



山盛凿岩钻头修磨设备

Button Bit Grinding Equipment



厦门山盛矿山设备有限公司
Xiamen Sansung Mining Equipment Co., Ltd

Button Bit Grinding Machine

Through years of experience and refinement, Sansung manufactures high performance hand-held button bit grinder, grinding cups, grinding wheels, grinding pins, and other accessories.

Sanroc Grind SA220 is a complete manual grinding system comprising a grinding machine, grinding cup and a specially designed quick chuck.

Features:

Sanroc Grind SA220 is driven by air and it's inner rotor can reach over 22,000RPM, which helps it can sharpen well the worn-down button bits in few seconds.

Sanroc Grind SA220 is handheld type grinder. It's light, with easy and simple operation. And it's driven by air, safe and reliable.

Sanroc Grind SA220 can use different types of grinding cup through change the special designed quick chuck. And we can replace the grinding cup quickly. It makes the grinding job efficiently.

Sanroc Grind SA220 does not need much maintenance work to do, only some O-rings and vanes are required.



Technical Specifications

| | |
|--------------------------|---------------------------|
| Model | Sanroc Grind SA220 |
| Max Spindle Speed | 22,000 RPM |
| Working Air Pressure | 0.5-0.7MPa (5-7bar) |
| Air Consumption | 1.8-2 m ³ /min |
| Hose diameter, air | 16mm |
| Water flushing pressure | 0.2-0.5 Mpa (2-5bar) |
| Hose diameter, water | 6mm |
| Sound Level | 80-90dB |
| Button Size for Grinding | Dia. 6-25mm |
| Vibration Level | <2.5 m/s ² |
| Net Weight | 3KG |

Button Bit Grinding Cups

Crown Profiles: the high wear-resisting grinding cups made by Sansung company are available in several profiles to correspond with the geometry of the new button: Hemispherical (Round), Parabolic (Semi Ballistic), and Ballistic. The standard sizes for the crown profiles range from 6MM to 25MM (depending on the waterway style).

| Crown profile sizes, Diameter | | | | |
|-------------------------------|------|------|------|------|
| 6mm | 10mm | 14mm | 18mm | 22mm |
| 7mm | 11mm | 15mm | 19mm | 23mm |
| 8mm | 12mm | 16mm | 20mm | 24mm |
| 9mm | 13mm | 17mm | 21mm | 25mm |

Shaft Styles: Drive arrangements are standardized to suit most common grinding machines:

| | | | | |
|--|---|--|---|--|
|  <p>Wing (shoulder) drive with small 'O' ring 8mm shank</p> |  <p>Sandvik San-drive Sancup super 9mm shank</p> |  <p>Plain or straight Shaft 8/9mm shank</p> |  <p>Atlas Copco Terroc 55-drive</p> |  <p>Hex Socket Connection Hex-drive</p> |
|--|---|--|---|--|

Waterways: Sansung offers 2 distinct waterway configurations:

| | |
|--|---|
|  <p>Single waterway</p> <ul style="list-style-type: none"> • Available in all shaft configurations • Available in all crown profiles • Crown Profile Sizes 6MM to 25MM |  <p>Three waterway</p> <ul style="list-style-type: none"> • Available in all shaft configurations • Available in round crown profiles • Crown Profile Sizes 12MM to 25MM |
|--|---|

Grinding cup for steel removal

| | |
|--|---------|
|  <ul style="list-style-type: none"> • Available in all shaft configurations • Crown Profile Sizes 7MM to 20MM | 7-8mm |
| | 9-10mm |
| | 11-12mm |
| | 13-14mm |
| | 16-18mm |
| | 19-20mm |

Diamond Grinding Wheel

| Grinding wheel | Size |
|---|------|
|  <p>Available in hemispherical & ballistic profile</p> | 10mm |
| | 11mm |
| | 12mm |
| | 13mm |
| | 14mm |
| | 16mm |
| | 18mm |
| | 19mm |
| | 20mm |

Water Recycling Bit Support Tank

- control operating air pressure
- cooling water recycling
- lubricate the compressed air
- air filter

| | |
|------------------------------------|-------------|
| Model | ST500 |
| Working air pressure of water pump | 0.2-0.5 MPa |
| Air consumption of water pump | 66L/Min |
| Tank volume | 50L |
| OD of inlet air hose to grinder | 16mm |
| OD of inlet water hose to grinder | 6mm |
| Tank holding diameter | 32-110mm |
| Tank size | 60*50*84cm |
| Net weight | 40KG |





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