

## Powerful machines with flexible shafts fulfill every wish of every mold maker

For all grinding work, stationary or at worksites. There are no limits to the range of applications for which the flexible shaft machines can be used. Mechanical gears for compact and direct power transmission.



### Flexible shaft machines: Facts

The separation of drive unit and the tool itself provides for complete freedom of operation, without fatigue, during long working periods. Additionally, areas difficult to reach with other tools can be worked effectively with flexible shaft machines.

Some advantages of machines with flexible shafts:

- Wider fields of application, with universal combination possibilities.
- Light and handy tools, related to specific performance.
- Operation in restricted areas.
- Wide speed range.
- Constant speed.
- High cutting capacity.
- Unaffected by constant rough working conditions.
- Rugged construction – long working life.
- Pollution-free – low noise levels.

## MINIFIX

### Precision work in a class of its own

Very lightweight and easy to handle, fatigue-free operation guaranteed.  
Intricate right-angled and straight handpieces for optimum application.

#### MINIFIX 25-R:

Integrated variable tachometer electronics  
Speed control from 11000–25000 RPM

#### MINIFIX 9-R:

Integrated variable tachometer electronics  
Speed control from 4000–9000 RPM

#### Areas of application:

Tool and mould design, jewellery and dental industry, engine tuning, model making, etc., for use with carbide burs, grinding tips, flap wheels (up to Ø 40 mm), wire brushes (up to Ø 40 mm), polishing bobs, felt polishing bobs, non-woven fibre brushes and discs.

#### Technical data

Universal motor, fully insulated, 230/120 V, 50/60 Hz

Power input:  
MINIFIX 25-R 500 W  
MINIFIX 9-R 500 W

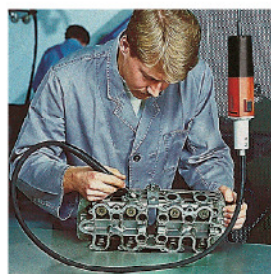
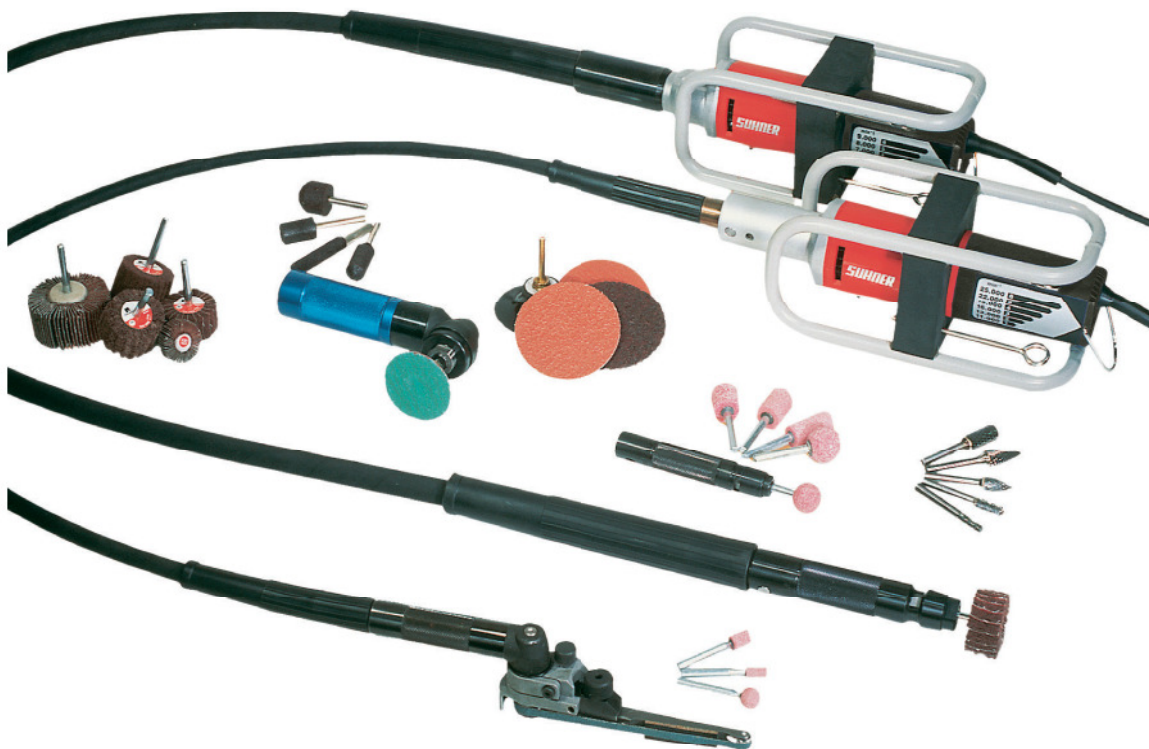
Idling speed:  
MINIFIX 25-R 11000–25000 RPM  
MINIFIX 9-R 4000–9000 RPM


