

Hucktainer[®] Fastener System

**for Fiberglass Reinforced Plywood &
Composite Structures**





The Fasteners Made for Fiberglass Reinforced Plywood

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.

Hucktainer fasteners will not crush, craze, or bull-nose FRP panels. Their heavy zinc plating resists corrosion for the long haul; available plastic encapsulation offers even greater anti-corrosion protection, plus color that will never fade. And every fastener includes an integral seal to help keep the elements and other contaminants from invading the joint.

Swift, Secure Installation

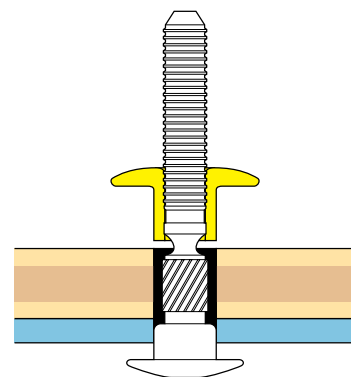
Requiring only a few seconds each to install — followed by a quick, visual inspection to verify flushness — Hucktainer fasteners reduce assembly time. A single sleeve fits all pin sizes, accelerating the process even further. What's more, prepared holes do not have to be perfectly aligned, because the Hucktainer's spiral-lock system, with breakaway pintail, ensures consistent installation, time after time.



A Worker-Friendly Fastener

Unlike impact wrenches, the tools used to install Hucktainer fasteners are almost whisper-quiet. That means a less stressful, inherently safer workplace. Comfortable, ergonomically designed grips combined with easy-to-pull triggers minimize muscle strain and the possibility of repetitive-stress syndrome.

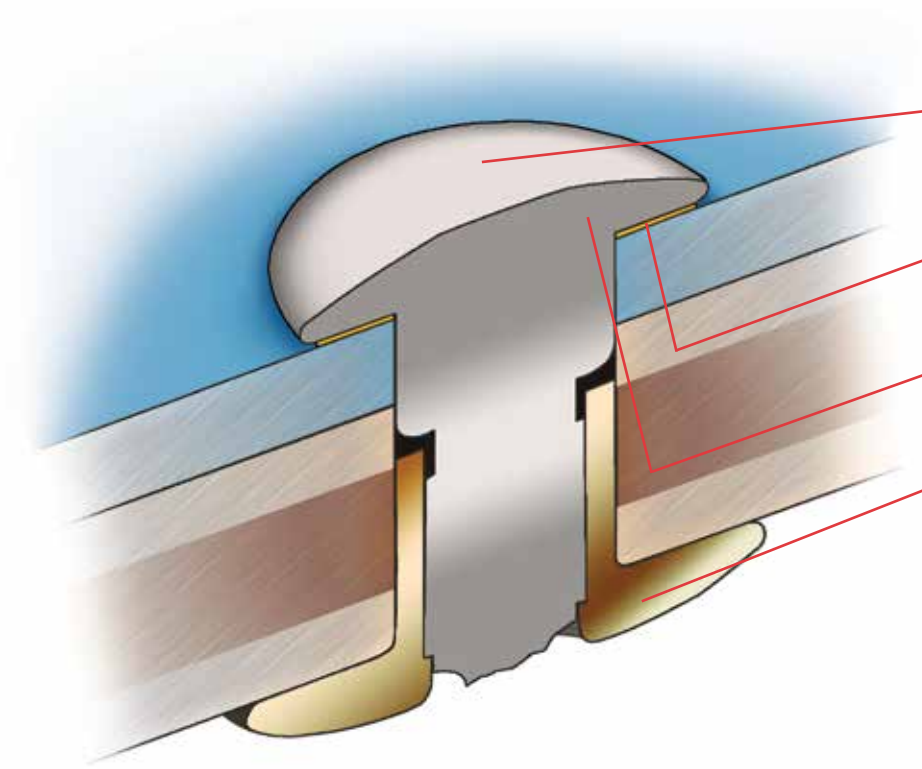
Hucktainer installation tools further accommodate your requirements with the choice of air-powered or hydraulic operation.



