775 Texture Handpiece

WITH SPECIAL M3NCD CHUCK

The Model 775-M3NCD Texture Handpiece is a compressed air powered handpiece that can be used for hammering and texturing metal and other materials.

The 775-M3NCD handpiece is more powerful than reciprocating handpieces and will last much longer. the handpiece stays cool even in continuous operation.

AIR REQUIREMENTS

The 775-M3NCD handpiece uses compressed air up to 80 psi (5.4 bar). Air volume required is 0.8 cfm (22 liters / minute). To fully control the power of the handpiece properly and protect it from damage, an air filter/regulator is recommended. Any good filter/regulator will work; a 5 micron filter is suggested. (part number 004-762 is a complete filter/regulator unit that works well with this handpiece.)

To get maximum power requires 80 psi (5.4 bar). However, the 775-M3NCD will do some work with as little as 30 psi (2.1 bar). 50 psi (3.4 bar) will provide enough power for most work. The hammer / impact power is proportional to the air pressure provided… higher air pressure gives faster and harder impacts. It is important to choose the right spring and piston for each job.

FOOT CONTROL

Although not required, a foot control helps many operations. A simple on/off air foot valve may be used. Part number 004-771 is a special foot control that controls the power more effectively than an on/off valve.

SET-UP & OPERATION

1. Select the piston and spring by using the information provided in the Pistons & Springs section that follows. Unscrew the hose connector from the rear of the handpiece. First, install the spring into the handpiece. Second, install the piston making sure the small end goes in first. Lubricate the handpiece with a light squirt of the dry lubricant provided with the 775-M3NCD handpiece. Screw the hose connector back into the handpiece and tighten by hand. Do NOT over tighten the hose connector.

2. Attach the handpiece to a source of compressed air. Make sure the air can be turned on/off with a foot valve, hand valve, ball valve, etc.

3. Adjust the air pressure to fit the application. The 775-M3NCD handpiece is ready to use.

4. Lubricate the handpiece every 4 to 8 hours of operation using a dry lubricant. to lubricate, unscrew the hose connector, squirt a small amount of dry lube on top of the piston and replace the hose connector.

PISTONS & SPRINGS

Two pistons and two springs come with the 775-M3NCD handpiece. This gives a wide range of power. Remember… air pressure also affects handpiece power.

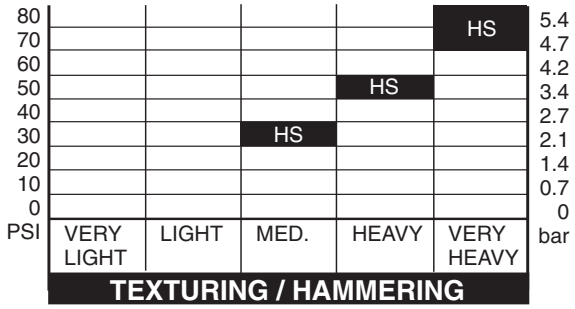
NOTE: *Most hammering and texturing applications will use the HEAVY (longer) SPRING with either the light piston or heavy piston. The fine spring is limited to fine work at lower air pressure only. The information below will help select the piston and spring for different applications.*

PISTON / SPRING / AIR PRESSURE CHARTS

▶ HEAVY PISTON #004-391

HS HEAVY SPRING - 1.71" (43mm) long

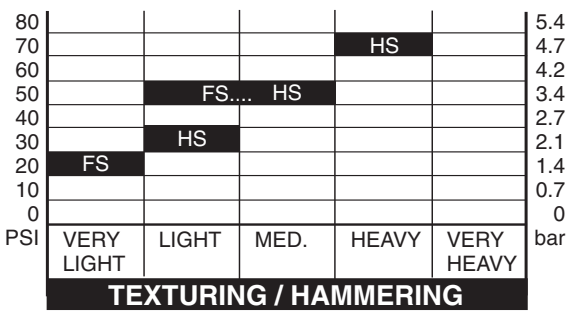
NOT RECOMMENDED TO USE FINE SRPING WITH HEAVY PISTON



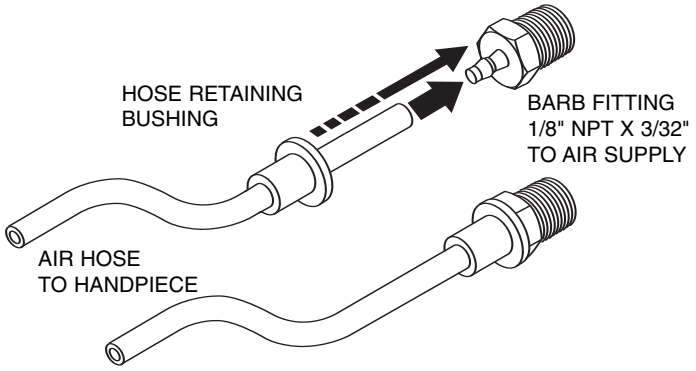
▶ LIGHT PISTON #004-351

HS HEAVY SPRING - 1.71" (43mm) long

FS FINE SPRING - 1.45" (37mm) long



ATTACHING AIR SUPPLY



1. Install the barb fitting (#022-209) into the air connection source (regulator)
2. Slide the Hose Retaining Bushing onto the handpiece hose then attach the hose to the barb fitting. Slide the Hose Retaining Bushing up the hose until it is snug against the Barb fitting.