Flexible shaft connection: DIN 10

Vibration dampening for low-vibration motor
















#### Standard equipment

Tool only: 3 m cable with plug, 2 locking pins, type 10



| Type  | Designation   | Voltage      | Order No. | Weight kg |
|---|---|--------------|-----------|-----------|
|  | MINIFIX 25-R set  | 230 V, 50 Hz | 110 153   | 4.650     |
|   |   | 120 V, 60 Hz | 110 154   |           |
|   | <p><b>Complete flexible shaft set:</b></p> <p>Fully insulated drive motor, 3 m cable with plug, flexible shaft NA 4 x1250 mm DIN 10/G16, FH4 tool holder with 6 mm collet.</p> <p><b>Tool set:</b></p> <p>1 ceramic-bond mounted point K 0816 V, B 1303 V, F 0808 V, 1 mounted polishing point FPB 1208, 1 set of spanners, metal carrier case.</p> |              |           |           |

#### Combination options

| Type  | Order No.   | Type  | Order No.   |
|---|---|---|---|
|   |  |    | 57 570 01   |
| <b>MINIFIX 25-R</b>   |   |   | 57 661 01   |
| <b>Voltage</b>  | <b>Order No.</b>  | <b>Weight kg</b>  |   |
| 230 V, 50 Hz  | 110 163   | 1.650   |   |
| 120 V, 60 Hz  | 110 164   |   |   |
|  |   |  | 110 220   |
| <b>NA 4 x 1250 DIN 10 / G 16</b>  |   |  | 49 530 01   |
| 30 002 02   |   |  | 57 645 01   |
|  |   |  | 57 662 01   |
| <b>MINIFIX 9-R</b>  |   |   |   |
| <b>Voltage</b>  | <b>Order No.</b>  | <b>Weight kg</b>  |   |
| 230 V, 50 Hz  | 110 202   | 2.300   |   |
| 120 V, 60 Hz  | 110 203   |   |   |
|  |   |   |   |
| <b>NA 7 x 1500 DIN 10 / G 22</b>  |   |   |   |
| 30 007 02   |   |   |   |
| <b>DIN 10 extension system</b>  | <b>Order No.</b>  | <b>Weight kg</b>  |   |
|  | 59 231 01   | 1.100   | Individually combinable to required length, up to max. 5 m. |
|  | 59 189 01   | 1.150   |   |
|  | 59 189 02   | 2.800   |   |
|  | 59 190 01   | 0.360   |   |



## ROTOSET

### Taking it to the next level

Power tools with universal motor.

#### ROTOSET 25-R:

Integrated variable tachometer electronics:  
Speed control from 11000–25000 RPM  
Constant operating speeds, even under load  
Overload protection

#### ROTOSET 28:

28000 RPM high-speed power tool, with no electronics  
Suitable for use with external speed controllers, e.g. with SC 01 controllable from approx. 10000 to 28000 RPM.

#### Areas of application:

Grinding, milling, roughing, cutting, brushing and polishing for DIY, precision engineering, tool and mould design, engine tuning, assembly work.

