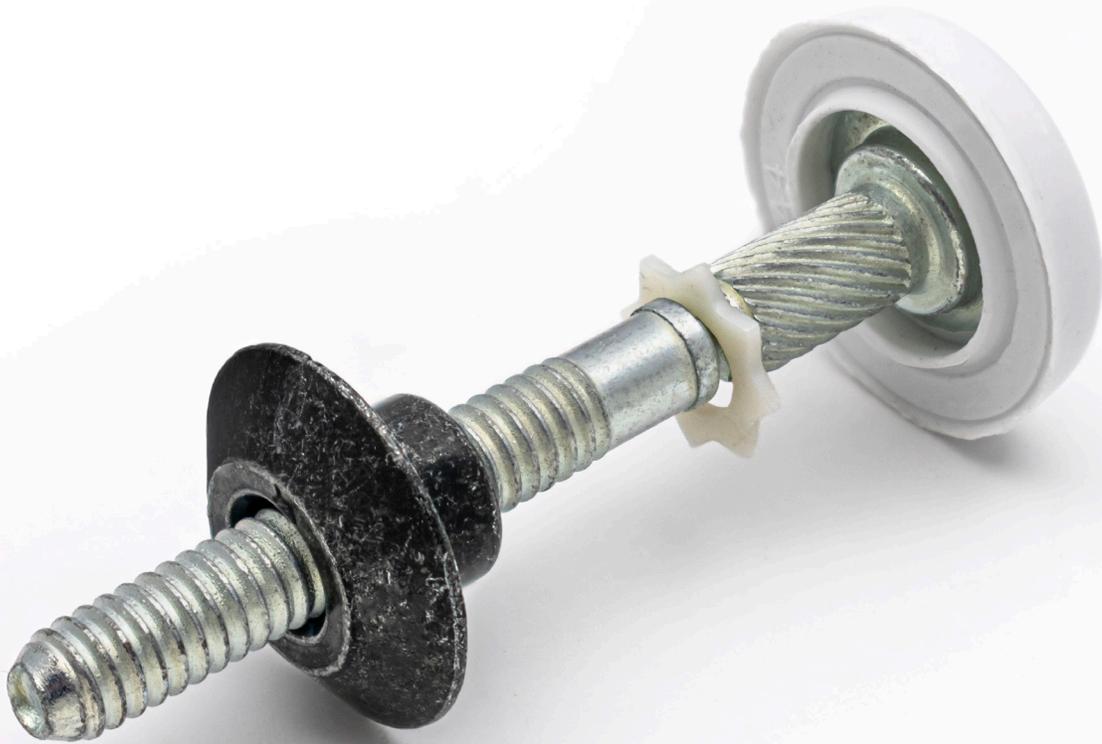




# Hucktainer<sup>®</sup>

For Metal-Clad Polymer Core  
Composite and Fiberglass Reinforced  
Panel Structures

