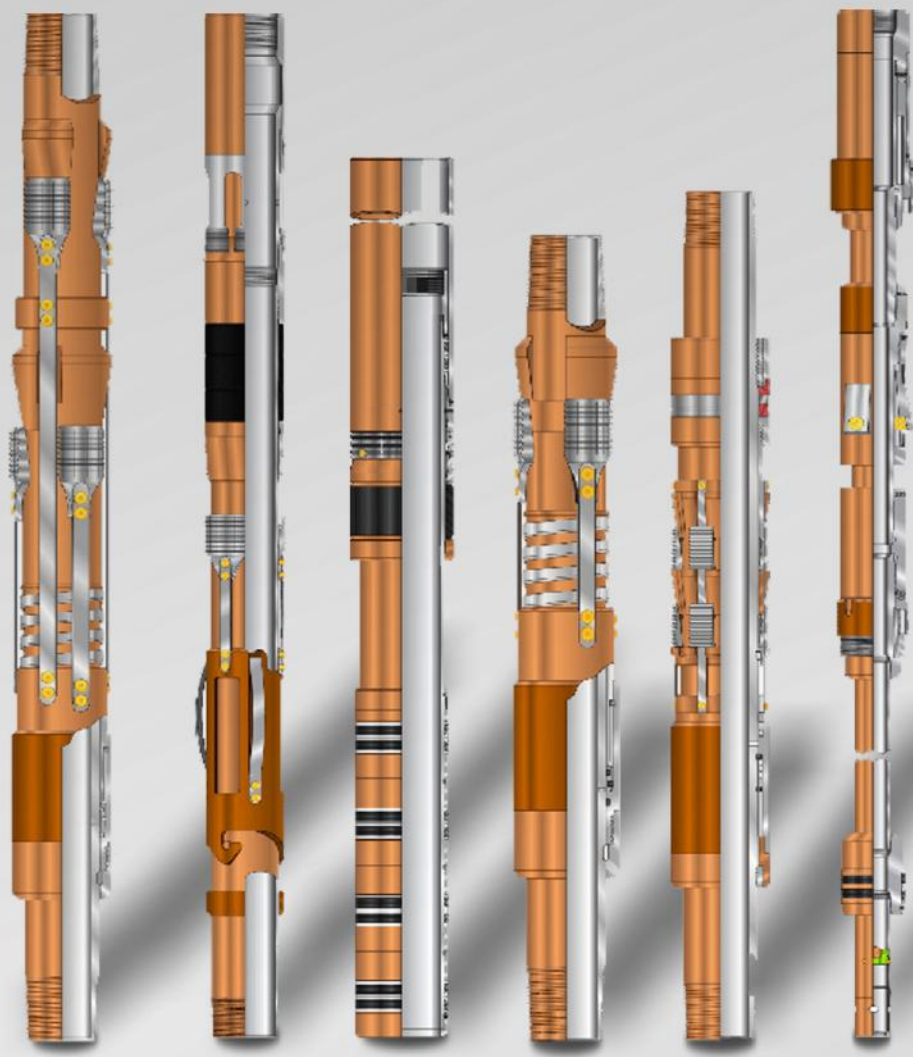


MAXIMUS

Completion Systems

LINER HANGER SYSTEMS



Quartus MSL Mechanical Set Liner Hangers Single & Dual Cone Versions

Quartus MSL Liner Hangers are used to suspend cemented and un-cemented liners off bottom.

Due to their heavy-duty construction, they are capable of successfully suspending very long and heavy liners off bottom.

