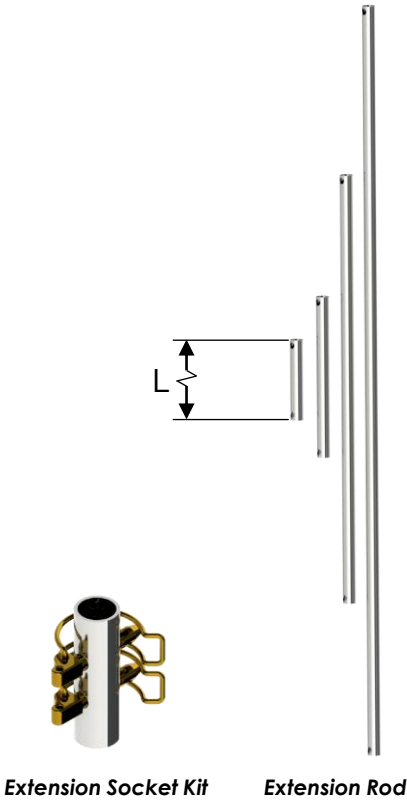# Tools
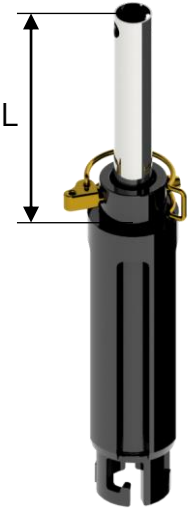## Lifting & Tightening

The line Tools & Accessories contains a set of tools that will enhance and/or simplify the handling of Metenova's products.
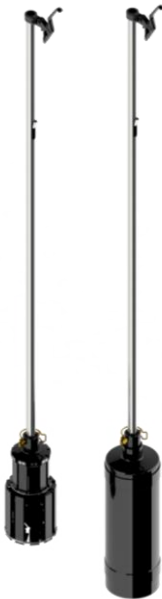
Tools & Accessories

L

**Lifting Tool**

**HP & HS Lifting Tool**

L

**Extension Socket Kit**   **Extension Rod**

**Tightening Tool**

**HS Stator Tightening Tool**

### General information

| Material | Rods | Stainless Steel EN 1.4404 / AISI 316L |
|---|---|---|
| | Rod pins | Stainless Steel EN 1.4301 / AISI 304 |
| | Tool heads | Polyamide 30% glass fiber reinforced, Polyoxymethylene (POM) and/or Black Anodized Aluminum |

- Items are individually packed and for traceability purposes marked with item number.
- Metenovas Quality Assurance System ensures the quality and traceability at all stages of the process.
- When using tools with extensions, great care must be taken so that neither vessel nor product are damaged. This is done at your own risk, in case of uncertainty, tank entry is recommended.

MeteNova

— Extension rod

— Extension socket kit

— Extension rod

— Tool

### Modular tool system
*Possible to build together several extensions to reach down into deep vessel. Can even be used when the space above the vessel is limited since assembly and disassembly can be done when the tool system is lowered or taken out of the vessel.*
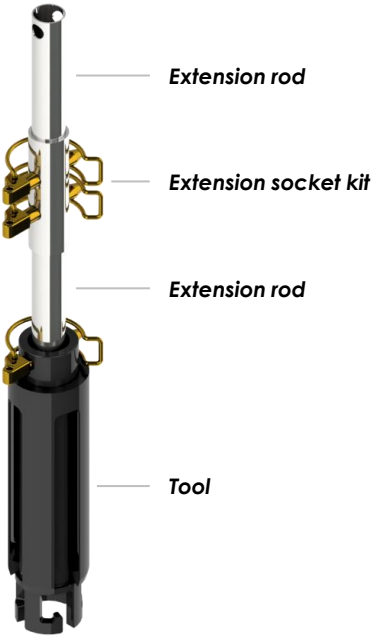
## Tools

