



ROGRIND 13.63 (base frame) – 5139900001
Module: BLDC electric motor grinding disc – 5134200007

For grinding of built-up welds on switch blades, frogs, stock rails and check rails as well as deburring of rail heads and in switches.

A grinding module (grinding disc/cup wheel) can be used with a base frame.

THE ADVANTAGES. YOUR BENEFITS.

High work quality & productivity

- Fast changeover of grinding modules without tools
- Low space requirement during transport and storage of the machine due to telescopic frame
- High flexibility due to various drive options
- Greater stability due to double holder of the 4 insulated flange rollers (divided)
- Drive for modules with BLDC electric motor: battery or power supply

User-friendly & safe

- Ergonomic guidance and operation of the machine
- Good view of the grinding area
- LED lighting
- Emergency stop on the push bar for more safety
- Rack for modules included in scope of delivery (excl. module for rail web grinding)

Wide range of applications

- The machine can be used for all common grinding and reprofiling work, especially in switches.
- Gauge adjustment without tools due to telescopic frame
- Optional: Work on grooved rails

High grinding and work quality

- Precisely ground face due to stable guidance and central feed of grinding units
- Precise setting of grinding angle with fine adjustment and large scale
- Grinding throughput with BLDC electric motor: at least 60 minutes of continuous grinding (depending on rail profile, trimmer, grinding wheel etc.)
- Consistent running during side grinding due to additional guide rollers
- Deadman's brake
- Twist resistant due to strong closed frame
- Optional: Module for grinding rail webs: for derusting the rail web for a continuous current flow before the flash welder machine, for preparing an insulated joint or removing rolling marks.

SPECIFICATION Base frame

| | |
|--|-----------------------|
| Track gauge | 1000 – 1676 mm |
| Dimensions in transport position (L x W x H) | 1560 x 1170 x 1115 mm |
| Dimensions in working position (L x W x H) | 2300 x 1170 x 1115 mm |
| Base frame weight | from 99 kg |

ACCESSORIES

| | |
|-------------|--|
| 5128930001 | Toolbox |
| 5120110001 | Rollers for grooved rails |
| 9000100195 | Cover |
| 5118930001V | Storage grid |
| 5138930005 | Rotating device 180° |
| 5138930004 | Battery tool box (up to 4 batteries (2300 Wh)) |

SPECIFICATION Module: Grinding disc

| | | | | |
|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| Drive | 4-stroke petrol engine | 4-stroke petrol engine | Electric motor | BLDC electric motor |
| Type | Honda GX 200 | Honda GX 270 | 400 V, 50 Hz | |
| Output | 4.3 kW | 6.3 kW | 4.0 kW | 6.6 kW |
| Grinding disc external diameter | 260 mm | 260 mm | 260 mm | 260 mm |
| Max. swivelling range | 32° in both directions | 32° in both directions | 32° in both directions | 32° in both directions |
| Grinding disc speed | 3250 rpm | 3250 rpm | 3250 rpm | 3250 rpm |
| Module weight | from 36.8 kg | from 48.2 kg | from 48 kg | from 24.1 kg |



Grinding disc module GX 200



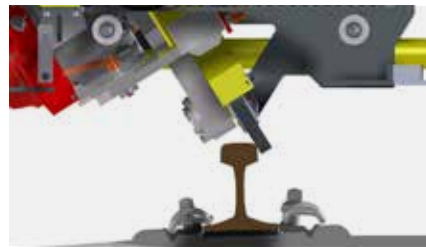
Grinding disc module GX 270



Electric motor grinding disc module



BLDC electric motor E³ grinding disc module



Maximum swivelling range: 32° in both directions with grinding disc module

ACCESSORIES

Grinding discs for flat bottom rails

- 9002000701 ø 260 x 25 mm, holder ø 120 mm
- 9002000463 ø 254 x 40 mm, holder ø 76.2 mm
- 8890500001V Grinding disc holder for grinding disc ø 254 x 40 mm, holder ø 76.2 mm
- 9002000439 ø 255 x 32 mm, holder ø 25.4 mm
- 8890810001 Grinding disc holder for grinding disc ø 255 x 32 mm, holder ø 25.4 mm

