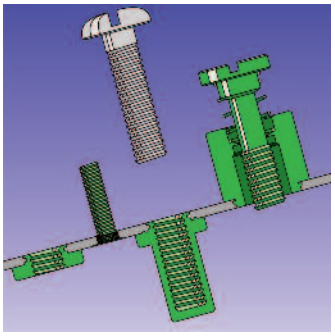
TITGEMEYER GTO

pressti® press-in fasteners

TITGEMEYER Tb1646GB(0317)1

Gebr. TITGEMEYER GmbH & Co. KG
Osnabrück



Contents

pressti®

precise – secure – economical

Permanent, highly resilient fasteners for thin sheeting, plastic parts and electronic components (printed circuit boards). The cold forming process that occurs between the fastener and the sheeting results in a flush connection that ensures high pull-out and pull-through strengths. No refinishing work required; easy, economical and time-saving installation. Special installation equipment is required. The range includes a wide selection of press-in nuts/studs/bushings, stand-offs and special press-in elements.

pressti® – At a glance

- Highly durable threads in thin sheeting
- High pull-out and pull-through strengths
- Suitable for automatic feeding, saving you significant installation costs
- Can also be installed on coated components
- No special prepping (countersinking or deburring) of the pre-drilled hole required
- Very accurate positioning, perfectly square to the sheet or panel
- RoHS-compatible

Our pressti® range

Press-in nuts for metals

Press-in studs for metals

Press-in bushings for metals

Press-in fasteners for printed circuit boards/ plastics

Stand-offs for metals and plastics

Quick-release press-in fasteners and special press-in elements

Press-in nuts for metals

Standard press-in nuts
TC series: galvanised steel TCS series: stainless steel
TCFSP series: AISI400 stainless steel
TCFSP2 series: A286 stainless steel
Thread: M2 – M12

Standard press-in nuts
TCA series: aluminium
Thread: M2 – M6

Press-in nuts – self-locking
TCPL series: galvanised steel
TCPLC series: stainless steel
Thread: M3 – M5

Press-in nuts – self-locking
TCFE series: stainless steel
TCFEO series: stainless steel
Thread: M3 – M6

Press-in nuts – non-locking
TCFEX series: stainless steel
TCFEOX series: stainless steel
Thread: M3 – M6

Press-in nuts – flush-fitting on both sides
TCFL series: stainless steel
Thread: M2 – M6

Press-in nuts – floating threads
TCFAS series: galvanised steel
TCFAC series: stainless steel
Thread: M3 – M6

Press-in nuts – closed
TCFB series: galvanised steel
TCFBS series: stainless steel
Thread: M3 – M6

Press-in nuts – hex-shaped head
TCKN series: galvanised steel
Thread: M2.5 – M20
Collar height: standard, medium, long

Sheet hardness up to
HRB 50: TCA
HRB 70: TCS | TCPL | TCPLC | TCFE | TCFEO | TCFEX TCFEOX | TCFL | TCFAS | TCFAC | TCFBS
HRB 80: TC | TCFB | TCKN
HRB 90: TCFSP | TCFSP2

Press-in studs for metals

Standard threaded press-in studs
TCHA series: aluminium
TCH series: galvanised steel
TCHS series: stainless steel
TCHTS series: AISI400 stainless steel
Thread: M2 – M8
Length depends on thread size: 5–50 mm

Threaded press-in studs for short edge distances
TCHE series: galvanised steel
TCHES series: stainless steel
Thread: M2.5 – M5
Length depends on thread size: 6–30 mm

Threaded press-in studs for high torque
THCH series: galvanised steel
THCHS series: stainless steel
Thread: M5 – M10
Length depends on thread size: 10–50 mm

Threaded press-in studs for high pull-through strength
THCW series: galvanised steel
Thread: M5 – M8
Length depends on thread size: 8–50 mm

Threaded press-in studs for blind hole applications
TCFA-1 & TCFA-2 series: aluminium
TCFC-1 & TCFC-2 series: stainless steel
Thread: M3 – M5
Length depends on thread size: 6–25 mm

