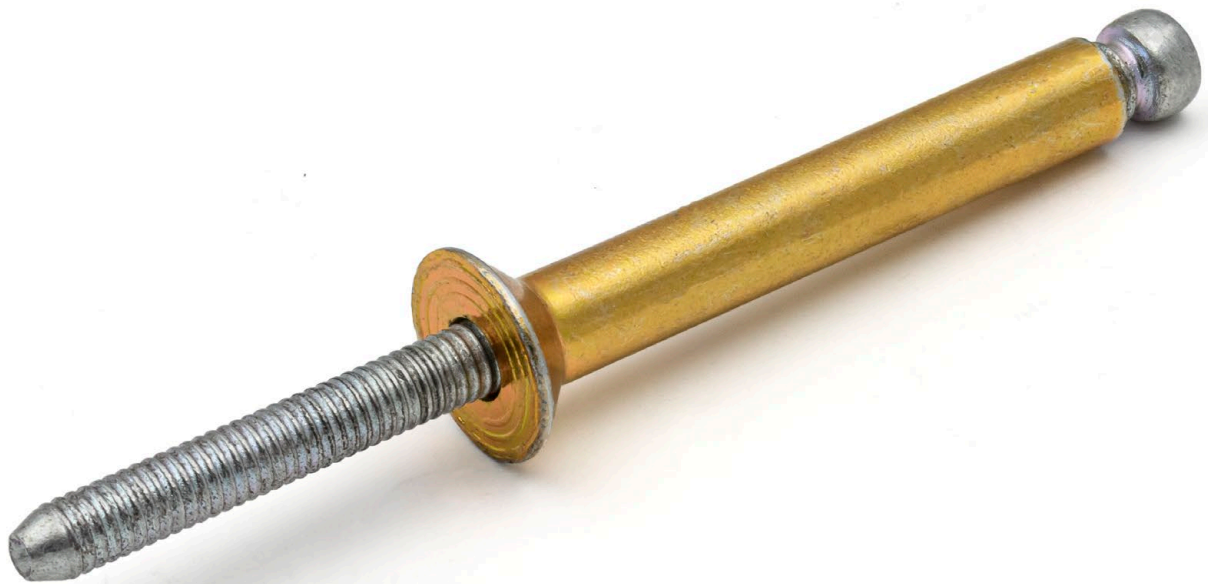




FloorTight®

Designed for
Plywood and Plymetal
Floor Applications



Huck® FloorTight®

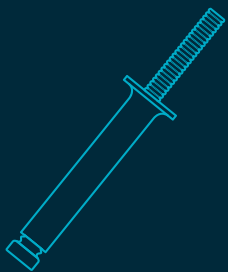
The Only Controlled, Self-Countersinking
Blind Fastener Commercially Available

Originally designed for large vehicle flooring installations, Huck® FloorTight® is ideal for all wood-to-metal applications, especially plywood and plymetal. FloorTight's self-countersinking head eliminates the secondary counterboring process in plywood, and eliminates dimpling in metals. Unlike screws that can be over-torqued or under-torqued, FloorTight ensures consistent, reliable installation every time.

Available Sizes 1/4", 5/16"

