



/ 03

Flexible Abrasives

3.1

FLEXIBLE HONE

FH Flexible Hone

FLEXIBLE ABRASIVES / FLEXIBLE HONE



You can use it on all types of cylinders

The FH is a flexible abrasive tool ideal for lapping, deburring cylinders, hydraulic elements, aluminum injection parts, automotive, precision parts, etc.

Tool composed of small and independent unbreakable balls tied to the center by nylon strips.

It is self-centering and adjustable, so you can adapt it to any unevenness of the surface of the hole to work.

Reduces the values of RA, but keeping Rpk Rk and Vo and keeps Rvk and volume. Achieving a perfect polished.

You can attach it, in manual and automatic machine drills.

This tool is ideal for cylinders, connecting rods, crankshafts tooling...



Diameter of the cylinder to clean	Total length	Useful length	SC grit 120	SC grit 180
.157"	6"	5.9"		FH04SC18
.315"	8"	2.1/4"	FH08SC12	FH08SC18
.354"	8"	2.1/5"	FH09SC12	FH09SC18
.394"	8"	2.1/6"	FH10SC12	FH10SC18
1/2"	8"	2.1/7"	FH13SC12	FH13SC18
.552"	8"	2.1/8"	FH14SC12	FH14SC18
5/8"	8"	2.1/9"	FH16SC12	FH16SC18
.709"	8"	2.1/10"	FH18SC12	FH18SC18
.787"	8"	2.1/11"	FH20SC12	FH20SC18
7/8"	8"	2.1/12"	FH22SC12	FH22SC18
1"	8"	2.1/13"	FH26SC12	FH26SC18
1.1/8"	8"	2.1/15"	FH29SC12	FH29SC18
1.1/4"	8"	2.1/16"	FH32SC12	FH32SC18
1.3/8"	8"	2.1/17"	FH35SC12	FH35SC18
1.1/2"	8"	2.1/18"	FH38SC12	FH38SC18
1.5/8"	8"	2.1/19"	FH41SC12	FH41SC18
1.3/4"	8"	2.1/20"	FH45SC12	FH45SC18
1.7/8"	8"	2.1/21"	FH48SC12	FH48SC18
2"	8"	2.1/22"	FH51SC12	FH51SC18

FH Flexible Hone

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order example:
FH20SC12
1.Model: **FH**
2.Article code: **20SC12**
3.Grit: **120**
2.Workpiece diameter: **20mm**

Specifications:

- Tool composed of silicon carbide balls impregnated with different grits.
- Can be used in dry surfaces or with oils having viscosity SAE 10 to 30 (it is recommended to lubricate).
- Do not use solvents during use or for cleaning the cylinders.
- For the choice of suitable diameter, this will be the inside diameter of the cylinder polish or the next higher.
- The recommended speed is between 500 and 1200 rpm. Not to be used in high-speed engines.
- Progress will be between 3 to 4.5 m / sec.
- The oscillations for correct work will be 20 to 45 seconds per cylinder. (5-15 passes).
- It is important that the tool gets into the hole and to be always in rotation
- After work, and in order to remove any residue, use soapy water and a brush Nylon spiral (LNY) of the same diameter.
- We have a wide range of dimensions, and abrasive grits outside the permanent stock table.

Applications:

- Air Compressors.
- Air Hydraulic Cylinders.
- Pneumatic Cylinders.
- Boiler componets
- Pneumatic Tools.
- Brake Cylinder
- Brake Rotors
- Cylinders and Engine Blocks
- Guns and Weapons
- Musical Instruments