1

The pin and sleeve are inserted into the prepared hole.

Hucktainer® Fasteners



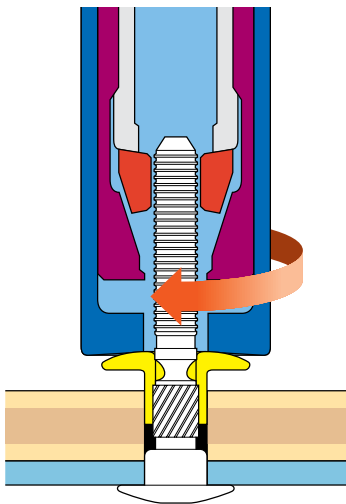
Lower profile head design can save cargo space.

Heads may be plastic-encapsulated for maximum corrosion resistance or added aesthetic appeal; the UV-resistant head capsules are colorfast and won't fade.

Integral weather-resistant seal provides protection from the elements.

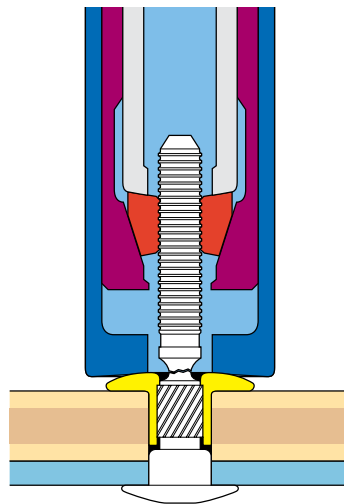
Heavy zinc plating protects against corrosion and preserves good looks.

One sleeve fits all pins; no need to mix and match.



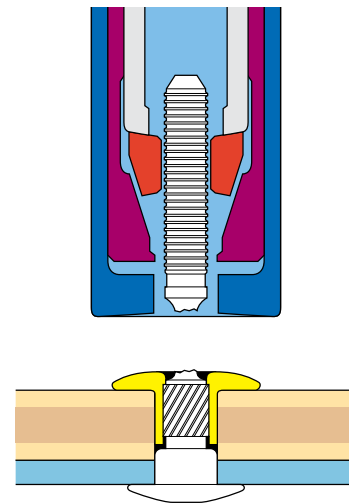
2

The installation tool is applied to the pin-tail. 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.



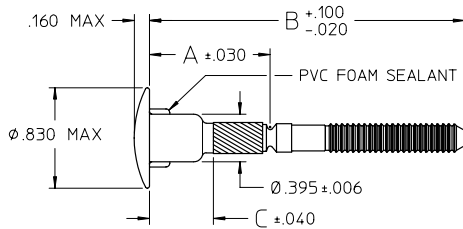
4

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

Hucktainer® Fasteners

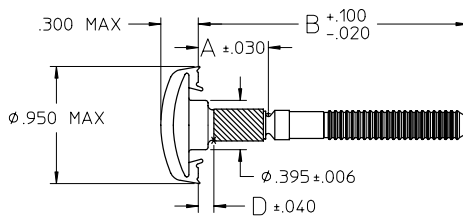
Standard Low Profile Head HLPP-R12-()

Short Grip Standard Low Profile Head HLPSPG-R12-()



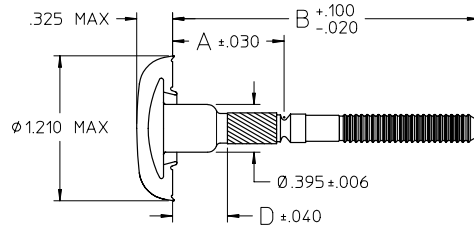
Standard Medium Bearing Encapsulated Head HLPM(*)-R12-()

Short Grip Medium Bearing Encapsulated Head HLPSPGM(*)-R12-()



Standard Wide Bearing Encapsulated Head HLPE(*)-R12-()

Short Grip Wide Bearing Encapsulated Head HLPSPGE(*)-R12-()



* Add encapsulated color:

W = white

G = gray

RY = Ryder yellow

HY = Hertz yellow

Consult HUCK for other colors.

