs)	800~(kgf)

\*Depth (mm) means length in concrete.



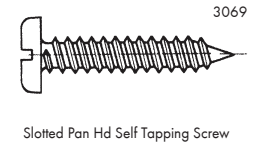
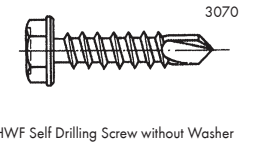
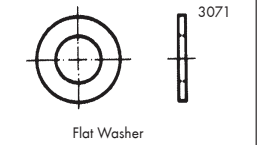
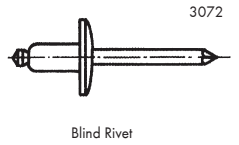
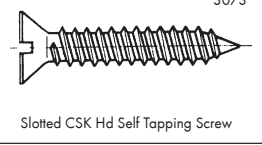
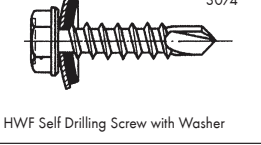

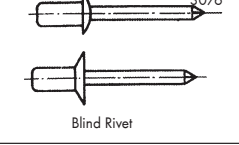
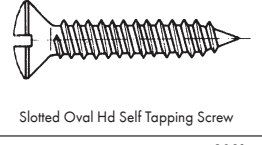
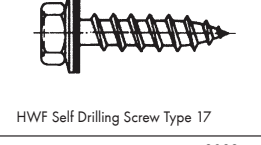

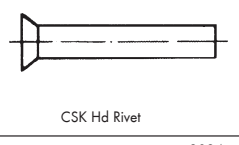
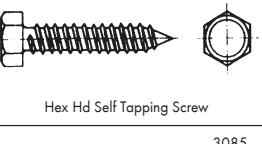
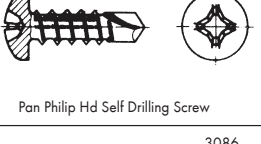
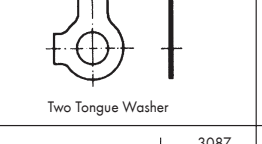
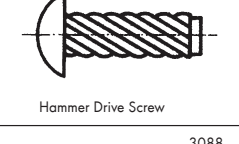
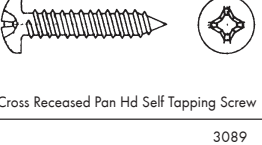


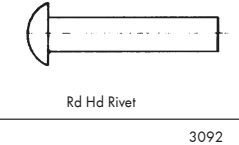
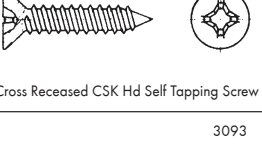


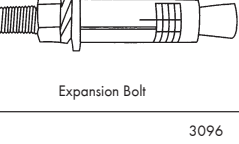

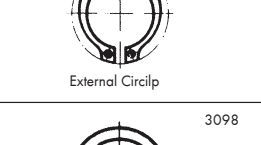
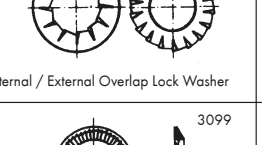
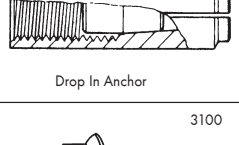
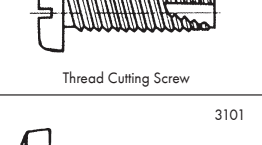
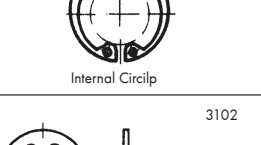

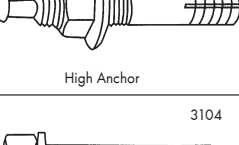

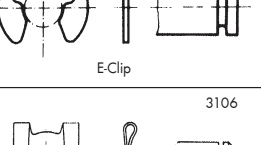
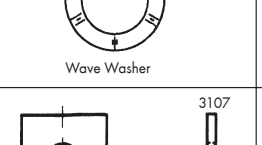
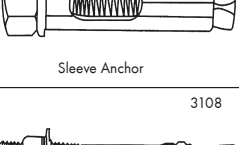
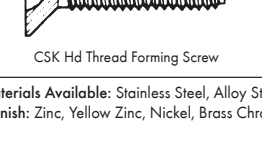
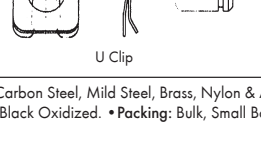
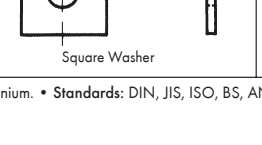
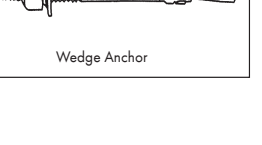
## Accessories - High Quality Fasteners

