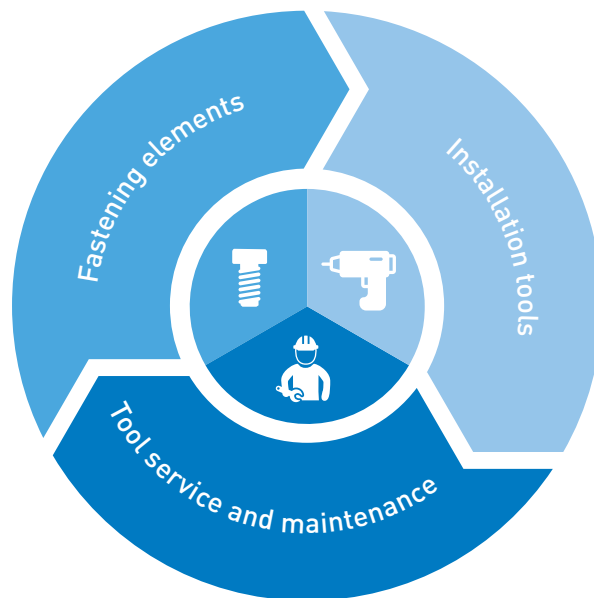




Installation tools

Fasteners, installation tools and service – all from a single source

Our claim at Bossard is to provide you with the best and most comprehensive service when it comes to production and assembly. In addition to our wide range of fasteners, this also includes the matching assembly technology. It goes without saying that our system sell approach includes not only the installation equipment itself, but also the corresponding consulting and tool service.



In this brochure you will find a selection of our installation tools, categorized by the underlying technology. Of course, you can obtain even more detailed information and additional, manual tools on our website, in our e-shop and from your account manager.

If you click on the blue Bossard Numbers (BN) in the PDF file, you will be taken directly to the corresponding offer in our e-shop. If a tool of interest to you is not available in your market, please speak to your Bossard representative. He or she will be happy to help you.

If you would like to learn about the advantages of intelligently networked tools and systems, you should also take a look at our new [Smart Factory Assembly](#) service.

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

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Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Clinching technology

Feeding systems for insertion machines

Pneumatic

PEMSERTER® 4® Pneumatic press for manual processing

BN 26661



Code

PEMSERTER® 4®

- Ram force max. 53,4 kN
- Throat depth: 457 mm
- Height: 1676 mm
- Width: 690 mm
- Depth: 940 mm
- Weight: 308 kg

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Insertion machines

Hydraulic

Haeger® 618 MSPe Insertion machine without Positiv Stop System,
without Autofeed System

BN 26714



Code

618-MSP-HE

- Force range max. 53 kN
- TPS-Tooling Protection System and Tooling Storage
- With touchscreen and programmsoftware
- Optional with TIS Turret Insertion System
- Optional with MAS-350 Autofeed System
- Throat depth: 456 mm
- Height: 2336 mm
- Width: 864 mm
- Depth: 1143 mm
- Weight: 550 kg

Additional information

For studs, nut, standoffs from M2 to M10. Only partially suitable for stainless steel sheets.

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Insertion machines

Hydraulic

Haeger® 618 MSPe Insertion machine with Positiv Stop System,
without Autofeed System

BN 26716



Code

618-MSP-HE-PS

- Force range max. 53 kN
- TPS-Tooling Protection System and Tooling Storage
- With touchscreen and programmsoftware
- Optional with TIS Turret Insertion System
- Optional with MAS-350 Autofeed System
- Throat depth: 456 mm
- Height: 2388 mm
- Width: 864 mm
- Depth: 1143 mm
- Weight: 550 kg

Additional information

For studs, nut, standoffs from M2 to M10. Only partially suitable for stainless steel sheets.

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Insertion machines

Hydraulic

Haeger® 824 MSPe Insertion machine with Positiv Stop System,
without Autofeed System

BN 26706



Code

824-MSP-HE

- Force range max. 72 kN
- TPS-Tooling Protection System and Tooling Storage
- With touchscreen and programmsoftware
- Optional with TIS Turret Insertion System
- Optional with MAS-350 Autofeed System
- Fixed stop system
- Throat depth: 610 mm
- Height: 2388 mm
- Width: 966 mm
- Depth: 1499 mm
- Weight: 1100 kg

Additional information

For studs, nut, standoffs from M2 to M10

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Insertion machines

Hydraulic

Haeger® 824 WindowTouch4e Insertion machine with manual position controlled Turret Insertion System, without Autofeed System

BN 26702



Code

824WT4E

- Force range max. 72 kN
- New T-Bracket and shuttle with integrated connectors eliminating alignment challenges
- Optional with MAS-350 Autofeed System
- Autofeed System for clinching elements
- TIS Turret Insertion System
- With bigger touchscreen and programm-software
- A program can be called up within 10 seconds
- Programmsoftware with more options
- Up to two automatic feeders can be upgraded
- Fastener length measuring system (only presses fasteners with the correct length)
- Throat depth: 610 mm
- Hight: 2388 mm
- Width: 966 mm
- Depth: 1499 mm
- Weight: 1350 kg

