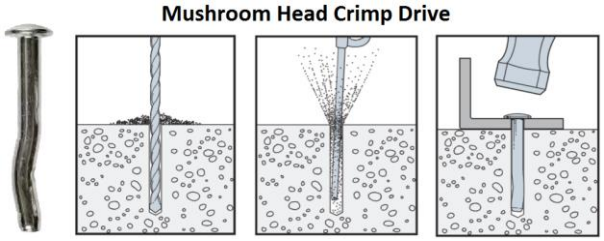
Metallics

An AMERICAN Source For Premier and Innovative Fasteners and Anchors

MUSHROOM HEAD CRIMP DRIVE ANCHORS

The following Specification Sheet applies to all **Mushroom Head Crimp Drive Anchors** in our **RD4 series**.

Mushroom Head Crimp Drive



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.)
Mushroom/Countersunk Head								
¼	¼	1¼	3	3	175	275	395	610

1. The allowable loads listed are based on a safety factor of 4.0.
2. The minimum concrete thickness is 1½ times the embedment depth.
3. Allowable loads may be linearly interpolated between concrete strengths listed.

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)
					$f'_c \geq 3{,}000$ psi Concrete	$f'_c \geq 3{,}000$ psi Concrete	$f'_c \geq 3{,}000$ psi Concrete	$f'_c \geq 3{,}000$ psi Concrete
					Allowable Load (lb.)	Allowable Load (lb.)	Allowable Load (lb.)	Allowable Load (lb.)
Mushroom/Countersunk Head								
¼	¼	1¼	4	4	145	130	375	890

1. The allowable loads listed are based on a safety factor of 4.0.
2. The minimum concrete thickness is 1½ 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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