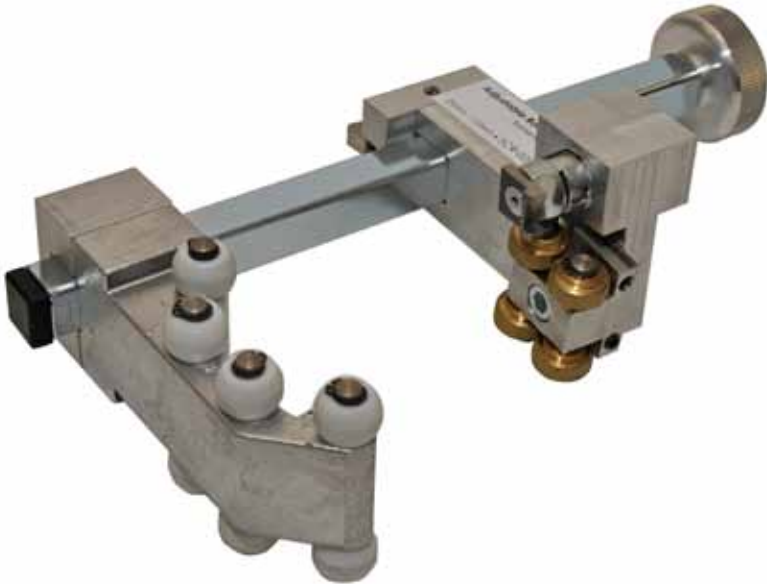


Adjustable Rotary Scraper Tool

25 mm - 110 mm / 1" - 4"

90 mm - 225 mm / 3" - 9"



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Scope and Technical Data

The Adjustable Rotary Scraper tool is meant to be used exclusively for the removal of the oxidized layer on polyethylene pipes in preparation for the electrofusion process.

The scraper tool can be used for pipe end or mid-pipe preparation.

Technical Data

	SCR-025-110	SCR-090-225
Diameter Range	25-110mm (1"-4")	90-225mm (3"-9")
Scraping Depth	0.2mm (0.15mm - 0.25mm)	0.2mm (0.15mm - 0.25mm)
Enclosed Parts	Scraping tool, spare blade, allen key, instruction manual, carry case	

Additional Features

- Quick Adjustment*: Rapid adjusting and setting for different pipe diameters.
- Ovality Compensation*: Unique scraping method maintains a uniform scrape depth.
- Swivel Blade*: Flexible blade suspension for optimised movement of the blade on curved pipes.

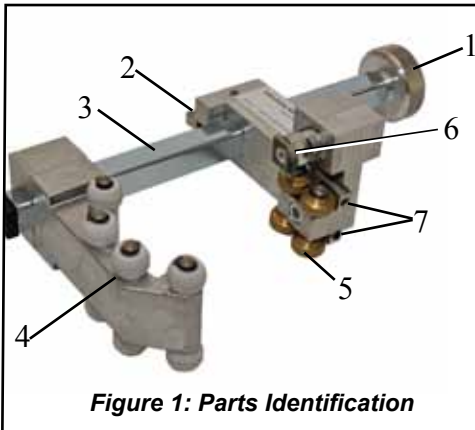


Figure 1: Parts Identification

1. Tensioning knob
2. Quick adjusting catch
3. Supporting bar with spindle
4. Running shell with running wheels
5. Feeding wheels
6. Blade holder with blade
7. Adjusting screws for feeding

The running shell can be moved on the supporting bar by opening the hexagonal screws. By doing this the scrape width can be optimised for various pipe diameters.

Changing the scraper blade

Open the screw which fixes the blade on the blade holder (Allen key 2.5 mm) and remove the old blade.

Put the new blade on the blade holder. Insert and lock the screw. By closing the screw the blade should be pressed against the stop at the blade holder.

Caution! The Blade is very sharp - wear gloves.

Replacements

Order SCR-BLADE-025-225 Scraper Tool Blade (cemented carbide) for Adjustable Rotary Scraper Tools

Operation Instructions

Preparation

1. Remove dirt and sand from the area to be scraped before any further action.
2. Mark the pipe in accordance with UPP installation instructions.

