

KEYING fibre disc brings you considerably cooler grinding with a long service life and a consistent cutting performance on stainless steel and mild steel. With new technology, an active cooling aid is applied directly to the top level, which enhances cooling and minimises discolouration.

Material group			Abrasive	
			Aluminium Oxide (AO)	Silicon Carbide (SC)
Steel cast steel	Non-hardened, non-heat-treated steels	Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel	●	○
	Hardened, heat-treated steels	Tool steels, tempering steels, alloyed steels, cast steel	○	●
Stainless steel (INOX)	Rust- and acid-resistant steels	Austenitic and ferritic stainless steels		○
non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Soft aluminium alloys	○	
		Brass, copper, zinc	●	○
	Hard non-ferrous metals	Hard aluminium alloys	●	○
		Bronze, titanium		○
High-temperature-resistant materials	Nickel-based and cobalt-based alloys		○	
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite EN-GJL (GG), with nodular graphite/nodular cast iron EN-GJS (GGG), white annealed cast iron EN-GJMW (GTW), black cast iron EN-GJMB (GTS)	●	○
Plastics, other materials		Fibre-reinforced plastics, thermoplastics, wood, chipboard, paintwork	●	
● = Highly suitable		○ = Suitable		

SPECILIZATION:



- ▶ **Aluminium Oxide (AO)**
Ideal for sanding low alloy steel, stainless steel(Inox), aluminium, zamak and wood materials, having standard vulcanized fibre backing and aggressive Aluminum Oxide abrasive grains.



- ▶ **Silicon Carbide (SC)**
Ideal for sanding non ferrous metals, glass, stone, granite, ceramic and wood materials, having standard vulcanized fibre backing and Silicon Carbide abrasive grains.

DETAILED DESCRIPTION:

- ▶ **Grit:** 16#, 24#, 36#, 40#, 50#, 60#, 80#, 100#, 120#
- ▶ **Raw Material:** Silicon Carbide, Aluminum Oxide
- ▶ **Size:** 4", 4.5", 5", 6", 7"
- ▶ **Inner Hole Style:** 4 slotted, 8 slotted, 6 slitted, Flat (See size table)





CHARACTERS:

- ▶ Improve unit time output, with self-sharpening, 3M precision molding abrasive technology to ensure sharp cutting efficiency wear uniform, shorten the delivery cycle; The use of less sand dishes, reduce the labor intensity of workers, reduce costs;
- ▶ Fibre Disc with steel paper as the matrix, using synthetic resin to consolidate the abrasive on the matrix and made of sheet grinding tool.

FIBRE DISCS

General information



Fibre Discs											
Dimension		16 Grit	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	2D Rendering
mm	inch										
100*16	4"	FS001	FS011	FS021	FS241	FS301	FS031	FS361	FS421	FS481	 4 slotted
115*22	4.5"	FS041	FS051	FS061	FS251	FS311	FS071	FS371	FS431	FS491	
125*22	5"	FS081	FS091	FS101	FS261	FS321	FS111	FS381	FS441	FS501	
150*22	6"	FS121	FS131	FS141	FS271	FS331	FS151	FS391	FS451	FS511	
180*22	7"	FS161	FS171	FS181	FS281	FS341	FS191	FS401	FS461	FS521	
100*16	4"	FS002	FS012	FS022	FS242	FS302	FS032	FS362	FS422	FS482	 8 slotted
115*22	4.5"	FS042	FS052	FS062	FS252	FS312	FS072	FS372	FS432	FS492	
125*22	5"	FS082	FS092	FS102	FS262	FS322	FS112	FS382	FS442	FS502	
150*22	6"	FS122	FS132	FS142	FS272	FS332	FS152	FS392	FS452	FS512	
180*22	7"	FS162	FS172	FS182	FS282	FS342	FS192	FS402	FS462	FS522	
100*16	4"	FS003	FS013	FS023	FS243	FS303	FS033	FS363	FS423	FS483	 6 slitted
115*22	4.5"	FS043	FS053	FS063	FS253	FS313	FS073	FS373	FS433	FS493	
125*22	5"	FS083	FS093	FS103	FS263	FS323	FS113	FS383	FS443	FS503	
150*22	6"	FS123	FS133	FS143	FS273	FS333	FS153	FS393	FS453	FS513	
180*22	7"	FS163	FS173	FS183	FS283	FS343	FS193	FS403	FS463	FS523	
100*16	4"	FS004	FS014	FS024	FS244	FS304	FS034	FS364	FS424	FS484	 Flat
115*22	4.5"	FS044	FS054	FS064	FS254	FS314	FS074	FS374	FS434	FS494	
125*22	5"	FS084	FS094	FS104	FS264	FS324	FS114	FS384	FS444	FS504	
150*22	6"	FS124	FS134	FS144	FS274	FS334	FS154	FS394	FS454	FS514	
180*22	7"	FS164	FS174	FS184	FS284	FS344	FS194	FS404	FS464	FS524	

Other dimensions custom please visit www.kytools.cn or send to beibei.liu@kytools.cn

FEATURES:

- ▶ Ideal for aniding non ferrous metals, glass, stone, granite, ceramic and wood materials.
- ▶ Having standard vulcanized fibre backing and Silicon Carbide abraive grains.

ADVANTAGES:

- ▶ Aggressive cut
- ▶ Active additives with a cooling effect greatly reduce discolouration
- ▶ Aggressive initial sanding thanks to optimised sanding grain
- ▶ Uniform cutting performance
- ▶ Increased efficiency due to measurable time-saving
- ▶ Minimal effort required thanks to highly aggressive abrasive grit

WORKING PRINCIPLE:

- ▶ Reducing wear and thermal load of the workpiece can be achieved by reducing contact pressure and speed. (abrasive paste/oil can be used when appropriate)
- ▶ In order to avoid unnecessary tool wear and thermal load, choose to switch to coarser-grit abrasive clothes instead of increasing contact pressure to increase cutting force.
- ▶ Increasing the cutting speed achieves a slightly finer surface.
- ▶ Increasing the contact pressure makes the surface slightly more coarse and if you use the same grit size on soft or hard material the surface finish will look coarse on the softer material.
- ▶ With high elasticity, good synchronous consumption, suitable for a variety of plane, curved surface and corner polishing.

