

# GR-20

## Coarse Grinder



The LECO GR-20 is a high-speed, heavy-duty, wet or dry grinder engineered to quickly accomplish the coarse grinding stage. It can be used to prepare large or small samples for metallographic or spectrographic purposes.

A 3 HP motor drives a balanced 12-inch diameter bronze wheel at 1750 RPM (60 Hz) or 1450 RPM (50 Hz). To promote better abrasive flushing, the water inlet, located inside the base of the splash bowl, connects to the water outlet in the protective wheel guard.

Single or double 36-inch console models are available. All feature laminated phenolic working surfaces, and include 6-inch cup sinks with stainless water spouts. Flush mounting units are also available for custom installation.

### Dust Collector

The GR-20 has an efficient dust collecting system for dry grinding applications. Dust laden air is drawn through an expansion chamber where heavy particles drop out. The air is then pulled through three fiber-glass filters to remove any remaining particles.

## Specifications

### Electrical Power Requirements

GR-20	230 V~ ±10%, 60 Hz, 3 phase 460 V~ ±10%, 60 Hz, 10 amps, 3 phase
Dust Collector	115 V~ ±10%, 60 Hz, 4 amps, single phase 230 V~ ±10%, 50 Hz, 2 amps, single phase
Other Requirements	1/4-inch IPT water supply 1-inch IPT drain
Wheel Size	12-inch (30 cm)

### Motor

GR-20	3 HP (1750 RPM at 60 Hz, 1450 RPM at 50 Hz)
Dust Collector	1/2 HP (700 cfm)

### Height

Flush Mount	10-inch (25 cm)
Single Console	39.5-inch (100 cm)
Double Console	39.5-inch (100 cm)

### Width

Flush Mount	16-inch (41 cm)
Single Console	24-inch (61 cm)
Double Console	48-inch (122 cm)

### Depth

Flush Mount	16-inch (41 cm)
Single Console	24-inch (61 cm)
Double Console	24-inch (61 cm)

## Part Numbers

800-800	GR-20 Flush Mount (230/460 V)
808-215-115	Dust Collector (115 Volt, Single Unit)
808-216-115	Dust Collector (115 Volt, Dual Unit)
808-215-230	Dust Collector (230 Volt, Single Unit)
808-216-230	Dust Collector (230 Volt, Dual Unit)
810-000	GR-20 Single Console (230 V)
810-400	GR-20 Single Console (460 V)
810-200	GR-20 Double Console (230 V)
810-600	GR-20 Double Console (460 V)
810-245-PRM	SiC Abrasive Disc, 12-inch PSA, 60 grit (100/pkg)
810-247-PRM	SiC Abrasive Disc, 12-inch PSA, 120 grit (100/pkg)
810-249-PRM	SiC Abrasive Disc, 12-inch PSA, 180 grit (100/pkg)
810-251-PRM	SiC Abrasive Disc, 12-inch PSA, 240 grit (100/pkg)
810-253-PRM	SiC Abrasive Disc, 12-inch PSA, 320 grit (100/pkg)
810-255-PRM	SiC Abrasive Disc, 12-inch PSA, 400 grit (100/pkg)
810-257-PRM	SiC Abrasive Disc, 12-inch PSA, 600 grit (100/pkg)

V~ denotes VAC.

Specifications and part numbers may change.

Consult LECO for latest information.

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