CSS REGULATOR

THE REGULATING WHEEL FOR CENTRELESS GRINDING

A Company of the SWAROVSKI Group
www.tyrolit.com

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Through the use of centreless grinding in through-feed and plunge cut grinding, round components can be produced with particular precision and efficiency. Here, the regulating wheel controls the grinding process and therefore has a decisive influence on the quality of the produced components. The CSS REGULATOR from TYROLIT is manufactured as a unitised version. The extremely high compaction ensures uniform quality of the regulating wheel.

Application
Centreless through-feed grinding of automotive components

+ **Excellent profile retention:** The compact bonding and excellent bond retaining forces enable a long regulating wheel lifetime.

+ **Good coefficient of friction:** The special BR60/63 epoxy resin bond provides for reliable drive of the workpiece.

+ **Constant grinding pressure:** The elastic bond matrix compensates for unevenness in the workpiece and thus generates an even grinding pressure over the entire length of the grinding wheel.

Application recommendation

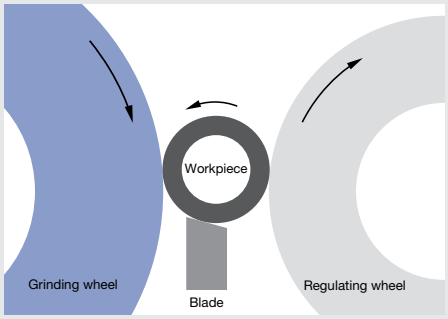
Application	Specification
Plunge cut grinding	CRA100-BR63
Through-feed grinding of small parts	CRA100-BR63
Through-feed grinding of large parts	CRA100-BR60

Finer grit sizes, 120, 150, 180 and 220 are available for special applications.

Regulating wheel for special cases

Application	Specification
Regulating/drive wheel for abrasive belts	A240-BE19F
Soft regulating wheel, also for non-metallic workpieces	A80-BE41
Ceramic regulating wheel for special applications	10A809Q2AV56

Schematic diagram - centreless grinding
The regulating wheel controls the peripheral speed, the grinding pressure and, in the case of through-feed grinding, the feed speed of the workpiece.



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