

# TEXAS PNEUMATIC TOOLS, INC.

Service, Operation AND Parts Manual

## TX182 NEEDLE / CHISEL SCALERS



TOOL SPECIFICATIONS

PART #	WEIGHT	SHIPPING WT. BOX OF 6	LENGTH	CFM CONSUMED	BORE	STROKE	BPM	INLET	MINIMUM HOSE SIZE
TX182-CS	4.6 lbs. 2.1 kg	29.7 lbs. 13.5 kg	10.5" w/ chisel 27 cm 15.5" w/ chisel 39 cm	13 CFM 368 L/min	15/16" 24 mm	1-1/16" 27 mm	4000	1/4" NPT	3/8" 10 mm
TX182-NS	6.31 lbs. 2.9 kg	39.8 lbs. 18.1 kg	17" w/ 5" needles 43 cm	13 CFM 368 L/min	15/16" 24 mm	1-1/16" 27 mm	4000	1/4" NPT	3/8" 10 mm
STANDARD EQUIPMENT:		With Needle Scaler:	1 set 5" Needles (19)						
		With Chisel Scaler:	1 - 7" Flat Chisel						
DESCRIPTIVE SUFFIXES:		NS = Needle Scaler	CS = Chisel Scaler						
NOTE: These parts are not Ingersoll-Rand ("IR") parts. Texas Pneumatic Tools, Inc. manufactures these quality replacement parts for the TX182 scalers using the IR part number for ease of reference.									

~ Made in U.S.A. ~

[www.airtools.com](http://www.airtools.com)

Email: [tptinfo@airtools.com](mailto:tptinfo@airtools.com)

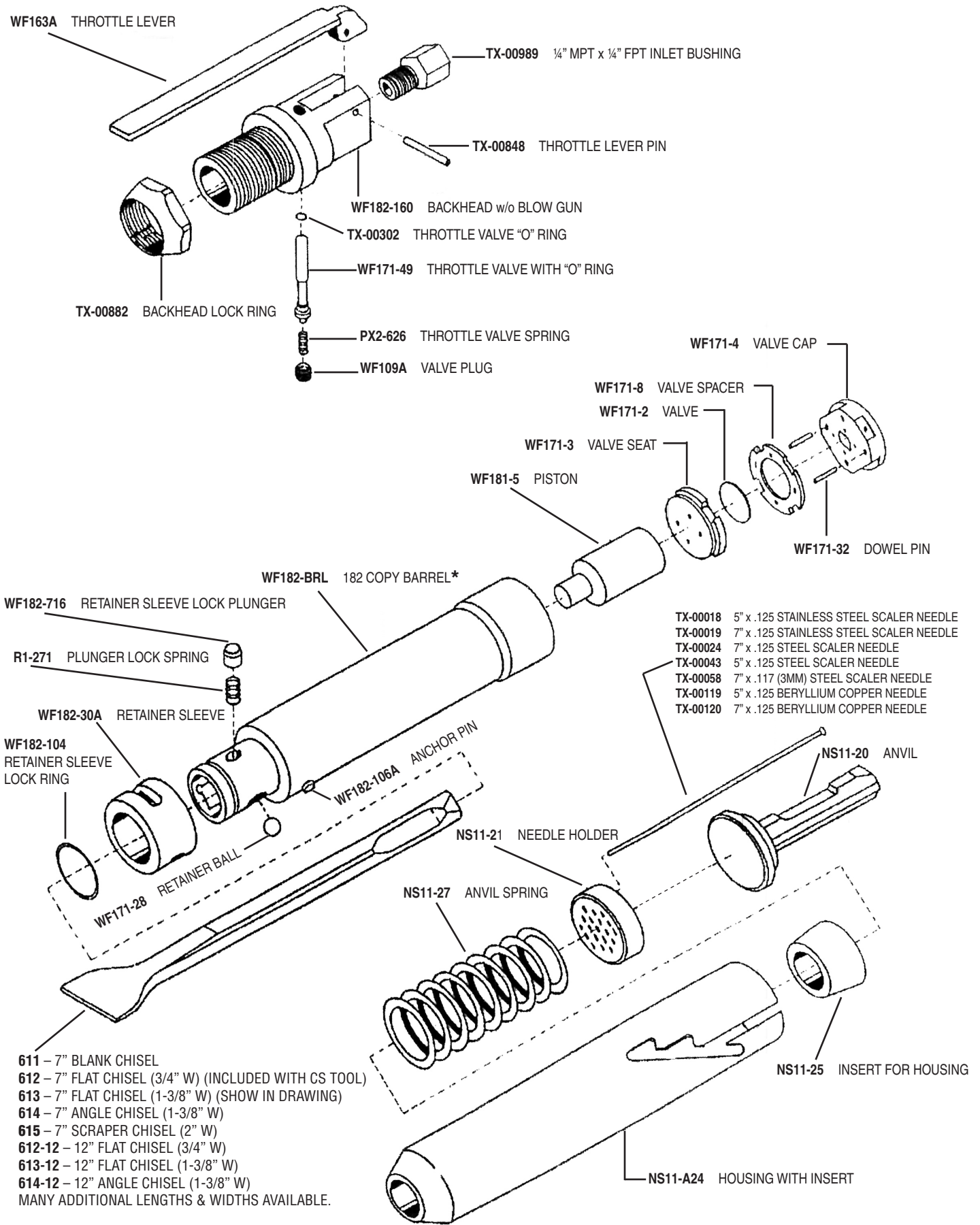
TEXAS  
1-800-231-9740  
254-587-2533 (Int'l calls)