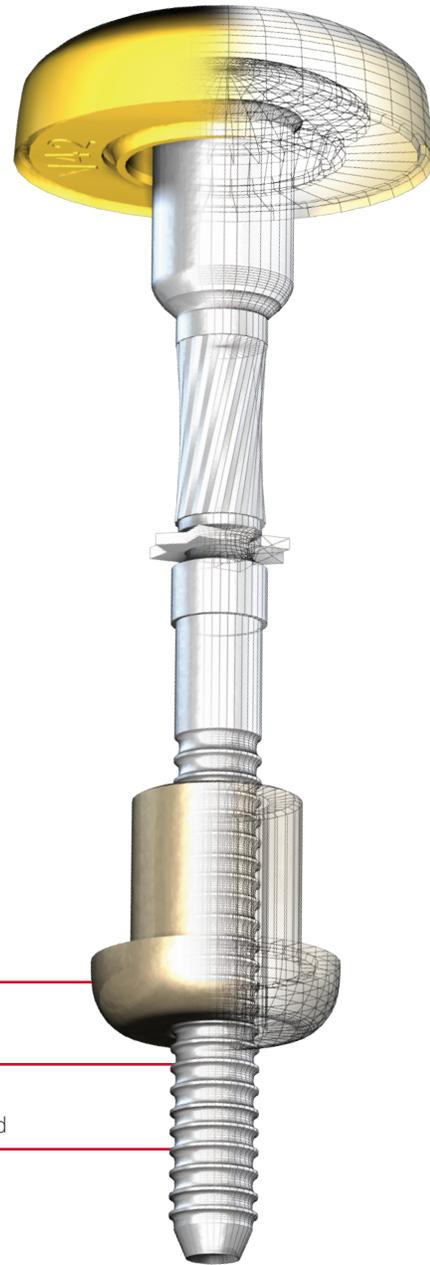


# Hucktainer®

## Two-Piece Specialty Fastener for Fiberglass Reinforced Plywood Panels

The Hucktainer® specialty fastener installs with a consistent pressure, reducing the potential for crushing or crazing FRP panels and metal-clad applications. Each features a heavy zinc plating that resists corrosion, and an integral seal that helps keep the elements and other contaminants from invading the joint. Unlike threaded fasteners, Hucktainer is never over-torqued or under-torqued. Consistent clamp and fast, foolproof installation is what you'll get every time with Hucktainer.

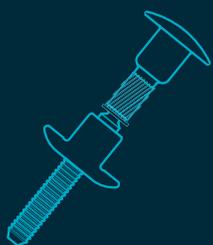
Designed specifically for truck trailers, truck bodies, cargo containers, and other structures fabricated from fiberglass reinforced plywood, Hucktainer fasteners provide the consistent clamp and fast, foolproof installation required for maximum product quality and productivity.



**Available Sizes** 3/8"

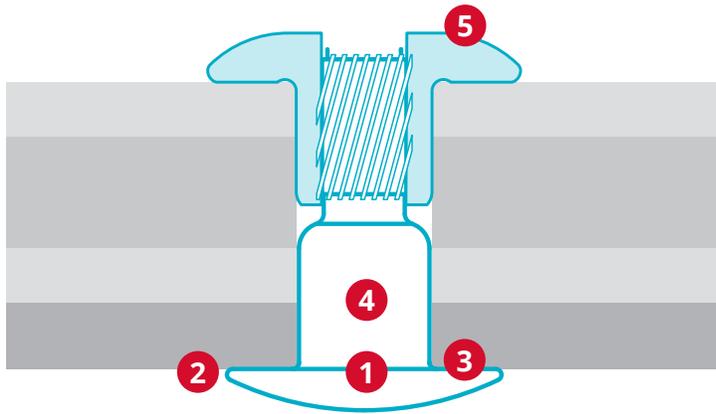
**Materials** Steel

**Headstyles** Standard, Medium-Bearing Encapsulated, Wide Bearing Encapsulated

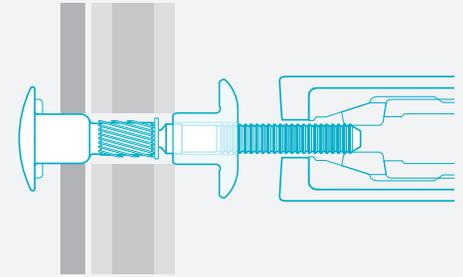


- ✓ Fast, quiet, foolproof installation
- ✓ Corrosion Resistant
- ✓ Spiral lock system, breakaway pintail, and smooth bore sleeve
- ✓ Resistant to over or under-torqued
- ✓ Tamper-resistant
- ✓ Custom coloring for encapsulations available
- ✓ Shorter grips available for today's thin metal-clad panels
- ✓ RoHS compliant

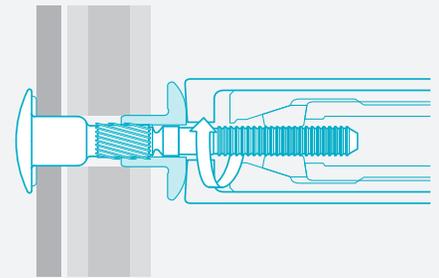
## Weather-Resistant Seal



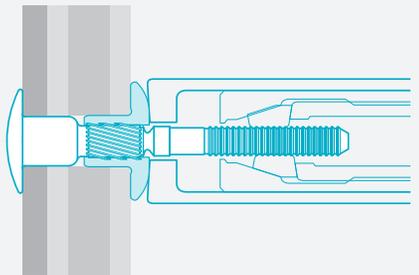
- 1 Lower profile head design saves cargo space.
- 2 Heads may be plastic-encapsulated for maximum corrosion-resistance; UV-resistant head capsules are colorfast and won't fade.
- 3 Integral weather-resistant seal provides protection from the elements.
- 4 Heavy-zinc plating protects against corrosion and preserves good looks.
- 5 One sleeve fits all pins; no need to mix and match.



