

Accessories

12

ER SYSTEM

- 12.01 **Spanners**
- 12.03 **Wrench Heads**
- 12.04 **Torque Wrenches**
- 12.05 **ZWT Trays for Collet Sets**
- 12.06 **DSR Trays for Sealing Disk Sets**

powRgrip SYSTEM

- 12.08 **Clamping Units PGU/PGC**

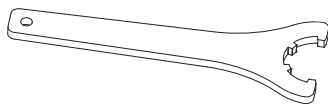
Other Accessories

- 12.09 **WMB Tool Holding Fixture
FWR Balancing Rings**
- 12.10 **KSR Coolant Tubes**



Swiss
Precision
Tools

Spanners

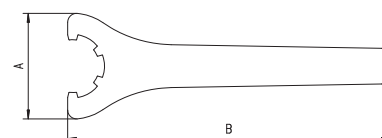


Type E | EP | EM

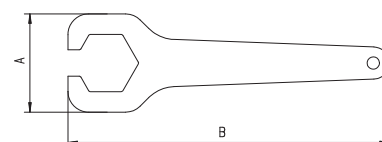
| Type | Part No. | Size | A [mm] | B [mm] | For Hi-Q / ER | For Hi-Q / ERC | For Hi-Q / ERB | For Hi-Q / ERBC | For Hi-Q / ERM | For Hi-Q / ERMC | For ER MS | For ER AX | For ER AXC | For CM / ER |
|------|------------|-------|--------|--------|---------------|----------------|----------------|-----------------|----------------|-----------------|-----------|-----------|------------|-------------|
| E 16 | 7111.16000 | ER 16 | 50.0 | 160 | | | | | | | | | | ■ |
| E 20 | 7111.20000 | ER 20 | 55.0 | 180 | | | | | | | | | | ■ |
| E 25 | 7111.25000 | ER 25 | 65.0 | 210 | ■ | ■ | ■ | ■ | | | | | | ■ |
| E 32 | 7111.32000 | ER 32 | 75.0 | 250 | ■ | ■ | ■ | ■ | | | | | | ■ |
| E 40 | 7111.40000 | ER 40 | 90.0 | 290 | ■ | ■ | ■ | ■ | | | | | | ■ |
| E 50 | 7111.50000 | ER 50 | 110.0 | 350 | ■ | | ■ | | | | | | | |

| | | | | | | | | | | | | | | |
|--------|------------|-------|------|-----|---|---|---|---|--|--|--|--|--|--|
| E 11 P | 7112.11010 | ER 11 | 32.0 | 95 | ■ | ■ | | | | | | | | |
| E 16 P | 7112.16010 | ER 16 | 44.0 | 145 | ■ | ■ | ■ | ■ | | | | | | |
| E 20 P | 7112.20010 | ER 20 | 52.0 | 170 | ■ | ■ | ■ | ■ | | | | | | |

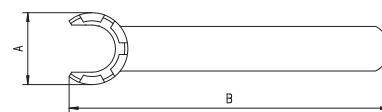
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|--------|------------|-------|------|-----|--|--|--|--|---|---|--|--|--|--|
| E 8 M | 7113.08000 | ER 8 | 12.4 | 74 | | | | | ■ | | | | | |
| E 11 M | 7113.11000 | ER 11 | 16.8 | 95 | | | | | ■ | ■ | | | | |
| E 16 M | 7113.16000 | ER 16 | 22.5 | 117 | | | | | ■ | ■ | | | | |
| E 20 M | 7113.20000 | ER 20 | 29.0 | 129 | | | | | ■ | ■ | | | | |
| E 25 M | 7113.25000 | ER 25 | 36.0 | 141 | | | | | ■ | ■ | | | | |



Type E



Type EP



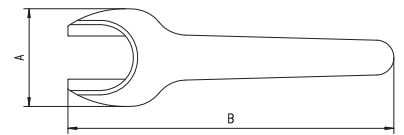
Type EM

Spanners

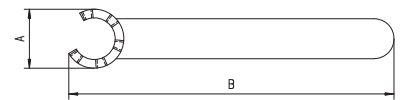


Type EMS | EAX

| Type | Part No. | Size | A [mm] | B [mm] | For Hi-Q / ER | For Hi-Q / ERC | For Hi-Q / ERB | For Hi-Q / ERBC | For Hi-Q / ERM | For Hi-Q / ERMC | For ER MS | For ER AX | For ER AXC | For CM / ER |
|---------|------------|-------|--------|--------|---------------|----------------|----------------|-----------------|----------------|-----------------|-----------|-----------|------------|-------------|
| E 8 MS | 7114.08000 | ER 8 | 19.2 | 76 | | | | | | | ■ | | | |
| E 11 MS | 7114.11000 | ER 11 | 22.0 | 100 | | | | | | | ■ | | | |
| E 16 MS | 7114.16000 | ER 16 | 33.0 | 130 | | | | | | | ■ | | | |
| E 20 MS | 7114.20000 | ER 20 | 42.0 | 140 | | | | | | | ■ | | | |
| E 11 AX | 7117.11000 | ER 11 | 16.5 | 108 | | | | | | | | ■ | | |
| E 16 AX | 7117.16000 | ER 16 | 22.5 | 131 | | | | | | | | ■ | ■ | |
| E 20 AX | 7117.20000 | ER 20 | 26.0 | 148 | | | | | | | | ■ | ■ | |
| E 25 AX | 7117.25000 | ER 25 | 29.5 | 162 | | | | | | | | ■ | ■ | |
| E 32 AX | 7117.32000 | ER 32 | 37.5 | 196 | | | | | | | | ■ | ■ | |
| E 40 AX | 7117.40000 | ER 40 | 47.5 | 220 | | | | | | | | ■ | ■ | |



