



MILLING UNITS



PNEUMATIC MILLING UNITS BE 22 SKM AND BE 33 SKM

The BE 22/33 SKM consists of an air motor, a gear box and a robust body. The design is compact as well as robust. BE 22/33 SKM comes in a wide range of speeds, and is available for lubrication-free operation.

- STURDY AND COMPACT DESIGN
- WIDE RANGE OF RPMs
- DIRECTED EXHAUST



Guidelines for choice of unit [mm]

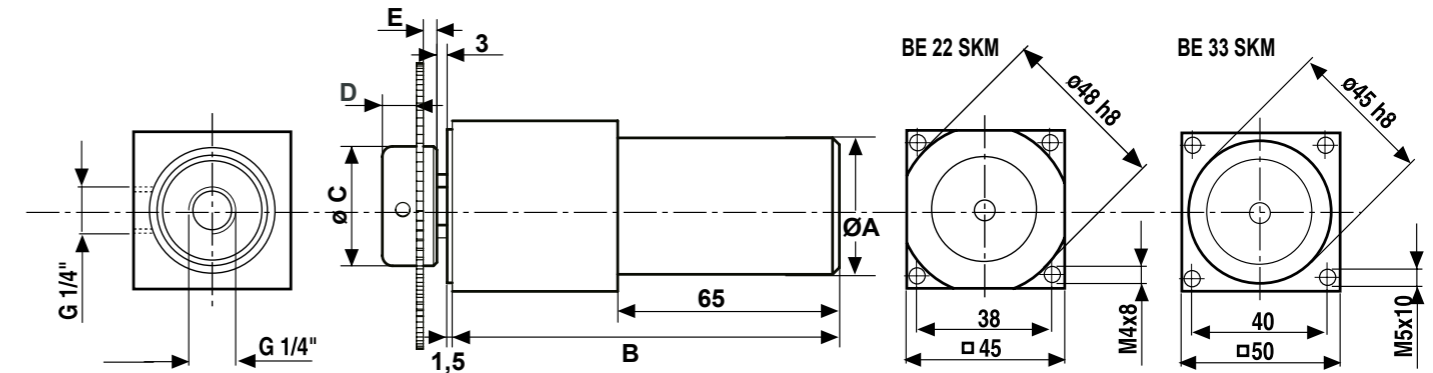
| MILLING UNIT | TOOL | CAPACITY IN STEEL | CAPACITY IN ALUMINUM/BRASS | CAPACITY IN WOOD/PLASTIC |
|--------------|---------------|-------------------|----------------------------|--------------------------|
| BE 22 SKM | Saw ø | - | 100 | 100 |
| | Blade gauge | - | 2 | 4 |
| BE 33 SKM | Saw ø | 80 | 100 | 100 |
| | Blade gauge | 1.5 | 4 | 6 |
| BE 22 SKM | End mill ø | 4 | 6 | 10 |
| | Cutting depth | 2 | 2 | 4 |
| BE 33 SKM | End mill ø | 6 | 10 | 25 |
| | Cutting depth | 2 | 4 | 6 |

Performance specifications at 6.3 Bar

| | | | | |
|-----------------|---------|---|------------------------|----------|
| Power BE 22 SKM | 0.25 kW | Air consumption BE 22 SKM <0.3 Nm ³ /min | Working pressure range | 6-7 Bar |
| BE 33 SKM | 0.36 kW | BE 33 SKM <0.5 Nm ³ /min | Sound level | 70 dB(A) |

| MILLING UNIT | SPEED (IDLE) [RPM] | SPEED (AT MAX OUTPUT) [RPM] | TORQUE (AT MAX OUTPUT) [NM] | |
|--------------|--------------------|-----------------------------|-----------------------------|------|
| LOW SPEED | BE 225 SKM | 500 | 250 | 9.9 |
| | BE 228 SKM | 800 | 400 | 6.0 |
| | BE 2211 SKM | 1 100 | 550 | 4.3 |
| HIGH SPEED | BE 2222 SKM | 2 200 | 1 100 | 2.4 |
| | BE 2236 SKM | 3 600 | 1 800 | 1.5 |
| | BE 2249 SKM | 4 900 | 2 450 | 1.1 |
| | BE 22220 SKM | 22 000 | 11 000 | 0.25 |
| LOW SPEED | BE 335 SKM | 500 | 250 | 12.6 |
| | BE 337 SKM | 700 | 350 | 10.4 |
| | BE 3313 SKM | 1 300 | 650 | 5.7 |
| | BE 3326 SKM | 2 600 | 1 300 | 2.9 |
| | BE 3333 SKM | 3 300 | 1 650 | 2.3 |
| | BE 3360 SKM | 6 000 | 3 000 | 1.3 |
| | BE 33210 SKM | 21 000 | 10 500 | 0.37 |

Dimensions [mm]



You can download 2D CAD-drawings and 3D CAD-models on www.e2systems.com.

| MILLING UNIT | SPEED | øA | B | WEIGHT [KG] | BORE | øC | D | E |
|--------------|-------|----|-----|-------------|------|----|----|---|
| BE 22 SKM | Low | 36 | 141 | 1.5 | ø 16 | 35 | 10 | 4 |
| | High | 36 | 109 | 0.9 | ø 22 | 40 | 8 | 5 |
| BE 33 SKM | Low | 40 | 149 | 2.0 | ø32 | 50 | 12 | 5 |
| | High | 40 | 115 | 1.4 | | | | |

Necessary components

| TOOL HOLDERS | TYPE | PAGE |
|--------------|--|------|
| | Nuts For ø 16 mm, ø 22 mm and ø 32 mm bore | |
| | Collet Chucks ER11 ø 1.0-7.0 mm ER20 ø 1.0-13.0 mm ER32 ø 2.0-20.0 mm | 47 |
| COLLETS | TYPE | PAGE |
| | ER11 ø 1.0-7.0 mm ER20 ø 1.0-13.0 mm ER32 ø 2.0-20.0 mm | 47 |

Accessories

| CONTROLS | TYPE | PAGE |
|----------|------------------------------|------|
| | Controls for BE SKM-units | 51 |