 Hex Nut	 Crimp Nut Flat Hd	 Spring Pin	 Cross Recessed Flat Hd Wood Screw
 Hex Jam Nut	 Crimp Nut CSK Hd	 Spring Pin Wave	 Cross Recessed Rd Hd Wood Screw
 Self Locking Nut Nylon Insert	 Cage Nut	 Dowel Pin with Internal Thread	 Hex Lag Screw
 Self Locking Domed Cap Nut with Nylon Insert	 Eye Nut	 Dowel Pin	 Slotted Rd Hd Wood Screw
 Hex Long Nut	 Square Weld Nut	 Parallel Pin	 Slotted Flat Hd Wood Screw
 Hex Domed Cap Nut	 Hex Weld Nut	 Taper Pin	 Slotted Oval Hd Wood Screw
 Hex Flange Nut without Serration	 Safety Nut	 Taper Pin with Internal Thread	 Hanger Bolt
 Hex Serrated Flange Nut	 Insert	 Cotter Pin	 Drywall Screw
 Wing Nut	 Self Push Nut	 Snap Pin	 Chipboard Screw
 Tee Nut	 Circular Nut	 Snap Pin	 Raised CSK Chipboard Screw

Materials Available: Stainless Steel, Alloy Steel, Carbon Steel, Mild Steel, Brass, Nylon & Aluminium. • Standards: DIN, JIS, ISO, BS, ANSI.  
• Finish: Zinc, Yellow Zinc, Nickel, Brass Chrome, Black Oxidized. • Packing: Bulk, Small Box.


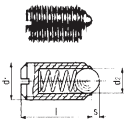
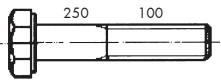
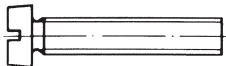

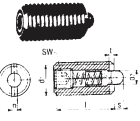

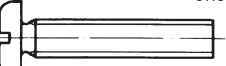
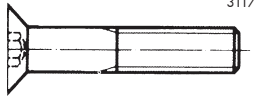
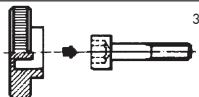
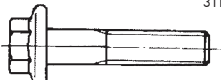

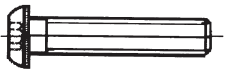

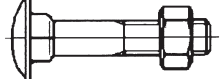

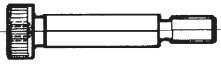
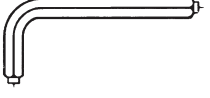
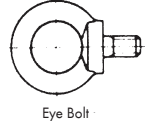

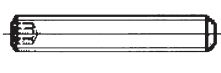
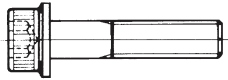
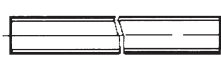
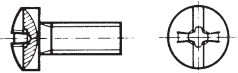

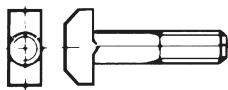
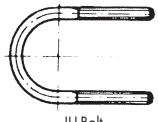


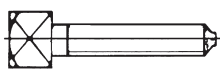
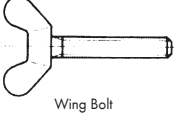

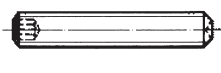
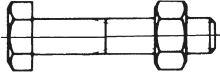
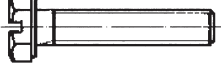


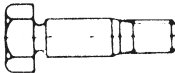


# Fastener

## Accessories - High Quality Fasteners

 <p>3069 Slotted Pan Hd Self Tapping Screw</p>	 <p>3070 HWF Self Drilling Screw without Washer</p>	 <p>3071 Flat Washer</p>	 <p>3072 Blind Rivet</p>
 <p>3073 Slotted CSK Hd Self Tapping Screw</p>	 <p>3074 HWF Self Drilling Screw with Washer</p>	 <p>3075 Spring Lock Washer</p>	 <p>3076 Blind Rivet</p>
 <p>3077 Slotted Oval Hd Self Tapping Screw</p>	 <p>3078 HWF Self Drilling Screw Type 17</p>	 <p>3079 Taper Washer</p>	 <p>3080 CSK Hd Rivet</p>
 <p>3081 Hex Hd Self Tapping Screw</p>	 <p>3082 Pan Philip Hd Self Drilling Screw</p>	 <p>3083 Two Tongue Washer</p>	 <p>3084 Hammer Drive Screw</p>
 <p>3085 Cross Recessed Pan Hd Self Tapping Screw</p>	 <p>3086 CSK Philip Hd Self Drilling Screw</p>	 <p>3087 Disc Spring Washer</p>	 <p>3088 Rd Hd Rivet</p>
 <p>3089 Cross Recessed CSK Hd Self Tapping Screw</p>	 <p>3090 Wing Teks Self Drilling Screw</p>	 <p>3091 Internal / External Tooth Lock Washer</p>	 <p>3092 Expansion Bolt</p>
 <p>3093 Cross Recessed Oval Hd Self Tapping Screw</p>	 <p>3094 External Circilp</p>	 <p>3095 Internal / External Overlap Lock Washer</p>	 <p>3096 Drop In Anchor</p>
 <p>3097 Thread Cutting Screw</p>	 <p>3098 Internal Circilp</p>	 <p>3099 Disc Spring Washer for Socket Screw</p>	 <p>3100 High Anchor</p>
 <p>3101 Pan Hd Thread Forming Screw</p>	 <p>3102 E-Clip</p>	 <p>3103 Wave Washer</p>	 <p>3104 Sleeve Anchor</p>
 <p>3105 CSK Hd Thread Forming Screw</p>	 <p>3106 U Clip</p>	 <p>3107 Square Washer</p>	 <p>3108 Wedge Anchor</p>