3.2

ABRASIVE NYLON

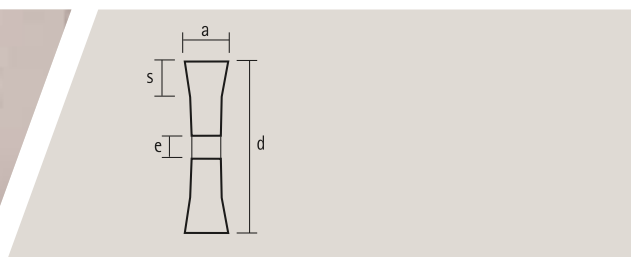
DNA Wheel Abrasive Nylon

FLEXIBLE ABRASIVES / ABRASIVE NYLON



Diameter	Face Width	Trim Length	Arbor Hole	GRITS			R.P.M. MAX
				120 - Coarse	180 - Medium	320 - Fine	
4"	5/16"	11/16"	1/2", 5/8", 3/4", 7/8", 1-3/16"	21371	21370	21372	12,000
4"	5/8"	11/16"	1/2", 5/8", 3/4", 7/8", 1-3/16"	21771	21770	21772	12,000
6"	1/2"	1-1/16"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	23371	23370	23372	6,500
6"	1-1/18"	1-1/16"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	23771	23770	23772	6,500
7"	5/8"	1-5/8"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	24371	24370	24372	6,500
7"	1-1/8"	1-5/8"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	24771	24770	24772	6,500
8"	5/8"	1-5/8"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	25371	25370	25372	6,000
8"	1-1/8"	1-5/8"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	25771	25770	25772	6,000
10"	5/8"	1-3/4"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	27371	27370	27372	5,000
10"	1-1/8"	1-3/4"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	27771	27770	27772	5,000
12"	5/8"	2"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	29371	29370	29372	4,500
12"	1-1/8"	2"	1/2", 5/8", 3/4", 7/8", 1", 1-3/16", 2"	29771	29770	29772	4,500

DNA wheels are equipped with a multi fitting arbor hole bushing system fitting multiple arbor sizes.



TNA Cup Abrasive Nylon

FLEXIBLE ABRASIVES / ABRASIVE NYLON



Diameter	Trim Length	Arbor Hole	Grit			R.P.M. Max.
			120 Coarse	180 Medium	320 Fine	
4-1/2"	1-3/8"	5/8"-11	68052	68072	68082	8,500
6"	1-3/16"	5/8"-11	69052	69072	69082	6,000

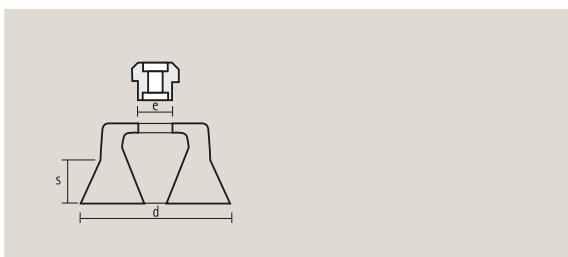
Technical Information:

- Filaments impregnated with Silicon Carbide abrasive grains allow the brush to maintain a high cut rate while producing a consistent finish throughout the life of the brush.
- Filaments flex to all angles, and permits them to deburr and finish highly contoured parts.
- Nylon brushes are ideal when it is important that surface measures are not affected by the brushing process. Suitable for wet and dry applications.

- Although coolants and lubrication may allow the use of higher speeds than initially recommended, these R.P.M. must never be exceeded.
- Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8-11 attachments; the other is valid for M10 x 1,5 and M10 x 1,25 systems. The new design is also extended to single threads. It allows an easier attachment and increases resistance resulting in more safety for the user.

Applications:

- Deburring of turbine blades and removing carbon encrustation from engines.
- Cleaning of dies, steel and cast iron pieces.
- Deburring of cylindrical parts, steering gear cases and control pistons in the automotive industry.
- Deburring of edges on aluminium extrusions, fabricated metals, powdered metals...