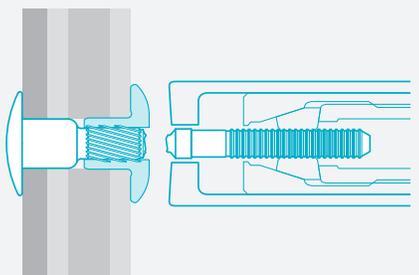
- 1 Insert pin and sleeve into prepared hole.



- 2 The installation tool is applied to the pintail. When the tool is activated, the sleeve is forced onto the spiral lock of the pin. The rotating action of the nose assembly allows the sleeve to turn freely.



- 3 The sleeve is fully engaged on the pin and locks onto the pin's splines to clamp the material tightly together.



- 4 Continued pull of the tool causes the pintail to break away, which completes the installation cycle.

# Hucktainer® MC

## Same High Performance for Today's Ultra-Thin Material

Hucktainer has been re-engineered to accommodate thinner stack-ups associated with metal-clad (MC) panels in truck and trailer assemblies. Like original Hucktainer, Hucktainer MC utilizes proprietary Huck technology, helping Hucktainer deliver both clamp and vibration resistance that can't be matched by conventional threaded fasteners.

Hucktainer MC also features an encapsulated head which forms an integral seal that helps keep the elements and other contaminants from invading the joint, and preserving good looks. If corrosion-resistant fasteners are not used in trailer body assembly, the chance of water damage significantly increases. Over time, this can affect joints and the surrounding metal-clad panels.



Hucktainer® MC

Hucktainer contributes a high degree of vibration and corrosion resistance when used with metal-clad panels.



## Data and Dimensions

### Metal Clad HLP

GRIP NO.	GRIP RANGE		A	B
	MIN	MAX		
-4 <sup>1</sup>	.187	.312	.338	1.993
-5	.250	.375	.400	2.055
-6	.312	.437	.462	2.118
-7	.375	.500	.525	2.180
-8	.437	.562	.588	2.243
-9 <sup>2</sup>	.500	.625	.650	2.305

### Standard HLP

GRIP NO.	GRIP RANGE		A	B
	MIN	MAX		
-93	.500	.625	.562	2.170
-10	.562	.687	.624	2.232
-11	.625	.750	.687	2.295
-12	.687	.812	.749	2.357
-13	.750	.875	.812	2.420
-14	.812	.937	.874	2.482
-15	.875	1.000	.937	2.545
-16	.937	1.062	.999	2.607
-17	1.000	1.125	1.062	2.670
-18	1.062	1.187	1.124	2.732
-19	1.125	1.250	1.187	2.795
-20	1.187	1.312	1.249	2.857
-21	1.250	1.375	1.312	2.920
-22	1.312	1.437	1.374	2.982
-23	1.375	1.500	1.437	3.045
-24	1.437	1.562	1.499	3.107
-25	1.500	1.625	1.562	3.170
-26	1.562	1.687	1.625	3.232
-27	1.625	1.750	1.687	3.295
-28	1.687	1.812	1.750	3.357
-294	1.750	1.875	1.812	3.420

### Pin Locks

All HLP's now come standard with a pin lock, which assists in a semi-one-side installation. That is, it helps to keep the pin in the hole while placing a sleeve over the pintail. It also keeps the pins from falling back through from the shock of their neighboring fasteners being installed.

Now you can get pin locks that are color coded to help identify specific grip lengths of loose fasteners from a distance.

Currently the color coded pin locks are only available on HLPMC products. All standard HLP pins have white pin locks.