Applying the Scraper Tool

3. Press the Quick Adjustment catch and open the scraper tool.
4. Place the scraper tool on the pipe, so that either the inner or the outer pairs of running wheels are touching the pipe surface.

Scraping pipe ends: $\frac{3}{4}$ of the blade width must be seated on the pipe end.

Scraping mid-pipe: The scraper tool should be placed at the required location on the pipe. The blade should sit on the outer border of the prepared marking.

5. Press the Quick Adjustment catch and close the scraper tool.
6. Use the tensioning knob to clamp the pipe between the feeding wheels and running wheels. The correct biasing is reached when the tensioning knob is lifted about 3 mm from the supporting bar end (Figure 3).

The running wheels and feeding wheels should touch the pipe without deforming it.

Caution: Over-tightening the tensioning knob may damage the scraper tool.

Pipe Scraping

1. Fix the pipe and move the scraper tool around it.

After the first turn, check that the peel width is maximum $\frac{3}{4}$ of the blade width. If the scraping width is larger, adjust the feed (refer to Adjusting the Feeding).

2. Rotate the scraper tool clockwise around the pipe until the end of the marked area is reached.

Take off the scraper tool

3. To open the scraper tool, open the adjusting knob first. You may then press the quick adjusting catch to open the scraper tool. After scraping, check the pipe surface to ensure that the oxidized layer was completely removed.



Figure 2: Scraper Placed on Pipe

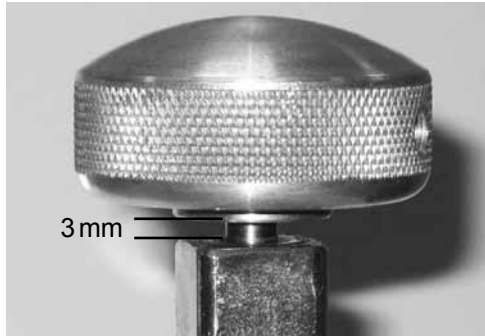



Figure 3: Tension Knob Adjustment

Additional Notes

If the result of the scraping was insufficient, check the feed adjustment or replace the blade as needed.

Caution!  The Blade is very sharp. Do not touch.

The scraping blade is subject to wear and tear. It will need periodic replacement. To extend the life of the blade, Clean the pipes before scraping, keep the tool clean and dry and store the scraper in its transport case. Check the peel thickness often to maintain the 3/4 blade width.

Handling and maintenance

Like with every tool, to achieve optimum results, handle the rotational scraper tool with care and keep it properly maintained. Avoid contamination by sand and dirt and if necessary, remove with a soft cloth. Use a silicon oil to lubricate all the moving parts and use a cloth to remove any surplus oil.


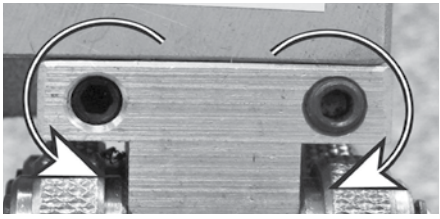
Adjusting the Feeding

Use the largest diameter pipe the scraper tool is design for when adjusting the feed.

Use a 2.5mm Allen key according to Figures 4 and 5 to adjust the feed.

The optimum peel width is $\frac{3}{4}$ of the blade width. After adjusting the feed verify peel width by moving the scraper tool around the pipe. Repeat this process if peel width is not optimum.

Before using scraping tool ensure the feeding block is not loose.

Increase feeding / widen peel	Decrease feeding / reduce peel width:
Open right adjusting screw by $\frac{1}{4}$ - turn	Open left adjusting screw by $\frac{1}{4}$ - turn
Close left adjusting screw by $\frac{1}{4}$ - turn	Close right adjusting screw by $\frac{1}{4}$ - turn
	
<i>Figure 4: Increase Peel</i>	<i>Figure 5: Decrease Peel</i>



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