

AUT-1 Adjustable Union

The AUT-1 adjustable union provides a reliable means of spacing out and connecting the tubing on the short-string side between two dual packers.

APPLICATION

- Tubing space out in single or dual completions

BENEFITS

- Low cost
- Field adjustable
- Simple operation

FEATURE

- Transmits torque, tension, and weight

It can also be used to space out the production tubing near the surface in single and dual completions.

The adjustable, telescoping action of the AUT-1 allows it to be set and locked at any desired position within its adjustment length, and it allows pressure integrity to be maintained in the tubing string. Once the union is in place, the desired amount of tension or weight may be applied on the string. Rotational torque can be applied to the tubing through this tool.

DESCRIPTION AND OPERATION

AUT-1 adjustable unions are designed to facilitate tubing space out when completing a well. In most completions, the length of the tubing available at surface is not enough for proper wellhead installation and operation. With pup joints and varying lengths of tubing, the overall production string is adjusted as close as possible to the desired length. Then the AUT-1 is installed, rotationally adjusted, and locked to the desired makeup length.

If dual packers are used, an AUT-1 adjustable union can be used to adjust the tubing length of the short string.



AUT-1 Adjustable Union Specifications

Tubing [†]		Adjustable Unions				
OD (in. [mm])	Weight (lbm/ft)	Min. Casing Size for Union		Max. OD (in. [mm])	Drift (in. [mm])	Adjustment Length (ft [m])
		(in. [mm])	(lbm/ft)			
2.375 [60.3]	4.7	4.000 [101.6]	All weights	3.063 [77.8]	1.901 [48.3]	2.0 [0.7]
2.875 [73.0]	6.5	4.500 [114.3]	15.1	3.668 [93.2]	2.347 [59.6]	
3.500 [88.9]	9.3	5.500 [139.7]	23.0	4.500 [114.3]	2.867 [72.8]	
4.000 [101.6]	11.0	6.625 [168.3]	40.0	5.000 [127.0]	3.351 [85.1]	
4.500 [114.3]	12.8	6.625 [168.3]	28.0	5.563 [141.3]	3.822 [97.1]	

[†] Other sizes are available on request. Contact your local Schlumberger representative.