Additional information

For studs, nut, standoffs from M2 to M10

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Insertion machines

Hydraulic

Haeger® 824 OneTouch4e LITE Insertion machine with manual position controlled Turret Insertion System, with Autofeed System

BN 26703



Code

8240T4E Lite

- Force range max. 72 kN
- New T-Bracket and shuttle with integrated connectors eliminating alignment challenges
- Second modular autofeed system (MAS-350) incl.
- Autofeed System for clinching elements
- TIS Turret Insertion System
- With bigger touchscreen and programm-software
- A program can be called up within 10 seconds
- Programmsoftware with more options
- Fastener length measuring system (only presses fasteners with the correct length)
- Thread depth: 610 mm
- Height: 2388 mm
- Width: 966 mm
- Depth: 1499 mm
- Weight: 1385 kg

Additional information

For studs, nut, standoffs from M2 to M10

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Insertion machines

Hydraulic

Haeger® 824 OneTouch4e Insertion machine with automatic four station tool changer

BN 26705



Code

8240T4E

- Force range max. 72 kN
- Additional equipment: automatic 4-station lower tool changer and automatic 4-station upper tool holder
- 4-way automatic feeding system for clinching elements
- With bigger touchscreen and programm- software
- Fastener length measuring system (only presses fasteners with the correct length)
- Programmsoftware with more options
- Four modular autofeed systems (MAS-350) incl.
- Throad depth: 610 mm
- Hight: 2388 mm
- Width: 966 mm
- Depth: 1499 mm
- Weight: 1500 kg

Additional information

For studs, nut, standoffs from M2 to M10

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Insertion machines

Electric

PEMSERTER® InDie Feeding system of PEM® self-clinching pin for off-tool serial parts

BN 26670



Code

8014370

- Electrical connection: 230 V / 50 Hz / 16 Amp.
- Air connection: 6-7 bar
- Height (including bunker): 1580 mm
- Width: 790 mm
- Depth: 1220 mm
- Weight: 770 kg

PEMSERTER® InDie Feeding system of PEM® Press-in nuts for off-tool serial parts

BN 26675



Code

8014369

- Electrical connection: 230 V / 50 Hz / 16 Amp.
- Air connection: 6-7 bar
- Height (including bunker): 1580 mm
- Width: 790 mm
- Depth: 1220 mm
- Weight: 770 kg

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Rivet technology

Tools for speed rivets

Hydropneumatic

AVDEL® 07537-00200 Hydropneumatic rivet tool for speed rivets

BN 32156



Code

07537-00200

- For rivet- \varnothing : 2,4-6
- Weight 2,2 kg
- Stroke: 30 mm
- Cycle time (approx.): 1 second
- Operating pressure 5-7 bar
- Air consumption 2,6 l free air / cycle

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for speed rivets

Battery powered

STANLEY® Assembly Technologies SB25PT-05 Battery powered rivet tool for speed rivets

BN 32155



Code

SB25PT-05

- For rivet- \varnothing : 2,4-6,4
- Weight (incl. battery): 2,8 kg
- Pulling force: 5 kN
- Placing stroke: 25 mm
- No compressed air lines means significant enhancement to operator mobility
- Quick release nose jaw and tail jaw system
- LED light to ensure clear line of sight to the application
- Ergonomic soft grip handle for operator comfort
- Low force single finger trigger system

Scope of supply

- 1 x SB25PT-05 Power Tool
- 2 x DeWalt 18 V Lithium-Ion 2,0 Ah batteries
- 1 x DeWalt DCB115 Charger

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for blind rivets

Hydropneumatic

POP® ProSet® XT1 Hydropneumatic blind rivet tool with mandrel collection system

BN 50681



Code

XT1

- Equipped for standard rivets with diameter 2,4 and 3,2 and 4 mm
- Equipment for further dimensions and rivet types can be requested!
- Weight: 1,17 kg (incl. nose equipment)
- Pull force at 5,5 bar: 6,5 kN
- Force-weight ratio: 5,55 kN/kg
- Stroke: min. 18 mm
- Cycle time (approximate): 0,4 sec
- Working air pressure: 5-7 bar
- Free air volume at 5,5 bar: 1,5 l
- Noise level: 77,95 dB (A)

POP® ProSet® XT2 Hydropneumatic blind rivet tool with mandrel collection system

BN 50682



Code

XT2

- Equipped for standard rivets with diameter 3,2 and 4 and 4,8 mm
- Equipment for further dimensions and rivet types can be requested!
- Weight: 1,26 kg (incl. nose equipment)
- Pull force at 5,5 bar: 8,9 kN
- Force-weight ratio: 7,06 kN/kg
- Stroke: min. 20 mm
- Cycle time (approximate): 0,6 sec
- Working air pressure: 5-7 bar
- Free air volume at 5,5 bar: 2,2 l
- Noise level: 77,1 dB (A)