Press-in studs threadless, chamfered
TCG series: galvanised steel
TCGS series: stainless steel
Diameter: 3–6 mm
Length depends on size: 6–20 mm

Sheet hardness up to
HRB 50: TCHA | TCFA-1 | TCFA-2
HRB 70: TCHS | TCHES | THCHS | TCFC-1 | TCFC-2
TCGS
HRB 80: TCH | TCHE | TCG
HRB 85: THCH | THCW
HRB 92: TCHTS

Press-in bushings for metals

Standard threaded press-in bushings – open

TCFSOA series: aluminium
TCFSO series: galvanised steel
#TCFSOS series: stainless steel
TCF4-SO series: AISI400 stainless steel
Thread: M2 – M5
Length depends on thread size: 3–25 mm

Standard threaded press-in bushings – closed

TCFBSOA series: aluminium
TCFBSO series: galvanised steel
TCFBSOS series: stainless steel
TCF4-BSO series: AISI400 stainless steel
Thread: M2 – M5
Length depends on thread size: 5–25 mm

Threaded press-in bushings – for better contact

TCFSOSG series: stainless steel
Thread: M3
Length depends on thread size: 3–12 mm

Threaded press-in bushings open – for D-Sub connectors

TCF40 series: galvanised steel
TCF40S series: stainless steel
Thread: M3

Threaded press-in bushings for blind hole applications

TCFHS series: stainless steel
Thread: M3 – M6
Length depends on thread size: 4–20 mm

Sheet hardness up to

HRB 50: TCFSOA | TCFBSOA
HRB 70: TCFSOS | TCFBSOS | TCFSOSG | TCF40S
TCFHS
HRB 80: TCFSO | TCFBSO | TCF40
HRB 88: TCF4-SO | TCF4-BSO

Press-in fasteners for printed circuit boards/plastics

Press-in nuts for printed circuit boards, fibre glass, acrylic
TCKF2 series: electro-tinned steel
TCKFS2 series: stainless steel
Thread: M2 – M5

Threaded press-in studs
TCKFH series: phosphor bronze, electro-tinned
Thread: M2.5 – M5
Length depends on thread size: 6–15 mm

Threaded press-in bushings
TCKFE series: electro-tinned steel
TCKFSE series: stainless steel
Thread: M2.5 – M4
Length depends on thread size: 3–14 mm

Press-in bushings
TCKFE series: electro-tinned steel
TCKFSE series: stainless steel
Diameter: 3.6 & 4.2 mm
Length depends on size: 3–14 mm

Sheet hardness up to
HRB 60: TCKF2 | TCKFS2 | TCKFE | TCKFH
HRB 70: TCKFSE

Stand-offs for metals and plastics

Stand-offs
for PC circuit boards or metals
TCFSSA series: aluminium
TCFSSS series: galvanised steel
TCFSSC series: stainless steel
Diameter: 4 mm
Length depends on size: 8–25 mm

Stand-offs for metals
TCFSKC series: stainless steel
Sheeting code: 61.5
Length depends on size: 2–25 mm

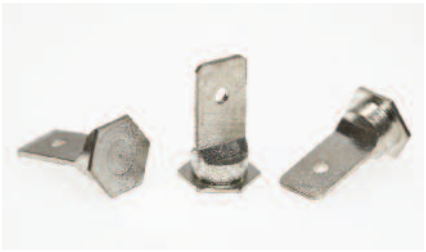
Sheet hardness up to
HRB 50: TCFSSA
HRB 60: TCFSSS
HRB 70: TCFSSC | TCFSKC

Quick-release press-in fasteners and special press-in elements

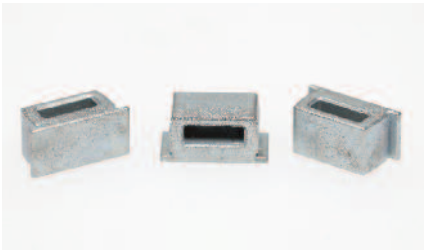
Quick-acting press-in screws
TCPFC2 series: stainless steel
Thread: M3 – M6

