

Shenzhen SAMHO Metals Co.,Ltd (Headquarter)

No. 506, Bulong Road, Yangmei, Bantian, Longgang District, Shenzhen
Tel: 0755-84507348
Fax: 0755-84500459

SAMHO Metals (Huizhou) Co.,Ltd (Factory)

Renmin No.1 Road, Weibu Village, Qiuchang Town, Huiyang District,
Huizhou City

SAMHO Metals Co.,Ltd (Dongguan Branch)

Room 203, Building 158, No.19 Baida West Road, Humen Town,
Dongguan City

Tel: 0769-82885182

SAMHO Metals Co.,Ltd (Suzhou Branch)

Room 1010C, No.10 Building, C Block, Wanda Plaza, Renmin
Road, Suzhou City, Jiangsu Province
Tel: 0512-67572356
Fax: 0512-67575836

SAMHO Metals Co.,Ltd (Xiamen Branch)

Room 801, No.1 Office Building, Vanke Cloud City, Jimei District,
Xiamen City, Fujian Province
Tel: 0592-6289839

Please feel free to call us anytime (except on weekend) for any technical questions.

🌐 WWW.SAMHOTOOL.COM

☎ 0755-8450 7348

🕒 AM9:00~PM17:30

1004EM12-07.53KA



WWW.SAMHOTOOL.COM

Grinding Head

Emery grinding head _____

Emery grinding head: used for CNC milling machine, can mill threads through programming. Thread milling can be finished even for the hard brittle materials, such as tungsten steel and ceramics.



Company Profile

Shenzhen SAMHO Metals Co.,Ltd, with head office in the beautiful city Shenzhen, have been committed to the research and development, production and sales of tungsten steel cutting tools for more than ten years. We can also make processing plans for customers, solve problems in machining and provide training for cutting technology. With a group of experienced and skilled R&D engineers, we accumulated plenty of experience in cutting and milling various mold steels, graphite materials, aluminum alloys, copper, titanium alloys, plastic materials, especially in tungsten steels and ceramics.



Since the year 2015, we have set up business offices in HongKong, Suzhou, Xiamen and Dongguan, to expand our sales and service nationally. With our principles of Quality First, Professional Service, Customer Satisfaction and Continuous Improvement, we will always improve customer service, enhance product R&D and production efficiency, and provide higher quality product and better service, to achieve mutual development with customers.

Case Studies

★ Analysis Report: Material Tungsten Steel(HRA91.5)

Purpose: grinding head M8*1.25 life test
 Processing machine: Taiwan YCM (15000rpm)
 Cooling method: Air Blow
 Test time: 2021-3-2

Milling Parameters

Tool	Spindle Speed	Feed Rate	Step	Axial Depth	Radial Depth	Cycle Time
	(min-1)	(mm/min)		(ap) mm	(ae) mm	min
DIAGM8*1.25 (D6.15*24*D6*60) (M8*1.25 thread depth 8mm)	11000	150	--	--	0.01	48 minutes (6minutes/hole)

Summary: 1. High efficiency, 6 minutes per hole; 2. The processed thread has good fastening effect, and the tightness can be adjusted; 3. The grinding head is slight worn after test and can be continued for milling.

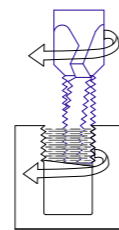
Workpiece (8 holes)



Grinding head after use:



Processing methods

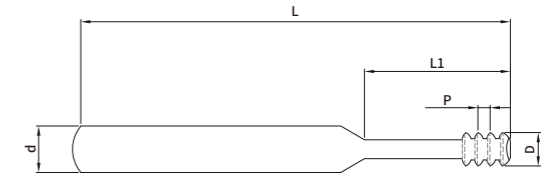


Emery thread grinding head 150#



Specialty

- *High efficiency, 5-10 minutes/hole;
- *The processed thread has good fastening effect, and the tightness can be adjusted;
- *High-speed steel bar material +150# imported emery, long life and low cost.



The shank taper angle shown is not an exact value and to avoid contact with the workpiece, we recommend the user controls the precise value of this angle. Shank taper angle should not make contact with the workpiece.

