



PURPOSE

Setting in tubing strings without upsets, typically integral joint where couplings do not exist.

Setting in tubing strings where there is a need for a more secure and / or positive barrier than a conventional Slip type stop.

ASSEMBLY PARTS

- 1. Body
- 2. Slips
- 3. Retainer Band
- 4. Slip Carrier
- 5. Ratchet
- 6. Retainer
- 7. O-Ring
- 8. Set Screw

APPLICATIONS

Set in wellbore to provide a platform for numerous wireline operations, plungerlift, or as a safeguard to prevent debris from falling down the wellbore.

OPERATION

The Ratchet slip type tubing stops are latched into a jar down to shear pulling tool and / or a slip stop running tool and attached to the tool string.

The stop is lowered down the tubing slowly until desired depth has been reached, the tool string is accelerated downward rapidly. The velocity forces the slip up the tapered slip mandrel (body), setting them against the tubing wall. At the same instance the ratchets in the slip carrier move over the serrated teeth on the body and lock in place at the point where the slips are fully engages in the tubing wall.

Jar down to ensure the slips and ratchets are securely set, this will also shear the jar down pulling tool setting the stop.

Pulling the slip type tubing stop is done by attaching a pulling tool to the tool string and lowering it to stop depth and latching the stop. Once the stop is latched, jarring upward will unseat the stop, and shear the ratchets for removal from the wellbore.

PRECAUTIONS

Slip type tubing stops require velocity for setting, making precise setting depths difficult to achieve.

(Sizes on next page)

Nominal Size		2.00"	2.50"	3.00"
Assembly Number		1004AR200A0	1004AR250A0	1004AR300A0
Item	Part Name			
1	Body	1004AR20001	1004AR25001	1004AR30001
2	Slips	1004ATS20002	1004ATS25002	1004ATS30002
3	Retainer Band	1004ATS20003	1004ATS25003	1004ATS30003
4	Slip Carrier	1004AR20004	1004AR25004	1004AR30004
5	Ratchet	1004AR20008	1004AR25008	1004AR30008
6	Retainer	1004AR20009	1004AR25009	1004AR30009
7	O-Ring	123 (x2)	129 (x2)	133 (x2)
8	Set Screw	.250 UNC x .250	.250 UNC x .250	.250 UNC x .250
Max O.D.		2.040"	2.40"	3.00"
Min. O.D.		1.85"	2.23"	2.72"
Fishneck size		1.37"	1.75"	2.31"

10. packoff equipment

When ordering please specify part name and size. Call us Toll Free: 1-800-438-0061