

i-Broach™

i-Broach is a rigid and effective mechanical scale removal tool with adjustable cutter rails. The i-Broach assembly consists of two broach units covering 360° of the wellbore. When jarring downwards, the broach rails are forced into the scale, effectively removing deposits and scale buildup on the tubing wall.

Upon retrieval, the rails are allowed to collapse and no overpull is needed, ensuring a safe and efficient scale removal operation. The i-Broach comes in five different sizes, ranging from 53.34 to 165.10 mm (2.1 to 6.5 in.).

Features

- Fixed steps and quick adjustment
- Each tool covers and replaces several fixed OD sizes
- Wide and fluted flow passage
- Spring loaded rails
- Unique teeth cutting design
- Cutter rails can be sharpened and replaced

Benefits

- Easy usage and operation
- Simplified logistic and reduced inventory
- Prevents debris from packing inside tool
- Safe retrieval from well
- Improved broaching efficiency

Applications

- Wireline scale removal from wellbore and critical completion components
- Asphaltene and deposit removal
- Acidic/sour well conditions

Technical Data

i-Broach	MUL mm (in.)	OD Closed ¹ mm (in.)	OD Max Open ¹ mm (in.)	F/N mm (in.)	Weight kg (lb)	Connections
Micro	880 (34.50)	53.34 (2.100)	73.03 (2.875)	34.93 (1.375)	8 (18)	15/16 in. UN10
Mini	1,050 (41.30)	73.03 (2.875)	95.25 (3.750)	44.45 (1.750)	20 (44)	1-1/16 in. UN10
Midi	1,440 (56.62)	93.98 (3.700)	121.92 (4.800)	58.75 (2.313)	35 (77)	1-9/16 in. UN10
Maxi	1,440 (56.62)	120.65 (4.750)	152.40 (6.000)	58.75 (2.313)	39 (86)	1-9/16 in. UN10
Mega	1,440 (56.62)	134.62 (5.300)	165.10 (6.500)	58.75 (2.313)	44 (97)	1-9/16 in. UN10

¹ Minor variations may occur