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for blind rivets

Hydropneumatic

POP® ProSet® XT3 Hydropneumatic blind rivet tool with mandrel collection system

BN 50683



CE

Code

XT3

- Equipped for standard rivets with diameter 4,8 and 6,4 mm
- Equipment for further dimensions and rivet types can be requested!
- Weight: 2,14 kg (incl. nose equipment)
- Pull force at 5,5 bar: 17 kN
- Force-weight ratio: 7,94 kN/kg
- Stroke: min. 26 mm
- Cycle time (approximate): 0,9 sec
- Working air pressure: 5-7 bar
- Free air volume at 5,5 bar: 6,3 l
- Noise level: 78,4 dB (A)
- With standard nose assembly 76003-15100

POP® ProSet® XT4 Hydropneumatic blind rivet tool with mandrel collection system

BN 50684



CE

Code

XT4

- Equipped for standard rivets with diameter 4,8 and 6,4 mm
- Equipment for further dimensions and rivet types can be requested!
- Weight: 2,16 kg (incl. nose equipment)
- Pull force at 5,5 bar: 23 kN
- Force-weight ratio: 10,65 kN/kg
- Stroke: min. 18 mm
- Cycle time (approximate): 1 sec
- Working air pressure: 5-7 bar
- Free air volume at 5,5 bar: 6,3 l
- Noise level: 77,9 dB (A)
- With standard nose assembly 76003-15100

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for blind rivets

Battery powered

POP® PB2500-QW Battery powered blind rivet tool in plastic carry case fully equipped

BN 53352



Code

PB2500-QW

- For rivet- \varnothing : 2,4-4,8
- Weight (incl. battery): 1,7 kg
- Pulling force: 8,5 kN
- Stroke: 25 mm
- Battery: 18 V / 2,0 Ah Li-Ion
- Charging time: 30 min

CE

POP® ProSet® PB3400 Battery powered blind rivet tool in plastic carry case fully equipped

BN 33928



Code

PB3400-QW1822

- For rivet- \varnothing : 4,8-6,4
- Weight: 2,1 kg incl. 2,0 Ah battery, 2,42 kg incl. 4,0 Ah battery
- Pulling force: 18 kN
- Charging time: 30 min (2,0 Ah), 60 min (4,0 Ah)
- Stroke: 30 mm
- Up to 1000 riveting operations per charge

CE

Scope of supply

Battery blind rivet tool
Plastic carry case
Nosepieces and jaws for blind rivets 4,8-6,4
2 batteries Ah Li-Ion 4,0 Ah
Charger

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for blind rivets

Smart Tools

STANLEY® Assembly Technologies PB2500 Smart Battery blind rivet tool with process monitoring system

BN 56255



Type

QW1832

- Weight: 1,8 kg
- Pull force: 8,5 kN
- Placing stroke: 25 mm
- On-board process monitoring system includes OK / Not OK notification for each rivet installation, together with review of the related placing curves
- 500 000 setting results storage capacity
- Prevents unscheduled downtime
- Combining the benefits of long-lasting DeWalt lithium ion battery with industry leading charging time
- Tool-less, quick change, nose housing and jaw guide systems further enhances productivity
- The tool delivers permanent and vibration-resistant assembly when used in conjunction with Stanley Engineering Fastening breakstem rivets
- Wi-Fi & Bluetooth enabled
- User interface: Touch screen on tool

Scope of supply

2 DeWalt 18 V Lithium-Ion 2,0 Ah batteries
1 DeWalt DCB115 charger EU plug
1 bag with nosepiece and jaw pusher 3,2 mm
1 bag with nosepiece and jaw pusher 4 mm
in carry case

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for blind rivet nuts and blind rivet studs

Hydropneumatic

POP® ProSert® XTN20 Hydro-pneumatic setting tool

BN 55432



Code

XTN20

- Capacity range: aluminum M3-M10 / steel M3-M8 / stainless steel M3-M6
- Force and stroke controlled
- Weight: ~1,59 kg (with equipment M6)
- Length: ~259 mm, height: ~273 mm
- Stroke length: 3-7 mm
- Tensile force (at 5 bar): 17,65 kN
- Operating pressure: 5-7 bar

Scope of supply

Equipment for M4-M8

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for blind rivet nuts and blind rivet studs

Hydropneumatic

FASTEKS FILKO® KVT 912 Hydro-pneumatic setting tool for blind rivet nuts and blind rivet studs

