

# Manual assembly tools for EO/EO-2

## VOMO – Pre-assembly tools for EO/EO-2 tube connections

Simple but essential tool for the manual presetting of EO-fittings.

The use of a VOMO assures that the bite ring securely cuts into the tube without damage on the inner fitting cone.

Pre-assembly using VOMO or EOMAT must be done for all connections of:

- EO-2 with large tube dimensions (Tube OD 30 mm and above)
- EO-Progressive Stop Ring/Progressive Ring with stainless steel tube or standpipe fittings (E.g.: “BE”-type hose fitting).

For proper use, see EO assembly instructions. VOMO tools wear out and then may cause assembly failures. VOMO's must be checked regularly with “KONU” cone gauges (max. after 50 assemblies) and replaced when damaged or worn out.

### Specifications:

Material: hardened tool steel

Sizes: 4 LL – 12 LL,  
6 L – 42 L,  
6 S – 38 S

Pre-assembly of: EO-2 and Progressive Stop Ring PSR/EO progressive Ring DPR

### Features, advantages and benefits of pre-assembly tools:

1. **Marking notch** – A special ridge engraves a circular mark onto the tube end to verify that it was properly bottomed at assembly. Failures caused by improper tube cutting or bottoming in VOMO can be recognised before final installation.
2. **Flexible** – A VOMO can be used anywhere to assure safe fitting assembly – even at assembly sites where EOMAT machines are not available.
3. **Safe** – Hazardous blowout of incorrect assembled standpipe hose fittings or stainless steel tube can be avoided by VOMO-assembly.



4. **Efficient** – There is no doubt that VOMO-presetting contributes to save time and effort in bite-type assembly. The small investment pays back immediately.
5. **Special** – VOMO tools are specifically designed and manufactured to match EO-fitting standards.
6. **Tool lifetime** – Assembly tools are subject of wear and must be regularly (max. 50 assemblies) cleaned and checked (Checking instructions see chapter E). Worn out tools can cause dangerous as-

sembly failures and must be replaced in time. Average tool lifetime is approx. 5000 cycles when properly used. Maximum lifetime can be achieved by following factors:

- Regular cleaning and checking
- Clean and corrosion-protected storage
- Proper de-burring and cleaning of tube end
- Proper tool selection and operation
- Use of specified lubricant

| Series | Tube o.d. mm | Pre-assembly tools Order code | Cone gauges Order code    |
|--------|--------------|-------------------------------|---------------------------|
| LL     | 4            | VOMO04LLX                     | KONU04+06LLX              |
|        | 6            | VOMO06LLX                     |                           |
|        | 8            | VOMO08LLX                     | KONU06+08LLX              |
|        | 10           | VOMO10LLX                     |                           |
|        | 12           | VOMO12LLX                     | KONU10+12LLX              |
| L      | 6            | VOMO06LX                      | KONU06+08LX <sup>1)</sup> |
|        | 8            | VOMO08LX                      |                           |
|        | 10           | VOMO10LX                      | KONU10+12LX <sup>1)</sup> |
|        | 12           | VOMO12LX                      |                           |
|        | 15           | VOMO15LX                      | KONU15+18LX               |
|        | 18           | VOMO18LX                      |                           |
|        | 22           | VOMO22LX                      | KONU22+28LX               |
|        | 28           | VOMO28LX                      |                           |
|        | 35           | VOMO35LX                      | KONU35+42LX               |
| S      | 42           | VOMO42LX                      |                           |
|        | 6            | VOMO06SX                      | KONU06+08LX <sup>1)</sup> |
|        | 8            | VOMO08SX                      |                           |
|        | 10           | VOMO10SX                      | KONU10+12LX <sup>1)</sup> |
|        | 12           | VOMO12SX                      |                           |
|        | 14           | VOMO14SX                      | KONU14+16SX               |
|        | 16           | VOMO16SX                      |                           |
|        | 20           | VOMO20SX                      | KONU20+25SX               |
|        | 25           | VOMO25SX                      |                           |
|        | 30           | VOMO30SX                      | KONU30+38SX               |
|        | 38           | VOMO38SX                      |                           |

1) Cone gauges for tube o.d.6 to 12 mm are identical in series L and S.