

# Flopetrol Upstroke Jar

## Slickline Downhole Tools

**Upstroke jars are used for jarring upwards during wireline pulling operations. The advantage of using an upstroke jar as compared to a hydraulic jar, is that it is fully mechanical and has no seals, permitting its use in gas wells.**

The Flopetrol upstroke jar incorporates a ball locking mechanism and a compression spring tensioning system. The central shaft is abruptly unlocked when the compression force of the spring is reached, so delivering an upward jarring impact to the tool string.

Different tension rated springs are fitted to give optimum performance depending on the depth in the well.

Jarring is brought about by pulling steadily on the wireline, without acceleration. When the wireline is insufficiently elastic (for instance, at or near the surface) a stretch simulator should be placed in the tool string to prevent wire damage.

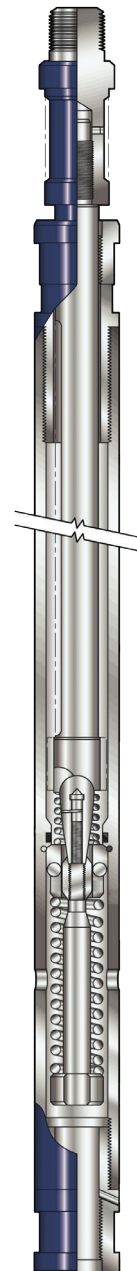
- 1 1/2" Jar Part Number – M-809695**
- 2 1/8" Jar Part Number – M-810373**

**Hunting Upstroke Jars are available with various connections to suit customer requirements**

FLOPETROL UPSTROKE JAR - SPECIFICATIONS		
Jar Size	1 1/2"	2 1/8"
Part Number	M-809695	M-810373
Maximum OD	1 1/2" (38.1 mm)	2 1/8" (54 mm)
Length	27.5" (698.5 cm)	35.14" (892.5 cm)
Standard Spring Tension**	400 lbm (180 kg)	1000 lbm (450 kg)
Pin and Box Thread	15/16 - 10" (23.8 mm)	1 1/16 - 10" (27 mm)
Fishing Head	1.375" (38.1 mm)	1.750" (44.4 mm)

\*\* The weight of the toolstring and cable - friction must be added to the spring tension.

FLOPETROL UPSTROKE JAR - OPTIONAL PARTS				
Size of Jar	1 1/2"		2 1/8"	
Adaptable	M-812918 Size 2 1/4"		M-810769 Size 2 5/8"	
Stretch Simulator	Jar	Simulator	Jar	Simulator
Tension Spring	1 1/2"	2 1/4"	2 1/8"	2 5/8"
200 lbm (90 kg)	M-810645	M-812919	-	-
400 lbm (180 kg)	M-810644	M-812919	M-813000	-
700 lbm (320 kg)	-	-	M-810514	M-810759
1000 lbm (450 kg)	-	-	M-810374	M-810759



(Additional charts overleaf)

**FLOPETROL UPSTROKE JAR - SPARE PARTS**

Ref.	Description	1 1/2" Upstroke Jar M-809695	2 1/8" Upstroke Jar M-810373
1	Fishing Head	M-808661	M-834442
2*	Pin	G-824284	G-823616
3	Shock Arrester	M-809691	M-810384
4	Link Rod	M-809694	M-834443
5	Body	M-809693	M-811972
6*	Spring	M-809820	M-812092
7*	Pin	G-823469	G-824284
8*	Spring 200 lbm (option) (90 kg)	M-810645	-
8*	Spring 400 lbm (option) (180 kg)	M-810644	M-813000
8*	Spring 700 lbm (option) (320 kg)	-	M-810514
8*	Spring 1000 lbm (option) (450 kg)	-	M-810374
9*	Ball	G-826436	G-826435
10	Ball Cage	M-808665	M-811969
11	Spring Rod	M-810650	M-811974
12	Lower Connection	M-808668	M-811970
13*	External Ring	M-809113	M-810375
14*	Internal Ring	M-809112	M-810376

\* Recommended spare parts.

**FLOPETROL UPSTROKE JAR - REPAIR KITS**

1 1/2" for Upstroke Jar Repair Kit P/N M-813493 Comprising:			2 1/8" for Upstroke Jar Repair Kit P/N M-813494 Comprising:		
1	External Ring	M-809113	1	External Ring	M-810375
1	Internal Ring	M-809112	1	Internal Ring	M-810376
1	Spring	M-809820	1	Spring	M-812092
12	Balls	G-826436	16	Balls	G-826435
6	Pins	G-823469	4	Pins	G-823616
2	Pins	G-824284	4	Pins	G-824284

**1 1/2" - M809695****2 1/8" - M810373**