BN 25538



Code

KVT 912

- Capacity range: aluminum, steel M3-M12 / stainless steel M3-M12. For M12 limited working range depending on air pressure, shank shape, grip range / plate thickness (enquire / carry out trials)
- Stroke controlled
- Weight: 1,99 kg
- Length: ~344 mm, height: ~168 mm
- Stroke length: 0-6 mm
- Tensile force (at 6 bar): 30 kN
- Operating pressure: 5-7 bar
- Air consumption (at 7 bar): ~2,5 l/stroke

Additional information

Also usable for blind rivet studs

Scope of supply

Equipment for M8-M12

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for blind rivet nuts and blind rivet studs

Battery powered

STANLEY® Assembly Technologies NB08PT-18 Battery Powered Blind Rivet Nut Tool

BN 56258



Code

NB08PT-18

- Working range: M3-M10
- Tensile force: 18 kN
- Weight: 2,3 kg
- Placing stroke: 8,5 mm
- Provides push-to-start functionality: the blind rivet nut is automatically loaded onto the tool by applying axial pressure to the drive screw (mandrel)
- Tool-less quick change system for nose pieces and mandrels
- Prevents unscheduled downtime
- Combining the benefits of long-lasting DeWalt lithium ion battery with industry leading charging time
- Operates in both pull-to-force and pull-to-strokes modes, therefore offering exceptional adaptability and productivity benefits
- User interface: touch screen on tool

Scope of supply

1 x NB08PT-18 Power Tool fitted with M6 nose equipment
2 x DeWalt 18 V Lithium-Ion 2,0 Ah batteries
1 x DeWalt DCB115 charger
1 x M4, M5, and M8 nose equipment set
in carry case

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for lockbolts

Hydraulic

Huck® 2480L Hydraulic blind rivet tool without nose assembly

BN 29959



Code

2480L

- For blind rivets and lockbolts \varnothing : 4,8-6,4
- Weight: 1 kg
- Stroke: 22 mm
- Pulling force: 25,4 N
- Extended piston version for use with «L» type nose assemblies

Huck® 2581-2 Hydraulic blind rivet tool without nose assembly

BN 28841



Code

2581-2

- For rivet- \varnothing : 4,8-9,6
- Weight: 2,49 kg
- Stroke: 24 mm
- Pulling force: 47,6 kN

Huck® 2583 Hydraulic blind rivet tool without nose assembly

BN 29961



Code

2583

- For blind rivets and lockbolts \varnothing : 4,8-9,6
- Weight: 2,09 kg
- Stroke: 38 mm
- Pulling force: 48,3 kN

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Further tools for installing HUCK fasteners with other dimensions upon request.

Tools for lockbolts

Hydraulic

Huck® 2620-PT Hydraulic blind rivet tool without nose assembly

BN 29962



Code

2620-PT

- For lockbolts \varnothing : 12,7
- Weight: 4,48 kg
- Stroke: 36,5 mm
- Pulling force: 78,93 kN

Huck® SF20 Hydraulic blind rivet tool for lockbolts BobTail®

BN 29973



Code

BTT20

- For lockbolts BobTail® \varnothing : 12-16
- Weight: 4,99 kg
- Stroke: 50,8 mm
- Pulling force: 92 kN

Huck® BTT25 Hydraulic blind rivet tool for lockbolts BobTail®

BN 29974

Code

BTT25

- For lockbolts BobTail® \varnothing : 12-14
- Weight: 3,62 kg
- Stroke: 41,4 mm

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Further tools for installing HUCK fasteners with other dimensions upon request.

Tools for lockbolts

Hydraulic

Huck® Powerig™ Electro-hydraulic pump for rivet tools

BN 29980



Code

KA28-001

- HuckForce Standard
- Maximum flow: 2,8 l/min
- Maximum pull pressure: 535 bar
- Power: 3 x 400 V AC (nominal) 50 Hz
- Dimensions: (L x W x H): 580 x 400 x 800 mm incl. handle
- Weight with oil: approx. 54 kg
- Outlets: 1

Huck® Powerig™ Electro-hydraulic pump for rivet tools

BN 29981



Code

HK32-002

- HuckForce Advance
- Maximum flow: 3,2 l/min
- Maximum pull pressure: 600 bar
- Power: 3 x 400 V AC (nominal) 50 Hz
- Dimensions: (L x W x H): 720 x 500 x 800 mm
- Outlets: 1
- SureSet option for process monitoring available on request (NOT included as standard)

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Further tools for installing HUCK fasteners with other dimensions upon request.

Tools for lockbolts

Hydraulic

Huck® Powerig™ Electro-hydraulic pump for rivet tools

BN 29958

Code

HK32-007

- HuckForce SureSet™
- Maximum flow: 3,2 l/min
- Maximum pull pressure: 580 bar
- Power: 3 x 400 V AC (nominal) 50 Hz
- Dimensions: (L x W x H): 720 x 500 x 800 mm
- Outlets: 1 with SureSet™
- SureSet™ for process monitoring
- Program switch (3 programs)
- Interface cable

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Further tools for installing HUCK fasteners with other dimensions upon request.

