

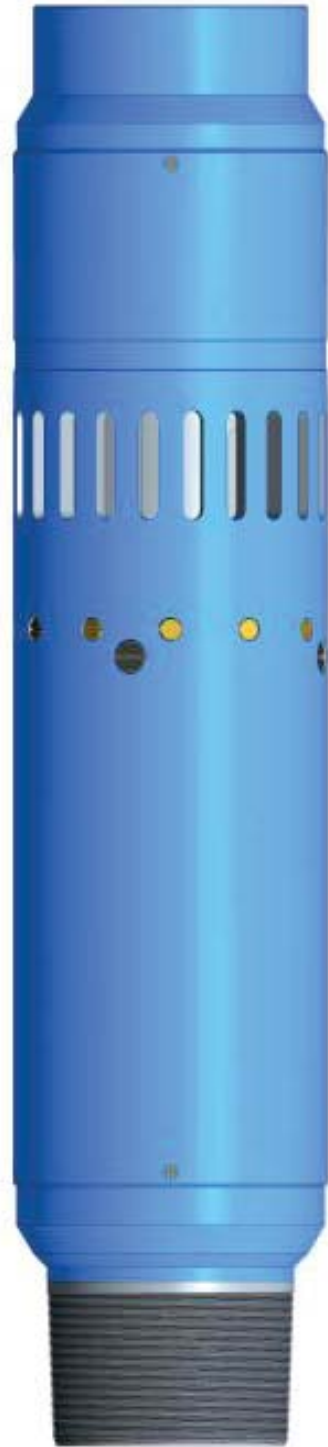


PRODUCT PORTFOLIO

ACTS OPEN HOLE BALL DROP SYSTEM

ACTS RECLOSEABLE MILLABLE BALL VALVE

ACTS Recloseable Millable Ball Valve is a ball actuated fracturing valve designed to stimulate multiple intervals in a well bore. High flow circumferential ports, once opened by ball drop operations, permit continuous communication to the reservoir for high pressure stimulation operations and production. The valve is actuated by low specific gravity balls available in different material configurations depending on the intended application. One ball material type available is dissolvable when exposed to water and does not require chlorides to be present for dissolving action to occur. The valve's seats and balls are available in 1.59, 2.38, and 3.18 mm (1/16, 3/32, and 1/8 in) increments permitting increased interval density capability to enable increased stimulation pump rates and production optimization. After ball seat millout, the valves can be reclosed and opened an unlimited number of times using ACTS Recloseable Millable Valve Actuating Tool run on jointed pipe or coiled tubing. This feature permits valve shut off capability eliminating unwanted production from specific intervals and liner to reservoir communication flexibility for future refracturing operations.



Features & Benefits

- Ball seat can be milled out when valve is closed or open permitting milling flexibility
- Valve port area is larger than liner flow area to prevent stimulation screenouts at the valve
- Ball seat geometric features enhances ball on seat pressure rating, ball off seat performance, and production capability
- Dissolvable ball material option maximizes liner production flow
- Valve's recloseability feature, using ACTS Recloseable Millable Valve Actuating Tool, permits production and refracturing operations flexibility
- Premium threads and metallurgies available for harsh wellbore environments

Specification Table					
Size	Weight	OD	ID	Max. Ball Size	Interval Capability
mm	kg/m	mm	mm	mm	36
in	lb/ft	in	in	in	
114.3	17.26/20.09	145.3	100.0	95.3	
4-1/2	11.6/13.5	5.720	3.938	3.750	
Interval Capability Achieved Using 1.59, 2.38, and 3.18 mm (1/16, 3/32, and 1/8 in) Ball and Seat Sizes					