WZL INDUSTRIES

ULTIMATE HJ

Single-Acting Hydraulic Fishing Jar

RELIABLE UPWARD JARRING FORCE

The Wenzel ULTIMATE HJ hydraulic fishing jar is a compact, lightweight, single-acting jar designed to deliver powerful upward impact when freeing equipment from tight downhole jams. Built primarily for fishing, coring and milling applications—but rugged enough for drilling—the HJ can be paired with a hydraulic accelerator to optimize jarring performance.

Hydraulically activated and controlled by the operator, the HJ uses Wenzel's Visco Jet metering system to provide consistent delay times across a wide range of operating temperatures. A sealed and lubricated long-spline mandrel protects the tool from torsional forces while reducing friction and wear. Depending on tool size, six to six-and-a-half inches of free stroke delivers impact force several times greater than the applied overpull, while tungsten-carbide-coated sealing surfaces and optional high-temperature seals support reliable performance in demanding downhole environments.

ULTIMATE CONFIGURATIONS – IMPERIAL

Nominal OD (in)	Length (ft)	Thru bore (in)	Tensile yield (lb)	Torsional limit (ft-lb)	Pump open area (in^2)	Max pull during delay (lb)	Free / total stroke (in)	Weight (lbs)
4 ¾	13.3	2.25	352,000	16,100	11.0	131,250	6.5 / 11.0	510
5	13.3	2.25	352,000	23,300	11.0	148,750	6.5 / 11.0	500
6 ½	13.7	2.25	868,000	44,000	19.6	262,500	6.5 / 11.0	990
8	13.8	3.00	1,160,000	86,900	30.7	420,000	6.5 / 11.0	1,915
9	13.8	3.00	1,288,000	128,800	41.2	472,500	6.0 / 10.5	2,503

ULTIMATE CONFIGURATIONS – METRIC

Nominal OD (mm)	Length (m)	Thru bore (mm)	Tensile yield (daN)	Torsional limit (N ·m)	Pump open area (mm^2)	Max pull during delay (daN)	Free / total stroke (mm)	Weight (kg)
121	4.1	57	156,600	21,800	7,100	58,400	170 / 280	230
127	4.1	57	156,600	31,600	7,100	66,200	170 / 280	230
165	4.2	57	386,100	59,700	12,600	116,800	170 / 280	450
203	4.2	76	516,000	117,800	19,800	186,800	170 / 280	870
229	4.2	76	572,900	174,600	26,600	210,200	150 / 270	1,140