

Rotor Unit & Fixtures

RTU-032 Rotor Unit

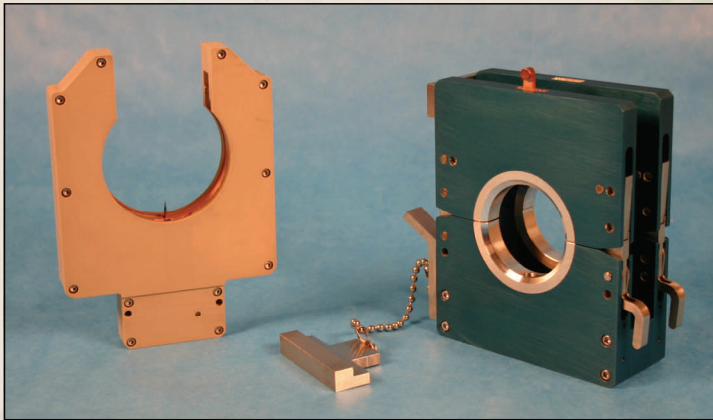


11	2	RTU64-011	PD IDLER GEAR
10	3	RTU64-010	1 INCH PD IDLER GEAR
9	1	RTU64-009	LIMIT CLAMP
8	2	RTU64-008	POWER CLAMP CONNECTOR
13	1	RTU64-013	POWER CLAMP CONNECTOR
12	1	RTU64-012	.937 INCH PD IDLER GEAR
7	2	RTU64-003	BODY POWER SIDE
6	1	RTU64-004	LIMIT SWITCH ROCKER ARM
5	1	RTU64-001	BODY DRIVE SIDE
4	1	RTU64-002	ROTOR MOUNT
3	1	RTU64-005	BRUSH MOUNT
2	2	RTU64-006	BRUSH MOUNT
1	1	RTU64-007	BRUSH MOUNT



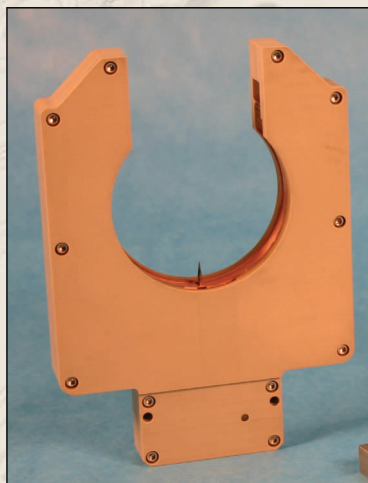
RTU-032

Rotor Unit for 1/2' - 2" Diameter



RTU-032 Rotor Unit and Fixture

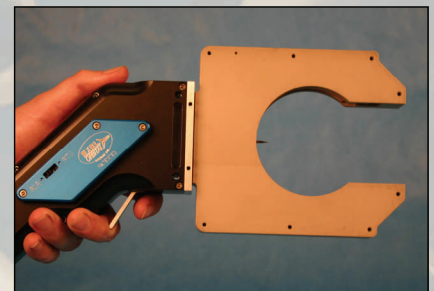
The **RTU-032 Rotor Unit** is designed to be compatible with the **RDR-05 Rotor Driver**. Developed to be extremely versatile and have a high duty cycle the RTU-032 is capable of performing welding jobs in some cases, in 50% of the time of other equipment. One of the narrowest fixtures available, the RTU-032 allows easy access to even the tightest weld configurations.



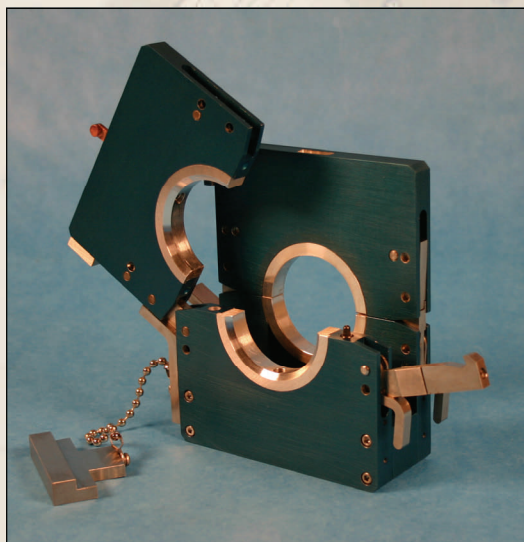
RTU-032

Rotor Unit RTU-032

- Ultra high temperature PEE housing
- Low friction track and groove alignment of Rotor
- Large electrode clamping surface.
- High temperature high duty cycle.
- Internal purging manifold.
- No electrode setting
- Quick connections to the RDR-05 Rotor Driver
- High reliability



