

Fastening Technology / Lockbolt Systems

HUCKTAINER® Plus

Lockbolt System for Composite Materials



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HUCKTAINER® Plus



HUCKTAINER® Plus is a two-piece fastener used in vehicle and container construction to join plywood or similar materials. Various sizes of HUCKTAINER® Pins can be chosen, depending on the thickness of the material, and installed using the HUCKTAINER® sleeve.

HUCKTAINER® Plus lockbolt system for composite materials

Criteria for selecting HUCKTAINER® sleeves:

1. For direct-tension installation on plywood or similar materials, the wide bearing sleeve, Article No. 378 250 000, is used (see Figure 1)
2. For direct-tension installation on metal-clad plywood or similar materials, or for installation on metal profiles, the narrow bearing sleeve, Article No. 378 251 000, is used (see Figure 2).

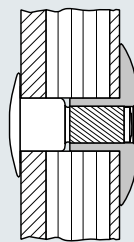


Figure 1

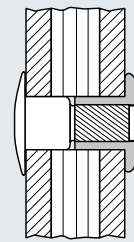


Figure 2

Criteria for selecting HUCKTAINER® sleeves

Benefits at a glance

- Fastens sandwich panels
- Extremely wide grip range (Multigrip) reduces the number of different fasteners required
- High tensile strength
- Tight-fitting
- Temperature-resistant
- Very flat and space-saving installation
- No sharp edges
- Alternative head diameters available
- Quick to install using lightweight tools. No need for cover profiles or washers.
- Corrosion-resistant, the zinc plating resists corrosion. HUCKTAINER® pins feature 10 µm zinc plating, while the colourless passivate HUCKTAINER® sleeves feature 10 µm zinc plating and yellow chromate

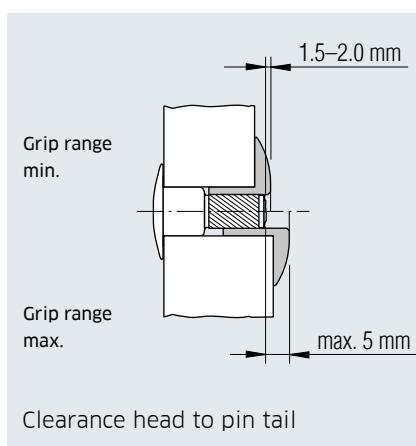
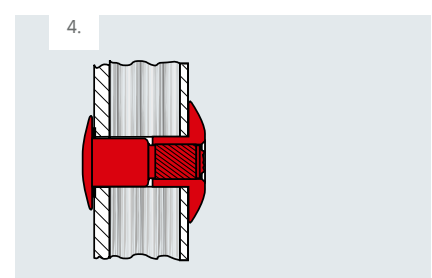
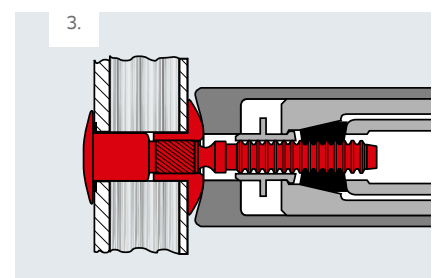
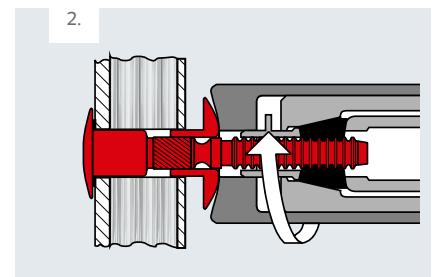
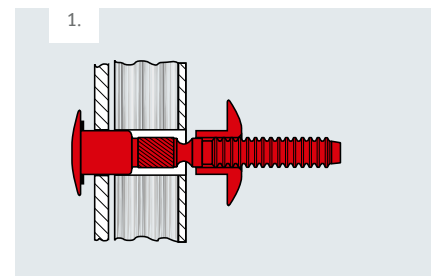
Applications:

- Transport technology
- Container construction

Installation steps

1. Insert pin into hole and slide sleeve onto pin-tail.
2. Press installation tool trigger. The rotating pulling head presses the sleeve onto the spiral lock of the pin.
3. The pin and sleeve lock mechanically to produce a vibration-resistant connection. The fastened parts are permanently locked together and are splash proof and waterproof.
4. The pin breaks off at the pre-determined breaking point.