#### Technical data

Universal motor, fully insulated, 230/120 V, 50/60 Hz

Power input:  
ROTOSET 25-R, 1000 W  
ROTOSET 28, 750 W

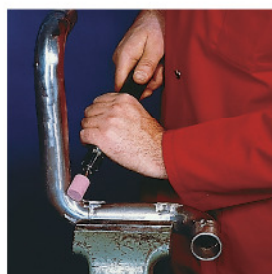
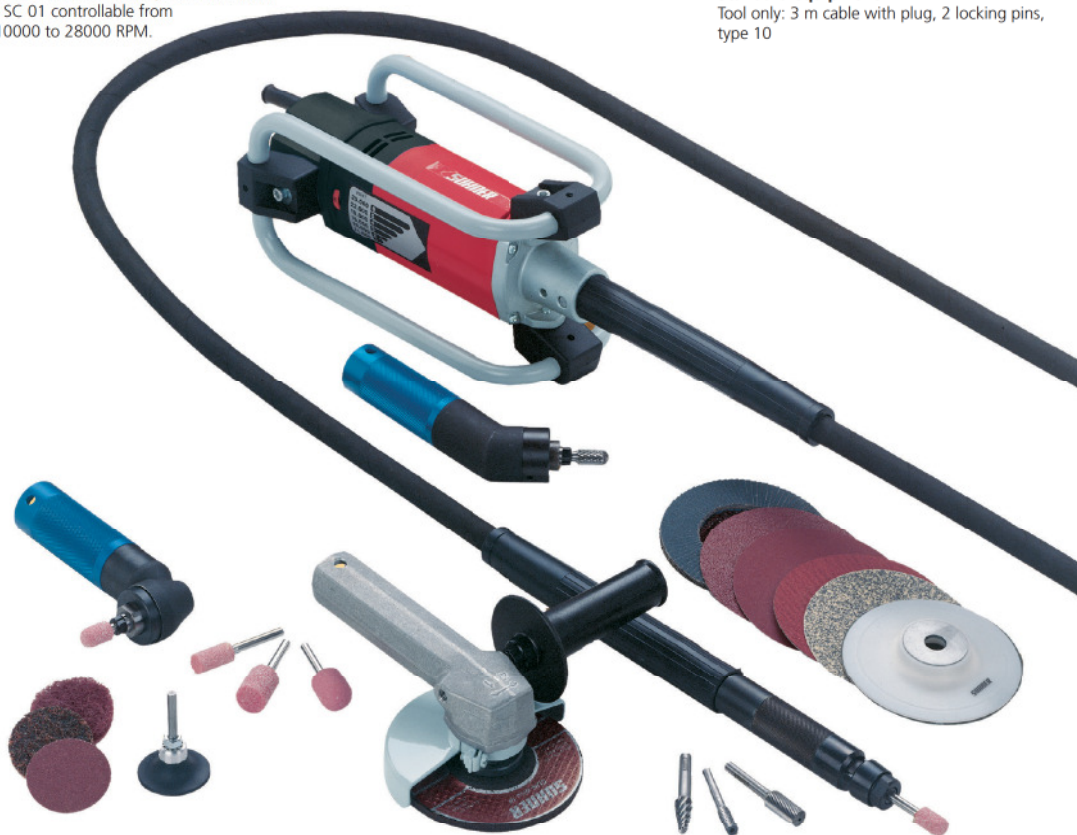
Idling speed:  
ROTOSET 25-R, 11000–25000 RPM  
ROTOSET 28, 28000 RPM


Flexible shaft connection: DIN 10


Vibration dampening for low-vibration motor

#### Standard equipment










Tool only: 3 m cable with plug, 2 locking pins, type 10



| Type  | Designation      | Voltage      | Order No. | Weight kg |
|---|------------------|--------------|-----------|-----------|
|    | ROTOSET 25-R Set | 230 V, 50 Hz | 110 159   | 11.000    |
|   |                  | 120 V, 60 Hz | 110 160   |           |
|   | ROTOSET 28 Set   | 230 V, 50 Hz | 110 157   | 11.000    |
|   |                  | 120 V, 60 Hz | 110 158   |           |
| <b>Complete ROTOSET kit:</b><br>Universal motor, fully insulated, with combined foot and suspension bracket, 3 m cable and plug. Flexible shaft NA 7 x 2000 mm, DIN 10/G22; FH 7 tool holder with 6 mm collet; angle grinder at tachment WIG7 (2.7:1 reduction ratio) with wheel guard and flange for grinding and cutting wheels 115 mm Ø.<br><b>Tool set:</b><br>1 grinding disc 115 mm Ø, 1 cutting disc 115 mm Ø, 1 steel wire cup brush TDB 70, 70 mm Ø, 1 synthetic backing pad type F5S 110, 2 off corundum fibre wheels type KFS 115 ST grain 60 and 120, 1 set of spanners, sturdy metal carrier case. |                  |              |           |           |

| Type  | Designation                                | Voltage      | Order No. | Weight kg                                    |
|---|--|--------------|-----------|--|
|  | SC 01                                      | 230 V, 50 Hz | 110 039   | 1.200  |
|   |  | 120 V, 60 Hz | 110 070   |  |
|   | Electronic speed controller for ROTOSET 28 |              |           | Speed control range approx. 10000–28000 RPM. |

