

GENERAL INFORMATION

STICK-E™

Direct Fastening Assemblies

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PRODUCT DESCRIPTION

Stick-E assemblies are specially designed components for various fastening attachments into concrete, concrete masonry block and steel. They are used in conjunction with pins driven by the Cordless Concrete Nailer (CCN) or Trak-It C5 tools for various light duty applications.

SELECTION GUIDE AND PERFORMANCE DATA^{1,2,3,4,5,6,7,8}

Trade / Contractor	Application	Stick-E Accessory		Stick-E and Fastener			Fastener		
		Cat. No.	Description	Suitable Base Material	Allowable Load lbs.	Min. Pin Embed. in.	Shank Dia. x Length in.	CCN System	Trak-It C5 System
								Pin Cat. No.	Pin Cat. No.
Plasterer & Insulator	Installing wire lathe for stucco or surfacing applications	DFD405101	Lathing Washer 1"	Concrete	60	5/8	0.102 x 3/4 or 0.102 x 0.780 (K)	DCN890075 or DCN8907804	55310 or 55341
	Attaching rigid exterior foam insulation	DFD405716	Insulation Washer 1-7/16"	Concrete	30	5/8		0.102 x 1-1/4	DCN890125
	Attaching DensGlass® board	DFD405901	Denz Glass Washer 1-1/4"	Light Gauge Steel Framing	15 20	18 gauge 16 gauge	0.108 x 1-3/8 (K)		DCN89041380
Electrical	Attaching 3/8" Dia. flexible BX cable	DFD405338	BX Clip 3/8"	Concrete	10	5/8	0.102 x 3/4 or 0.102 x 0.780 (K)	DCN890075 or DCN8907804	55310 or 55341
	Attaching 1/2" diameter conduit	DFD405312R	Conduit Clip 1/2"	Hollow/Grouted Block (CMU)	10	5/8			
	Attaching 3/4" diameter conduit	DFD405334R	Conduit Clip 3/4"	Concrete	10	5/8			
	Attaching 1" diameter conduit	DFD405310R	Conduit Clip 1"	Hollow/Grouted Block (CMU)	10	5/8			
	Hanging 1/2" diameter conduit	DFD405412	Mini Conduit Clamp 1/2"	Concrete	10	5/8			
	Hanging 3/4" diameter conduit	DFD405434	Mini Conduit Clamp 3/4"	Concrete	10	5/8			
	Hanging 1" diameter conduit	DFD405410	Mini Conduit Clamp 1"	Concrete	10	5/8			
	For temporary lighting or wire strapping (using zip-tie or velcro)	DFD405902	Cable Tie Donut 1-1/4"	Concrete	10	5/8			
Mechanical & Electrical	Attaching pencil rod, hooks & wire assemblies	DFD405550	Right Angle Clip 90°	Concrete	75	5/8	0.102 x 3/4 or 0.102 x 0.780 (K)	DCN890075 or DCN8907804	55310 or 55341
	Attaching pencil rod, hooks & wire assemblies	DFD405530	Angle Clip 60°	Concrete	75	5/8			
	Hanging 1/4" threaded rod	DFD405214	Rod Hanger 1/4"	Concrete	75	5/8			
	Hanging 3/8" threaded rod	DFD405238	Rod Hanger 3/8"	Concrete	75	5/8			
	Hanging 1/4" threaded rod	DFD405215	Post Nut Rod Hanger 1/4"	Concrete	75	5/8			
	Hanging 3/8" threaded rod	DFD405239	Post Nut Rod Hanger 3/8"	Concrete	75	5/8			
Sheet Metal	Attach duct straps to suspend HVAC	DFD405112	Strap Mtl Washer 1/2"	Concrete	50	5/8	0.102 x 3/4 or 0.102 x 0.780 (K)	DCN890075 or DCN8907804	55310 or 55341
Concrete	Attaching #3 rebar/dowels or wire baskets	DFD405300	Rebar/Dowel Basket Clip	Concrete	50	5/8	0.102 x 3/4 or 0.102 x 0.780 (K)	DCN890075 or DCN8907804	55310 or 55341

See notes for this table on the following page.