An overview of recommended tools to ensure that HUCKTAINER® Plus lockbolts are perfectly fastened can be found in our lockbolt system tool catalogue - Titgemeyer/10058E.

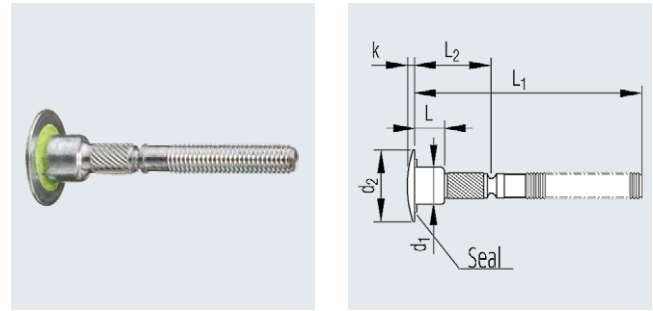


HUCKTAINER® Plus

Pins with liquid seal

Material

Steel, zinc-plated 1.5508 (AISI 10B22) min 10 µm clear chromate



Nominal bolt \varnothing [mm]	Hole \varnothing [mm]	Grip range							Tensile strength nom [N]	Article No.
		s [mm]	L nom [mm]	L1 nom [mm]	L2 nom [mm]	d1 nom [mm]	d2 max [mm]	k max [mm]		
9.5	10.3 - 10.7	14,3 - 17,5	3.2	58.5	16.0	10.0	21.2	3.7	3560	378 230 900
		15,9 - 19,0	4.0	60.1	17.6	10.0	21.2	3.7	3560	378 231 900
		17,5 - 20,6	5.6	61.7	19.2	10.0	21.2	3.7	3560	378 232 900
		19,0 - 22,2	6.7	63.2	20.8	10.0	21.2	3.7	3560	378 233 900
		20,6 - 23,8	8.8	64.8	22.4	10.0	21.2	3.7	3560	378 234 900
		22,2 - 25,4	10.4	66.4	24.0	10.0	21.2	3.7	3560	378 235 900
		23,8 - 27,0	11.9	68.0	25.5	10.0	21.2	3.7	3560	378 236 900
		25,4 - 28,6	13.5	69.6	27.1	10.0	21.2	3.7	3560	378 237 900
		27,0 - 30,2	15.1	71.2	28.7	10.0	21.2	3.7	3560	378 238 900
		28,6 - 31,7	16.7	72.8	30.3	10.0	21.2	3.7	3560	378 239 900
		30,2 - 33,3	18.3	74.4	31.9	10.0	21.2	3.7	3560	378 240 900
		33,3 - 36,5	19.9	77.5	35.1	10.0	21.2	3.7	3560	378 242 900

Please order sleeves separately!

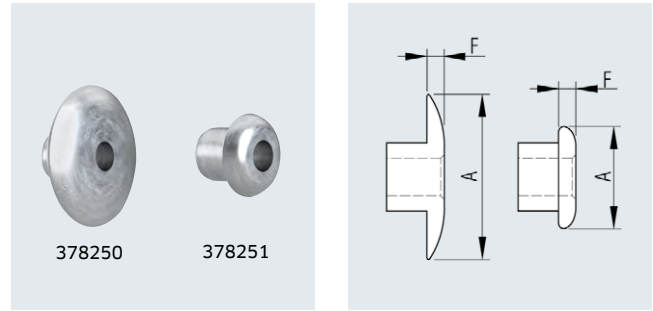
Other designs available on request.

HUCKTAINER® Plus

Sleeves

Material

Steel, zinc-plated, 1.1121(AISI1010), min. 10 µm clear chromate



For nominal bolt ø	Head ø A max [mm]	Head height F max [mm]	Article No.
9.5	16.1	3.7	378 251 900
	29.6	3.7	378 250 900

Other designs available on request.

About us

Titgemeyer Group is a leading fastening technology and transport technology group of companies with 15 sites across Europe. Steeped in tradition, the company develops, manufactures and sells more than 30,000 fastening elements, tools and vehicle components – in series and to customer specification.

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