#### Combination options

| Type   | Order No. | Type  | Order No.    |  |         |           |           |              |         |       |              |
|--|-----------|---|--------------|--|---------|-----------|-----------|--------------|---------|-------|--------------|
|   | DIN10     |  | 49 530 01    |  |         |           |           |              |         |       |              |
| <table><tr><th colspan="3">ROTOSET 25-R</th></tr><tr><th>Voltage</th><th>Order No.</th><th>Weight kg</th></tr><tr><td>230 V, 50 Hz</td><td>110 152</td><td rowspan="2">2.850</td></tr><tr><td>120 V, 60 Hz</td><td>110 151</td></tr></table> |           | ROTOSET 25-R  |              |  | Voltage | Order No. | Weight kg | 230 V, 50 Hz | 110 152 | 2.850 | 120 V, 60 Hz |
| ROTOSET 25-R   |           |   |              |  |         |           |           |              |         |       |              |
| Voltage  | Order No. | Weight kg   |              |  |         |           |           |              |         |       |              |
| 230 V, 50 Hz   | 110 152   | 2.850   |              |  |         |           |           |              |         |       |              |
| 120 V, 60 Hz   | 110 151   |   |              |  |         |           |           |              |         |       |              |
|   | DIN10     | G 22  |              |  |         |           |           |              |         |       |              |
|  |           |  | 57 645 01    |  |         |           |           |              |         |       |              |
|  |           |  |              |  |         |           |           |              |         |       |              |
|  |           |  | 57 662 01    |  |         |           |           |              |         |       |              |
|  |           |  | 49 608 04    |  |         |           |           |              |         |       |              |
|  |           |  | WB 7 110 221 |  |         |           |           |              |         |       |              |
|   |           |   |              |  |         |           |           |              |         |       |              |
| NA 7 x 2000 DIN 10 / G 22  |           | 49 790 01   |              |  |         |           |           |              |         |       |              |

## ROTOSTAR

The starring role when versatility is key

**SUHNER** high-performance tool with fully insulated motor.

High torque at all speed levels due to eccentric gear reduction.

For high-performance work even in areas difficult to access.

Jolt-free soft start (230 V types) for enhanced operating safety.

Startup current limitation for use on power grids with low fuse ratings or on generators.

### Areas of application:

Cutting, roughing, milling, grinding, de-rusting, brushing, polishing, for medium to heavy-duty work in mechanical workshops, fitters and metal-working shops, tool and mould design, and off-site assembly work.

### Technical data

Universal motor, fully insulated, 230/120 V, 50/60 Hz

Power input: 1700 W

Speeds: 3000, 6000, 12000 RPM (mechanical, through eccentric gear)

