



## Rocklabs Range of Heads

Rocklabs offers a wide range of Heads to be used on the Bench Top Ring Mill and Standard Ring Mill for pulverising materials finely.

The range of Heads are available in five different materials. They are Agate, Carbon Steel, Chrome Steel, Tungsten Carbide and Zirconia. The choice of Head type is determined by the size and type of sample to be pulverised. Therefore choosing the most suitable Head means maximising efficiency in sample processing.

### **Bench Top Ring Mill Heads:**

There are 6 Heads available for the Bench Top Ring Mill.

\*These Heads are also compatible for use in the Standard Ring Mill.

#### *Carbon 40 and 100*

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-40-BLP

- BOWL (CARB-40-B)
- LID (CARB-40-L)
- PUCK (CARB-40-P)

**Recommended Sample Weight**  
Minimum: 1g Maximum: 40g

Bowl Outer Diameter: 102mm

**CARBON 40**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-100-BLSPD

- BOWL (CARB-100-B)
- LID (CARB-100-L)
- SPLIT DISCUS SET (CARB-100-SPD)

**Recommended Sample Weight**  
Minimum: 20g Maximum: 100g

Bowl Outer Diameter: 110mm

**CARBON 100**

#### *Chrome 40 and 100*

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-40-BLP

- BOWL (CHRO-40-B)
- LID (CHRO-40-L)
- PUCK (CHRO-40-P)

**Recommended Sample Weight**  
Minimum: 1g Maximum: 40g

Bowl Outer Diameter: 102mm

**CHROME 40**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-100-BLSPD

- BOWL (CHRO-100-B)
- LID (CHRO-100-L)
- SPLIT DISCUS SET (CHRO-100-SPD)

**Recommended Sample Weight**  
Minimum: 20g Maximum: 100g

Bowl Outer Diameter: 110mm

**CHROME 100**

#### *Tungsten Carbide 40*

**ROCKLABS HEADS**



**Specifications**  
Complete Head - TC-40-BLP

- BOWL (TC-40-B)
- LID (TC-40-L)
- PUCK (TC-40-P)

**Recommended Sample Weight**  
Minimum: 1g Maximum: 40g

Bowl Outer Diameter: 102mm

**TUNGSTEN CARBIDE 40**

#### *Zirconia 40*

**ROCKLABS HEADS**



**Specifications**  
Complete Head - ZIRC-40-BLP

- BOWL (ZIRC-40-B)
- LID (ZIRC-40-L)
- PUCK (ZIRC-40-P)

**Recommended Sample Weight**  
Minimum: 1g Maximum: 40g

Bowl Outer Diameter: 102mm

**ZIRCONIA 40**



**Standard Ring Mill Heads:**

There are 24 Heads available for the Standard Ring Mill, including the 6 Heads for the Bench Top Ring Mill.

*Agate 50 and 200*

**ROCKLABS HEADS**



**Specifications**  
Complete Head - AGAT-50-BLP

- BOWL (AGAT-50-B)
- LID (AGAT-50-L)
- PUCK (AGAT-50-P)

**Recommended Sample Weight**  
Minimum: 10g Maximum: 50g  
Bowl Outer Diameter: 150mm

**AGATE 50**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - AGAT-200-BLRP

- BOWL (AGAT-200-B)
- LID (AGAT-200-L)
- RING AND PUCK SET (AGAT-200-RP)
- RING
- PUCK

**Recommended Sample Weight**  
Minimum: 40g Maximum: 200g  
Bowl Outer Diameter: 190mm

**AGATE 200**

*Carbon 40, 100, 200, 250, 350, 500, 600, 800, and 1000*

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-200-BLRP

- BOWL (CARB-200-B)
- LID (CARB-200-L)
- RING AND PUCK SET (CARB-200-RP)
- RING
- PUCK

**Recommended Sample Weight**  
Minimum: 5g Maximum: 200g  
Bowl Outer Diameter: 164mm

**CARBON 200**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-250-BLSPD

- BOWL (CARB-250-B)
- LID (CARB-250-L)
- SPLIT DISCUS SET (CARB-250-SPD)

**Recommended Sample Weight**  
Minimum: 20g Maximum: 250g  
Bowl Outer Diameter: 164mm

**CARBON 250**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-350-BLRRP

- BOWL (CARB-350-B)
- LID (CARB-350-L)
- RINGS AND PUCK SET (CARB-350-RRP)
- TWO RINGS
- PUCK

**Recommended Sample Weight**  
Minimum: 20g Maximum: 350g  
Bowl Outer Diameter: 218mm

**CARBON 350**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-500-BLRPPP

- BOWL (CARB-500-B)
- LID (CARB-500-L)
- RING & PUCKS SET (CARB-500-RPPP)
- RING
- THREE PUCKS

**Recommended Sample Weight**  
Minimum: 20g Maximum: 500g  
Bowl Outer Diameter: 218mm

**CARBON 500**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-600-BLSPD

- BOWL (CARB-600-B)
- LID (CARB-600-L)
- SPLIT DISCUS SET (CARB-600-SPD)

**Recommended Sample Weight**  
Minimum: 100g Maximum: 600g  
Bowl Outer Diameter: 218mm

**CARBON 600**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-800-BLD

- BOWL (CARB-800-B)
- LID (CARB-800-L)
- SINGLE DISCUS (CARB-800-D)

**Recommended Sample Weight**  
Minimum: 200g Maximum: 800g  
Bowl Outer Diameter: 254mm

**CARBON 800**



continue from the Carbon range ...