| Part # | | Compatible with |
|---|---|---|
| | **Extension** | |
| ZG00016-05232 | Extension socket kit | A kit for assembling more than one extension rod |
| ZG00016-00782 | Extension rod L=150 mm | |
| ZG00016-04513 | Extension rod L=300 mm | Extension rods can be used for lifting tools for ZG, ZGP and ZF and all tightening tools. |
| ZG00016-04775 | Extension rod L=800 mm | |
| ZG00016-00726 | Extension rod L=1400 mm | |
| | **Tightening tool** | |
| ZG00016-00866 | ZG Tightening Tool, Male Post 18 mm, L=150 mm | ZG1・ZG2・ZG2P・HP2・HS2 |
| ZG00016-05382 | ZG Tightening Tool, Male Post 32 mm, L=150 mm | ZG3・ZG5・ZG6・ZG7・ZG5P・ZG7P・HP5・HS5 |
| ZG00016-05381 | ZG Tightening Tool, Male Post 40 mm, L=150 mm | ZG8・ZG9・ZG10・HP8・HS8 |
| ZG53016-04377 | ZG8 Tightening Tool with guide, Male Post 40 mm, L=150 mm | ZG8 |
| ZG14016-04787 | ZG9 Tightening Tool with guide, Male Post 40 mm, L=150 mm | ZG9 |
| ZG24016-04788 | ZG10 Tightening Tool with guide, Male Post 40 mm, L=150 mm | ZG10 |
| TU00016-01801 | TU Tightening Tool kit, Male Post 18 mm, L=150 mm | TU-GMP50・TU-SM60 |
| TU00016-05384 | TU Tightening Tool kit, Male Post 32 mm, L=150 mm | TU-GMP100・TU-GMP500・TU-GMP1000・TU-GMP2000・TU-SM85・TU-SM120 |
| TU00016-05383 | TU Tightening Tool kit, Male Post 40 mm, L=150 mm | TU-GMP5 000・TU-GMP10 000・TU-GMP20 000・TU-SM120H・TU-SM210 |
| | **Stator Tightening tool** | |
| HS51016-03805 | HS2 Stator Tightening Tool, L=0 mm | HS2 |
| HS52016-03627 | HS5 Stator Tightening Tool, L=0 mm | HS5 |
| HS53016-03920 | HS8 Stator Tightening Tool, L=0 mm | HS8 |

## Tools

| Part # | Lifting tool | Compatible with |
|--------|--------------|-----------------|
| ZG00016-00872 | ZG Lifting Tool, Mix Head 18 mm, L=150 mm | ZG2 · TU-GMP50 · TU-SM60 |
| ZG00016-00779 | ZG Lifting Tool, Mix Head 32 mm, L=150 mm | ZG3 · ZG5 · ZG6 · ZG7 · TU-GMP100 · TU-GMP500 · TU-GMP1000 · TU-GMP2000 · TU-SM85 · TU-SM120 |
| ZG53016-04376 | ZG8 Lifting tool, Mix Head, L=150 mm | ZG8 |
| ZG14016-04785 | ZG9 Lifting tool, Mix Head, L=150 mm | ZG9 |
| ZG24016-04786 | ZG10 Lifting tool, Mix Head, L=150 mm | ZG10 |
| ZG51P016-04790 | ZG2P Lifting Tool, Mix Head, L=150 mm | ZG2P |
| ZG52P016-05188 | ZG5P Lifting Tool, Mix Head, L=150 mm | ZG5P |
| ZG23P016-04777 | ZG7P Lifting Tool, Mix Head, L=150 mm | ZG7P |
| ZF12016-05174 | ZF100 Lifting Tool, Mix Head, L=150 mm | ZF100 |
| ZF16016-05175 | ZF160 Lifting Tool, Mix Head, L=150 mm | ZF160 |
| HP51016-05224 | HP2 Lifting Tool, Mix Head, L=600 mm | HP2 |
| HP52016-03620 | HP5 Lifting Tool, Mix Head, L=800 mm | HP5 |
| HS51016-05223 | HS2 Lifting Tool, Rotor, L=600 mm | HS2 |
| HS52016-04036 | HS5 Lifting Tool, Rotor, L=800 mm | HS5 |