Materials Available: Stainless Steel, Alloy Steel, Carbon Steel, Mild Steel, Brass, Nylon & Aluminium. • Standards: DIN, JIS, ISO, BS, ANSI.  
• Finish: Zinc, Yellow Zinc, Nickel, Brass Chrome, Black Oxidized. • Packing: Bulk, Small Box.

## Accessories - High Quality Fasteners

 <p>3109</p> <p>Socket Cap Screw</p>	 <p>3110</p> <p>Ball Plunger</p>	 <p>3111</p> <p>Hex Hd Cap Screw partly Threaded</p>	 <p>3112</p> <p>Slotted CH Hd Machine Screw</p>
 <p>3113</p> <p>Socket Low Hd Cap Screw</p>	 <p>3114</p> <p>Spring Plunger</p>	 <p>3115</p> <p>Hex Hd Cap Screw fully Threaded</p>	 <p>3116</p> <p>Slotted Pan Hd Machine Screw</p>
 <p>3117</p> <p>Socket CSK Cap Screw</p>	 <p>3118</p> <p>Thumb Screw-Knob for Socket Screw</p>	 <p>3119</p> <p>Hex Flange Bolt</p>	 <p>3120</p> <p>Slotted Flat Hd Machine Screw</p>
 <p>3121</p> <p>Socket Button Cap Screw</p>	 <p>3122</p> <p>Hex Socket Screw Key</p>	 <p>3123</p> <p>Carriage Bolt &amp; Nut</p>	 <p>3124</p> <p>Cross Recessed Oval Hd Machine Screw</p>
 <p>3125</p> <p>Socket Shoulder Screw</p>	 <p>3126</p> <p>Hex Socket Screw key with Pilot</p>	 <p>3127</p> <p>Eye Bolt</p>	 <p>3128</p> <p>Truss Hd Machine Screw</p>
 <p>3129</p> <p>Socket Set Screw with Flat Point</p>	 <p>3130</p> <p>Flange Socket Hd Screw</p>	 <p>3131</p> <p>Threaded Rod</p>	 <p>3132</p> <p>Cross Recessed Pan Hd Machine Screw</p>
 <p>3133</p> <p>Socket Set Screw with Cone Point</p>	 <p>3134</p> <p>Tee Head Bolt</p>	 <p>3135</p> <p>IU-Bolt</p>	 <p>3136</p> <p>Cross Recessed Flat Hd Machine Screw</p>
 <p>3137</p> <p>Socket Set Screw with Dog Point</p>	 <p>3138</p> <p>Square Head Bolt</p>	 <p>3139</p> <p>Wing Bolt</p>	 <p>3140</p> <p>Pan Hd Screw C/W Flat Washer</p>
 <p>3141</p> <p>Socket Set Screw with Cup Point</p>	 <p>3142</p> <p>Hex Bolt &amp; Nut</p>	 <p>3143</p> <p>Hex Cap Screw with Slot</p>	 <p>3144</p> <p>Pan Hd Screw C/W Spring Washer</p>
 <p>3145</p> <p>Socket Pressure Plug</p>	 <p>3146</p> <p>Hex Hd Shoulder Screw</p>	 <p>3147</p> <p>Eye Bolt</p>	 <p>3148</p> <p>Slot Cheese Hd C/W Flat Washer</p>

Materials Available: Stainless Steel, Alloy Steel, Carbon Steel, Mild Steel, Brass, Nylon & Aluminium. • Standards: DIN, JIS, ISO, BS, ANSI.  
 • Finish: Zinc, Yellow Zinc, Nickel, Brass Chrome, Black Oxidized. • Packing: Bulk, Small Box.

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