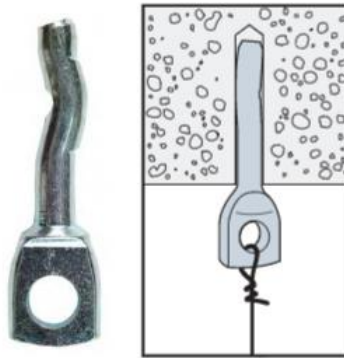


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TIE-WIRE CRIMP DRIVE ANCHOR

The following Specification Sheet applies to all **Tie-Wire Crimp Drive Anchors** in our **TD4 series**.



Carbon-Steel Crimp Drive Allowable Tension and Shear Loads
in Normal-Weight Concrete



Size (in.)	Drill Bit Diameter (in.)	Embed. Depth (in.)	Minimum Spacing (in.)	Minimum Edge Distance (in.)	Tension Load		Shear Load	
					$f'_c \geq 2,000$ psi Concrete	$f'_c \geq 4,000$ psi Concrete	$f'_c \geq 2,000$ psi Concrete	$f'_c \geq 4,000$ psi Concrete
					Allowable Load (lb.)	Allowable Load (lb.)	Allowable Load (lb.)	Allowable Load (lb.)
Tie Wire								
¼	¼	1 ½	3	3	155	215	265	325

1. The allowable loads listed are based on a safety factor of 4.0.
2. The minimum concrete thickness is 1 1/2 times the embedment depth.
3. Allowable loads may be linearly interpolated between concrete strengths listed.

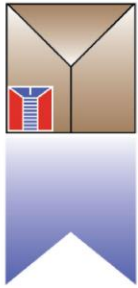
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229 Cross Street
Bristol, CT 06010

www.metallics.us

Phone: 860 589-4186 Toll Free: 800 243-8272

Fax: 860 584-1008 Toll Free Fax: 800 831-9358



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Carbon-Steel Crimp Drive Allowable Tension and Shear Loads
in Sand-Lightweight Concrete over Metal Deck



Size (in.)	Drill Bit Diameter (in.)	Embed. Depth (in.)	Minimum Spacing (in.)	Minimum Edge Distance (in.)	Tension Load (Install in Concrete)	Tension Load (Install through Metal Deck)	Shear Load (Install in Concrete)	Shear Load (Install through Metal Deck)
					f' _c ≥ 3,000 psi Concrete	f' _c ≥ 3,000 psi Concrete	f' _c ≥ 3,000 psi Concrete	f' _c ≥ 3,000 psi Concrete
					Allowable Load (lb.)	Allowable Load (lb.)	Allowable Load (lb.)	Allowable Load (lb.)
Tie Wire								
¼	¼	1 ½	3	3	130	90	275	210

1. The allowable loads listed are based on a safety factor of 4.0.
2. The minimum concrete thickness is 1 1/2 times the embedment depth.
3. Anchors may be installed off-center in the flute, up to 1" from the center of flute.
4. Anchor may be installed in either upper or lower flute.
5. Deck profile shall be 3" deep, 20-gauge minimum.

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