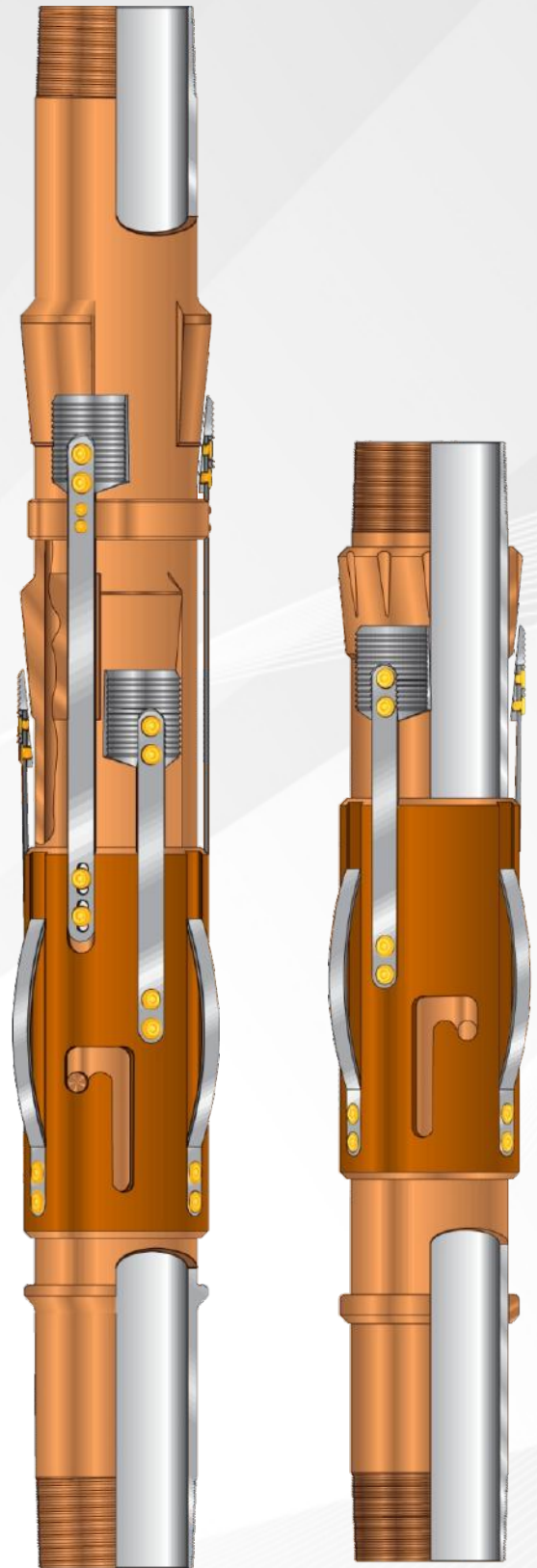
The Quartus MSL mechanical-set liner hanger is available with a one-piece integral barrel for maximum pressure integrity. A dual-cone version with dual set of slips alignment is also available for extra bypass and additional hanging capacity.

Due to the added bypass area, pressure build-up is reduced during run-in and cementing, which reduces the chances of damage to pressure-sensitive formations.

Quartus MSL Liner Hangers are SET by picking up on the liner and rotating to disengage the J-Slot from its running-in position. As the liner is lowered, leaf springs holds the control body stationary.

This action allows the barrel (mandrel) to move downward engaging the cone against the slips and further moving slips outward against the casing wall.

Quartus MSL Liner Hangers are available in either left or right-hand-rotation set models.



Quartus MSL Mechanical Set Liner Hangers Single & Dual Cone Versions

Technical Specifications

Liner Size O.D.	Casing Size		Maximum Body O.D.
	O.D.	Weight Range	
1.900	2 7/4	6.4	2 15/65
1.900	3 1/2	9.2	2 11/16
2 3/8	4	9.5 - 11.6	3 5/32
2 7/8	4 1/2	9.5 - 13.5	3 21/32
3 1/2	5	11.5 - 18.0	4
3 1/2	5 1/2	14.0 - 20.0	4 1/2
4	5 1/2	14.0 - 17.0	4 5/8
4	5 1/2	17.0 - 20.0	4 9/16
4 1/2	6 5/8	19.0 - 24.0	5 7/16
4 1/2	6 5/8	26.0 - 32.0	5 7/16
4 1/2	7	20.0 - 26.0	5 7/8
4 1/2	7	26.0 - 32.0	5 7/8
4 1/2	7 5/8	26.4 - 33.7	6 25/32
4 1/2	7 5/8	33.7 - 39.0	6 5/8
5	6 5/8	19.0 - 24.0	5 9/16
5	7	17.0 - 24.0	6 3/8
5	7	20.0 - 26.0	5 7/8
5	7	26.0 - 32.0	5 7/8
5	7	32.0 - 38.0	5 9/16
5	7 5/8	26.4 - 33.7	6 1/4
5	7 5/8	33.7 - 39.0	6 1/4
5 1/2	7	20.0 - 26.0	6 1/16
5 1/2	7 5/8	26.4 - 39.0	6 7/16
5 1/2	8 5/8	24.0 - 49.0	7 1/4
6 5/8	8 5/8	24.0 - 32.0	7 3/8
6 5/8	8 5/8	32.0 - 40.0	7 3/8
6 5/8	9 5/8	29.3 - 53.5	8 1/16
7	9 5/8	29.3 - 40.0	8 1/4
7	9 5/8	43.5 - 53.5	8 1/4
7	10 3/4	32.0 - 55.5	9 1/8



Quartus MSL Mechanical Set Liner Hangers Single & Dual Cone Versions

Technical Specifications

Liner Size O.D.	Casing Size		Maximum Body O.D.
	O.D.	Weight Range	
7 5/8	9 5/8	32.3 - 40.0	8 3/8
7 5/8	9 5/8	40.0 - 47.0	8 3/8
7 5/8	9 5/8	53.5	8 1/4
7 5/8	10 3/4	32.0 - 40.5	9 1/8
7 5/8	10 3/4	45.5 - 55.5	9 1/8
8 5/8	10 3/4	32.0 - 40.0	9 5/8
9 5/8	11 3/4	54.0 - 60.0	10 3/8
9 5/8	11 3/4	65.0	10 7/16
9 5/8	13 3/8	48.0 - 85.0	11 1/16
10 3/4	13 3/8	48.0 - 68.0	12 1/16