Flexible shaft connection: DIN 10


Vibration dampening for low-vibration motor

### Standard equipment

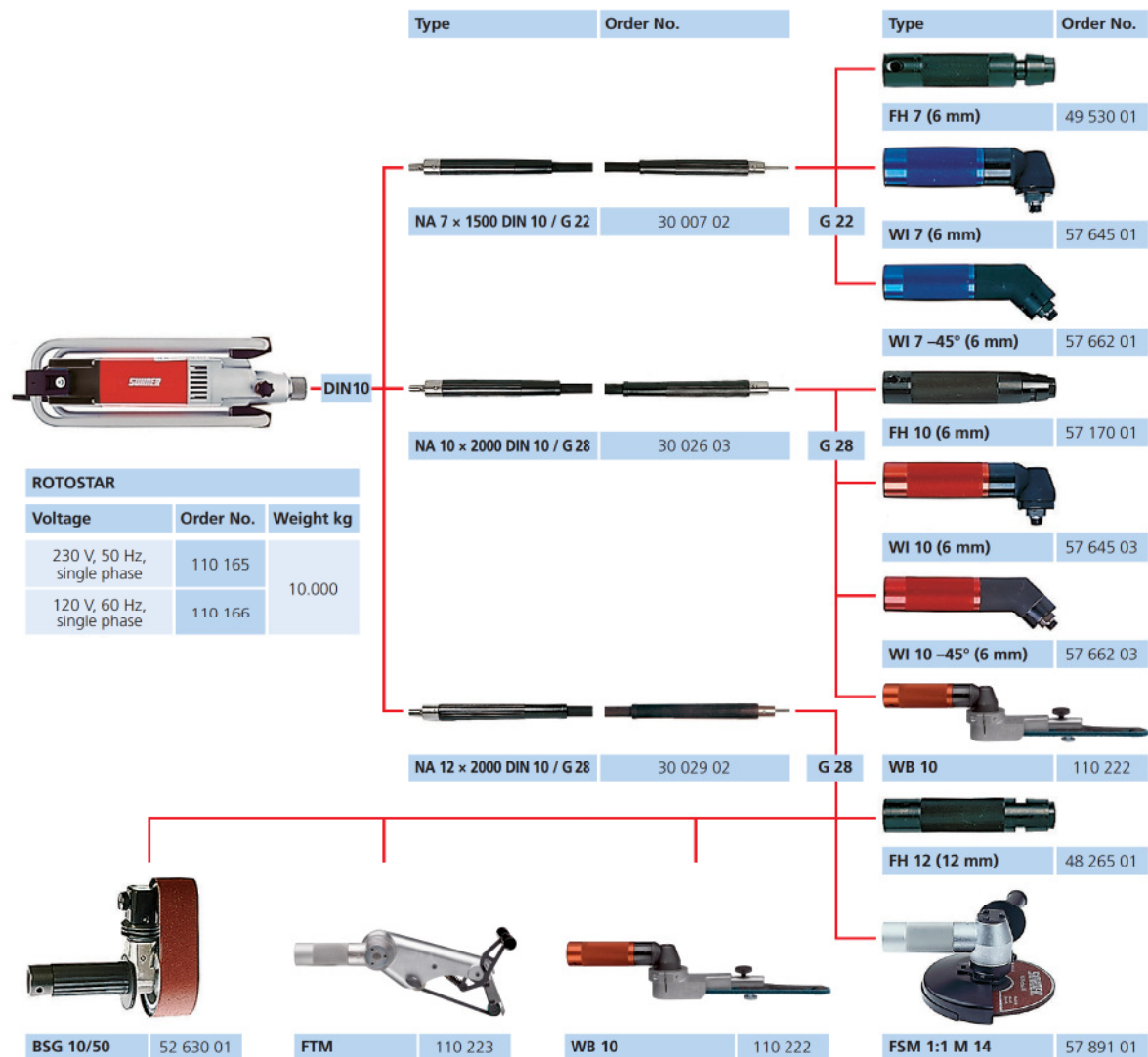
Tool only: 3 m cable with plug, 2 locking pins, type 10





| Type  | Designation   | Voltage                    | Order No. | Weight kg |
|---|---|----------------------------|-----------|-----------|
|  | ROTOSTAR set  | 230 V, 50 Hz, single phase | 110 143   | 19.800    |
|   |   | 120 V, 60 Hz, single phase | 110 144   |           |
|   | <b>Complete flexible shaft set:</b><br>Fully insulated universal motor with 3 speeds (3000, 6000, 12000 RPM), 3 m cable with plug, with flexible shaft NA 10×2000 mm DIN 10/ G28, FH 10 tool holder with 6 mm collet, sturdy metal carrier case, set of spanners. |                            |           |           |

#### Combination options



## ROTOFIX

### The all-rounder

Gear-driven tool with 5 speeds.

Extremely rugged design for trouble-free operation.

Three-phase motor for optimum use of tools and grinding attachments.

Multi-purpose tool with extensive selection of **SUHNER** quality accessories.

Choice of 3 models

F: with base plate

STM: trolley-mounted

HM: with suspending attachment

#### Technical data:

Three-phase motor, IP 44 protection class

Power input: 0.50 kW

Voltage 400 V, 50 Hz

Speeds 750, 1400, 3000, 6300 and 11000 RPM

Flexible shaft connection:

for Switzerland and for general exports:

G28, (type HM DIN 10);

for Germany, Denmark and Holland: DIN 10

Motor and gear drive fully enclosed and jacket-cooled, with built-in ON/OFF switch, carrying handle, 3 m cable, manually switchable gear change at standstill, swivel-mounted unit

Also available with insulation coupling.