CON Disc Abrasive Nylon

FLEXIBLE ABRASIVES / ABRASIVE NYLON



Diameter	Trim Length	Arbor Hole	Black Color 80 Grit	Red Color 120 Grit	Yellow Color 180 Grit	Blue Color 320 Grit	R.P.M. MAX
4"	1"	5/8"-11	CON 1010	CON 1011	CON 1012	CON 1013	3,000
5"	1"	5/8"-11	CON 1210	CON 1211	CON 1212	CON 1213	3,000
6"	1"	5/8"-11	CON 1410	CON 1411	CON 1412	CON 1413	3,000
10"	1"	2"	CON 2510	CON 2511	CON 2512	CON 2513	3,000



LNA Tubebrush Abrasive Nylon

FLEXIBLE ABRASIVES / ABRASIVE NYLON



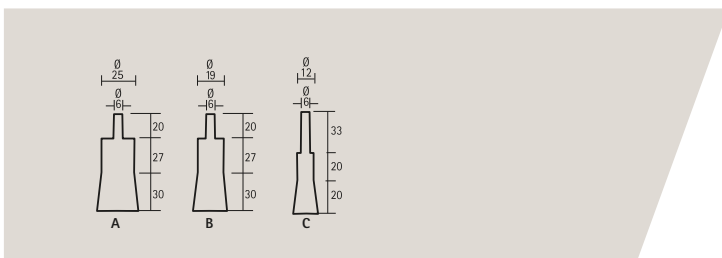
Diameter	Arbor Hole	GRITS		
		120 - Coarse	180 - Medium	320 - Fine
3/4"	W 1/4"-NPT 1/8"	98060	98070	98080
1"	W 1/4"-NPT 1/4"	98160	98170	98180
1-1/2"	W 1/4"-NPT 1/4"	98370	98370	98380
2"	W 1/4"-NPT 1/4"	98570	98570	98580

BNA End Brush Abrasive Nylon

FLEXIBLE ABRASIVES / ABRASIVE NYLON



Diameter	Trim Length	GRITS			R.P.M. MAX
		120 - Coarse	180 - Medium	320 - Fine	
1/2"	3/4"	11201	11202	11203	20,000
3/4"	1-3/16"	11901	11902	11903	20,000
1"	1-3/16"	12501	12502	12503	20,000



CNA DIY Line Abrasive Nylon

FLEXIBLE ABRASIVES / ABRASIVE NYLON



Type	Diameter	Filament Color	Grit	Bulk	Package	R.P.M. MAX	PCS Per Box
Wheel	3"	Red	80	96660	96661	4,500	12
Wheel	3"	Blue	150	96670	96671	4,500	12
Wheel	4"	Red	80	96760	96761	4,500	12
Wheel	4"	Blue	150	96770	96771	4,500	12
Cup	2"	Red	80	97460	97461	4,500	12
Cup	2"	Blue	150	97470	97471	4,500	12
Cup	3"	Red	80	97660	97661	4,500	12
Cup	3"	Blue	150	97670	97671	4,500	12
End Brush	1"	Red	80	94160	94161	4,500	12
End Brush	1"	Blue	150	94170	94171	4,500	12
Flap	4"	Red	80	97760	97761	4,500	12
Flap	4"	Blue	150	97770	97771	4,500	12



Technical Information

- Brushes made of nylon filaments impregnated with Aluminium Oxide abrasive particles.
- High flexibility without danger of breaking, providing long working life and increased safety.
- Suitable for dry applications only.
- To be used in power drills.
- Red color nylon brushes (grit 80) produce a coarse finishing; the blue colour ones (grit 150) provide a fine polishing.

Applications

- Nylon brushes do not scratch and therefore they are appropriate for cleaning and polishing of:
- Any kind of wood (fine or rustic).
- Metallic surfaces such as automobile bodies.
- Tile, stone and concrete.
- Plastic materials.
- Stainless Steel and Aluminium.

Operating Recommended Speed

- Optimum performance is obtained at the recommended working speed 2.500 R.P.M.
- Speeds above the recommended ones may smear the workpiece due to heat build-up.