Materials Steel

Headstyles Standard, Wide Flange, Plymetal, 90° Flush



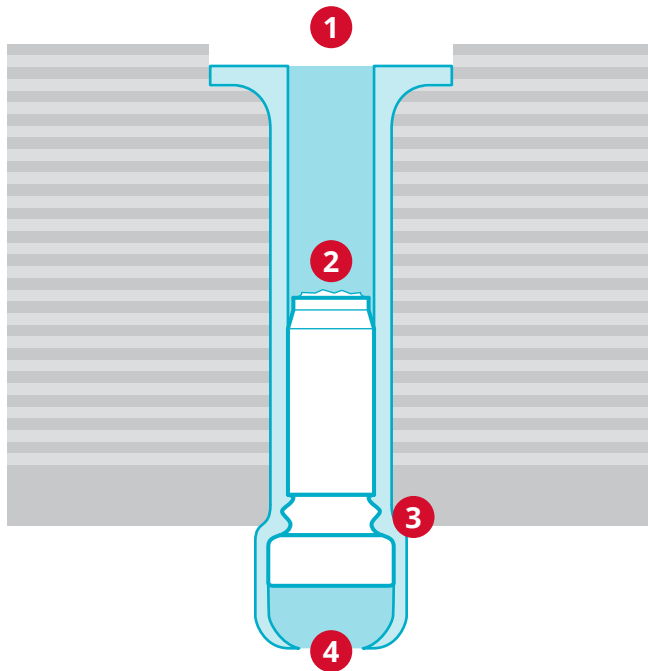
✓ Self-countersinking feature

✓ Large grip range

✓ Watertight

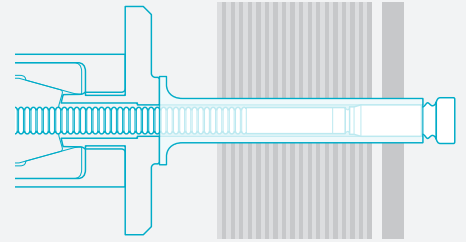
✓ Easy removal, no damage

Secure, Fast Installation



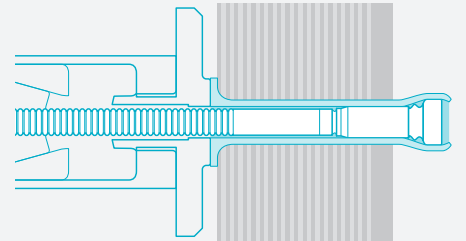
- 1 Self-countersinking head eliminates the counter-boring process in plywood, as well as dimpling in plymetal floors.
- 2 A high-strength pin locks in place within the shear plane for added holding power and durability.
- 3 360° internal locking feature creates a solid mechanical lock to prevent loosening.
- 4 Expansion within the weather-side stringer, coupled with the 360° internal lock provides excellent moisture resistance on the weather side.

Howmet Fastening Systems



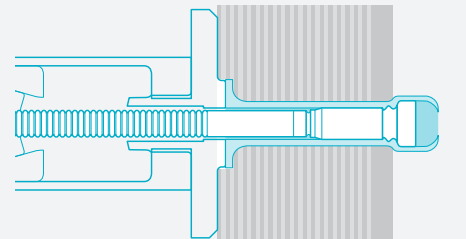
Insert fastener in hole. Apply installation tool.

1



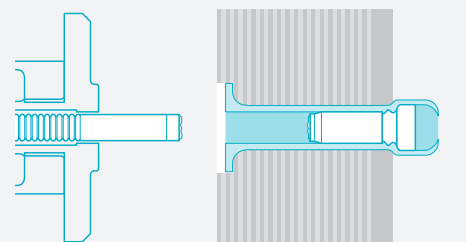
The Huck installation tool is placed over the pintail. When the trigger is pressed, the nose assembly jaws pull on the pintail, drawing the pin through the sleeve, causing the blind side sleeve to expand, partially setting the sleeve in the top sheet and pulling out all the sheet gap.

2



Continued pulling on the pintail forms a mechanical lock between the pin and sleeve end. The anvil on the installation tool then countersinks the fastener head into the top of the material to a preset depth set by the anvil. The anvil's large bearing face then prevents further travel of the sleeve head into the top material.