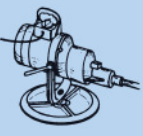


#### Protection class 1

#### Areas of application:


Grinding, milling, brushing, polishing and drilling for mould and tool design. In mechanical workshops, in the shoe and glass industry.





| ROTOFIX   |                           | F   |         | STM  |         | HM  |  |
|---|---------------------------|---|---------|--|---------|---|--|
|  |                           |  |         |  |         |  |  |
| Flexible shaft connection:  |                           | G 28  | DIN 10  | G 28   | DIN 10  | DIN 10  |  |
| Order No.   | 400 V, 50 Hz, three-phase | 110 007   | 110 008 | 110 011  | 110 012 | 110 010   |  |
| Weight kg   |                           | 11.500  | 11.500  | 31.800   | 31.800  | 12.150  |  |

#### Combination options



**ROTOFIX G 28**  
0.50 kW  
750, 1400, 3000, 6300 and 11000 RPM

**G 28**

| Type                    | Order No. |
|-------------------------|-----------|
| NA 4 × 1250 G 28 / G 16 | 30 001 02 |
| NA 7 × 1500 G 28 / G 22 | 30 009 02 |
| RG G 28                 | 10 510 01 |

**G 16**

| Type        | Order No. |
|-------------|-----------|
| FH 4 (6 mm) | 57 570 01 |
| Wi 4 (3 mm) | 57 661 01 |

**G 22**

| Type        | Order No. |
|-------------|-----------|
| FH 7 (6 mm) | 49 530 01 |
| Wi 7 (6 mm) | 57 645 01 |

**DIN 10**

| Type                      | Order No. |
|---------------------------|-----------|
| NA 4 × 1250 DIN 10 / G 16 | 30 002 02 |
| NA 7 × 1500 DIN 10 / G 22 | 30 007 02 |
| RG DIN 10                 | 10 510 03 |

**G 16**

| Type        | Order No. |
|-------------|-----------|
| FH 4 (6 mm) | 57 570 01 |
| Wi 4 (3 mm) | 57 661 01 |

**G 22**

| Type        | Order No. |
|-------------|-----------|
| WB 4        | 110 220   |
| FH 7 (6 mm) | 49 530 01 |
| Wi 7 (6 mm) | 57 645 01 |

**WB 7**

110 221

High-speed gear unit RG for speeds in excess of 12000 RPM with NA 4 and NA 7.

The machines are supplied without a plug. A suitable plug must therefore be fitted by an approved and qualified specialist.

## ROTOFERA

### The seven-speed genius

Gear-driven tool with 7 speeds – saves energy and costs.

Long service life and maximum performance with 1.00 kW three-phase motor.

Versatile multi-purpose machine, backed up by an extensive range of **SUHNER** quality accessories.

Very rugged aluminium housing for use in industrial applications.

Choice of 3 models

F: with base plate

STM: trolley-mounted

HM: with suspending attachment

#### Areas of application:

Cutting, roughing, grinding, milling, de-rusting, brushing and polishing. For exacting work in mechanical workshops, fitters' shops and metalworking shops, in mould and tool design, in stainless steel processing plants (kitchen and hospital accessories).

#### Technical data:

Three-phase motor, IP 44 protection class

Power input 1.00 kW

Voltage 400 V, 50 Hz

Speeds 850, 1600, 2100, 3200, 5700, 8000 and 12000 RPM

Flexible shaft connection:

for Switzerland and for general exports:

G28 (type HM DIN 10);


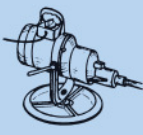
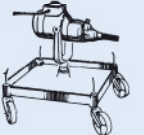

for Germany, Denmark and Holland: DIN 10

Motor and gear drive fully enclosed and jacket-cooled, with built-in ON/OFF switch, carrying handle, 3 m cable, manually switchable gear change at standstill, swivel-mounted unit


