

Most blind rivet nut setting devices are lift-controlled, the others are setting force-controlled
The FireFox® from GESIPA® represents a new generation of blind rivet nut setting device which allows the user to define which control type he would like: simply, quickly and safely.

FireFox® – The new one

Setting blind rivet nuts with traction force adjustment

This means that the tool will stop pulling the blind rivet nut when a pre-adjusted traction force threshold is reached. No re-adjustment is needed when setting blind rivet nuts into different material thicknesses or when using blind rivet nuts with different shaft lengths. Traction force control prevents damage of the material which cannot be overstressed by a too high setting pressure and preserves the integrity of the blind rivet nut thread. As a bonus, it also extends the life duration of the threaded mandrels. The desired traction force threshold can be very simply adjusted with an allen wrench once the stroke adjustment has been set to the maximum.



FireFox® – The reliable one

Setting blind rivet nuts with constant stroke adjustment

This means that the tool will pull the blind rivet nut with its maximum force and stop immediately when the pre-adjusted stroke has been covered, nut for nut, safely and reliably. The stroke adjustment is easily and clearly performed using a millimetre scale on the tool adjustment thumb wheel, without the need for any tool, after having adjusted the pulling force to its maximum. The millimetre adjustment scale exactly reflects the effective stroke of the threaded mandrel, so that maladjustment is nearly impossible. Moreover it is safely locked to prevent any drift. The protruding length of the threaded mandrel can be adjusted manually according to the shaft length of the blind rivet nut.



FireFox® – The versatile one

Sets blind rivet nuts from M3 to M12, also those with extended grip range

The wide range of suitable thread sizes provides the FireFox® with a large variety of possible operation. The choice between stroke and traction force control also makes it suitable for industrial applications where several material thicknesses need to be covered, which would normally require the use of several tools. Moreover, its outstanding 10mm stroke is ideally suited to the new generation of large grip range blind rivet nuts, like the GESIPA® PolyGrip® products.



FireFox® – The simple one

Easy operation through automatic drill-on function

The drill-on process will automatically start when a blind rivet nut is lightly pressed onto the mandrel tip. This avoids the cumbersome double action on twin triggers. Thereafter introduce the blind rivet nut into its setting hole, press the trigger and keep it pressed until the setting cycle is completely finished, nut drilled off and tool free. It couldn't be easier!



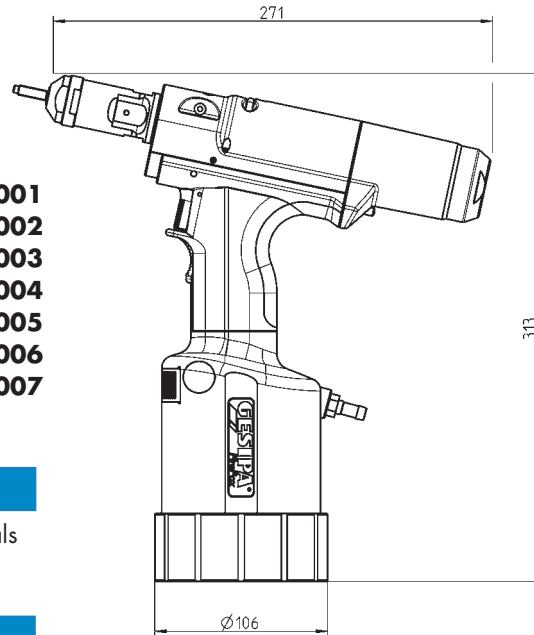
FireFox® – The fast one

Extremely fast working cycle

Great care has been taken to shorten every sequence of the setting cycle to its absolute minimum: Pulling sequence and subsequent automatic drill-off take place at breathtaking speed and require only a single action on the trigger.

The ultimate hydro-pneumatic blind rivet nut setting tool

With its FireFox® GESIPA® is setting new standards in the field of blind rivet nut setting. The tool can be controlled either through a stroke adjustment or through pulling force limitation. Especially the latter provides a safe anchorage of the blind rivet nut in its hole, while preserving both application materials and inner thread with high process safety.



- FireFox® - M6** Part no. **772 0001**
- FireFox® - M3** Part no. **772 0002**
- FireFox® - M4** Part no. **772 0003**
- FireFox® - M5** Part no. **772 0004**
- FireFox® - M8** Part no. **772 0005**
- FireFox® - M10** Part no. **772 0006**
- FireFox® - M12** Part no. **772 0007**

Working range

M3 to M10 blind rivet nuts all materials and M12 in aluminium and steel

Technical data

Weight: 2.4 kg
 Adjustable stroke, max: 10mm
 Adjustable traction force, max: 18.5 kN at 5 bar
 Operating air pressure: 5-7 bar
 Air hose connection: 6 mm Ø (1/4")
 Air consumption: approx. 2 to 4 ltr. per cycle (depending on nut size)

Scope of delivery

- 2 double open ended wrenches SW 24/27
- 1 hexagon screwdriver SW 4
- 1 oil refill can with hydraulic oil 100 ml
- 1 oil refill can
- Operating instructions with spare parts list