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CARB-1000-BLSPD

- BOWL (CARB-1000-B)
- LID (CARB-1000-L)
- SPLIT DISCUS SET (CARB-1000-SPD)

**Recommended Sample Weight**  
Minimum: 200g Maximum: 1000g

Bowl Outer Diameter: 254mm

**CARBON 1000**

Chrome 40, 100, 200, 250, 350, 500, 600, 800, and 1000

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-200-BLRP

- BOWL (CHRO-200-B)
- LID (CHRO-200-L)
- RING AND PUCK SET (CHRO-200-RP)
  - RING
  - PUCK

**Recommended Sample Weight**  
Minimum: 5g Maximum: 200g

Bowl Outer Diameter: 164mm

**CHROME 200**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-250-BLSPD

- BOWL (CHRO-250-B)
- LID (CHRO-250-L)
- SPLIT DISCUS SET (CHRO-250-SPD)

**Recommended Sample Weight**  
Minimum: 20g Maximum: 250g

Bowl Outer Diameter: 164mm

**CHROME 250**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-350-BLRRP

- BOWL (CHRO-350-B)
- LID (CHRO-350-L)
- RINGS AND PUCK SET (CHRO-350-RRP)
  - TWO RINGS
  - PUCK

**Recommended Sample Weight**  
Minimum: 20g Maximum: 350g

Bowl Outer Diameter: 218mm

**CHROME 350**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-500-BLRPPP

- BOWL (CHRO-500-B)
- LID (CHRO-500-L)
- RING & PUCKS SET (CHRO-500-RPPP)
  - RING
  - THREE PUCKS

**Recommended Sample Weight**  
Minimum: 20g Maximum: 500g

Bowl Outer Diameter: 218mm

**CHROME 500**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-600-BLSPD

- BOWL (CHRO-600-B)
- LID (CHRO-600-L)
- SPLIT DISCUS SET (CHRO-600-SPD)

**Recommended Sample Weight**  
Minimum: 100g Maximum: 600g

Bowl Outer Diameter: 218mm

**CHROME 600**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-800-BLD

- BOWL (CHRO-800-B)
- LID (CHRO-800-L)
- SINGLE DISCUS (CHRO-800-D)

**Recommended Sample Weight**  
Minimum: 200g Maximum: 800g

Bowl Outer Diameter: 254mm

**CHROME 800**



continue from the Chrome range ...

**ROCKLABS HEADS**



**Specifications**  
Complete Head - CHRO-1000-BLS  
- BOWL (CHRO-1000-B)  
- LID (CHRO-1000-L)  
- SPLIT DISCUS SET (CHRO-1000-SPD)

**Recommended Sample Weight**  
Minimum: 200g Maximum: 1000g  
Bowl Outer Diameter: 254mm

**CHROME 1000**

*Tungsten Carbide 40 and 200*

**ROCKLABS HEADS**



**Specifications**  
Complete Head - TC-40-BLP  
- BOWL (TC-40-B)  
- LID (TC-40-L)  
- PUCK (TC-40-P)

**Recommended Sample Weight**  
Minimum: 1g Maximum: 40g  
Bowl Outer Diameter: 102mm

**TUNGSTEN CARBIDE 40**

**ROCKLABS HEADS**



**Specifications**  
Complete Head - ZIRC-40-BLP  
- BOWL (ZIRC-40-B)  
- LID (ZIRC-40-L)  
- PUCK (ZIRC-40-P)

**Recommended Sample Weight**  
Minimum: 1g Maximum: 40g  
Bowl Outer Diameter: 102mm

**ZIRCONIA 40**

*Zirconia 40 and 200*

**ROCKLABS HEADS**



**Specifications**  
Complete Head - ZIRC-200-BLRP  
- BOWL (ZIRC-200-B)  
- LID (ZIRC-200-L)  
- RING AND PUCK (ZIRC-200-RP)