Tools for lockbolts

Hydropneumatic

Huck® 2025LB Hydropneumatic blind rivet tool without nose assembly

BN 28917



Code

2025LB

- For rivet- \varnothing : 4,8-6,4
- Weight: 2,6 kg
- Stroke: 17 mm
- Pulling force: 19 kN
- Working air pressure: max. 7 bar
- Air consumption each rivet: 1,3 l

Huck® 202V Hydropneumatic blind rivet tool without nose assembly, with stem extraction

BN 28941



Code

202V

- For rivet- \varnothing : 4,8-6,4
- Weight: 2,3 kg
- Stroke: 18,9 mm
- Pulling force: 17,3 kN
- Working air pressure: 5,5-6,9 bar
- Air consumption: 244 l/min by 30 cycles/min

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Further tools for installing HUCK fasteners with other dimensions upon request.

Tools for lockbolts

Hydropneumatic

Huck® 256 Hydropneumatic blind rivet tool without nose assembly

BN 28835



Code

256

- For rivet- \varnothing : 4,8-9,6
- Weight: 5 kg
- Stroke: 22 mm
- Pulling force: 44,4 kN
- Working air pressure: 6-7 bar
- Air consumption: 21 l/cycles

Huck® 256BT Hydropneumatic blind rivet tool for lockbolts BobTail®

BN 29957



Code

256 BT

- For rivet- \varnothing : 7,9-9,6
- Weight: 5 kg
- Stroke: 32 mm
- Pulling force: 29,8 kN
- Working air pressure: max. 6,2 bar

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Further tools for installing HUCK fasteners with other dimensions upon request.

Tools for lockbolts

Battery powered

Huck® Range Force™ Battery powered blind rivet tool in plastic carry case

BN 29979



Code

DEB-BV4500-118KT

- For blind rivets and lockbolts \varnothing : 4,8-6,4
- Weight: 2,5 kg incl. 5,0 Ah battery
- Stroke: 30 mm
- Pulling force: adjustable up to 20 kN
- Recharge time: approx. 45 minutes
- Installations per charge: approx. 1500-2500 6,4 rivets or 500-1000 lockbolts
- Battery tool with electronically adjustable pull force control
- High pull force (adjustable) & long stroke length for ultimate versatility
- Can install the complete Huck range of structural & non-structural rivets (up to 6,4 mm) as well as lockbolts (up to 6,4 BobTail® / MagnaGrip®)
- Cross-compatibility with Huck noses and Makita 18 V batteries

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Further tools for installing HUCK fasteners with other dimensions upon request.

Threaded inserts

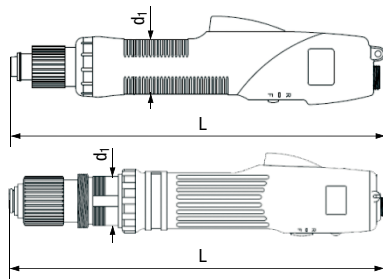
Tools for threaded inserts

self-cutting

Tappex® 035/E/A Electric screwdriver for self-cutting threaded inserts

BN 2114

Code	d _i	L	Input [V]	Speed [rpm]	Torque [Nm]
035/E/A0.3-32V	36,5	245	32	700/1000	0,29-1,86
035/E/A1.0-32V	39,9	285	32	900/1200	0,98-2,94
035/E/A2.0-40V	41	302	40	750/1000	2-6
035/E/A4.0-40V	41	302	40	680/880	4-12
035/E/A8.0-40V	41	302	40	250/350	8-25



- Automatic reverse function
- Adjustable torque settings
- Torque range 0,29-25 Nm
- 1/4" output spindle



Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for threaded inserts self-cutting

Tappex® 035/E Power supply for electric screwdrivers 035/E/A
BN 56058



Code

035/E/32V

035/E/40V

- Selectable count method
- Speed adjustment
- Audible alarm settings
- Selectable output voltage

Tappex® 035/E Adaptor lead for power supply 40 V and electric screwdrivers 32 V
BN 56095



Code

035/E/40-32V

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for threaded inserts self-cutting

Tappex® SD Pneumatic pantograph screwdriver automatic reverse
BN 37200



Code	Type
SD 140-LA510-S4Q-K0E	SD

- For TRISERT®, TRISERT-3®, FOAMSERT®, Ensat® and FASTEKS® threaded inserts

LQ25 Linear-Quick balance arm for electric and pneumatic screwdrivers
BN 37191



Code
LINEAR QUICK 25

- Weight (only LQ): 8 kg
- Max. Weight: 4 kg
- Max. Torque: 25 Nm
- Mounting Linear-Quick: 3 x M8 screws

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for threaded inserts for press-in

