

**1.000" I.D. to 5.563" O.D. (25.4 to 141.3 mm)**

**Reliable Performance**

The model MSX delivers high torque in a compact design for mid-sized, heavier wall and/or hard alloy materials up to 5.563" (141.3 mm) O. D. The patented H & S gear design produces ideal cutting speed over the full range of the tool while the precision heavy duty bearings provide smooth, reliable performance for more accurate machining. The rugged construction enables the MSX to withstand the abusive conditions of on-site work and deliver maximum production shift after shift.



- Weighs Just 21.0 lbs. (9.5 kg)
- Pneumatic Or Electric Power
- Torque-Free Operation
- Compact Design
- Crank Feed
- Rental Or Purchase



**Specifications\***

Working	
Range .....	1.000" (25.4 mm) I.D. to 5.563" (141.3 mm) O. D.
Pneumatic Motor .....	1.625 H.P. (1.2 kW)
Recommended Air Pressure .....	90 PSI (6.1 Bar)
Recommended Volume .....	38 CFM (1.1 m <sup>3</sup> /min.)
Speed .....	50 RPM
Electric Motor .....	1.5 H.P. (1.1 kW), 120/230 V, 10.0A
Speed (2 speed) .....	98 or 176 RPM
Minimum Working	
Clearance .....	5.500" (139.7 mm) X 15.000" (381.0 mm)
Weight, Pneumatic .....	21.0 lbs. (9.5 kg)
Length, Pneumatic.....	18.000" (457.2 mm)
Weight, Electric.....	20.0 lbs. (9.1 kg)
Length, Electric.....	18.000" (457.2 mm)

\* Specifications are subject to change without notice.



## Collet Sets

### I.D. Range

Size	Inches	MM	Rod/ Shaft
1.000	1.000 - 1.125	25.4 - 28.6	7°
1.125	1.125 - 1.250	28.6 - 31.8	7°
1.250	1.250 - 1.375	31.8 - 34.9	10°
1.375	1.375 - 1.500	34.9 - 38.1	10°
1.500	1.500 - 1.625	38.1 - 41.3	10°
1.625	1.625 - 1.750	41.3 - 44.5	10°
1.750	1.750 - 1.875	44.5 - 47.6	10°
1.875	1.875 - 2.000	47.6 - 50.8	10°
2.000	2.000 - 2.125	50.8 - 53.9	10°
2.125	2.125 - 2.250	53.9 - 57.2	10°
2.250	2.250 - 2.375	57.2 - 60.3	10°
2.375	2.375 - 2.500	60.3 - 63.5	10°
2.500	2.500 - 2.625	63.5 - 66.7	10°
2.625	2.625 - 2.750	66.7 - 69.9	10°
2.750	2.750 - 2.875	69.9 - 73.0	10°
2.875	2.875 - 3.000	73.0 - 76.2	10°
3.000	3.000 - 3.125	76.2 - 79.4	10°
3.125	3.125 - 3.250	79.4 - 82.6	10°
3.250	3.250 - 3.375	82.6 - 85.7	10°
3.375	3.375 - 3.500	85.7 - 88.9	10°
3.500	3.500 - 3.625	88.9 - 92.1	10°
3.625	3.625 - 3.750	92.1 - 95.3	10°
3.750	3.750 - 3.875	95.3 - 98.4	10°
3.875	3.875 - 4.000	98.4 - 101.6	10°
4.000	4.000 - 4.125	101.6 - 104.8	10°
4.125	4.125 - 4.250	104.8 - 108.0	10°
4.250	4.250 - 4.375	108.0 - 111.1	10°
4.375	4.375 - 4.500	111.1 - 114.3	10°
4.500	4.500 - 4.625	114.3 - 117.5	10°
4.625	4.625 - 4.750	117.5 - 120.7	10°
4.750	4.750 - 4.875	120.7 - 123.8	10°
4.875	4.875 - 5.000	123.8 - 127.0	10°
5.000	5.000 - 5.125	127.0 - 130.2	10°
5.125	5.125 - 5.250	130.2 - 133.4	10°
5.250	5.250 - 5.375	133.4 - 136.5	10°

## Internal locking

There are two internal locking systems for torque-free operation, enhancing operator safety and productivity.



## Wedge Sets

### I.D. Range

Wedge Sets	Inches	MM	Rod/ Shaft Cone
1.000	1.000 - 1.250	25.4 - 31.8	.875
1.250	1.250 - 1.625	31.8 - 41.3	1.250
1.625	1.625 - 2.000	41.3 - 50.8	1.250
2.000	2.000 - 2.375	50.8 - 60.3	1.250
2.375	2.375 - 2.750	60.3 - 69.9	1.250
2.750	2.750 - 3.125	69.9 - 79.4	1.250
3.125	3.125 - 3.500	79.4 - 88.9	1.250
3.500	3.500 - 3.875	88.9 - 98.4	1.250
3.875	3.875 - 4.250	98.4 - 108.0	1.250
4.250	4.250 - 4.625	108.0 - 117.5	1.250
4.625	4.625 - 5.000	117.5 - 127.0	1.250
5.000	5.000 - 5.375	127.0 - 136.5	1.250

## Tooling

The tooling illustrated covers the standard machining applications. Custom tooling is also available. Tooling is made from high quality tool steel, carbide and titanium nitride coated materials.

Tool holders are available in fixed and sliding designs. Each tool holder will accept multiple cutters allowing you to perform up to three operations at the same time. 4.000" (101.6 mm) sliding and fixed tool holders are available for work in tight clearance applications. 5.500" (139.7 mm) sliding and fixed tool holders are available for larger diameter, thin wall pipe work.

### Sliding Tool Holder



### Fixed Tool Holder



### 37.5°, 30.0° O.D. Bevel



### Fixed Tool Holder



2.000" (50.8 mm) I.D. to  
5.000" (127.0 mm) O. D.

C



2.750" (69.9 mm) I.D. to  
5.563" (141.3 mm) O. D.

D

### Sliding Tool Holder



1.000" (25.4 mm) I.D. to  
5.563" (141.3 mm) O. D.

S-37.500

### 90° Facing/Shortening



### Fixed Tool Holder



2.000" (50.8 mm) I.D. to  
5.000" (127.0 mm) O. D.

FR



2.750" (69.6 mm) I.D. to  
5.563" (141.3 mm) O. D.

FL

### Sliding Tool Holder



1.000" (25.4 mm) I.D. to  
5.563" (141.3 mm) O. D.

S-F

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