Also available with insulation coupling

Protection class 1



| ROTOFERA  |                           | F   |            | STM  |            | HM  |  |
|---|---------------------------|---|------------|--|------------|---|--|
|  |                           |  |            |  |            |  |  |
| Flexible shaft connection:  |                           | G 28  | DIN 10     | G 28   | DIN 10     | DIN 10  |  |
| Order No.   | 400 V, 50 Hz, three-phase | 110 019   | 110 020    | 110 023  | 110 024    | 110 022   |  |
|   | 42 V, 50 Hz, three-phase  | 110 019 05  | 110 020 10 | 110 023 26   | 110 024 09 |   |  |
| Weight kg   |                           | 16.800  | 16.800     | 37.700   | 37.700     | 16.600  |  |


#### Combination options



**ROTOFERA G 28**  
1.00 kW  
850, 1600, 2100, 3200, 5700,  
8000 and 12000 RPM

| Type                     | Order No. |
|--------------------------|-----------|
| NA 10 × 1500 G 28 / G 28 | 30 015 02 |
| NA 10 × 2000 G 28 / G 28 | 30 015 03 |
| NA 12 × 2000 G 28 / G 28 | 30 028 02 |
| RG G 28                  | 10 510 01 |

| Type                      | Order No. |
|---------------------------|-----------|
| FH 10 (6 mm)              | 57 170 01 |
| FSM 1:1 only with NA 12   | 57 891 01 |
| FTM                       | 110 223   |
| FH 12 (12 mm)             | 48 265 01 |
| WI 10 (6 mm)              | 57 645 03 |
| WB 10                     | 110 222   |
| BSG 10/50 only with NA 12 | 52 630 01 |



**ROTOFERA DIN 10**  
1.00 kW  
850, 1600, 2100, 3200, 5700,  
8000 and 12000 RPM

High-speed gear unit RG for speeds in excess of 12000 RPM with NA 4 and NA 7.

The machines are supplied without a plug. A suitable plug must therefore be fitted by an approved and qualified specialist.

| Type                       | Order No. |
|----------------------------|-----------|
| NA 10 × 1500 DIN 10 / G 28 | 30 026 02 |
| NA 10 × 2000 DIN 10 / G 28 | 30 026 03 |
| NA 12 × 2000 DIN 10 / G 28 | 30 029 02 |
| RG DIN 10                  | 10 510 03 |



## ROTAR

The powerhouse with a multitude of possibilities

Six-speed gear-driven tool.

Ideally suited for heavy-duty work.

Trouble-free multi-purpose tool, backed up by an extensive range of **SUHNER** quality accessories.

Available in 2 motor sizes:

2.40 kW or 3.20 kW.

Choice of 3 models

F: with base plate

STM: trolley-mounted

HM: with suspending attachment

### Areas of application:

Grinding, cutting, roughing, de-rusting, polishing, brushing, etc. For heavy-duty work in foundries, in the boiler-making and steel industries, in mechanical workshops, and in stainless steel processing plants.

### Technical data:

Three-phase motor, IP44 protection class

Power input 2.40 kW or 3.20 kW.

Voltage 400 V, 50 Hz

Speed range IV: 1000, 1700, 2700, 5100, 7300 and 13500 RPM

Motor and gear drive fully enclosed and jacket-cooled

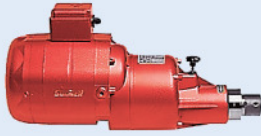
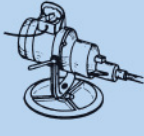
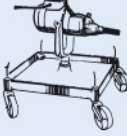
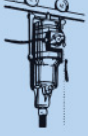
Flexible shaft connection: DIN15

Star-delta switch with 3 m cable, manually switchable gear change at standstill, swivel-mounted unit

Also available with insulation coupling

Protection class 1



| ROTAR   |                           | F   |         | STM   |         | HM  |         |
|---|---------------------------|---|---------|---|---------|---|---------|
|  |                           |  |         |  |         |  |         |
| Power input   |                           | 2.40 kW   | 3.20 kW | 2.40 kW   | 3.20 kW | 2.40 kW   | 3.20 kW |
| Order No.   | 400 V, 50 Hz, three-phase | 110 032   | 110 035 | 110 031   | 110 034 | 110 033   | 110 036 |
|   | 42 V, 50 Hz, three-phase  | 110 032 04  |         | 110 031 03  |         |   |         |
| Weight kg   |                           | 30.750  | 35.500  | 50.500  | 55.250  | 29.500  | 34.250  |

#### Combination options

