



Reset Dart Assembly

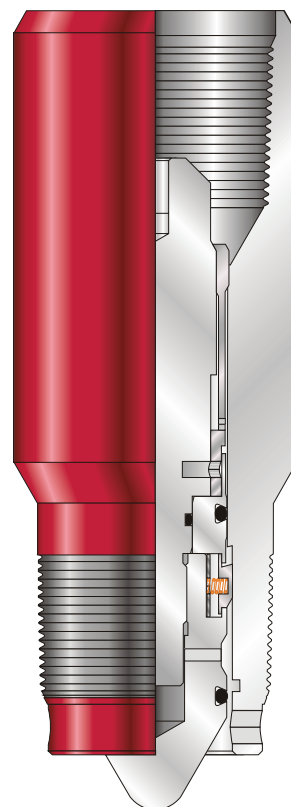
Weatherford's reset dart assembly is dropped or pumped through tubing or coiled-tubing string to activate many types of downhole tools that require pressure for operation or setting. The versatile reset dart works with inflatable packers, cased-hole packers, liner hangers, and openhole service tools, and is as reliable in horizontal wells as it is in vertical wells. Many reset darts as necessary can be used in the work string while the landing seat is maintained in or below the downhole tool.

Applications

- Used in horizontal and vertical wellbores
- Used with multiset IPP™ injection production packers
- Used with cased-hole packers, liner hangers, and openhole service tools

Features, Advantages and Benefits

- Multiple shear-value settings can be easily adjusted, enabling the tool to operate with other hydraulic equipment in the string.
- The dart seat remaining in the tool enables multisetting tools to remain in the well, eliminating the need to retrieve the tools and repin setting seats for multiple use. To actuate another tool, another dart is dropped.
- The dart accommodates fins of various sizes for use in a variety of work-string sizes, providing application flexibility.
- Incorporated fins are attached to the assembly, enabling the position of the dart during pump-down to be determined by displacement volume.
- The assembly permits any dart to be sheared and the work string pulled, enabling performance of another procedure without fluid losses from the tubing.





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Specifications

Dart Size (in./mm)	Dart OD (in./mm)	Length (in./mm)	Number of Shear Pins*	Fin Thread (in.)
1.25 31.75	1.12 28.45	7.89 200.41	10	1/2 (13 UNC)
1.44 36.58	1.43 36.32	9.85 250.19		
2.00 50.80	1.81 45.97	10.21 259.33	12	
2.50 63.50	2.27 57.66	10.34 262.64		

*At 500 psi (3,447 kPa) each

Aluminum Dart

Dart Size (in./mm)	Dart OD (in./mm)	Length (in./mm)	Number of Shear Pins*	Fin Thread (in.)
1.25 31.75	1.12 28.45	8.75 222.25	10	1/2 (13 UNC)

*At 500 psi (3,447 kPa) each