WZL INDUSTRIES

WZL HJ

Hydraulic Fishing Jar

RELIABLE UPWARD JARRING FORCE

When taking care of fishing, coring and milling operations, look no further than the tough and reliable WZL HJ hydraulic fishing / drilling jar.



FEATURES & BENEFITS

The Liberator

The WZL HJ is a single acting, upward firing jar designed primarily to free your assets from tight jams. The HJ is smaller and lighter than our line of drilling jars, and can be positioned in conjunction with accelerators to provide optimal jarring action. Additionally, the HJ can be configured in our Ultimate set up, giving you the highest overpull on the market.

The HJ is hydraulically activated in the up direction with impact force controlled by the operator. The Visco Jet metering device ensures consistent delay times over a full range of operating temperatures.

Built to last

Though our HJ is designed to be rugged enough for drilling applications, it is intended for fishing, coring and milling applications. A long, splined mandrel ensures the HJ is not affected by torsional forces and splines are sealed and lubricated to minimize friction and reduce wear.

Standard seals are effective to 250°F (120°C), and the HJ can be dressed with seals effective to 400°F (200°C) for hot hole environments.

All external sealing surfaces are coated with wear and corrosion resistant tungsten carbide.

SPECIFICATIONS – IMPERIAL

Nominal OD (in)	Type	Length (ft)	Thru bore (in)	Tensile yield (lb)	Torsional limit (ft-lb)	Pump open area (in²)	Max pull during delay (lb)	Free / total stroke (in)
3 ⅛	Standard	9.5	1.00	198,000	6,600	4.0	41,000	7.0 / 11.0
3 ⅜	Standard	9.0	1.50	235,000	7,400	5.9	50,000	4.0 / 8.5
3 ¾	Standard	9.2	1.25	196,000	10,100	5.9	60,000	4.0 / 8.0
4 ¼	Standard	9.5	2.00	301,000	13,800	8.9	70,000	4.0 / 8.5
4 ¾	Standard	11.2	2.25	352,000	16,100	11.0	75,000	6.5 / 11.0
	Ultimate	13.3	2.25	352,000	16,100	11.0	131,250	6.5 / 11.0
5	Standard	11.2	2.25	352,000	23,300	11.0	85,000	6.5 / 11.0
	Ultimate	13.3	2.25	352,000	23,300	11.0	148,750	6.5 / 11.0
6 ¼	Standard	9.7	2.25	868,000	35,000	19.6	130,000	6.5 / 11.0
6 ½	Standard	11.5	2.25	868,000	44,000	19.6	150,000	6.5 / 11.0
	Ultimate	13.7	2.25	868,000	44,000	19.6	262,500	6.5 / 11.0
8	Standard	10.6	3.00	900,000	86,900	30.7	240,000	6.5 / 11.0
	Ultimate	13.8	3.00	1,160,000	86,900	30.7	420,000	6.5 / 11.0
9	Standard	11.3	3.00	1,288,800	128,800	41.2	270,000	6.0 / 10.5
	Ultimate	13.8	3.00	1,288,000	128,800	41.2	472,500	6.0 / 10.5

Specifications are based on as-new condition and are subject to change without notice. Other sizes available upon request.

DELIVER THE ULTIMATE PUNCH

The WZL HJ is available in our proprietary Ultimate configuration, which gives operators the highest overpull capacity on the market.

SPECIFICATIONS – METRIC

Nominal OD (mm)	Type	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)
79	Standard	2.9	25	88,100	8,900	2,600	18,200	180 / 280
86	Standard	2.7	38	104,500	10,000	3,800	22,200	100 / 220
95	Standard	2.8	32	87,200	13,700	3,800	26,700	100 / 200
108	Standard	2.9	51	133,900	18,700	5,700	31,100	100 / 220
121	Standard	3.4	57	156,600	21,800	7,100	33,400	170 / 280
	Ultimate	4.1	57	156,600	21,800	7,100	58,400	170 / 280
127	Standard	3.4	57	156,600	31,600	7,100	37,800	170 / 280
	Ultimate	4.1	57	156,600	31,600	7,100	66,200	170 / 280
159	Standard	2.9	57	386,100	47,500	12,600	57,800	170 / 280
165	Standard	3.5	57	386,100	59,700	12,600	66,700	170 / 280
	Ultimate	4.2	57	386,100	59,700	12,600	116,800	170 / 280
203	Standard	3.2	76	400,300	117,800	19,800	106,800	170 / 280
	Ultimate	4.2	76	516,000	117,800	19,800	186,800	170 / 280
229	Standard	3.4	76	572,900	174,600	26,600	120,100	150 / 270
	Ultimate	4.2	76	572,900	174,600	26,600	210,200	150 / 270

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