Emery thread grinding head 150#

Model Number	D Diameter of Drill	L1 Effective Length	d Shank Diameter	L Overall Length	Type	In Stock
DIAGM3*0.5	2.4	8	4	40	4 Teeth	○
DIAGM4*0.7	2.95	10	4	45	4 Teeth	○
DIAGM5*0.8	3.85	18	6	50	4 Teeth	○
DIAGM6*1.0	4.8	20	6	60	4 Teeth	○
DIAGM8*1.25	6.6	25	8	65	8 Teeth	○
DIAGM10*1.5	8.2	24	10	70	8 Teeth	○

○ Standard in stock

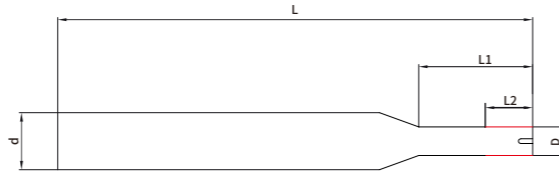
*Contact customer service to confirm and place an order

Emery Scrub Head 150#



Specialty

- *Adopt the most advanced electroplating process, high speed steel shank with high precision.
- *Especially suitable for rough machining for tungsten steel, ceramics, glass and other hard and brittle materials.



The shank taper angle shown is not an exact value and to avoid contact with the workpiece, we recommend the user controls the precise value of this angle. Shank taper angle should not make contact with the workpiece.

Emery Scrub Head 150#

Model Number	D1 Diameter of Drill	L2 Sand length	L1 Effective Length	d Shank Diameter	L Overall Length	Type	In Stock
GRID1-506-D4	1	5	6	4	50	Solid	○
GRID1.5-506-D4	1.5	5	6	4	50	Solid	○
GRID2-508-D4	2	5	8	4	50	Solid	○
GRID3-510-D6	3	10	/	6	50	Chip Flute	○
GRID4-100-D6	4	10	/	6	50	Chip Flute	○
GRID5-100-D6	5	10	20	6	75	Chip Flute	○
GRID6-100-D6	6	10	20	6	75	Chip Flute	○
GRID8-100-D8	8	10	25	8	75	Chip Flute	○
GRID10-100-D10	10	10	25	10	75	Chip Flute	○
GRID12-100-D12	12	10	25	12	75	Chip Flute	○

○ Standard in stock

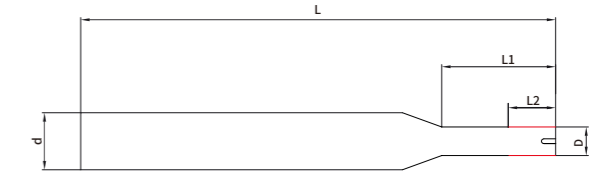
*Contact customer service to confirm and place an order

Sintered grinding head#



Specialty

- *The whole grinding head is made by sintering with emery, instead of electroplating!
- *The groove design for chip removal on the front and tungsten steel shank offer longer tool life!



The shank taper angle shown is not an exact value and to avoid contact with the workpiece, we recommend the user controls the precise value of this angle. Shank taper angle should not make contact with the workpiece.

Sintered grinding head

Model Number	D Diameter of Drill	L2 Sand length	L1 Effective Length	d Shank Diameter	L Overall Length	Type	In Stock
GRI0.3-020-4	0.3	0.6	2	4	50	400# sand tungsten steel shank	○
GRI0.5-030-4	0.5	0.8	3	4	50	300# sand tungsten steel shank	○
GRI0.6-030-4	0.6	1	3	4	50	300# sand tungsten steel shank	○
GRI0.8-040-4	0.8	1	4	4	50	250# sand tungsten steel shank	○
GRI1-040-6	1	1.5	4	6	50	150# sand tungsten steel shank	○
GRI1.5-040-6	1.5	2	4	6	50	150# sand tungsten steel shank	○
GRI2-060-6	2	2.5	6	6	50	150# sand tungsten steel shank	○
GRI3-100-6	3	3	10	6	50	150# sand tungsten steel shank	○
GRI4-120-6	4	4	12	6	50	150# sand tungsten steel shank	○
GRI5-165-6	5	6	16.5	6	50	100# Sand	○
GRI6-165-6	6	6	16.5	6	50	100# Sand	○
GRI8-165-8	8	6	16.5	8	50	100# Sand	○
GRI10-215-10	10	10	21.5	10	50	100# Sand	○
GRI12-100-12	12	10	/	12	50	100# Sand	○

○ Standard in stock

*Contact customer service to confirm and place an order