WZL INDUSTRIES

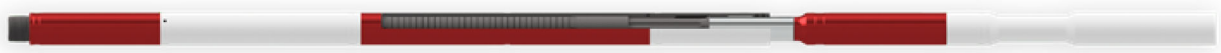
WZL ULTRAVIBE

Axial Vibration Tool

FEATURES & BENEFITS

- Creates powerful longitudinal pulses to reduce friction and help transfer weight to bit
- V Series shock tool developed to work in tandem with UltraVibe and maximize effect
- Enhances tool face control, reduces wellbore tortuosity, stick/slip and bit bounce
- Improves bit life and reduces drill pipe compression
- Tool configurable to be flow or ball activated
- Pressure pulse amplitude configured with nozzle selection
- Internal filter screen clears debris from mud flowing through valve





INTEGRATED FLEX BOTTOM SUB

INTEGRATED TOP FLEX SUB WITH CUSTOM MOD IF DOUBLE SHOULDER CONNECTION

HIGH PUMP OPEN AREA

FLOW- OR BALL-ACTIVATED PRESSURE PULSE

HIGHER SPRING RATE CREATES LARGER TENSION/COMPRESSION OPERATING RANGE

SPECIFICATIONS – IMPERIAL

Nominal OD (in)	Length (ft)	Tensile yield (lb)	Torsional limit (ft-lb)	Pump open area (in²)	Operating flow range (gpm)	Operating freq. range (Hz)	Pressure drop range (psi)	Approx. weight (lb)
4 ¾	28.4	525,000	20,000	17.2	200 – 330	6 – 16	350 – 650	1,260
5 ¼	28.7	550,000	35,000	21.8	200 – 400	6 – 16	350 – 650	1,530
5 ⅜	28.7	650,000	37,000	21.8	200 – 400	6 – 16	350 – 650	1,640
6 ¾	29.4	1,100,000	78,000	39.2	400 – 750	6 – 16	350 – 650	2,790

Specifications are based on as-new condition and are subject to change without notice.

SPECIFICATIONS – METRIC

Nominal OD (mm)	Length (m)	Tensile yield (daN)	Torsional limit (N·m)	Pump open area (mm²)	Operating flow range (m³/min)	Operating freq. range (Hz)	Pressure drop range (kPa)	Approx. weight (kg)
121	8.7	233,500	27,100	11,100	0.75 – 1.25	6 – 16	2,410 – 4,480	570
133	8.7	244,600	47,500	14,100	0.75 – 1.52	6 – 16	2,410 – 4,480	690
137	8.7	289,100	50,200	14,100	0.75 – 1.52	6 – 16	2,410 – 4,480	740
171	9.0	489,300	105,800	25,300	1.51 – 2.84	6 – 16	2,050 – 4,480	1,270

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CONTACT US FOR PRICING AND FURTHER DETAILS: wzlindustries.com/contact/