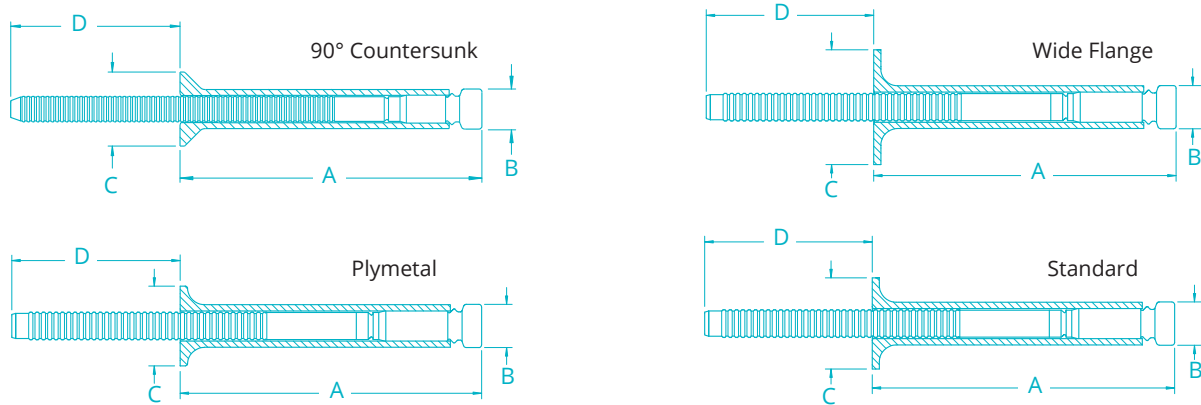
3



The pin is then separated in tension at the break neck groove.

4

Data and Dimensions

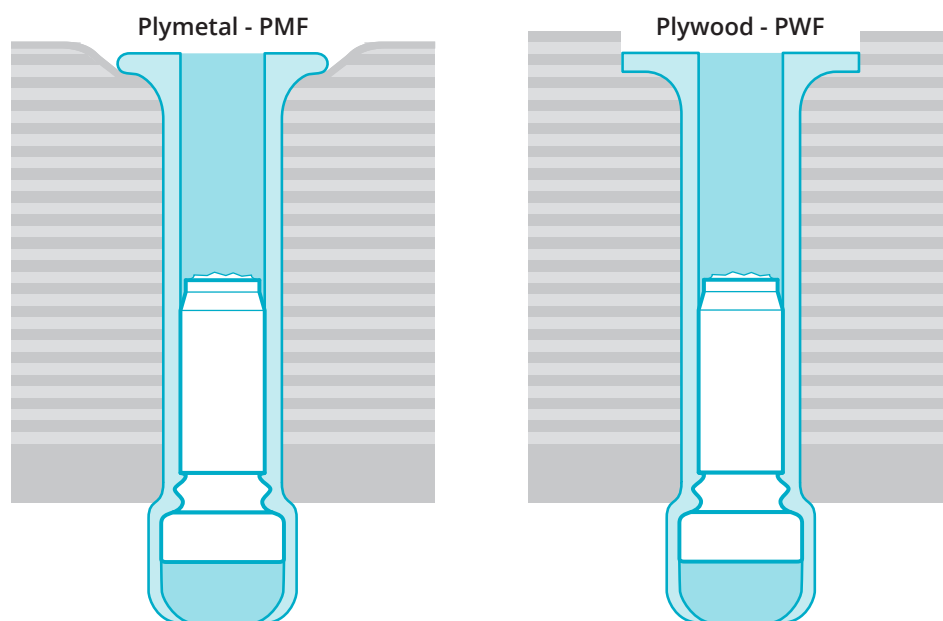


FloorTight Dimensions

DIA.	PART NO.	GRIP RANGE	A MAX	B MAX	C MIN	D MIN	COMPRESSION
Plywood Fastener - Standard Head							
8 (1/4")	PWF-R8-20	.750-1.375	2.000	0.260	0.610	1.100	High
10 (5/16")	PWF-R10-20 ¹	.750-1.375	2.125	0.325	0.650	1.000	High
	PWF-R10-26 ¹	.750-1.625	2.500	0.325	0.650	1.000	High
	PWFMC-R10-20	.750-1.375	2.125	0.325	0.650	1.000	Medium
	PWFMC-R10-X24	1.150-1.625	2.500	0.325	0.650	1.000	Medium
	PWFMC-R10-26	.750-1.625	2.500	0.325	0.650	1.000	Medium
	PWFMC-R10-20	.750-1.375	2.125	0.325	0.650	1.000	Low ²
Plywood Fastener - Wide Flange							
10 (5/16")	PFW-R10-20	.750-1.375	2.125	0.325	0.850	1.000	Standard
	PFWLC-R10-20	.750-1.375	2.125	0.325	0.850	1.000	Low ²
Plymetal Fastener							
10 (5/16")	PMF-R10-20	.750-1.375	2.125	0.325	0.590	1.000	Standard
	PMF-R10-26	.750-1.625	2.500	0.325	0.590	1.000	Standard
	PMFMC-R10-20	.750-1.375	2.125	0.325	0.590	1.000	Medium
90° Countersunk Head							
8 (1/4")	PWF90-R8-20 ³	.750-1.375	2.000	0.260	0.465	1.100	High

FloorTight fasteners may be available with a stainless steel sleeve. Please see manufacturer for details.

