

# BARREL & SCREW REPAIR

Suburban Plastics Company is pleased to announce their screw and barrel repair service to all processors of plastic materials. We guarantee our workmanship to be of the highest standards. We can also supply your requirements for new screws and barrels; prices quoted upon request based on your drawings. The following price list covers the rebuilding of your existing barrels and screws.

Barrel re-sleeving is quoted based upon inside diameter, length of sleeve and type of liner to be used. We offer the following liner materials for resleeved and new barrels.

BARREL LINING MATERIAL	HARDNESS RANGE
<b>NITRIDE: (Gas or Ion)</b>	
4140 or equivalent	55-56
Nitralloy 136 M or equivalent	62
<b>CAST BIMETALLICS</b>	
Standard lining	58-56
Corrosion resistant lining	55-62
Premium lining	58-64
<b>TOOL STEELS:</b>	
D-2	58-60
A-11 (CPM10V, Micro Melt 10)	62-64

We offer new screws made of the following materials:

<b>BASE SCREW MATERIALS</b>			
MATERIAL DESIGNATION	FLIGHTS HARDSURFACING	TREATMENT	HRC
<b>ALLOY STEELS</b>			
4140HT	STELLITE #6	CHROME-PLATE	45
	STELLITE #12	CHROME-PLATE	48
	COLMONOY #56	CHROME-PLATE	56
	N/A	FLAME-HARDEN	48-55
NITRALLOY 135M	COLMONOY #56	NITRIDE	62
<b>TOOL STEELS</b>			
CPM9-V	N/A	HEAT-TREATING NITRIDING	52-54 60-62
D-2	N/A	HEAT-TREATING NITRIDING	58-60 62-64
CPM 10-V (Vanadis 10)	N/A	HEAT-TREATING NITRIDING	58-60 OVER 66
CPM 420-V (Elmax)	N/A	HEAT-TREATING NITRIDING	56-58 62-64
<b>STAINLESS STEEL</b>			
17-4PH	N/A	N/A	41-43

<u>Size</u>	<u>Screws w/Stellite</u>
1 Inch and under	call for pricing
1 1/4 Inch (30mm)	\$ 810
1 3/8 Inch (35mm)	\$ 880
1 1/2 Inch (40mm)	\$ 935
1 5/8 Inch	\$ 975
1 3/4 Inch	\$1,030
2 Inch (50mm)	\$1,103
2 1/4 Inch (60mm)	\$1,235
2 1/2 Inch (65mm)	\$1,348
2 3/4 Inch (70mm)	\$1,485
3 Inch (80mm)	\$1,675
3 1/4 Inch	\$1,822
3 1/2 Inch (90mm)	\$1,990
3 3/4 Inch	\$2,152
4 Inch	\$2,403

*Includes rebuilding of flight lands with Stellite #12, straightening and grinding O.D. to size, and polishing root. All prices are figured on a 20:1 LD ratio. Replacing threads, flights, and minor diameter damage will be an extra charge.*

## HEAT TREATING AND PLATING

To ensure surface integrity throughout the operational life of the feed screw, we offer the following:

- Flame-harden
- Nitride
- Armoloy
- Chrome plate
- Thermal spray coatings

We hope you will allow us the opportunity to become your primary source for all your barrel, screw and shutoff assemblies.

**Suburban Plastics Company Barrel and Screw**

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