### Materials and Finishes

PART	MATERIAL	FINISH
<b>METAL-CLAD HLP</b>		
Sleeve	Steel	Zinc/Black Chromate
Pin	Steel	Zinc/Clear Chromate
<b>STANDARD HLP</b>		
Sleeve	Steel	Zinc/Gold Chromate
Pin	Steel	Zinc/Clear Chromate

### Tensile (lbf)

<b>METAL-CLAD HLP</b>	
Minimum Grip	1600
Mid Grip	1000
Maximum Grip	600
<b>STANDARD HLP</b>	
Minimum Grip	1800
Mid Grip	1200
Maximum Grip	800

### Recommended Hole Size

Hole Diameter	.405-.421
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#### Note:

Only wide bearing pin HLPSPGE( ) and/or wide bearing sleeve HLPSPG should be used directly against FRP. Consult us for stock status; minimums may apply. Available only in encapsulated configuration.

<sup>1</sup> Available encapsulated only.

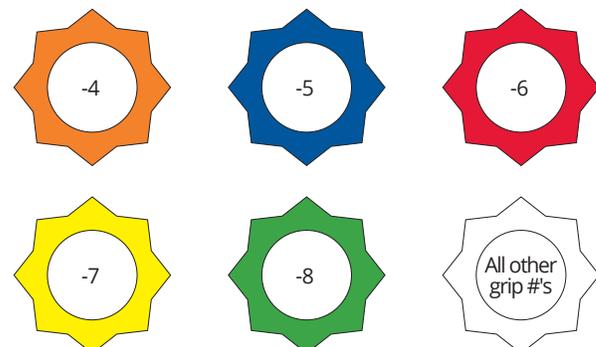
<sup>2</sup> For encapsulated - 9 see STD HLP.

<sup>3</sup> For unencapsulated see HLPMMC.

<sup>4</sup> Not available encapsulated.

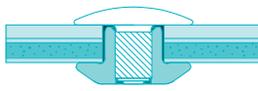
All dimensions are in inches.

### HLPMC Pin Lock Colors



## Recommended Installation Configurations

### Metal-Clad



HLPMC-R12-( ) and  
HLPSCS-R12



HLPMC( \*)-R12-( ) and  
HLPSCS-R12



HLPMC( \*)-R12-( ) and  
HLPSCS-R12

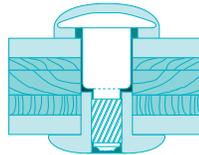
### Standard



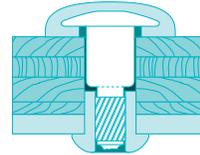
HLPP-R12-( ) and  
HLPS-R12



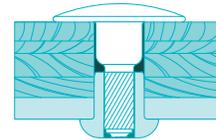
HLPP-R12-( ) and  
HLPSC-R12



HLP( )-R12-( ) and  
HLPSC-R12



HLPE( )-R12-( ) and  
HLPSC-R12



HLP30-R12-( ) and  
HLPSC-R12



HLP30-R12-( ) and  
HLPSC-R12

### Materials Legend



Aluminum,  
steel, etc.



FRP or other clamp-  
sensitive material.



Metal-clad or other clamp-  
sensitive material.