¹ For use in more dense plywood ² Low-compression fasteners will not self-countersink for a flush installation. ³ For use in more dense plywood or plymetal



Note: The blind-side stringer must withstand force of fastener installation without pulling through the material. The manufacturer recommends a minimum of 1/8", however, stringers as thin as .100" may function properly under certain conditions. Fastener performance may vary depending on the grade of plywood.

Installed Fastener Values (Typical)

DIA.	FASTENER	TENSILE	SHEAR*	PIN RETENTION
8 (1/4")	PWF	2400	4000	200
	PWF90	2400	4000	200
10 (5/16")	PWF	3000	4300	500
	PFWF	3000	4300	500
	PWFMC	3000	4300	200
	PWFLC	2800	4300	200
	PFWWLC	2800	4300	200
	PMF	3000	4300	500
	PMFMC	3000	4300	200

* With pin in shear plane

Hole Preparation Data

DIA.	MIN	MAX	RECOMMENDED
8 (1/4)	.261	.272	.266 (H Drill)
10 (5/16)	.328	.339	.332 (Q Drill)

Material, Finish and Lubrication

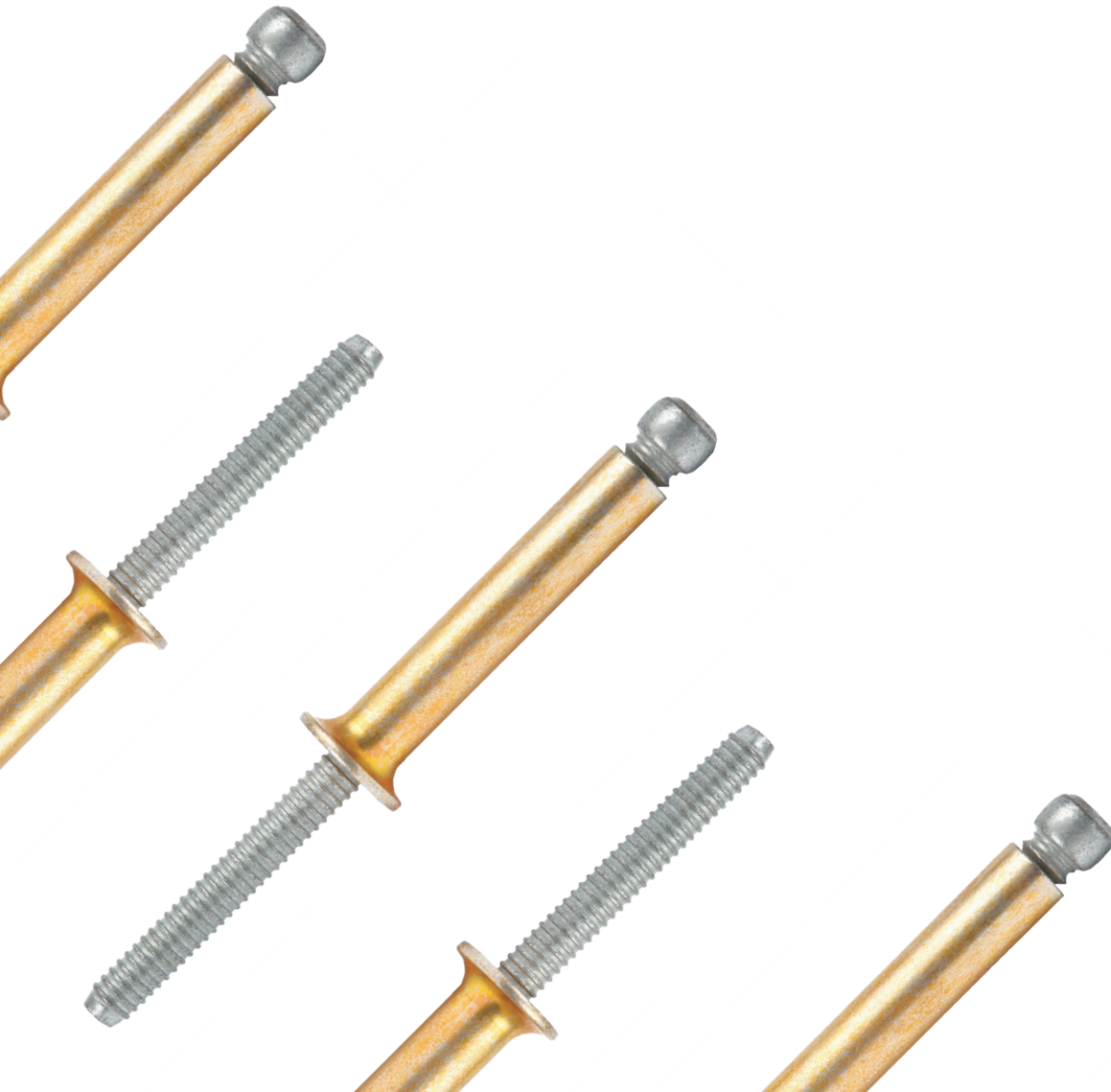
PART	MATERIAL	FINISH	LUBRICATION
Sleeve	Steel	Zinc electroplate with gold chromate	Dy film
Pin	Steel	Black	Wax film

