

NA & NB Expansion Joint

NB Expansion Joint

The NOV NB Expansion Joint is used in the tubing string to allow for pipe expansion and contraction because of temperature and or pressure. The expansion joint is keyed throughout the length of its stroke to allow torque through the joint. Expansion joints come standard with a 3.0 m (9.84-ft) stroke and may be shear pinned throughout the full stroke in 1 ft intervals.

Both the NA & NB Expansion Joints are available with different V-seal materials to suit any application. Available in standard low alloy steel, in accordance with NACE specification MR-01-75 for H₂S service. The Expansion Joints come standard with API tubing connections but premium connections are available upon request.

NA Expansion Joint

The NA Expansion Joint is a swivel joint with full rotation to turn freely until fully extended or compressed. When fully extended or retracted, the designed clutch engages allowing torque to be transmitted through the tool.

The NA and NB Expansion Joints are normally run in conjunction with Permanent or Retrievable Packers in single, dual and multiple zone completions.

Features

- Standard 3.0 m stroke.
- Standard EU 8 RD connections, premium connections available upon request.
- Standard 80 KSI material, premium material available on request.

Benefits

- Expansion Joints facilitates tubing connections and spacing between multiple retrievable packers.
- Ability to release one packer at a time in multiple packer applications.

Applications

- Multiple string completions
- Retrievable-packer systems

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NA expansion joint



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Technical Data

NB Expansion Joint					
Tubing Size in. (mm)	Max. O.D. In. (mm)	Min. I.D. In. (mm)	Stroke Length	Thread Connection	Product Number
2.375 60,33	3.700 93,98	1.995 50,67	9.84-ft 3.00-M	2.375" EU 8 RD	20-012-2010
2.875 73,03	4.500 114,30	2.441 62,00	9.84-ft 3.00-M	2.875" EU 8 RD	20-011-2510
3.500 88,90	5.500 139,70	3.000 76,20	9.84-ft 3.00-M	3.500" EU 8 RD	20-011-3510
NA Expansion Joint					
Tubing Size in. (mm)	Max. O.D. In. (mm)	Min. I.D. In. (mm)	Stroke Length	Thread Connection	Product Number
2.375 60,33	3.700 93,98	1.995 50,67	9.84-ft 3.00-M	2.375" EU 8 RD	20-180-2010
2.875 73,03	4.500 114,30	2.441 62,00	9.84-ft 3.00-M	2.875" EU 8 RD	20-180-2510
3.500 88,90	5.500 139,70	3.000 76,20	9.84-ft 3.00-M	3.500" EU 8 RD	20-180-3010