Quick-acting low-profile press-in screws
TLPH 1–2 series: nickel-plated steel
Thread: M3 – M6

Quick-acting press-in pin
TCPR series: galvanised steel
Diameter code: 04
Stud length: 4.0 mm



Press-in earthing lug
THCT 6.3–14 series:
electro tinned steel



Press-in cable bushings
TTD40 series: galvanised steel*
TTD60 series: galvanised steel*
TTD175 series: galvanised steel*

Sheet hardness up to
HRB 60: TLPH 1–2
HRB 70: TCPFC2
HRB 80: TCPR, THCT 6,3–14

* Auf Anfrage

Our tools

LSC 6010 hydraulic assembly press

The LSC 6010 hydraulic assembly press is ideal for securely installing press-in fasteners. The high-quality components ensure that the assembly press always runs reliably and requires little maintenance. With a press-in force of 60 kN, every standard press-in fastener can be installed using this machine.
With its extensive range of accessories, the LSC 7010 incl. HA200 guarantees additional practical and economic means of working with metals, such as clinching, edging or chamfering.

Benefits at a glance

- Continuously adjustable installation force setting
- Electronic and mechanical safety system
- The mechanical safety system makes the installation of non-conductive fasteners possible.
- Powered by standard mains supply (400V)
- Easy to use, quick retooling times
- Low maintenance and service
- Excellent price-to-performance ratio

Article No. 463 300 000

Technical specifications

Height:	1950 mm
Width:	725 mm
Depth:	1040 mm
Weight:	450 kg
Max. press-in force:	60 kN
Protrusion:	420 mm
Operating stroke:	200 mm
Nominal voltage:	3/N/PE 400/230V AC
Rated frequency:	50 Hz
Rated current:	max. 4.0 A
Output:	1.5 kW
Cycle time:	2.5 to 5.2 sec. (depending on stroke)

Accessories

Table, adjustable, for LSC 6010 / LSC 7010
Article No. 463 300 026

LSC 7010 C-frame assembly press

Technical specifications

Height:	1897 mm
Width:	812 mm
Depth:	1000 mm
Weight:	250 kg
Max. press-in force:	70 kN
Protrusion:	520 mm
Operating stroke:	130 mm

Article No. 463 300 201

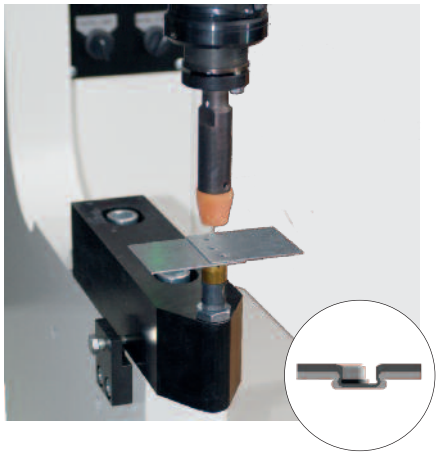
HA 200 hydraulic unit

Technical specifications

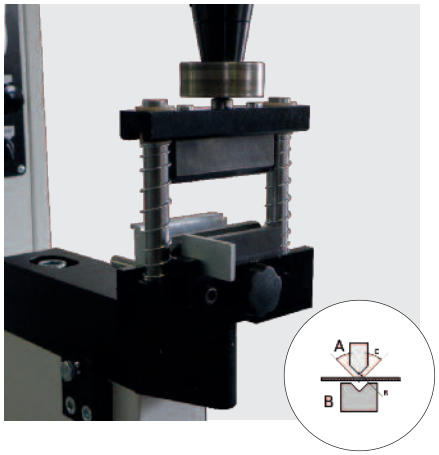
Height:	845 mm
Width:	515 mm
Depth:	670 mm
Weight:	110 kg
Max. pressure:	220 bar
Nominal voltage:	3/N/PE 400/230V AC
Rated frequency:	50 Hz
Rated current:	max. 4.0 A
Output:	1.5 kW