Ordering Information

Follow the form below to construct a part number for ordering Huck FloorTight fasteners. Refer to the Grip Data chart for grip numbers. (Fastener Type) (Head Style) (Compression Level) - (Material) (Diameter) - (Grip Number)

Example: PFWWLC-R10-20 is a Plywood fastener, Wide Flange, Low Compression, Steel, 5/16" Diameter.

FASTENER TYPE		HEAD STYLE		COMPRESSION		MATERIAL		DIAMETER		GRIP NUMBER
Plywood	PWF	Wide Flange	W	Medium	MC	Steel	R	1/4"	8	Please refer to the fasteners data chart
Plywood	PMF	90° Countersunk	90	Low	LC			5/16"	10	

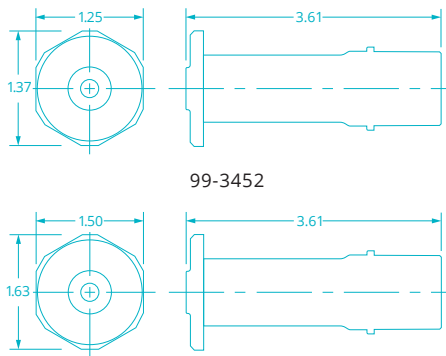


Installation Tooling

Installation Tools

NOSE ASSEMBLY	SIZE	PNEUDRAULIC		HYDRAULIC
		TOOL MODEL		
		255*	256	2480
	1/4"	99-3441	99-3441	99-3441
	5/16"	99-3452	99-3452	99-3452

* .625" stroke may be insufficient for some applications



99-3452

Model 2580

Model 256

Model 255

Tooling Weight and Dimensions

MODEL	TYPE	WEIGHT	LENGTH	HEIGHT	WIDTH
255	Pneudraulic	8.8 lbs	7.1"	14.9"	4.6"
256	Pneudraulic	12.30 lbs	8.37"	4.63"	2.25"
2580	Hydraulic	6.6 lbs	8.4"	6.5"	2.2"

POWERIG® Hydraulic Units

Huck hydraulic units provide pressurized hydraulic fluid for installation tools. The Model 940 is a mid-sized unit designed for production and repair applications. For more demanding production choose the Model 918, it can power up to three tools with no performance loss. Both of these units are electrically powered. Hose kits are available in lengths of 12' to 52'.



Model 940



Model 918



**HOWMET
AEROSPACE**

Howmet Fastening Systems

Industrial Division Brands



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