Handpiece Parts List

Item	Part No.	Description
	004-775-M3NCD	Texturing Handpiece (complete assembly)
1.	004-389	Receiver
2.	022-071	Spiral Pin
3.	002-801	Washer
4.	002-903	O-Ring, .416" ID X .059" wide
5.	004-392	Compression Spring
6.	004-390-M3NCD	Chuck, 3mm
7.	004-355	Handpiece Body
8.	004-370	Spring (FINE)
9.	004-365	Spring (HEAVY)
10.	004-351	Piston (LIGHT)
11.	004-391	Piston (HEAVY)
12.	002-759	O-Ring 1/2" X 5/8" X 1/16"
13.	004-393	Knob
14.	004-356	Muffler Element
15.	004-366	Hose Retainer
16.	004-367	Hose Connector
17.	050-026	Handpiece Tubing (6 ft/183cm required)
**	022-100	Dry Lubricant (for handpiece)
18.	004-368	Foam Grip
**	022-209	1/8" NPT X 3/32" Barb Fitting
**	022-210	Hose Retaining Bushing
OPTIONS		
**	004-771	Foot Control (complete assembly)
**	004-762	Filter / Regulator (complete assembly)

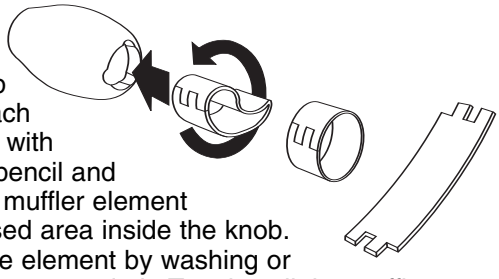
MAINTENANCE

Handpiece Cleaning

The 775-M3NCD handpiece requires very little maintenance. Keeping the internal piston and bore clean is important. If these internal parts get too dirty, the handpiece can work erratically especially at the start.

To clean, unscrew the handpiece hose connector and remove the piston and spring. If the inside bore appears dirty, also remove the tool receiver assembly. Next, unscrew the large handpiece knob and remove it from the end of the handpiece body.

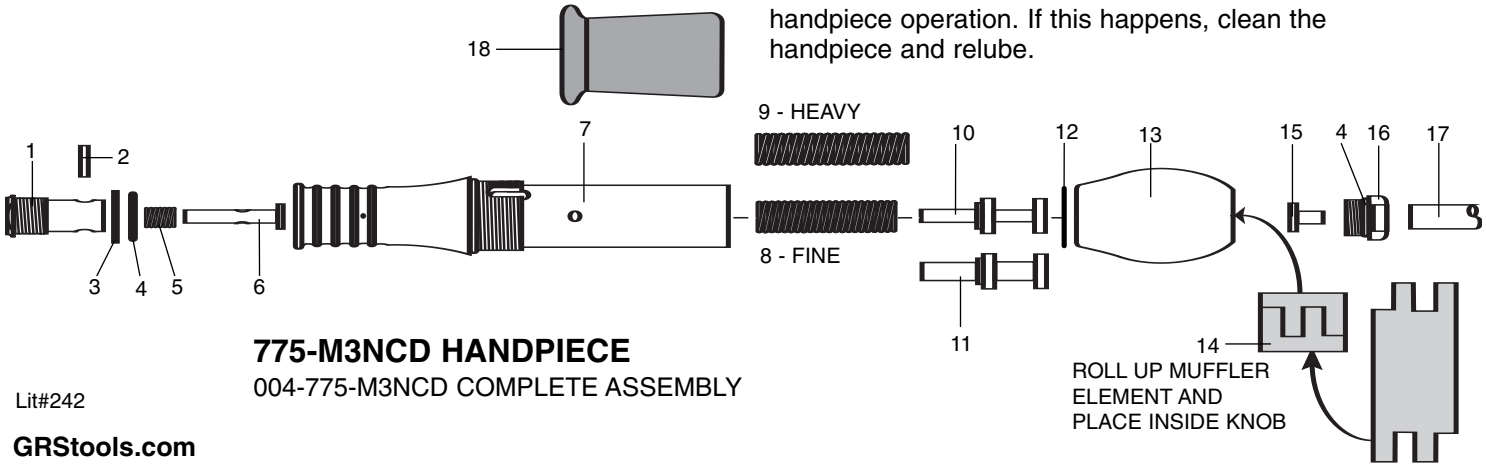
Clean the disassembled handpiece body, piston, and spring with a non-greasy solvent (that evaporates entirely without a residue). Soap and hot water may also be used if the parts are rinsed thoroughly and dried completely after washing.



While the handpiece knob is removed, reach inside the knob with a small tool or pencil and remove the felt muffler element from the recessed area inside the knob. If dirty, clean the element by washing or blowing with compressed air. To reinstall the muffler element, fold it carefully making sure the notched fingers interlock. Carefully insert the folded element back inside the knob. Using a small tool or pencil, open the muffler element and work it back neatly into the recessed area inside the knob.

Handpiece Lubrication

The 775-M3NCD handpiece should be lubricated about every 8 hours and always after cleaning. Use the dry powder lubricant provided with the handpiece or other similar dry lubricant (available at hardware stores). To lubricate, remove the hose connector and piston. Squirt a small amount of dry lube inside the handpiece bore. Reinstall the piston (small end first) and squirt a small amount of dry lubricant on top of the piston. Replace the hose connector and test the handpiece. For a short time after lubricating, the handpiece may stroke differently until the lubricant becomes evenly distributed. If another dry lubricant is used, the handpiece may also work differently, especially at the beginning of a cut. Don't over-lubricate! Too much lube can cause erratic handpiece operation. If this happens, clean the handpiece and relube.



775-M3NCD HANDPIECE
004-775-M3NCD COMPLETE ASSEMBLY