

Splined Expansion Joint

Retrievable Packers & Accessories



The Splined Expansion Joint is designed for single or dual string completions to accommodate tubing movement to prevent undue stress on the tubing string and packer. The Type A expansion joint incorporates heavy-duty splines that allow the operator to rotate the string through the expansion joint at any point throughout the stroke. The Expansion Joint may be shear pinned at one-foot intervals throughout its full stroke length. Standard lengths are two, four six, and ten feet. Non-standard lengths are available on advance order.

The Expansion Joint is available in a wide variety of body, seal materials, and thread connections to meet virtually all environments.

Features

- Full length heavy-duty spline system
- Shear easily adjustable throughout stroke length
- 10,000 psi pressure rating (most sizes)
- Solid one-piece mandrel
- Available in materials for H₂S or CO₂ service
- Easily serviced and re-dressed

Splined Expansion Joint							
Tubing Size	Max O.D.	Min I.D.	Thread Connection	Available Stroke	Pressure Rating	Tensile Rating	Torque Rating
in	lbs/ft	in		ft	psi	lb	ft/lb
mm	kg/m	mm		m	kg/cm ²	kg	kg/m
2-3/8	3.750	1.930	2-3/8 EUE (Box Up, Pin Down)	2, 4, 6, 10	10,000	30,000	2,000
60.3	95.3	49.0				13,608	277
2-7/8	4.500	2.441	2-7/8 EUE (Box Up, Pin Down)			120,000	2,500
73.0	114.3	62.0				54,432	346
3-1/2	5.300	3.000	3-1/2 EUE (Box Up, Pin Down)	0.6, 1.2, 1.8, 3.1	703.07	130,000	3,500
88.9	134.6	76.2				58,968	484
4-1/2	6.531	3.875	4-1/2 EUE (Box Up, Pin Down)			170,000	5,000
114.3	165.9	98.4				77,112	691