Grip Data — Standard

Grip No.	Grip Range		Dimensional Data — Standard			
	Min	Max	A	B	C	D
-9	.500	.625	.562	2.170	**	.017
-10	.562	.687	.624	2.232	.154	.079
-11	.625	.750	.687	2.295	.217	.142
-12	.687	.812	.749	2.357	.279	.204
-13	.750	.875	.812	2.420	.342	.267
-14	.812	.937	.874	2.482	.404	.329
-15	.875	1.000	.937	2.545	.467	.392
-16	.937	1.062	.999	2.607	.529	.454
-17	1.000	1.125	1.062	2.670	.592	.517
-18	1.062	1.187	1.124	2.732	.654	.579
-19	1.125	1.250	1.187	2.795	.717	.642
-20	1.187	1.312	1.249	2.857	.779	.704
-21	1.250	1.375	1.312	2.920	.842	.767
-22	1.312	1.437	1.374	2.982	.904	.829
-23	1.375	1.500	1.437	3.045	.967	.892
-24	1.437	1.562	1.499	3.107	1.029	.954
-25	1.500	1.625	1.562	3.170	1.092	1.017
-26	1.562	1.687	1.625	3.232	1.154	1.079
-27	1.625	1.750	1.687	3.295	1.217	1.142
-28	1.687	1.812	1.750	3.357	1.279	1.204
-29	1.750	1.875	1.812	3.420	1.342	1.267
-30	1.812	1.937	1.875	3.482	1.404	NA

NOTE:

Only wide bearing pin HLPE () and/or wide bearing sleeve HLPSP should be used directly against FRP.

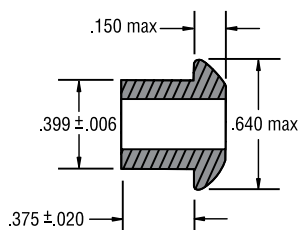
Grip Data — Short Grip

Grip No.	Grip Range		Dimensional Data — Short Grip			
	Min	Max	A	B	C	D
-7	.375	.500	.500	2.120	NA	NA
-8	.437	.562	.562	2.182	.125	.050
-9	.500	.625	.624	2.244	.187	**

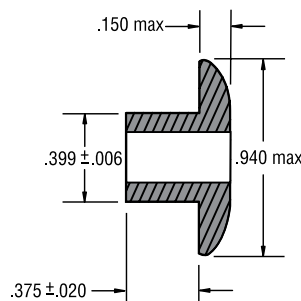
NOTE:

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

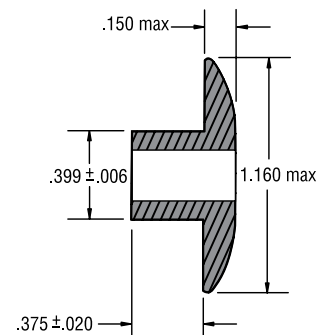
Clearance Sleeve HLPSC-R12



Medium Bearing Sleeve HLPSPM-R12

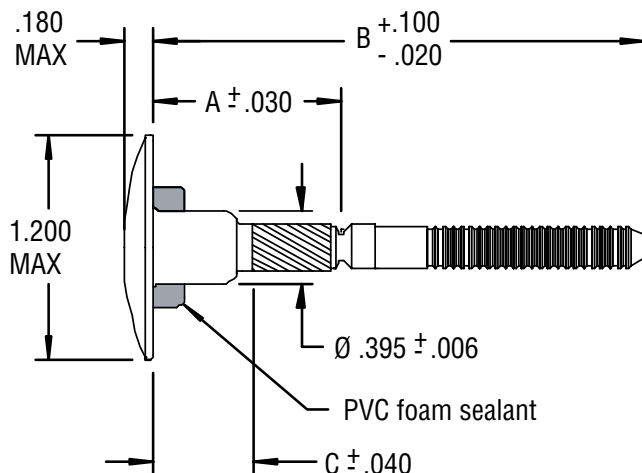


Large Bearing Sleeve HLPSP-R12

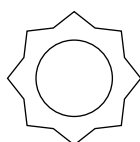
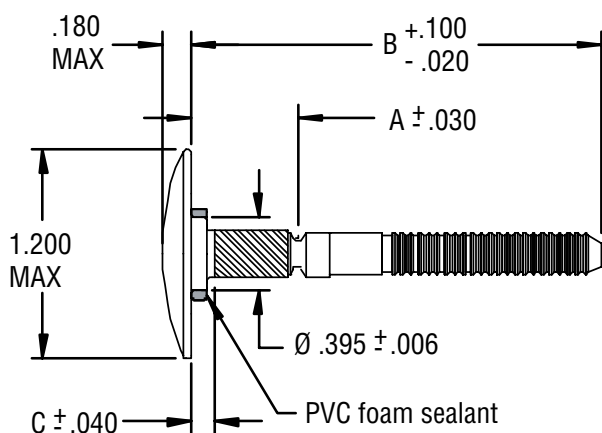


Hucktainer® Fasteners

HLP30-R12-() Large Bearing Low Profile Head



HLP30SG-R12-() Large Bearing Short Grip Low Profile Head



Pin-Lock

The Pin-Lock is an option that can be ordered by adding "PL" suffix to the pin part number. The Pin-Lock is a nylon "star" that retains the pin in the hole prior to installation.

Mechanical Values (lbs) Typical

	Min Grip	Mid Grip	Max Grip
Clamp		700	
Tensile	800	1200	1800

Grip and Dimensional Data — Large Bearing

Grip No.	Grip Range Min	Grip Range Max	A	B	C
-8	.437	.562	.562	2.182	.125
-9	.500	.625	.624	2.244	.187
-10	.562	.687	.624	2.232	.154
-11	.625	.750	.687	2.295	.217
-12	.687	.812	.749	2.357	.279
-13	.750	.875	.812	2.420	.342
-14	.812	.937	.874	2.482	.404
-15	.875	1.000	.937	2.545	.467
-16	.937	1.062	.999	2.607	.529
-17	1.000	1.125	1.062	2.670	.592
-18	1.062	1.187	1.124	2.732	.654
-19	1.125	1.250	1.187	2.795	.717
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-22	1.312	1.437	1.374	2.982	.904
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-27	1.625	1.750	1.687	3.295	1.217
-28	1.687	1.812	1.750	3.357	1.279
-29	1.750	1.875	1.812	3.420	1.342
-30	1.812	1.937	1.875	3.482	1.404

NOTE:

Only wide bearing sleeves HLP30-()/HLP30SG-() and/or wide bearing pins HLP30/HLP30SG should be used directly against FRP.

Consult factory for stock status; minimums may apply.

