

HIGH SPEED SPINDLES

Air-cooled spindles

S 27



Air-cooled spindle designed for high speed, precision and reliability. It is intended for building in to machines or automation cells for such operations as grinding, milling and deburring etc. Compressed air-cooling (type P) is advisable when operating in either dirty or hostile environments or if more effective cooling is required. The noise level is also lower.



▲ S 27-30



▲ S 27-40



▲ S 27-54



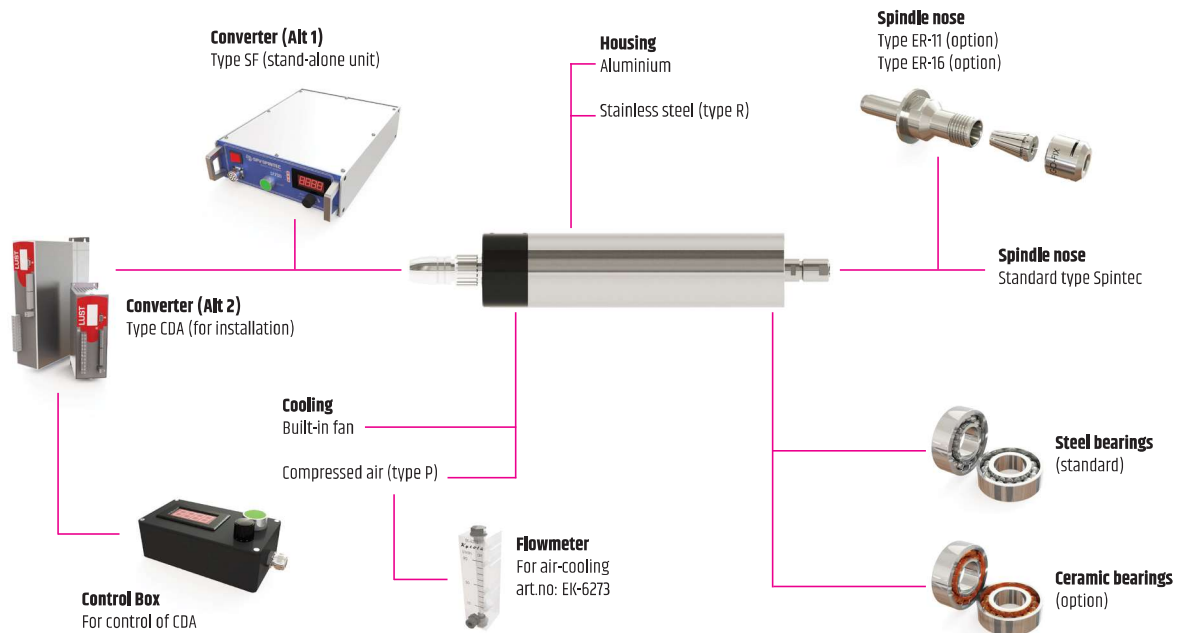
▲ Type AC
angular
connection

Technical specifications

| |
|---|
| S 27 |
| Housing: |
| Steel |
| Cooling: |
| Built-in fan Compressed air (type P) |
| Ball bearings: |
| Permanently lubricated, spring pre-loaded, high performance angular contact ball bearings. S 27-30 is provided with dual front ball bearings. |
| Electrical connection: |
| 6-pin contact with included PTC via frequency converter. |
| Rotation direction: |
| Right rotating Left rotating (option) |

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Standard accessories included

- ▲ 3 m cable
- ▲ 2 chuck keys
- ▲ 1 collet in any dimension (specify on order)

Drive unit

- ▲ Frequency converter, stand-alone unit: SF1500
- ▲ Frequency converter for installation: CDA-1.5
- ▲ Control Box for control of CDA: CONTROL BOX

| Spindle model | ØD1 mm | L1 mm | L2 mm | L3 mm | L4 mm | Weight kg | Spindle nose type | Collet max Ø mm |
|---------------|---------------|-----------|---------------|---------------|----------------|-------------------|----------------------------------|-----------------|
| S 27 - 30 | 60 | 347 | 37 | 25 | 102 | 3,3 | Spintec 17 | 8,0 |
| S 27 - 40 | 60 | 337 | 37 | 20 | 102 | 3,2 | Spintec 17 | 8,0 |
| S 27 - 54 | 60 | 318 | 37 | 20 | 82 | 3,0 | Spintec 17 | 8,0 |
| | Effect max kW | Voltage V | Speed max RPM | Speed min RPM | Run-out max mm | Coaxiality max mm | Air consumption l / min (type p) | Noise level dB |
| S 27 - 30 | 0,56 | 200 | 30 000 | 9 000 | 0,005 | 0,05 | 100 * | 80 |
| S 27 - 40 | 0,8 | 204 | 40 000 | 9 000 | 0,005 | 0,05 | 80 * | 80 |
| S 27 - 54 | 0,75 | 189 | 54 000 | 9 000 | 0,005 | 0,05 | 80 * | 80 |

* The air flow between the spindle and the flowmeter may vary depending on various conditions

