

SCALING

Needle Scaler

JET CHISEL

Powerful scaling with multi-needles

- Quickly and efficiently removes weld slag, rust, paint and scale from most surfaces
- Ideal for cleaning and descaling steel, bridgework, castings, brick, stone and many other materials
- Heavy-duty construction for industrial and maritime applications
- Proven superior design features with no internal spring components ensure trouble-free performance (JEX-2800A and JEX-20 have balancing springs)

Model **JC-16**

• Lightweight model



Model **JEX-24**

• Universal model



Model **JEX-28**

• Heavy-duty model



Model **JEX-2800A**

• Reduced vibration model



Specifications

| Model | JC-16 | JEX-24 | JEX-28 | JEX-2800A |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air Pressure | MPa (kgf/cm ²) | 0.6 (6) | | |
| Air Consumption (No-load) | m ³ /min | 0.15 | 0.27 | 0.35 |
| Strokes per Minute | min ⁻¹ | 4000 | 4000 | 4500 |
| Inlet Size | Rc 3/8 | | | |
| Mass (Weight) | kg | 1.4 | 2.7 | 3.5 |
| Accessories Included | <ul style="list-style-type: none"> • 29 pieces of 2 mm x 150 mm Needles (Installed) • 29 pieces of 2 mm x 150 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 | <ul style="list-style-type: none"> • 23 pieces of 3 mm x 180 mm Needles (Installed) • 6 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 | <ul style="list-style-type: none"> • 28 pieces of 3 mm x 180 mm Needles (Installed) • 14 pieces of 4 mm x 180 mm Needles • Needle supporter 4 mm • 6 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 | <ul style="list-style-type: none"> • 28 pieces of 3 mm x 180 mm Needles (Installed) • 14 pieces of 4 mm x 180 mm Needles • Needle supporter 4 mm • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 |

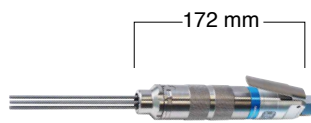
Model **AJC-16**

• Slim model



Model **JT-16**

• Small and lightweight model



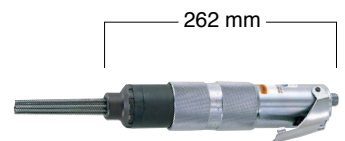
Model **JT-20**

• Medium duty model



Model **JEX-20**

• Reduced vibration model



Specifications

| Model | AJC-16 | JT-16 | JT-20 | JEX-20 |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air Pressure | MPa (kgf/cm ²) | 0.6 (6) | | |
| Air Consumption (No-load) | m ³ /min | 0.07 | 0.16 | 0.2 |
| Strokes per Minute | min ⁻¹ | 6000 | 6000 | 4000 |
| Inlet Size | Rc 3/8 | | | |
| Mass (Weight) | kg | 0.98 | 0.8 | 2.4 |
| Accessories Included | <ul style="list-style-type: none"> • 3 pieces of 3 mm x 180 mm Needles (Installed) • 3 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 | <ul style="list-style-type: none"> • 6 pieces of 3 mm x 180 mm Needles (Installed) • 6 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 | <ul style="list-style-type: none"> • 12 pieces of 3 mm x 180 mm Needles (Installed) • 12 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 | <ul style="list-style-type: none"> • 12 pieces of 3 mm x 180 mm Needles (Installed) • 12 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 |

SCALING

Electric Needle Scaler

JET CHISEL

Model **EJC-32A** 



Powerful 300 watt double insulated motor

- Extended length, slim barrel design
- Adjustable front handle for operator comfort and convenience

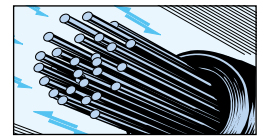
Specifications

| Model | EJC-32A | |
|-----------------------------|--------------------------|--------------------------|
| Power Source (Single Phase) | 110 - 120 V AC, 50/60 Hz | 220 - 240 V AC, 50/60 Hz |
| Rated Power Consumption | W 300 | |
| Rated Current | A 2.8 | 1.4 |
| Duty Cycle | min 30 | |
| Strokes per Minute | min ⁻¹ 3000 | |
| Power Cord Length | m 5 | |
| Mass (Weight) | kg 4.5 | |



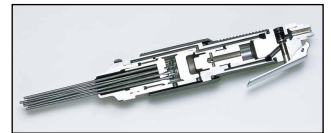
Shot Peening Effect

Reinforcement of a welded part with the shot peening effect increases strength by imparting residual stress to the surface of the workpiece through the high speed impact of the needles. Highly suitable for effective reinforcement of deteriorated welded parts.