Equipment

Threaded mandrel and nosepiece choice from M3 to M12

Accessories

- Adapter for use with hexagon socket cylinder screws DIN EN ISO 4762 as threaded mandrel from M4 to M8
- Adapter for setting blind rivet studs, M4 to M8
- Nosepieces and threaded mandrels in imperial or US dimensions
- Complete threaded mandrel and nosepiece sets

Threaded mandrel

| Description | Part no. |
|----------------------|-----------------|
| Threaded mandrel M3 | 772 1046 |
| Threaded mandrel M4 | 772 1047 |
| Threaded mandrel M5 | 772 1048 |
| Threaded mandrel M6 | 772 1049 |
| Threaded mandrel M8 | 772 1050 |
| Threaded mandrel M10 | 772 1051 |
| Threaded mandrel M12 | 772 1052 |

| Description | Part no. |
|-------------------------------|-----------------|
| Threaded mandrel 6-32 UNC | 772 1101 |
| Threaded mandrel 8-32 UNC | 772 1102 |
| Threaded mandrel 10-24 UNC | 772 1103 |
| Threaded mandrel 10-32 UNC | 772 1104 |
| Threaded mandrel 1/4"-20 UNC | 772 1105 |
| Threaded mandrel 5/16"-18 UNC | 772 1106 |
| Threaded mandrel 3/8"-16 UNC | 772 1107 |

Nosepieces

| Description | Part no. |
|---------------|-----------------|
| Nosepiece M3 | 772 1053 |
| Nosepiece M4 | 772 1054 |
| Nosepiece M5 | 772 1055 |
| Nosepiece M6 | 772 1056 |
| Nosepiece M8 | 772 1057 |
| Nosepiece M10 | 772 1058 |
| Nosepiece M12 | 772 1059 |

| Description | Part no. |
|------------------------|-----------------|
| Nosepiece 6-32 UNC | 772 1108 |
| Nosepiece 8-32 UNC | 772 1109 |
| Nosepiece 10-32 UNF | 772 1110 |
| Nosepiece 1/4"-20 UNC | 772 1111 |
| Nosepiece 5/16"-18 UNC | 772 1112 |
| Nosepiece 3/8"-16 UNC | 772 1113 |

FireFox® accessories

FireFox® protective cover

An additional protective cover over the head ensures that the stroke length setting is not unintentionally changed.

Part no. 772 1194



Conversion kit for blind rivet stud nuts

| | Part no. | BRN thread protrusion | |
|----|-----------------|-----------------------|-------|
| | | min. | max.* |
| M4 | 772 1138 | 8 | 22 |
| M5 | 772 1139 | 9 | 22 |
| M6 | 772 1140 | 10 | 22 |
| M8 | 772 1141 | 12 | 22 |

* A correspondingly extended nosepiece must be used for thread protrusions > 22 mm.

FireFox® special accessories

Ready to hand and neatly stored

Complete metric threaded mandrel and nosepiece set M3 to M12

Metric dimensions

Part no. **772 1115**

UNC/UNF dimensions

Part no. **772 1142**



Conversion kit for Hexagon socket screws

| Conversion kit for DIN screws | Part no. |
|-------------------------------|-----------------|
| M4 x min. 20 | 772 1117 |
| M5 x min. 25 | 772 1132 |
| M6 x min. 30 | 772 1136 |
| M8 x min. 30 | 772 1137 |

Conversion kit for setting nuts

| Conversion kit for setting nuts | Part no. |
|---------------------------------|-----------------|
| M6 | 772 1308 |
| M8 | 772 1309 |
| M10 | 772 1310 |
| M12 | 772 1311 |

