

Solid Body Dart Latch Collar and Wiper Dart

The Solid Body Dart Latch Collar is a field-proven assembly designed to positively lock our Latch Down Wiper Dart. Elastomeric seals on the wiper dart nose seal within the latch collar assembly to provide pressure integrity from above and below, while a locking slip firmly locks the dart in place. A solid “no-go” ensures the dart cannot be pumped through the latch collar assembly when pressure is applied from above.

Features

- Fully configurable wiper dart design
- Single piece body with no potential leak paths
- Millable internal latch insert
- Positive locking mechanism
- Solid “no-go” design

Benefits

- Wiper dart can be configured in a variety of ways to accommodate monobore casing, tapered strings, liners and ball-drop sleeves
- Locking mechanism prevents the dart from becoming unseated after the cementing operation to ensure the wellbore integrity remains intact

Applications

- Cemented liner and monobore completions
- Cemented ball-drop sleeve systems
- High differential pressure applications that require wellbore integrity up to 69 MPa (10,000 psi)



Technical Data

Solid Body Dart Latch	OD in. (mm)	Body ID in. (mm)	Length in. (mm)	Material	Burst/Collapse Pressure psi (kPa)	Differential Pressure ¹ psi (kPa)	Connections ²
450	5.500 (139.70)	3.900 (99.06)	14.25 (0.36)	P-110	As per Connections	10,000 (69,000)	LTC Standard

¹ From above and below with the dart latched in

² Premium connections available upon request