

SELECTION CHART

One Hole Strap



Used to attach conduit or armored cable to concrete. Fastener pre-assembled to a 16 gage conduit strap. 100 per jar, 3/8" 200 per jar and 1-1/4" 25 per jar.

PART NUMBER	SHANK DIAMETER	HEAD DIAMETER	DESCRIPTION
38HSMP034	.104/.125	.300	3/8" Hole strap with 3/4" plated pin
12HSMP034	.104/.125	.300	1/2" Hole strap with 3/4" plated pin
34HSMP034	.104/.125	.300	3/4" Hole strap with 3/4" plated pin

Ceiling Clip Assembly



Pre-assembled Ceiling Clip. Plated 14 gage clip. 100 per jar.

PART NUMBER	SHANK DIAMETER	HEAD DIAMETER	DESCRIPTION
34CLIP	.104/.125	.300	3/4" Ceiling Clip Assembly

Tie Strap Holder



Used to install temporary lighting and secure low voltage cable to concrete, uses a standard cable tie up to 3/8" in width. Fastener pre-assembled to an 22 gage tie strap holder. 50 per jar.

PART NUMBER	SHANK DIAMETER	HEAD DIAMETER	DESCRIPTION
TSHMP034	.104/.125	.300	Tie strap holder with 3/4" plated pin

Top Hat Pin



Used for general purpose fastening to concrete. Plated pin with top hat. 200 per jar.

PART NUMBER	SHANK DIAMETER	HEAD DIAMETER	DESCRIPTION
MP034TH	.125	.300	3/4" Plated pin with top hap

PIN SPECIFICATIONS

- Made from AISI 1060-1065 steel. Austempered to a core hardness of 52-56 Rc
- Typical tensile strength: 270,000 psi
- Typical shear strength: 162,000 psi
- Standard finish
- Proprietary black
- Mechanical zinc plate to a minimum thickness of .0002 meets requirements of ASTM B695
- Electroplated zinc with yellow chromate

APPROVALS/LISTING

ICC Evaluation Service, Inc.

#ESR-1955 T3 Fasteners

Fasteners in Concrete

FASTENER PART NUMBER	SHANK DIA. (INCH)	MINIMUM PENETRATION (INCH)	INSTALLED IN STONE AGGREGATE CONCRETE CONCRETE COMPRESSIVE STRENGTH ALLOWABLE LOAD – <i>Ultimate Load</i>						HOLLOW BLOCK Grade N, Type 1			
			4000 PSI		6000 PSI		3000 PSI Lightweight LOWER FLUTE		FACE SHELL Min 1-1/4" face thickness			
			TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)		
MP034TH*	0.125	5/8	78 426	80 574	62 308	----	----	72 361	242 1210	133 691	----	----
		3/4	104 593	195 977	132 658	206 1057	93 470	288 1442	84 444	87 446		
34CLIP	0.104/.125	5/8	62 310	----	106 528	----	----	44 220	----	----	----	----
38HSMP034, 12HSMP034 34HSMP034, TSHMP034	0.104/.125	5/8	60 357	117 587	107 533	191 957	54 269	230 1150	71 357	123 613		

* ESR-1955 pin data applies. **Note 1:** ALLOWABLE loads are shown in the **LARGE BOLD** font, *Ultimate* loads are shown in *smaller italic* font. **Note 2:** Testing conducted in accordance with ICC AC70 & ASTM E1190
Note 3: Safety factors are based on coefficient of variation. In accordance with ICC AC70, the safety factor will be no less than 5. **Note 4:** Values shown in concrete are for fastener only. Connected members must be investigated separately. **Note 5:** Cyclic, fatigue, shock loads and other design criteria may require a different safety factor. **Note 6:** Job-site testing may be required to determine actual job site values. **Note 7:** Minimum edge distance is 3 inches unless otherwise approved. In hollow block applications, no more than one fastener per cell. **Note 8:** For SI: 1 lbf = 4.448 N, 1 inch = 25.4 mm, 1 ksi = 6.89MPa.



ITW Construction Products

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