Grinding discs for grooved rails

- 9002000654 ø 260 x 15 mm, holder ø 120 mm
- 9889410004 Grinding disc holder for grinding disc ø 260 x 15 mm, holder ø 120 mm

Accessories for E³ grinding disc module

- 7836800001 Battery 2300 Wh
- 7879900001 Battery charger 2300 Wh
- 5039900003 Power supply, 400 Volt
- 5118930001V Storage grid for battery



Grinding discs

SPECIFICATION Module: Cup wheels

| Drive | 4-stroke petrol engine | Electric motor | BLDC electric motor | BLDC electric motor |
|---------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Type | RGX200 | 400 V, 50 Hz | | |
| Output | 4.6 kW | 4.0 kW | 6.6 kW | 6.6 kW |
| Grinding disc external diameter | 90 mm/125 mm/150 mm | 90 mm/125 mm/150 mm | 90 mm/125 mm/150 mm | 90 mm/125 mm/150 mm |
| Max. swivelling range | 80° internal and 20° external | 80° internal and 32° external | 80° internal and 32° external | 90° internal and 32° external |
| Grinding disc speed | 3900 rpm | 2900 rpm | 3800 rpm | 3800 rpm |
| Module weight | from 30.6 kg | from 37.5 kg | from 24.1 kg | from 30,5 kg |



RGX200cup wheel module



Electric motor cup wheel module



BLDC electric motor E³
cup wheel module



BLDC electric motor E³
cup wheel module 90°



Maximum swivelling range 32° external and 80° internal

ACCESSORIES

Cup wheels

- 9002000687 Ø 125 mm, central nut holder M20, max. circumferential speed 50 m/s, 125 x 65, grit size A12
- 9002000688 Ø 125 mm, 4xM8 screw fastening, max. circumferential speed 50 m/s, 125 x 65, pitch circle Ø 90, grit size A12
- 9002000690 Ø 150 mm, central nut holder M20, max. circumferential speed 50 m/s, 150 x 65, grit size A14
- 9002000689 Ø 150 mm, 4xM8 screw fastening, max. circumferential speed 50 m/s, 150 x 65, pitch circle 115, grit size A14
- 9878081000 Ø 90 mm conical for frog noses and switches, central nut holder M20 (also suitable for the running surface of grooved rails), max. circumferential speed 50 m/s, 90 x 65, grit size A14
- 9002000330 Ø 90 mm cylindrical for built-up welds, central nut holder M20

Accessories for E³ cup wheel module

- 7836800001 Battery 2300 Wh
- 7879900001 Battery charger 2300 Wh
- 5039900003 Power supply, 400 Volt
- 5118930001V Storage grid for battery



Cup wheels

SPECIFICATION Module: Rail web grinding

| | | |
|---|------------------------|---------------------|
| Drive | 4-stroke petrol engine | BLDC electric motor |
| Type | RGX200 | |
| Output | 4.6 kW | 6.6 kW |
| Profile grindstone cup wheel outside diameter | 135 mm x 90 mm | 135 mm x 90 mm |
| Max. swivelling range | +/- 15° | +/- 15° |
| Grinding disc speed | 3900 rpm | 3800 rpm |
| Module weight | from 34.5 kg | from 24.1 kg |

ACCESSORIES

Profile grindstones

- 9898081080 for rail sections 49E1 to R65
135 x 55 x 90/50/25.4
- 9002000556 for rail sections smaller than 49E1
135 x 55 x 70 x 20 x 25,4
- 5138930008 Wire brush with protective cover



RGX200 rail web grinding module



BLDC electric motor E³ rail web grinding module



Grinding disc module GX 200



Grinding disc module GX 270



Electric motor grinding disc module



BLDC electric motor E³ grinding disc module



RGX200 cup wheel module



ROGRIND 13.63 BASE FRAME



BLDC electric motor E³ rail web grinding module



BLDC electric motor E³ cup wheel module 90°



Electric motor cup wheel module



BLDC electric motor E³ cup wheel module



RGX200 rail web grinding module