

**Diamond grinding discs**

Revision: June 4th, 2019

PRODUCT NAME	ITEM NO.	SUPPLEMENTARY DETAILS
<b>GALAXY diamond grinding discs</b>	95005505	Ø200 mm P80-100, grey
	95005521	Ø200 mm P100-120, red
	95005522	Ø200 mm P180-320, green
	95005523	Ø200 mm P400-600, blue
	95005524	Ø200 mm P800-1000, yellow
	95004279	Ø250 mm P80-100, grey
	95004310	Ø250 mm P100-120, red
	95004311	Ø250 mm P180-320, green
	95004312	Ø250 mm P400-600, blue
	95004313	Ø250 mm P800-1000, yellow
	95004280	Ø300 mm P80-100, grey
	95004314	Ø300 mm P100-120, red
	95004315	Ø300 mm P180-320, green
	95004316	Ø300 mm P400-600, blue
	95004317	Ø300 mm P800-1000, yellow
	95013917	Ø350 mm P80-100, grey
	95013918	Ø350 mm P100-120, red
	95013919	Ø350 mm P180-320, green
	95013920	Ø350 mm P400-600, blue
	95013921	Ø350 mm P800-1000, yellow

<b>Description</b>	Resin bonded abrasive on GALAXY metal plate for grinding of different materials. The color-coded grinding discs include diamond grain sizes of P80-100 (grey), P100-120 (red), P180-320 (green), P400 600 (blue) and P800-1000 (yellow).
<b>Material</b>	Abrasive: diamond; bond: resin; substrate: stainless steel plate (GALAXY-disc)
<b>Properties</b>	High abrasion rate, short grinding durations; extra plane grinding.
<b>Application</b>	Dress the Galaxy diamond grinding discs before first use and when required. For manual, semi- or full-automatic grinding of medium-hard to hard materials (steel with medium and high hardness, low and high-alloyed steel, cast iron, composites, hard metal and glass). For grinding water, cooling lubricant or another appropriate coolant must be used. Unmounted samples should not be smaller than 10mm x 10mm. Suitable for all conventional magnetic platen or the ATM adhesive carrier. To remove the disk easily, grab it on one of the three tabs at the edges of the disc. Never use sharp tools for cleaning. Use only water, cloths or a plastic brush.
<b>Health and Safety</b>	Machines must be equipped with water cooling. If necessary, wear eye protection and gloves during operation. Especially manual grinding of not embedded samples, edges of the sample can be very sharp. Protection class of the gloves depends on the shape and material of the specimen. During dry grinding flying sparks may occur. Wear respiratory protective equipment if ventilation is inadequate. Provide suction extractors if dust is formed.
<b>Environmental precautions</b>	Dispose of waste according to the local regulations. According to regulation of the European Commission (2000/532/EC) (EWC-SN12021) and the contents of the abrasive, the disposal of the waste has not been inserted in the list of hazardous waste, as long no hazardous substances were added to the abrasive from operator.