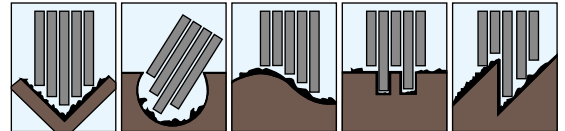
Full Automatic System - Excludes EJC-32A

The only unit of its kind on the market without springs. This means no springs to break...no irregular power... and the advantage of low air consumption.



Self-Adjusting Needles

Jet Chisel needles automatically adjust to any surface contour. They get deep into corners, reach into uneven surfaces, and conform to all types of shapes, making it a tool no shop should be without.



| Combination of Needle and Needle Supporter | | | Model | | | | | | | | |
|--------------------------------------------|----------------------------|--|---------|---------|---------|-----------|---------|---------|---------|---------|---------|
| | | | JC-16 | JEX-24 | JEX-28 | JEX-2800A | AJC-16 | JT-16 | JT-20 | JEX-20 | EJC-32A |
| 2 mm | Number of Needles Required | | 29 pcs. | 53 pcs. | 66 pcs. | 66 pcs. | 7 pcs. | 15 pcs. | 29 pcs. | 29 pcs. | 32 pcs. |
| | Needle Supporter PN | | TP00290 | TP02244 | TP01499 | TP01499 | TQ05210 | TQ15316 | TP00338 | TP00338 | TP16475 |
| 3 mm | Number of Needles Required | | - | 23 pcs. | 28 pcs. | 28 pcs. | 3 pcs. | 6 pcs. | 12 pcs. | 12 pcs. | 15 pcs. |
| | Needle Supporter PN | | - | TP02245 | TP01461 | TP01461 | TQ04554 | TQ15315 | TP00337 | TP00337 | TP16301 |
| 4 mm | Number of Needles Required | | - | - | 14 pcs. | 14 pcs. | - | - | - | - | - |
| | Needle Supporter PN | | - | - | TP01462 | TP01462 | - | - | - | - | - |

| Material | Needle | | PN | Sales Unit | Model | | | | | | | | |
|-----------------|----------|---------|-------------|--------------|-------|--------|--------|-----------|--------|-------|-------|--------|---------|
| | Diameter | Length | | | JC-16 | JEX-24 | JEX-28 | JEX-2800A | AJC-16 | JT-16 | JT-20 | JEX-20 | EJC-32A |
| Steel | 2 mm | 150 mm | TA98780 | 100 pcs./set | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | 180 mm | TA98781 | 100 pcs./set | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | 300 mm | TA9A213 | 50 pcs./set | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | 500 mm | TA9A214 | 50 pcs./set | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | 3 mm | 180 mm | TA98782 | 100 pcs./set | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | 300 mm | TA9A216 | 50 pcs./set | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | 500 mm | TA9A217 | 50 pcs./set | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | 800 mm | TA9A218 | 50 pcs./set | | ● | ● | ● | ● | ● | ● | ● | ● |
| | 4 mm | 180 mm | TA98783 | 50 pcs./set | | | ● | ● | | | | | |
| 300 mm | | TA9A220 | 50 pcs./set | | | ● | ● | | | | | | |
| 500 mm | | TA9A221 | 50 pcs./set | | | ● | ● | | | | | | |
| Stainless Steel | 2 mm | 180 mm | TB10878 | 30 pcs./set | ● | ● | ● | ● | ● | ● | ● | ● | |
| | 3 mm | 180 mm | TB10877 | 30 pcs./set | | ● | ● | ● | ● | ● | ● | ● | |



Optional Needles

Premium Nitto Kohki needles out-perform competitors' needles ensuring optimal performance and trouble-free operation.