**Note:** Only wide bearing heads to be used directly against FRP (i.e. HLPS, HLPE( ), and HLP30)

# Installation Tooling

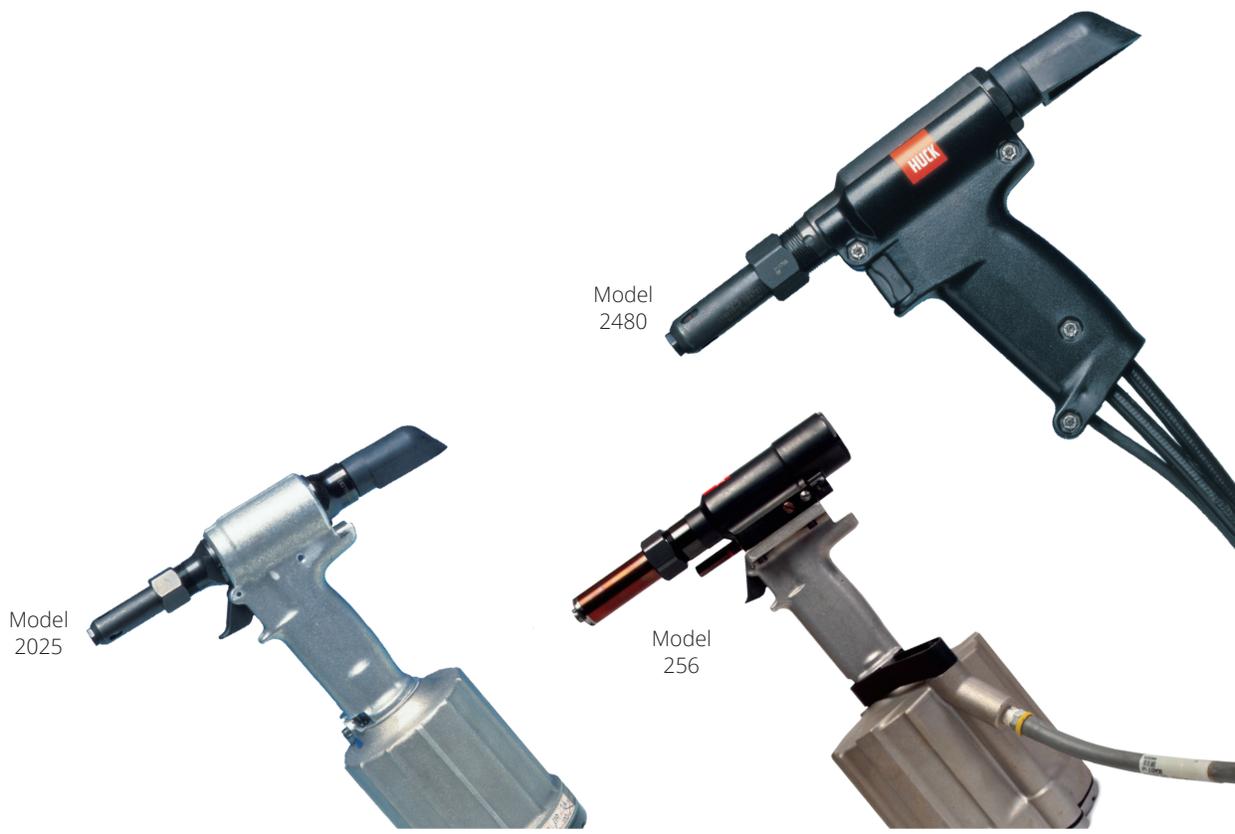
Howmet Fastening Systems offers air and hydraulic Huck® brand installation tools and nose assemblies to accommodate all fastener types, diameters, and applications. Air tools operate on 90-100 psi air pressure; the lighter weight hydraulic tools operate on pressurized hydraulic fluid supplied by an electrically powered Huck Powerig® unit. Hydraulic hose kits for Powerig units are available in lengths of 12 to 52 feet.

## Installation Tooling

TOOL	NOSE ASSEMBLY	WEIGHT (LBS)	SIZE (L X W X H)	STROKE (INCHES)	PULL FORCE (LBS)	TYPE
<b>Pneudraulic Tools</b>						
2025	99-3464 99-3464-1	5.75	8.4" x 4.4" x 12.5"	0.675	5290	
255	99-3438	8.8	7.1" x 4.6" x 14.9"	0.625	7750	Concentric
256	99-3438	11.1	7.8" x 6.1" x 14.9"	0.88	9986	Concentric
245	99-3438	8.8		0.625	7750	Eccentric
246	99-3438	11.1		0.88	9986	Eccentric
<b>Hydraulic Tools</b>						
2480	99-3464 99-3464-1	2.2	8.6" x 1.9" x 6.5"	0.875	5700	
2580	99-3438	6.1	8.4" x 2.2" x 6.5"	0.94	10700	

## Powerigs®

MODEL	FLOW RATE	WEIGHT (LBS)	SIZE (L X W X H)	POWER
918	2 gpm	708	44" x 25" x 30"	Electrical: 220, 440, 550 volts, 3 phase
940	70 in3/min flow rate	75	12.5" x 10.5" x 18"	Electrical: 115, 220 volts, 1 phase
913H	139 in3/min flow rate	175	24" x 21" x 27"	Gasoline
968	50 in3/min flow rate	93	10.5" x 16.3" x 15.7"	Compressed air, minimum 50 CPM





**HOWMET  
AEROSPACE**

# Howmet Fastening Systems

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