NEVADA  
1-800-858-1222

VIRGINIA  
1-800-626-1091

MICHIGAN  
1-877-575-5733

# TX182 NEEDLE / CHISEL SCALERS



\*NS WF182-LINER Cylinder sleeve (inside barrel)

# Service and Operations

## AIR SUPPLY

For efficient performance, a regulated supply of clean, dry air is required (90 psi at the tool). Most air tools will give superior service if the air is moisture free and lubricated, plus down time will be minimized. If the compressor is pumping excessive water, a cooler or moisture separator should be attached to the compressor or air line. A filter, pressure regulator and Texas Pneumatic in-line lubricator (TX-0L) should be part of the air line system to the tool. The air supply line should be a minimum 3/8" I.D. hose with no restrictive couplings or fittings in the hose line. If quick disconnect air couplings are used, they should definitely be separated from the tool by the use of a hose whip (TX-1HW).

## LUBRICATION

An in-line lubricator such as the Texas Pneumatic TX-0L is recommended. If an automatic lubricator is not used, it is recommended before using and after 2-3 hours use, to pour several drops of oil into the air inlet port. Texas Pneumatic lubricating oil (TX-PL001) or 5 wt. oil of good grade is recommended. A heavy oil will cause loss of power and efficiency. In the matter of preventative maintenance, Texas Pneumatic tool flush (TX-TF001) or similar solvent can be used to flush the tool. Add a couple of teaspoons to the air inlet port and operate the tool for a few seconds. It may be necessary to do this several times. The above should be done anytime the scaler becomes sluggish or erratic or stops working. Flushing of the tool will most likely remove any foreign particles. After flushing and always before storage (this is most important if the air line has excessive moisture), the tool should be re-lubricated to prevent rust which will cause the tool to malfunction.