Type EMS



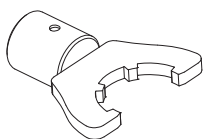
Type EAX



Swiss
Precision
Tools

ER

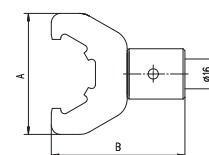
Accessories



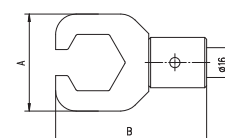
Matching Products

Wrench Heads Type A-E | A-EP | A-EM | A-EMS | A-EAX

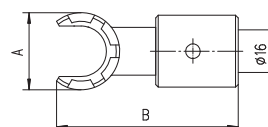
| Type | Part No. | Size | A [mm] | B [mm] | For Hi-Q / ER | For Hi-Q / ERC | For Hi-Q / ERB | For Hi-Q / ERBC | For Hi-Q / ERM | For Hi-Q / ERMC | For ER AX | For ER AXC | For CM / ER | For ER / MS |
|-----------|------------|-------|--------|--------|---------------|----------------|----------------|-----------------|----------------|-----------------|-----------|------------|-------------|-------------|
| A-E 16 | 7151.16000 | ER 16 | 50.0 | 62.0 | | | | | | | | | ■ | |
| A-E 20 | 7151.20000 | ER 20 | 55.0 | 62.0 | | | | | | | | | ■ | |
| A-E 25 | 7151.25000 | ER 25 | 65.0 | 72.0 | ■ | ■ | ■ | ■ | | | | | ■ | |
| A-E 32 | 7151.32000 | ER 32 | 75.0 | 72.0 | ■ | ■ | ■ | ■ | | | | | ■ | |
| A-E 40 | 7151.40000 | ER 40 | 90.0 | 82.0 | ■ | ■ | ■ | ■ | | | | | ■ | |
| A-E 50 | 7151.50000 | ER 50 | 110.0 | 94.0 | ■ | ■ | | | | | | | | |
| A-E 11 P | 7152.11010 | ER 11 | 32.0 | 61.0 | ■ | ■ | | | | | | | | |
| A-E 16 P | 7152.16010 | ER 16 | 44.0 | 71.0 | ■ | ■ | ■ | ■ | | | | | | |
| A-E 20 P | 7152.20010 | ER 20 | 52.0 | 81.0 | ■ | ■ | ■ | ■ | | | | | | |
| A-E 8 M | 7153.08000 | ER 8 | 12.4 | 53.0 | | | | | ■ | | | | | |
| A-E 11 M | 7153.11000 | ER 11 | 16.8 | 54.0 | | | | | ■ | ■ | | | | |
| A-E 16 M | 7153.16000 | ER 16 | 22.5 | 56.0 | | | | | ■ | ■ | | | | |
| A-E 20 M | 7153.20000 | ER 20 | 29.0 | 68.0 | | | | | ■ | ■ | | | | |
| A-E 25 M | 7153.25000 | ER 25 | 36.0 | 70.0 | | | | | ■ | ■ | | | | |
| A-E 8 MS | 7154.08000 | ER 8 | 19.2 | 51.0 | | | | | | | | | | ■ |
| A-E 11 MS | 7154.11000 | ER 11 | 22.0 | 57.0 | | | | | | | | | | ■ |
| A-E 16 MS | 7154.16000 | ER 16 | 33.0 | 60.0 | | | | | | | | | | ■ |
| A-E 20 MS | 7154.20000 | ER 20 | 42.0 | 73.0 | | | | | | | | | | ■ |
| A-E 11 AX | 7157.11000 | ER 11 | 16.5 | 62.1 | | | | | | | ■ | | | |
| A-E 16 AX | 7157.16000 | ER 16 | 22.5 | 63.5 | | | | | | | ■ | ■ | | |
| A-E 20 AX | 7157.20000 | ER 20 | 26.0 | 64.8 | | | | | | | ■ | ■ | | |
| A-E 25 AX | 7157.25000 | ER 25 | 29.5 | 93.0 | | | | | | | ■ | ■ | | |
| A-E 32 AX | 7157.32000 | ER 32 | 37.5 | 95.8 | | | | | | | ■ | ■ | | |
| A-E 40 AX | 7157.40000 | ER 40 | 47.5 | 99.4 | | | | | | | ■ | ■ | | |



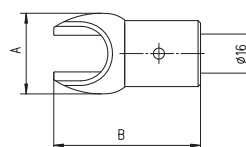
Type A-E



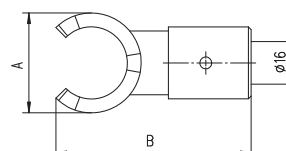
Type A-EP



Type A-EM

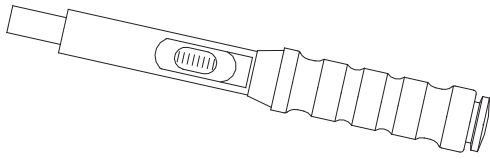


Type A-E MS



Type A-EAX

Recommended tightening torque on page 13.03/13.04



Torque Wrenches

Torque Wrenches TORCO-FIX

| Type | Part No. | Range [Nm] | L1 [mm] |
|---------------|------------|------------|---------|
| TORCO-FIX 0 | 7150.02025 | 2 – 25 | 290 |
| TORCO-FIX I | 7150.05050 | 5 – 50 | 335 |
| TORCO-FIX II | 7150.20200 | 20 – 200 | 465 |
| TORCO-FIX III | 7150.60300 | 60 – 300 | 565 |

Recommended tightening torque on page 13.03/13.04