Tappex® 074/HIE/GEN3 Heat inserter for press-in threaded inserts
BN 56060



CE

Code

074/HIE/GEN3

- Installation speed control
- Variable temperature up to 450 C°
- Adjustable stop position with indicator light
- Stroke length 65 mm
- Max. working height (with tip removed) 220 mm
- Voltage 110-230 V AC 50-60 Hz
- Output 400 W
- Baseplate and working area illuminated by dual LED lightning
- CE certified; EMC – EN61000-6-4: 2007 + A1: 2001
- Weight 31,5 kg

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for threaded inserts with kee-locking

KEENSERTS® PT Power Tool hydropneumatic, without nosepiece set,
for kee-locking threaded Inserts

BN 31909



Code	suitable for	max. stroke	Weight (without nosepiece) [kg]
3352PT1	M5-M12	6,5	1,8
3352PT2	M5-M24	8	2,2

- Air working pressure: 6 bar
- Min.-max. air pressure: 5-7 bar
- Air consumption per cycle at 6 bar: 5 liters
- Max. force: 19 kN
- Vibrations: < 2,5 m/s²
- Noise Level: 76 dB (A)

Scope of supply

Completely consists of:

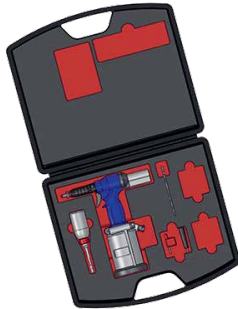
- 1 x Installation tool
- 1 x Oil bottle (type ISO VG 32 100CC)
- 1 x Tool wrench
- 1 x Removal bolt
- 1 x Allen wrench 3 mm
- 1 x Instruction manual
- 1 x Installation manual

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for threaded inserts with kee-locking

KEENSERTS® PT Power Tool hydropneumatic, with tool case, without nosepiece set, for kee-locking threaded Inserts

BN 31873



Code	suitable for	max. stroke	Weight (without nosepiece) [kg]
3352PTC-1	M5-M12	6,5	1,8
3352PTC-2	M5-M24	8	2,2

- Air working pressure: 6 bar
- Min.-max. air pressure: 5-7 bar
- Air consumption per cycle at 6 bar: 5 liters
- Max. force: 19 kN
- Vibrations: < 2,5 m/s² / 8,2 ft/s²
- Noise Level: 76 dB (A)

Scope of supply

Completely consists of:

- 1 x Installation tool
- 1 x Plastic tool case
- 1 x Oil bottle (type ISO VG 32 100CC)
- 1 x Tool wrench
- 1 x Removal bolt
- 1 x Allen wrench 3 mm
- 1 Instruction manual
- 1 x Installation manual

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for threaded inserts with kee-locking

KEENSERTS® EPT1 Power Tool battery operated, with tool case, without nose-piece set, for kee-locking threaded Inserts

BN 31902



Code	suitable for	max. stroke
EPT1	M5-M12	7

- Setting Force (min.-max.): 3-22 kN
- Max. spindle stroke: 7 mm
- Tool weight (without nosepiece and battery): 2,1 kg
- Battery weight: 0,3 kg
- Battery: 14,4 V / 2,6 Ah
- Vibration: < 0,672 m/s²
- Sound pressure level LpA: 0,71 dB (A)
- Sound power level LwA: 82,1 dB (A)
- Limits of temperature: +5 °C to +40 °C

Scope of supply

Completely consists of:

- 1 x Installation tool
- 1 x Plastic tool case
- 2 x Batteries
- 1 x Charging station
- 1 x Tool wrench
- 1 x Instruction manual
- 1 x Installation manual

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Electrical Products

Tools for contact parts

Battery powered hydraulic

Klauke® EK 35/4 ML Battery powered hydraulic crimping tool

BN 27730



Code	Crimping range [mm ²]
EK 35/4 ML	6-150

- Slim head - ideal for critical space conditions
- Closed head, hinged, rotatable
- Simple and safe: one-button operating concept for controlling all tool functions
- Comfortable and safe one-handed operation due to ergonomic 2-component plastic housing with soft inlay
- Effortless working due to its low weight
- Automatic return after completed work cycle
- Maintenance indicator by LED

Additional information

Crimping force max. 35 kN
Stroke / opening width 9 mm
Crimping cycle 3 s to 4 s (depending on the press cross-section)
Number of crimps approx. 145 with 120 mm²
Battery voltage 10,8 V
Battery capacity 1,5 Ah Li-Ion
Battery charging time ca. 40 min.
Ambient temperature -10 °C to + 40 °C

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for contact parts

Battery powered hydraulic

Klauke® EKM 60 IDC FM Battery powered hydraulic crimping tool with Makita battery system