**Recommended Sample Weight**  
Minimum: 10g Maximum: 200g  
Bowl Outer Diameter: 157mm

**ZIRCONIA 200**

**Please contact ROCKLABS for more information and advice in choosing the most suitable Head for your Ring Mill needs.**

**Contact details:**

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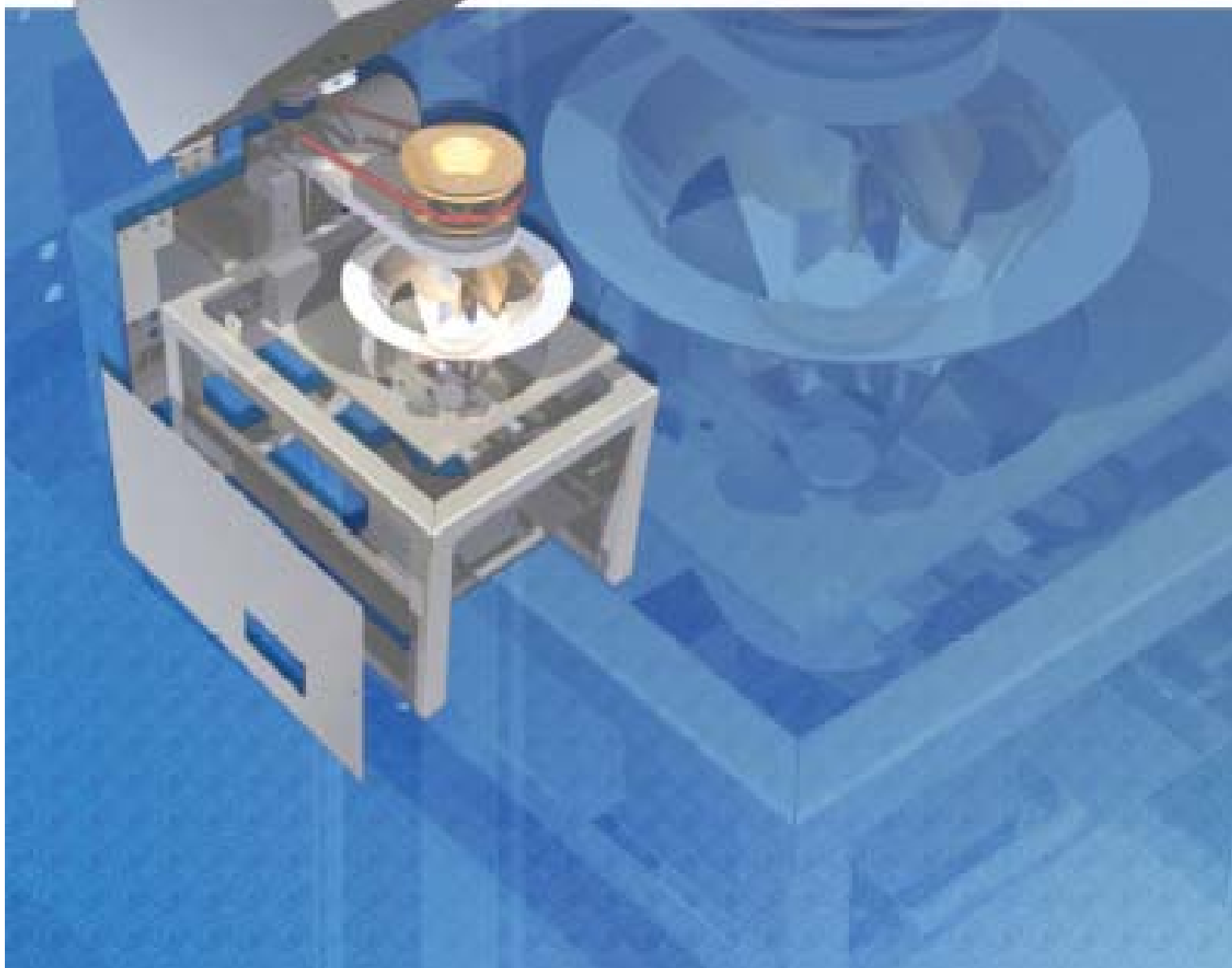
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## Composition of Materials

Composition of Materials used in wear parts as a guide to possible contamination levels in samples. All figures are presented in ppm, except where noted and are typical to maximum values.

<i>Element</i>	<b>Agate</b>	<b>Carbon Steel</b>	<b>Chrome Steel</b>	<b>Tungsten Carbide</b>	<b>Zirconia</b>
Ag		0.3			<0.2
Al	Trace	300	300	30	70
As			<100	<10	<1
Au		<0.2			0.04
B				<10	
Ba				<10	160
Br					1
C		0.48%	2%	5.50%	
Ca		40		50	150
Cl					<10
Co		30	200	10%	3
Cr		1200	12%	50	<10
Cs					<1
Cu		250	200	30	<10
Fe	Trace	98%	86%	100	70
Ga					1
Hf					1.30%
In					0.01
K	Trace			30	<20
La					7
Mg					2%
Mn	Trace	7000	3500	50	3
Mo		100	100	50	<10
N				100	40
Na	Trace		<500	30	
Nb		2	50	100	<10
Ni		200	800	50	
P		<100	140	30	
Pb		5	<100	30	<10
Rb					<10
Re					<0.05
S		<350	100	50	
Sb		10		10	3
Sc					1
Se					<10
Si		2500	4500	50	220
Sn		20	<100		
Sr		0.3			1000
Ta		0.4		30	<1
Th		0.4			4
Ti			<100	30	450
U		<1			0.6
V		<100	200	30	0.1
W		7	200	84.50%	<2
Zn		10	<100	30	<10
Zr		<1	<100	<10	70.30%
<b>Rare Earths</b>					
Ce					<10
Eu					0.5
Gd					<0.5
Lu					0.3
Nd					<1
Sm					<0.1
Tb					<0.3
Y		0.1			



**ROCKLABS**

WORLD LEADING FUMES & PREPARATION EQUIPMENT



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