

## QUANTUM Lower-Zone Multiseal Assembly

Part of a seal system designed to be used in multiple-zone wells

### APPLICATIONS

- Multiple-zone completions

### BENEFITS

- Protects gravel-pack assembly
- Creates highly effective dual-zone completions

### FEATURES

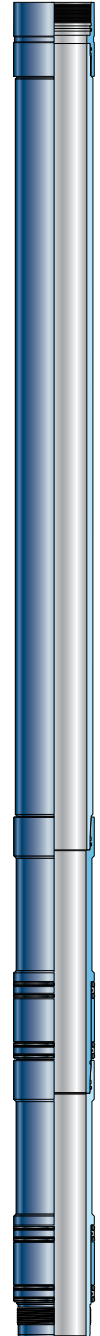
- Cover for port closure sleeve on gravel-pack extension
- Polished bore for selective dual completions or long strings
- NACE MR0175-compliant materials

The QUANTUM\* gravel-pack packer lower-zone multiseal assembly (LZMSA) seals in the packer bore and isolates the gravel-pack ports of the lower QUANTUM packer in a multiple-zone gravel-pack well. When used in selective strings or in dual completions, a portion of the bore of the multiseal assembly is polished to receive the long-string seal assembly.

The LZMSA components are individually selected to meet specific application requirements. Depending on the completion, different snap latches, locators, and guide shoes are combined with the seal assembly.

The LZMSA is run at the bottom of the upper gravel-pack packer assembly.

The LZMSA components are manufactured from materials that comply with NACE MR0175 standards for sulfide stress cracking-resistant metallic materials.



QUANTUM lower-zone multiseal assembly.

### QUANTUM Lower-Zone Multiseal Assembly Specifications

Size, <sup>‡</sup> in [mm]	Max. OD, in [mm]	Min. ID, in [mm]	Pressure Rating, <sup>§</sup> psi [kPa]	Lower Threads, in-TPI
5.500 × 3.000 × 2.688 [139.7 × 76.2 × 68.3]	2.985 [75.8]	2.688 [68.3]	8,000 [55,160]	2.312–8 SA
7.000, 7.625 × 3.250 × 2.688 [177.8, 193.7 × 82.6 × 68.3]	3.210 [81.5]	2.688 [68.3]	9,000 [62,055]	2.875–8 SA
7.000, 7.625 × 4.000 × 3.000 [177.8, 193.7 × 101.6 × 76.2]	3.960 [100.6]	3.000 [76.2]	9,100 [62,745]	3.625–8 SA
7.000, 7.625 × 4.000 × 3.250 [177.8, 193.7 × 101.6 × 82.6]	3.960 [100.6]	3.250 [82.6]	8,000 [55,160]	3.625–8 SA
9.625 × 4.750 × 3.250 [244.5 × 120.7 × 82.6]	4.710 [119.6]	3.250 [82.6]	8,600 [59,297]	4.094–8 UNS
9.625 × 6.000 × 4.000 [244.5 × 152.4 × 101.6]	5.960 [151.4]	4.000 [101.6]	7,800 [53,781]	5.459–8 SA
9.625 × 6.000 × 4.750 [244.5 × 152.4 × 120.7]	5.960 [151.4]	4.750 [120.7]	7,800 [53,781]	5.459–8 SA

<sup>‡</sup> Other sizes are available on request. Contact your local Schlumberger representative.

<sup>§</sup> Values shown are for 80,000-psi [551,600-kPa] material derated for 250 degF [121 degC] with a 20% safety factor.