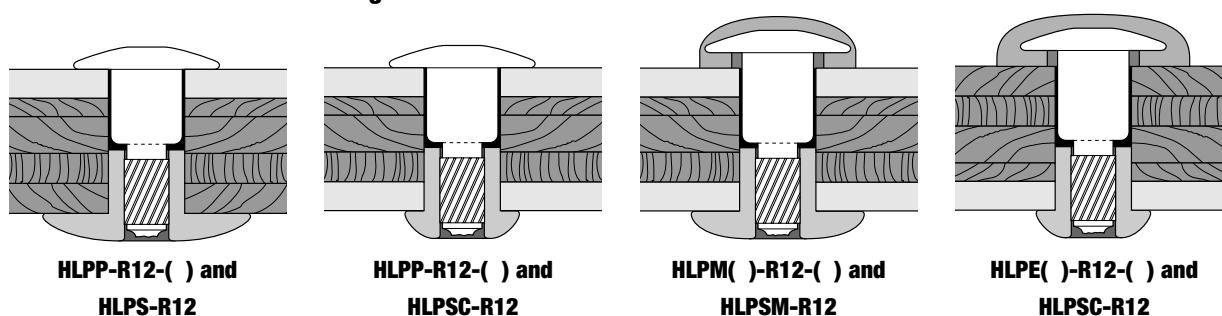
Materials and Finishes

	Material	Finish
Sleeve	Steel	Zinc Plated Gold Chromate
Pin	Steel	Zinc Plated Clear Chromate

Recommended Hole Size

Diameter	Hole Diameter
.395	.405 - .421

Recommended Installation Configurations



Huck® Installation Tooling

Alcoa 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

weighing 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.

Air Tools

Tooling	Nose Assembly
2025	99-3464
255/256	99-3438

Hydraulic Tools

Tooling	Nose Assembly
2500 Series	99-3438
2480	99-3464
2580	99-3438

Huck POWERIG Hydraulic Units

Model 918	Model 918S	Model 940	Model 913 (not shown)
High-production applications	High-production applications	Portable; production and repair	Portable; production and repair
Operates up to 2 tools; 2 gpm flow rate	Operates up to 3 tools; 1.33 gpm flow rate	70 in ³ /min flow rate	Gasoline powered
Electrically powered; 220, 440, or 550 volts, 3 phase	Electrically powered; 220, 440, or 550 volts, 3 phase	Electrically powered; 115 or 220 volts, single phase	—
Weighs 708 lbs, operational	Weighs 724 lbs, operational	Weighs 75 lbs	Weighs 175 lbs
44"L x 25"W x 30"H	44"L x 25"W x 30"H	12.5"L x 10.5"W x 18"H	24"L x 21"W x 27"H



**Hydraulic POWERIG
Model 940**



Model 2580 Hydraulic Tool

Weight:	6.1 lbs
Length:	8.4"
Height:	6.5"
Width:	2.2"



**Hydraulic POWERIG
Model 918**



Model 2480 Hydraulic Tool

Weight:	2.2 lbs
Length:	8.6"
Height:	6.5"
Width:	1.9"

Huck® Installation Tooling



Model 255 Air Tool

Weight:	8.8 lbs
Length:	7.1"
Height:	14.9"
Width:	4.6"



Model 256 Air Tool

Weight:	11.1 lbs
Length:	7.8"
Height:	14.9"
Width:	6.1"



Model 2025 Air Tool

Weight:	5.75 lbs
Length:	8.4"
Height:	12.5"
Width:	4.4"



Alcoa Fastening Systems



For more than 120 years, the name Alcoa has been recognized worldwide as a strong leader in product quality and customer support. These strengths are found in every product manufactured for Alcoa Fastening Systems, offering the greatest breadth and depth of fastening system solutions in the industry.

Alcoa Fastening Systems (AFS) maintains company offices in the United States and in many other countries. AFS fastener distributors are also located in many of the world's industrial centers, where they provide a ready source of AFS fasteners, installation tools, tool parts, and application assistance.

Americas

Industrial Fastener Division
8001 Imperial Drive
Waco, TX 76712, USA
P.O. Box 8117
Waco, TX 76714-8117, USA
Tel: 800 388 4825
Fax: 800 798 4825

Installation Tool Division
1 Corporate Drive
Kingston, NY 12401, USA
Tel: 800 278 4825
Fax: 845 334 7333

AFS Industrial Distribution
Group Headquarters
1925 North MacArthur Drive
Tracy, CA 95376, USA
Tel: 800 826 2884
Fax: 209 839 3022

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**Alcoa
Fastening
Systems**