RTU-032-2000 in Rotor Driver



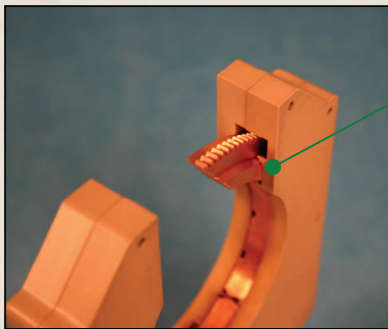
EF32-T00

Fixture EF32-T00

- Unique Fixture Stabilizing Lock** ensures the weld joint is securely closed.
- High tensile 6061T6 Aluminum construction.
- Tethered Center Gauge.
- High temperature, high duty cycle.
- Changeable Tube Inserts of 303 Stainless Steel for 1/2", 3/4", 1", 1-1/2" and 2" Diameter, metric sizes available.
- Adjustable fixture clamp accommodates variations in tube diameter and provides high load to secure weld joint.
- Fixture backstop to maintain fixture center of gravity.

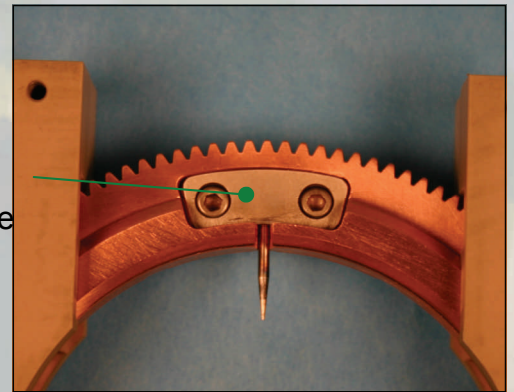
** Patents Pending

RTU-032 Technical Information



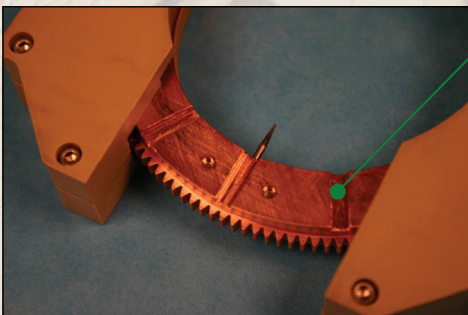
Track and Groove

The low friction Track and Groove alignment of the Rotor give precise and stable control of the



Large Electrode Clamping Surface

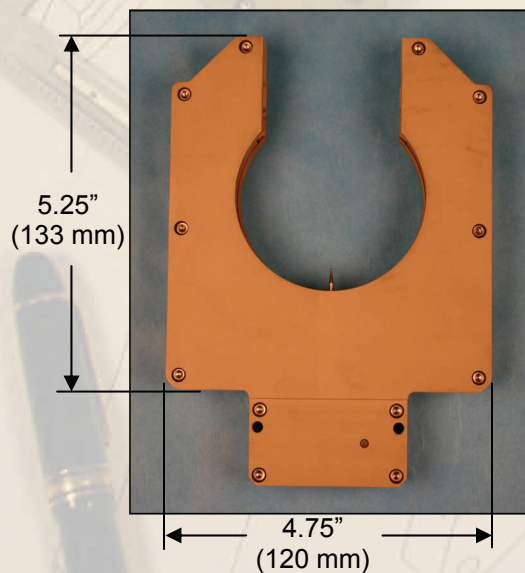
The electrode is held with a large clamping surface which ensures optimum electrical conductivity. Large cap screws secure the clamp for maximum service life. There is no setting of the electrode required. When an electrode of prescribed length is used, simply slide it into the clamp and the arc gap is established.