BN 27733



Code	Press area Cu [mm ²]	Press area Al [mm ²]
EKM 60 IDC FM	10-240	50-240

From 16 mm² UL certified

- Extra large crimping area due to the innovative 2-stage telescopic cylinder
- Indent crimping - no need to change crimping inserts
- All tool data in view thanks to display and i-press® app
- Battery system Makita
- All data can be easily read via Bluetooth
- With innovative 2-stage telescopic cylinder
- Closed head, hinged, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: one-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Always ready-to-use thanks to battery charge and service display

Additional information

Very well suited for compacted conductors
Especially for stranded conductors according to
DIN EN 60228

Crimping force 30-60 kN

Stroke / opening width 40,5 mm

2 s (with ARS) to 7 s (depending on the crimping
cross-section)

Number of crimps approx. 100-300

Battery voltage 18 V

Battery capacity 1,5 Ah Li-Ion

Battery charging time 15 min

Ambient temperature -10 °C to + 40 °C

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for contact parts

Battery powered hydraulic

Klauke® EKM 60 IDCFB Battery powered hydraulic crimping tool with Bosch battery system

BN 27739



Code	Press area Cu [mm ²]	Press area Al [mm ²]
EKM 60 IDCFB	10-240	50-240

From 16 mm² UL certified

- Extra large crimping area due to the innovative 2-stage telescopic cylinder
- Indent crimping - no need to change crimping inserts
- All tool data in view thanks to display and i-press® app
- Battery system Makita
- All data can be easily read via Bluetooth
- With innovative 2-stage telescopic cylinder
- Closed head, hinged, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: one-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Always ready-to-use thanks to battery charge and service display

Additional information

Very well suited for compacted conductors
Especially for stranded conductors according to
DIN EN 60228

Crimping force 30-60 kN

Stroke / opening width 40,5 mm

2 s (with ARS) to 7 s (depending on the crimping
cross-section)

Battery voltage 18 V

Battery capacity 2,0 Ah Li-Ion

Battery charging time 15 min

Ambient temperature -10 °C to + 40 °C

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for contact parts

Battery powered hydraulic

Klauke® EK 12042 CFM Battery powered hydraulic crimping tool with Makita battery system

BN 27734



Code	Crimping range [mm ²]
EK 12042 CFM	16-400

- C-head with very wide crimping range to 400 mm²
- Up to 60 % fewer crimps thanks to wide crimping in comparison to 6 t tools
- Easy handling by optimum weight distribution
- All tool data in view thanks to display and i-press® app
- Battery system Makita
- All data can be easily read via Bluetooth
- Open head, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: one-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Additional information

Crimping force 120 kN

Stroke / opening width 42 mm

Crimping cycle 8 s to 7 s (depending on the crimping cross-section)

Number of crimps approx. 115 at 150 mm² Cu DIN

Battery voltage 18 V

Battery capacity 4,0 Ah Li-Ion

Battery charging time 36 min

Ambient temperature -12 °C to + 40 °C

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for contact parts

Battery powered hydraulic

Klauke® EK 12042 CFB Battery powered hydraulic crimping tool with Bosch battery system

BN 27735



Code	Crimping range [mm ²]
EK 12042 CFB	16-400

- C-head with very wide crimping range
- Up to 60 % fewer crimps thanks to wide crimping in comparison to 6 t tools
- Easy handling by optimum weight distribution
- All tool data in view thanks to display and i-press® app
- Battery system Bosch
- All data can be easily read via Bluetooth
- Open head, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: one-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Additional information

Crimping force 120 kN
Stroke / opening width 42 mm
8 s (with ARS) to 9 s (depending on the crimping cross-section)
Battery voltage 18 V
Battery capacity 5,0 Ah, Li-Ion
Battery charging time 45 min
Ambient temperature -10 °C to + 40 °C

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for contact parts

Battery powered hydraulic

Klauke® EK 60/22 CFM Battery powered hydraulic crimping tool with Makita battery system

BN 27738



Code	Crimping range [mm ²]
EK 60/22 CFM	6-300

- Large crimping range up to 300 mm²
- Fast crimping cycles due to automatic return stop (ARS)
- All tool data in view thanks to display and i-press® app
- Battery system Makita
- All data can be easily read via Bluetooth
- Closed head, hinged, rotatable
- Quality assurance via visual and audible signals in case of error
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Simple and safe: automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Additional information

Crimping force 60 kN

Stroke / opening width 17 mm

3 s (with ARS) to 5 s (depending on the crimping cross-section)

Number of crimps approx. 300 at 150 mm² Cu DIN

Battery voltage 18 V

Battery capacity 4,0 Ah, Li-Ion

Battery charging time 36 min

Ambient temperature -10 °C to + 40 °C

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for contact parts

Battery powered hydraulic

Klauke® EK 60/22 CFB Battery powered hydraulic crimping tool with Bosch battery system