FireFox® C

NEW



Advice and delivery time on request

Available from end of 2012

FireFox® C — the variant with a setting process monitoring function

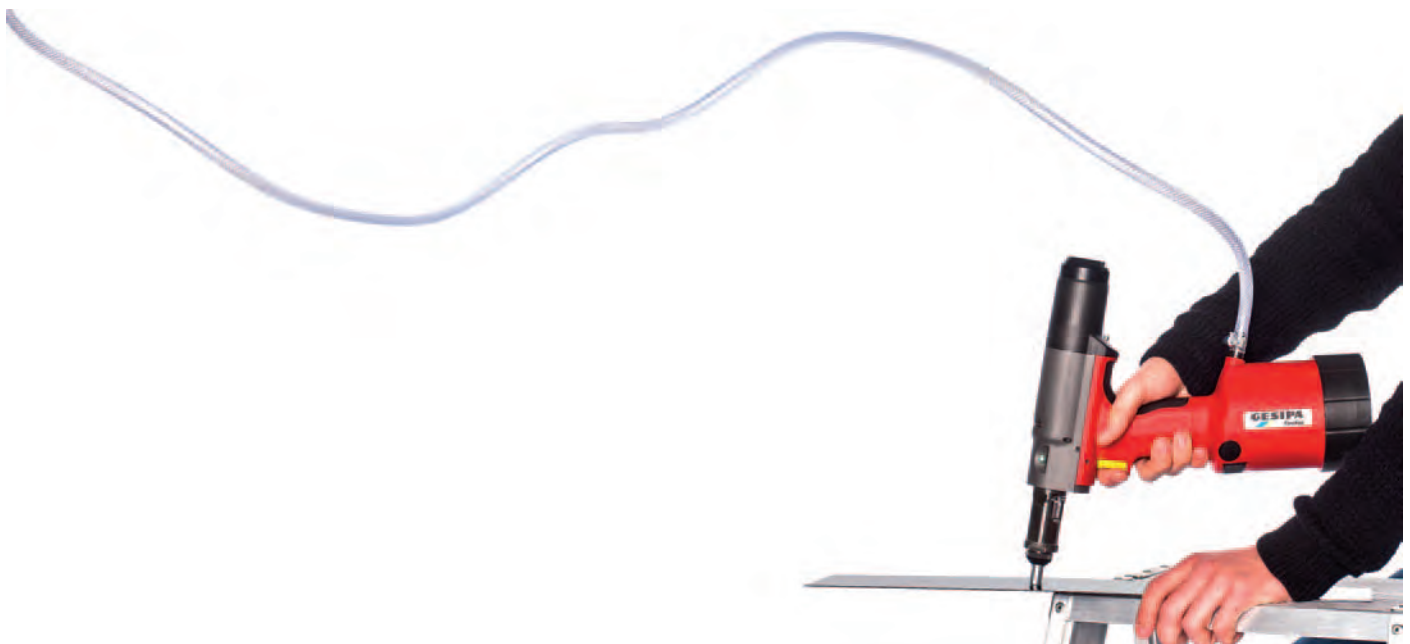
The basis for this device is the proven **Taurus C**. Here the setting process is analysed via integrated electronics using travel and force sensors. The user can define an OK window using a special software. The result of the setting process monitoring is shown on the device via a coloured LED; the values can also be recorded and processed via data lines.

FireFox® C — application

In the series production of safety parts or also for automatic setting processes, the FireFox® C allows the results to be checked and documented.

FireFox® C — the benefits

- High process security
- Documentation of each separate setting process
- Less scrap because errors can be recognised immediately



GBM 95

Hydro-pneumatic blind rivet nut setting tool

Working range

Blind rivet nuts from M3 to M10 all materials

Technical data

Weight: 2.3 g
 Operating air pressure: 6 bar
 Air hose connection: 6 mm Ø (1/4")
 Air consumption: approx. 8 ltr. per rivet process
 Traction power: 15,700 N (1.600 kp)
 Stroke: 7 mm

Accessories

1 wrench MSU
 1 hexagon screwdriver SW 4
 1 hexagon ball-end driver SW 2.5
 1 assembly rod
 1 pin spanner Ø 42
 1 oil refill can with hydraulic oil

Equipment

Standard:
 Threaded mandrel and nosepiece M6
 (also with optional M3, M4, M5, M8 or M10)
 Operating instructions with spare parts list
 Stroke table



GBM 95 – M6 Part no. 727 0143
 GBM 95 – M3 Part no. 727 0208
 GBM 95 – M4 Part no. 727 0194
 GBM 95 – M5 Part no. 727 0186
 GBM 95 – M8 Part no. 727 0178
 GBM 95 – M10 Part no. 727 0151



Features

- Patented, rational drilling in and out system for threaded mandrels — time saving
- The compressed air used for the setting process is then used to automatically wind off the threaded mandrel — efficiently
- Simple lift setting — safe and complete setting of the blind rivet nuts
- Setting process: Hydraulic in an axial lift action — no twisting or turning of the blind rivet nuts and no damage to the surface
- Easy one-hand operation — rational and fatigue-proof
- Pneumatic locking of threaded mandrel — fast change without tools
- Hydraulic head; aluminium with wear-proof cylinder surface
- Pneumatic cylinder: aluminium with impact-resistance plastic sheath

Threaded mandrels

| Article | Part no. |
|----------------------|----------|
| Threaded mandrel M3 | 727 9108 |
| Threaded mandrel M4 | 727 9116 |
| Threaded mandrel M5 | 727 9124 |
| Threaded mandrel M6 | 727 9132 |
| Threaded mandrel M8 | 727 9140 |
| Threaded mandrel M10 | 727 9159 |

Nosepieces

| Article | Part no. |
|---------------|----------|
| Nosepiece M3 | 727 9167 |
| Nosepiece M4 | 727 9175 |
| Nosepiece M5 | 727 9183 |
| Nosepiece M6 | 727 9191 |
| Nosepiece M8 | 727 9205 |
| Nosepiece M10 | 727 9213 |

Conversion kit for blind rivet stud nuts

| | Part no. | BRN thread protrusion | |
|-----|----------|-----------------------|-------|
| | | min. | max.* |
| M4 | 727 1409 | 8 | 22 |
| M5 | 727 1417 | 9 | 22 |
| M6 | 727 1425 | 10 | 22 |
| M8 | 727 1433 | 12 | 22 |
| M10 | 727 1441 | 14 | 22 |

* A correspondingly extended nosepiece must be used for thread protrusions > 22 mm.