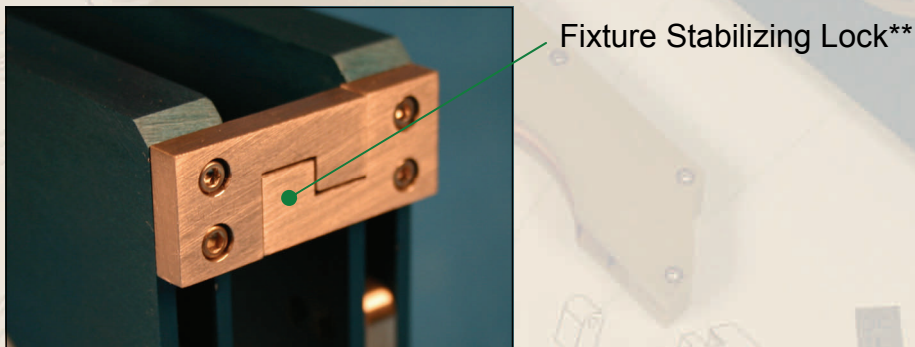
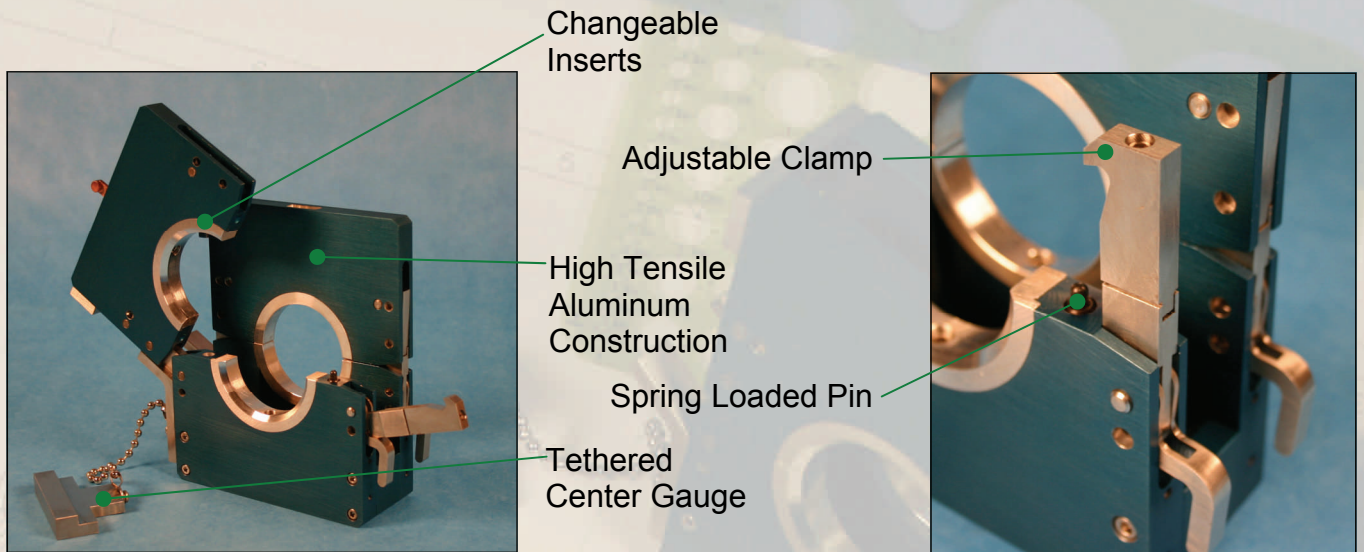
Internal Purge Manifold

The internal purge manifold is cut into the rotor to allow delivery of Argon directly to the weld site.

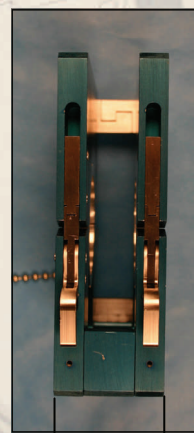
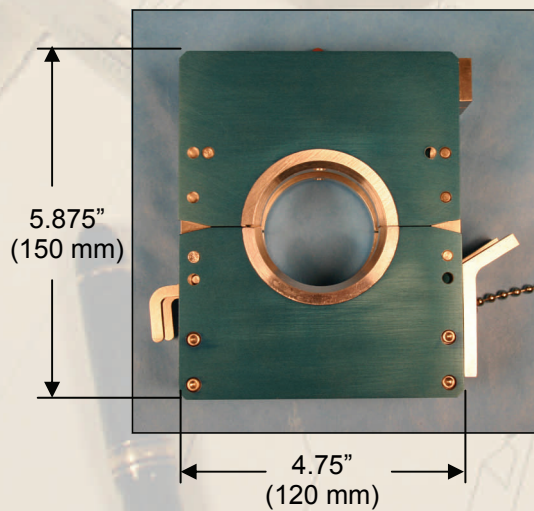
DIMENSIONAL INFORMATION



EF32-T00 Technical Information



DIMENSIONAL INFORMATION



*** Note: Because the tube inserts have a 45° relief cut on the back face, the effective clamping width of the fixture is 1.500" (38mm) or .75" (18mm) from center of the fixture.

1.87" (47 mm)
***1.50" (38mm)

** Patents Pending

Page 18

RTU-032 Ordering Information

PART NUMBER	DESCRIPTION
RTU-032	Rotor Unit, 1/2" (12.7 mm) thru 2" (50.8 mm) capacity
EF32-T00	Tube Fixture Assembly
EI32-08	Tube Insert for 1/2"
EI32-12	Tube Insert for 3/4"
EI32-16	Tube Insert for 1"
EI32-24	Tube Insert for 1-1/4"
EI32-32	Tube Insert for 2"
EI32-P08	Tube Insert for 1/2" Pipe
EI32-P12	Tube Insert for 3/4" Pipe
EI32-P16	Tube Insert for 1" Pipe
EI32-P20	Tube Insert for 1-1/4" Pipe
EI32-P24	Tube Insert for 1-1/2" Pipe

Note: Metric and custom sizes available.

Electrode Ordering Information

EL32-X-YY

Electrode for RTU-032

T - Tube
P - Pipe

The last 2 digits represent the diameter of the component being welded. See table below.

	DIAMETER
08	1/2"
12	3/4"
16	1"
20	1-1/4"
24	1-1/2"
32	2"

Note: Standard arc gap for tube is .050" and .070 for pipe.