## PREPARING FOR OPERATION

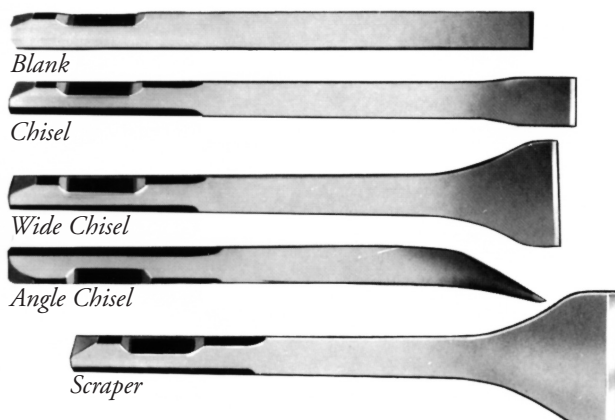
The TX182 is convertible and can be used either as a chisel or as a needle scaler depending on the application. To remove the chisel, simply press down on the retainer sleeve lock plunger (WF182-716), twist the retainer sleeve (WF182-30A) and pull out the chisel. To place the chisel in the tool, do the reverse. Make sure the slot in the chisel lines up with the steel ball (WF171-28) in the tool nose. The same applies to the needle driver (NS11-20). Always operate the scaler with a chisel or needle driver in the tool and held firmly against the work surface. Damage to the barrel (WF182-BRL) and cylinder sleeve (WF182-LINER) may occur if the tool is not held against the work surface. The backhead (WF182-160) should be checked occasionally to make sure it is tight. On lever throttle scalers, Loctite is used on the throttle valve plug (WF109A) when assembled at the factory. This should not be in need of attention until the plug is removed for inspection or repair. The use of Loctite is strongly recommended when replacing the plug to prevent it from vibrating loose. The "O" ring (TX-00302) on the throttle valve (WF171-49) should be replaced whenever the tool is inspected. Also, check the throttle valve spring (PX2-626) and the flutter valve (WF171-2) to see if they appear worn.

To disassemble the tool, remove chisel or needle driver as previously described. Clamp the chisel into a vise and slide the scaler over it. Unscrew the backhead lock ring (TX-00882) until it is loose; then unscrew backhead (WF182-160) and remove. Valve parts (WF171-4, WF171-8, WF171-3, WF171-2 & WF171-32) and the piston (WF181-5) will fall out when the tool is turned upside down. To remove the cylinder sleeve (WF182-LINER), it is necessary to press it from the front of the barrel out through the rear of the barrel. Re-assembly is in reverse order.

**\*\*\*VERY IMPORTANT\*\*\***

When installing the cylinder sleeve in the tool, the chamfer on the bottom of the cylinder sleeve must line up with the exhaust holes in the bottom of the barrel.

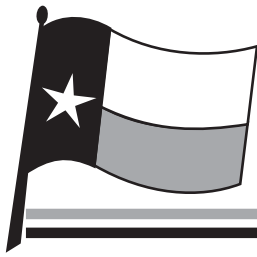
Approved safety glasses must be worn at all times when operating this or any other percussion tool. A maximum 90 psi compressed air pressure is recommended for operating this tool.



**"WF" Notched Shank - 1/2" Quarter Octagon Stock for Ingersoll Rand (171 & 181 Series), Uryo-Jet and Stanley Weld Flux Scalers.**

Ordering Information			
	7"OAL	12"OAL	18"OAL
Blank	611	611-12	611-18
Chisel - 3/4" Blade	612	612-12	612-18
Wide Chisel - 1 3/8" Blade	613	613-12	613-18
Angle Chisel - 1 3/8" Blade	614	614-12	614-18
Scraper - 2" Blade	615	615-12	615-18

**OTHER LENGTHS UP TO 144" ARE AVAILABLE**



# TEXAS PNEUMATIC TOOLS, INC.

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*To Our Customers...*

*We wish to thank all of our customers for your support and patronage - from those of you who placed orders the first week we were in business to those of you who opened new accounts last week.*

*This company is founded on the following principles:*

- 1. Quality Tools & Parts*
- 2. Value Pricing*
- 3. Fastest Response Time*

*By following these key principles, we strive to serve every customer as efficiently as possible, in the hope that you will know, without doubt, how much we appreciate your business.*

***THANKS AGAIN FROM ALL OF US AT TEXAS PNEUMATIC!***