BN 27736



Code	Crimping range [mm ²]
EK 60/22 CFB	6-300

- Large crimping range up to 300 mm²
- Fast crimping cycles due to automatic return stop (ARS)
- All tool data in view thanks to display and i-press® app
- Battery system Bosch
- All data can be easily read via Bluetooth
- Closed head, hinged, rotatable
- Quality assurance via visual and audible signals in case of error
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Simple and safe: automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Additional information

Crimping force 60 kN
Stroke / opening width 17 mm
3 s (with ARS) to 5 s (depending on the crimping cross-section)
Battery voltage 18 V
Battery capacity 5,0 Ah, Li-Ion
Battery charging time 45 min
Ambient temperature -10 °C to + 40 °C

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

Tools for contact parts

Electromechanic

Klauke® EK 50 ML Electromechanical crimping tool

BN 27729



Code	Crimping range [mm²]
EK 50 ML	0,14-50

- The Klauke micro with intuitive PowerSense function combines the benefits of manual crimping tools with the convenience of battery powered hydraulic crimping tools
- Excellent crimping results with minimum effort
- Simple and safe: one-button operating concept for controlling all tool functions
- Electronic control with locking function monitors full closing of the dies
- Simple and safe, automatic retraction after operation completed
- Manual retract as required
- Motor stall protection
- Ergonomic 2C housing in the Klauke «In-line Design»
- Fastening eye for use with balancer or as fall protection in field applications
- Very low weight and high speed for maximum efficiency
- Powerful drive technology for fatigue proof operations
- LED for work area illumination
- Maintenance display via LED
- Project-based reporting with Klauke i-press® software package

Additional information

Crimping force max. 15 kN

Crimping cycle < 1.5 s (based on connection material)

Number of crimps approx. 300 for 10 mm² Cu DIN 46234 / per battery charge

Battery voltage 10,8 V

Battery capacity 1,5 Ah Li-Ion

Battery charging time ca. 40 min.

Ambient temperature -10 °C to +40 °C

Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

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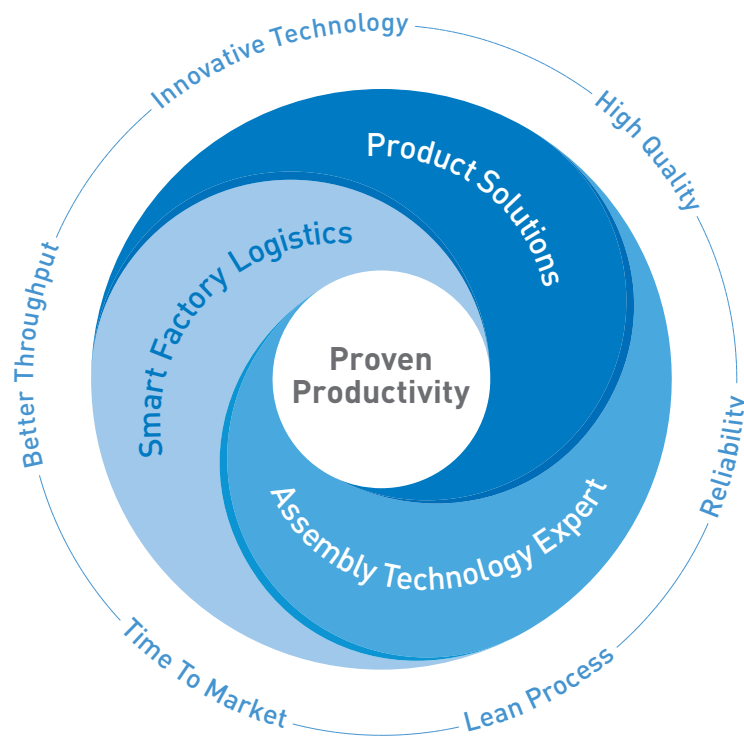
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PROVEN PRODUCTIVITY – A PROMISE TO OUR CUSTOMERS

The strategy for success



From years of cooperation with our customers we know what achieves proven and sustainable impact. We have identified what it takes to strengthen the competitiveness of our customers. Therefore we support our customers in three strategic core areas.

Firstly, when finding optimal **Product Solutions**, that is in the evaluation and use of the best fastening part for the particular function intended in our customers' products.

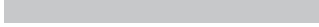
Second, our **Assembly Technology Expert** services deliver the smartest solutions for all possible fastening challenges. Our services cover from the moment our customers developing a new product, to

assembly process optimization as well as fastening technology education for our customers' employees.

And thirdly, optimising our clients' productions in a smart and lean way with **Smart Factory Logistics**, our methodology, with intelligent logistics systems and tailor-made solutions.

Understood as a promise to our customers, "Proven Productivity" contains two elements: Firstly, that it demonstrably works. And secondly, that it sustainably and measurably improves the productivity and competitiveness of our customers.

And this for us is a philosophy which motivates us every day to always be one step ahead.



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