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# HYDRAULIC DOUBLE ACTING JARS

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Drilling motors and tools  
**SOKOL**

The **SOKOL Hydraulic Double Acting Jar** is hydraulically controlled and works in both directions, with impact force controlled by the operator. The jar does not incorporate a mechanical section. Up jarring force is controlled by the amount of the drill string tension during the hydraulic delay, and down jarring force — by the slack of weight during the hydraulic delay. **Hydraulic Double Acting Jar** is operated by a simple up and down motion and is unaffected by right- or left-hand torque. Standard seals are suitable for use up to 120°C. Optional high temperature seal kits are available suitable for service up to 200°C. External sealing surfaces are tungsten carbide-coated to enhance wear and corrosion resistance.

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Size	Max OD, mm	Length, mm	Stroke, mm	Pump open area, cm <sup>2</sup>	Min thru bore, mm	Max pull during delay, kgf	Tensile yield, kgf	Torsional limit, kgf*m	Tool joint (may be customized)
86mm (3 3/8")	86	5 400	533	38	38	22 600	63 900	600	NC 26
108mm (4 1/4")	110	6 400	635	57	50	31 700	81 900	1 000	NC 31
121mm (4 3/4")	124	5 800	635	76	57	38 500	100 900	1 400	NC 38
172mm (6 3/4")	176	5 900	635	153	70	86 100	325 300	3 900	NC 50
203mm (8")	207	6 400	635	198	70	108 800	352 100	6 200	6 5/8 Reg