Selection Guide and Performance Data (continued)

K = Knurled

- Fasteners installed into concrete or concrete masonry block must not be driven until the base material has reached the minimum specified compressive strength. Embedment is measured from the surface of the base material to the end of the fastener.
- For fasteners installed into concrete, the member thickness must be a minimum of 3 times the embedment depth of the fastener or 2 inches, whichever is greater.
- For installations into concrete or concrete masonry block, minimum fastener edge and end distance is 3-3/4 inches; minimum fastener spacing is 4 inches center-to-center.
- For installations into concrete masonry block, fasteners may be installed into the face shell or horizontal mortar joint. The face shell thickness of hollow concrete masonry block must be 1-1/4 inch minimum. Fasteners must be installed a minimum of 1-1/4 inch from the vertical mortar joints; allowable loads for fasteners installed in vertical mortar joints is outside the scope of this data.
- Allowable load capacities for concrete are based on a minimum concrete compressive strength of 3000 psi; allowable load capacities in concrete may be increased by 15 percent for installations into 4000 psi concrete and allowable load capacities must be reduced by 10 percent for installations into 2500 psi concrete. Allowable load capacities for concrete masonry block are based on a minimum masonry compressive strength of 2000 psi.
- Allowable load capacities for concrete and concrete masonry block are calculated using minimum required safety factors in accordance with ICC-ES AC70; the applied safety factor for the tabulated allowable loads is 5.0. Consideration of additional safety factors may be necessary depending on application such as life safety.
- Allowable loads for light gauge steel framing are calculated using minimum required safety factors in accordance ICC-ES AC259 using light gauge steel framed panels sheathed with DensGlass; the applied safety factor for the tabulated allowable loads is 3.0. Light gauge steel framing members must be minimum 18 gauge thickness. Allowable negative (outward) transverse pressure on the panels must not exceed 15 psf for the specified sheathing thickness, maximum steel stud spacing and fastener spacing. Consideration of additional safety factors may be necessary depending on the applicable design method and/or the application such as life safety. Wood members and/or other proprietary materials connected to the light gauge steel substrate must be investigated for compliance with the applicable codes.
- Multiple fasteners are recommended for any attachment for increased reliability.

ORDERING INFORMATION
Stick-E Assemblies

Cat. No.	Description	Ctn Qty.	Mstr Qty.
DFD405101	Stick-E Lathing Washer 1"	100	1000
DFD405100	Lathing Washer (No Stick-E)	100	1000
DFD405716	Stick-E Insulation Washer 1-7/16"	100	1000
DFD405901	Stick-E Denz Glass Washer 1-1/4"	250	1000
DFD405338	Stick-E BX Clip 3/8"	100	1000
DFD405412	Stick-E Conduit Clamp 1/2"	50	200
DFD405434	Stick-E Conduit Clamp 3/4"	50	200
DFD405410	Stick-E Conduit Clamp 1"	50	100
DFD405312R	Stick-E Mini Conduit Clip 1/2"	100	1000
DFD405334R	Stick-E Mini Conduit Clip 3/4"	100	1000
DFD405310R	Stick-E Mini Conduit Clip 1"	100	1000
DFD405902	Stick-E Cable Tie Donut 1-1/4"	100	1000
DFD405550	Stick-E Right Angle Clip 90°	100	1000
DFD405530	Stick-E Angle Clip 60°	100	1000
DFD405214	Stick-E Rod Hanger 1/4"-20	100	1000
DFD405238	Stick-E Rod Hanger 3/8"-16	100	1000
DFD405215	Stick-E Post Nut Rod Hanger 1/4"-20	100	1000
DFD405239	Stick-E Post Nut Rod Hanger 3/8"-16	100	1000
DFD405112	Stick-E Strap Mtl Washer 1/2"	100	1000
DFD405300	Stick-E Rebar/Dowel Basket Clip	100	1000
DFD405610	Stick-E Square Washer 1"	100	1000
DFD405102	Stick-E SS Sealing Washer 3/4"	100	1000

Angle clips are 3/4-inch wide and 2mm thick with a 5/16-inch wire hole.
 Rebar/dowel basket clips are sized to accept #3 rebar and 3/8-inch dowels.

