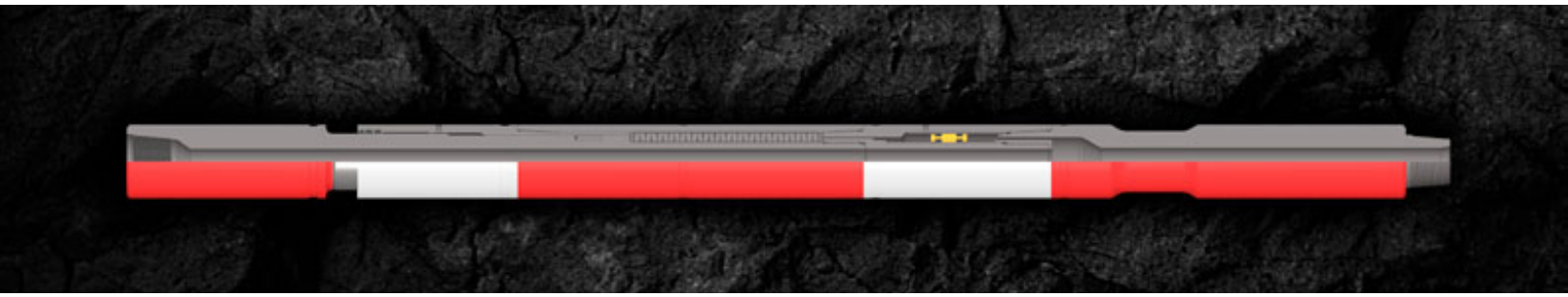
WZL INDUSTRIES

WZL SHOCK TOOL

Drilling Shock Tool

SIMPLE, DURABLE, COST-EFFECTIVE

The WZL shock tool does more than reduce bit vibration in hard formations. And thanks to its simple design, it is the most durable and cost-effective shock tool on the market. We also offer our shock tool in a wider array of sizes than anyone else.



FEATURES & BENEFITS

Bit vibration

When drilling through tough, hard rock formations and/or using aggressive hammer drilling tools, additional vibration can occur and cause excessive stress to drill bits.

The WZL shock tool helps reduce bit vibration without lifting the bit from its point of contact. Results include better boreholes, increased ROP and extended life of BHA equipment.

Our simple design and quality materials ensure our tool is built to withstand incredible forces and is easy to maintain.

Anti-friction tools

When used in tandem with axial anti-friction tools, our shock tool can help spread axial vibrations further along the drill string.

By smoothing out and lengthening these vibrations, axial shock loads can be reduced by up to 20% while drilling power increases.

MWD protection

Protect and ensure accuracy from your high-value and carefully calibrated measurement-while-drilling (MWD) tool by reducing axial vibration through the simple addition of a cost-effective WZL shock tool.

SPECIFICATIONS – IMPERIAL

Nominal OD (in)	Length (ft)	Thru bore (in)	Tensile yield (lb)	Torsional limit (ft-lb)	Pump open area (in²)
3 ⅜	7.9	1	102,000	7,300	5.9
3 ½	7.8	1	239,000	7,300	5.9
4 ¾	10.7	1 ½	561,500	20,000	11.0
5 ¼	12.0	2 ¼	600,000	29,100	14.2
6 ¼	11.7	2 ¼	926,600	37,900	19.6
6 ½	11.7	2 ¼	960,000	39,500	19.6
6 ¾	11.5	2 ¾	837,400	46,400	21.6
8	11.9	2 ¾	1,378,800	82,200	30.6
9	12.3	3	1,502,000	96,200	38.5
9 ½	12.3	3	1,209,000	131,000	41.3
10	12.3	3	1,246,500	132,300	41.3
11	12.0	3	1,628,300	225,600	63.6
12	12.0	3	1,246,500	227,900	63.6
14	14.0	3	2,500,000	361,900	78.5

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

SPECIFICATIONS – METRIC

Nominal OD (mm)	Length (m)	Thru bore (mm)	Tensile yield (daN)	Torsional limit (N·m)	Pump open area (mm²)
86	2.4	25	45,400	9,900	3,800
89	2.4	25	106,300	9,900	3,800
121	3.3	38	249,800	27,100	7,100
133	3.7	57	266,900	39,500	9,200
159	3.6	57	412,200	51,400	12,700
165	3.5	70	427,000	53,600	12,700
171	3.5	70	372,500	62,900	13,900
203	3.6	70	613,300	111,400	19,700
229	3.7	76	668,100	130,400	24,800
241	3.7	76	537,800	177,600	26,000
254	3.7	76	554,400	179,400	26,600
279	3.7	76	724,300	305,900	41,000
305	3.7	76	724,300	309,000	41,000
356	4.3	76	1,112,000	490,700	50,600

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