Article No. 463 300 200

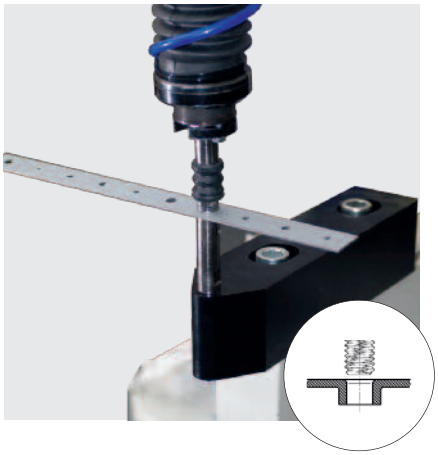
Further possible uses for the LSC 7010:



Clinching / Metal joining:
This method replaces the conventional spot welding of thin sheeting.



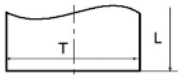
Bending / Chamfering:
This press makes light work of bending and chamfering thin sheeting up to a maximum width of 80 mm and a thickness of 2–3 mm depending on the material. It also comes fitted with side and end stops. Depending on the requirements, these can be set to 9–70 mm.



Edging:
This technology extends the surface when tapping thin sheeting with a thickness of 0.8–2 mm.

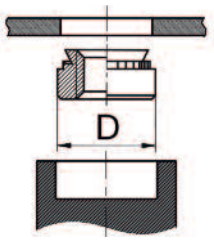
pressti® die part

Size	T [mm]	L [mm]	Weight approx. [kg/item]	Description	**Article No.**
Long	16	68	0.3	VI00001418	**463 300 001**
Short	16	34	0.3	VI00001417	**463 300 002**
Wide	50	32	0.4	VI00001666	**463 300 003**



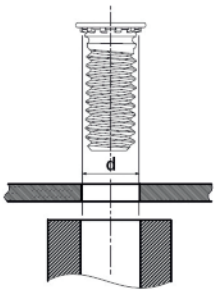
pressti® template for press-in nuts

Thread	D [mm]	Weight approx. [kg/item]	Description	**Article No.**
M 2 / M 2,5 / M 3	6.3	0.3	VI00001426	**463 300 004**
M 4	7.9	0.3	VI00001428	**463 300 005**
M 5	8.7	0.3	VI00001429	**463 300 006**
M 6	11.05	0.3	VI00001430	**463 300 007**
M 8	12.65	0.3	VI00001431	**463 300 008**
M 10	17.35	0.3	VI00001432	**463 300 009**



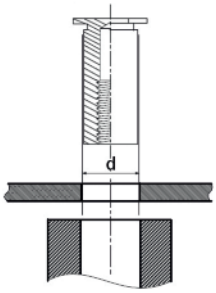
pressti® template for press-in studs

Thread	D [mm]	Weight approx. [kg/item]	Description	**Article No.**
M 2.5	2.5	0.3	VI00001419	**463 300 010**
M 3	3.0	0.3	VI00001420	**463 300 011**
M 4	4.0	0.3	VI00001421	**463 300 012**
M 5	5.0	0.3	VI00001422	**463 300 013**
M 6	6.0	0.3	VI00001423	**463 300 014**
M 8	8.0	0.3	VI00001424	**463 300 015**
M 10	10.0	0.3	VI00001425	**463 300 016**



pressti® template for press-in bushings

Thread	D [mm]	Weight approx. [kg/item]	Bezeichnung	**Artikel-Nr.**
M 2 – M 3	4.2	0.3	VI00001421	**463 300 012**
M 3	5.4	0.3	VI00001422	**463 300 013**
M 4 – M 5	7.2	0.3	VI00001441	**463 300 019**



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