



Element Oilfield Vibration Enhancement Shock Tool EOT-VEST

The Element Oilfield Vibration Enhancement Shock Tool (**EOT-VEST**) is designed specifically for the use in combination with vibration producing tools.

Unlike typical Shock Tools, the **EOT-VEST** features a large pump open area to increase loading onto the tool hydraulically creating 30% – 50% more axial loading which produces larger hitting and vibrational force breaking friction downhole. With the addition of the Element Booster sub (**EOT-BOOST**), fluid from the Annuls is introduced into the tool creating an even larger hitting force, which can be multiplied by adding additional booster subs in series to match the required energy of movement in all well types.

The **EOT-VEST** also works in both tension and compression, which allows for the loading to take place from both compressing and extending the tool to maximize pressure pulsing, axial pulsing and hammer pulsing.

EOT-VEST design is compact with variable options for preloading the tool in various drilling conditions.

Features of the **EOT-VEST**

- Can be run with all vibration producing tools
- Unique pressure compensation chamber for maximum life of performance
- Load rating ranges can be customized based on the operator's requirements
- Internal Carbide coatings standup in all fluid environments



Tool O.D. in.	Tool I.D. in.	Tool Length	Weight-lbs	Stroke Closed in.	Stroke Open in.	Pump Open Area in ² (with 1 Boost sub)	Torsional Limit -ft-lb	Tensile Yield (lbs.)
3 1/2"	1.5"	10'	240	2"	2"	13.17	19,500	110,000
4-3/4" / 5"	1.75"	10'	525	2"	2"	19.38	33,500	565,000
5-1/8" / 5 1/4"	1.75"	10'	600	2"	2"	22.74	32,000	560,000
6-1/2" / 6 3/4"	2 1/2"	12'	870	2 1/2"	2 1/2"	38.75	66,300	952,000
8"	2 3/4"	13'	1475	2 1/2"	2 1/2"	58.90	143,000	1,415,000