

Technical data sheet

4581 siaramic



Status:	Ok
Approval:	03.06.2021

Classification	Public series
Product type:	Coated abrasives
Main industries:	General Fabrication
Further industries:	Containers Machinery, equipment Casting and Forging Shipbuilding

Product profile	
Grit type:	Ceramic aluminium oxide
Grit range (total):	36; 60-80
Backing:	Fibre
Coating:	Electrostatic
Bonding:	Resin over resin
Special coating:	
Equipment:	

Properties		Technology
Removal rate:	10 - very high	- Moulded grit - X-LOCK
Lifetime:	10 - very long	
Finishing:	7 - good	
Flexibility:	1 - very rigid	
Contact pressure:	7 - strong	

Advantages	
General Fabrication:	<ul style="list-style-type: none">- High removal rate thanks to ceramic grit- Aggressive initial sanding thanks to optimised sanding grain- Fast and rugged stock removal with regular surface quality- Long lifetime- Uniform cutting performance- Increased efficiency due to measurable time-saving- Minimal effort required thanks to highly aggressive abrasive grit


Applications	
General Fabrication:	<ul style="list-style-type: none">- Welded seam preparation- Weld removal- Removal of scale and mill scale- Deburring- Blending flaws- Removing discolouration


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Material		
General Fabrication:	Stainless steel	○ Stainless steel (inox)
	Steel	● Unalloyed / low-alloy steel

Conversion forms	Upper conversion	Lower conversion
	Discs	- Fibre discs

Application	Superordinate group	Subgroup
	Portable machine sanding	Angle grinder
Cut:	Dry application	

Details	
No suitability for:	<ul style="list-style-type: none"> - Wet sanding - Stone grinding
Sanding recommendation:	- For aggressive grinding, select a hard sanding pad
Safety recommendation:	<p>Observe the current valid safety recommendations at: www.sia-abrasives.com > Expertise > Safety</p> <ul style="list-style-type: none"> - Pay attention to the abrasives safety data sheet (available from sia Abrasives) - Follow the general EN safety recommendations - Follow the general FEPA safety recommendations - Use eye and face protection - Use hearing protection - glove - Spectacles

Communication			
Claim:	The ceramic fibre disc for maximum performance on steel		
Copy:	The coarser grits of the 4581 siaramic series are developed for an extraordinarily high stock removal speed on unalloyed/low-alloyed steels. The long lifetime of the disc is an additional benefit of the shaped siaramic grain. Additionally, the ceramic fibre disc distinguishes through a consistent cut in finer grits on unalloyed/low-alloyed steels what results in a superb surface quality.		
Image material:	Product Top View (PTV)	Front side:	ID
		Rear side:	ID
	Application image	General Fabrication:	ID 12378
	Product show:		
	Macro shot:		
	Packaging image:		
	Product group image:		

- Main application
- Secondary application