

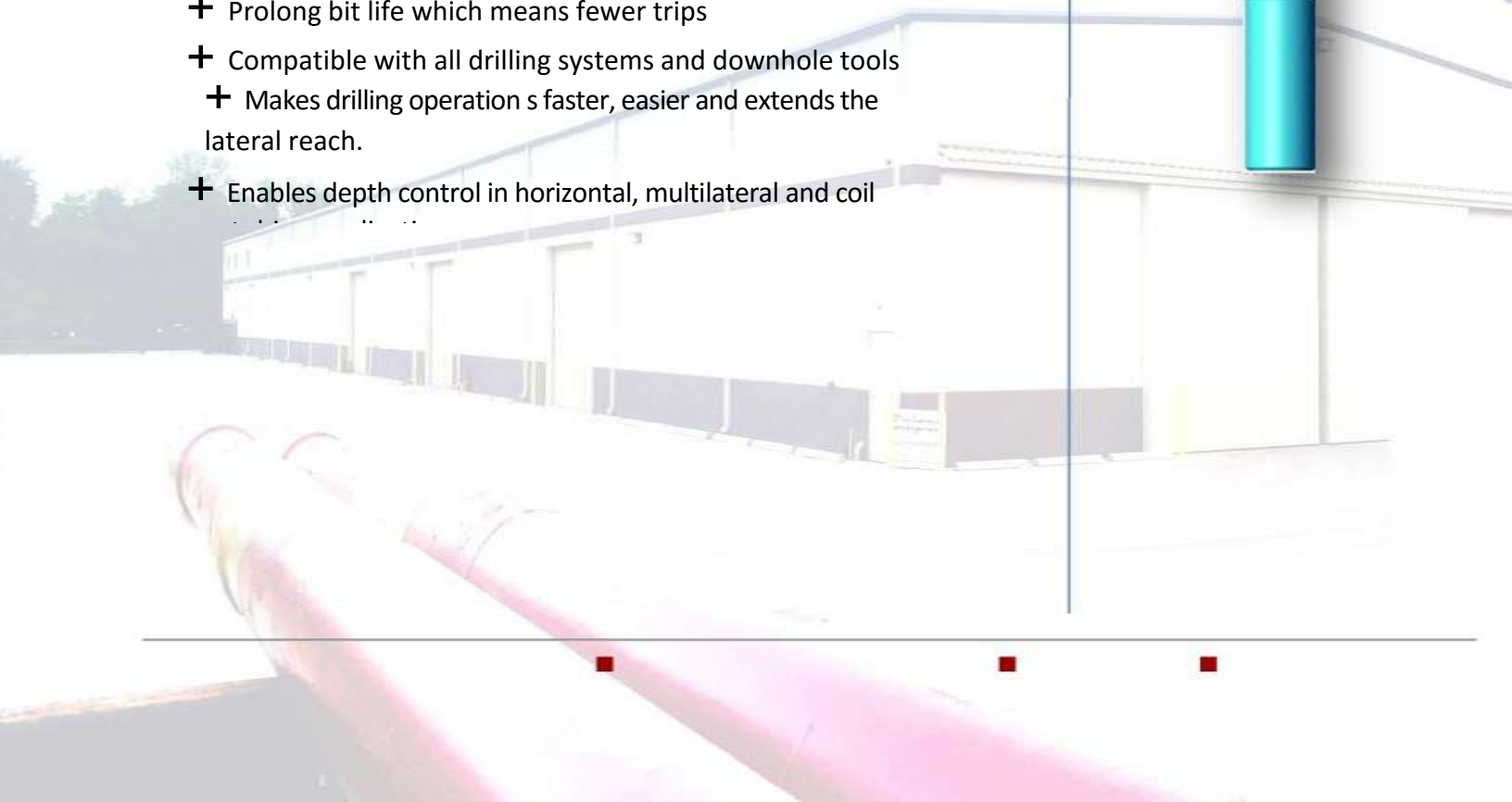


DRAG ELIMINATOR

CHE Drag Eliminator has been designed to provide maximum downhole friction reduction by increasing weight transfer with axial vibration. Unlike conventional rotary drilling, axial vibration generated by Drag Eliminator acts as a continuous and even sinewave, gently applied to the bottom-hole assembly. As its name implies it significantly reduces “Dragging” friction from sticking and slippage in virtually all drilling operations. It is especially beneficial in directional and horizontal drilling applications when downhole motors are utilized.

Features / Benefits

- + Reduces overall friction during drilling operation
- + Dramatically increases rate of penetration (ROP)
- + Keeps drill string free from sticking and slippage
- + Enhances tool face control
- + Improves weight transfer to bit by exerting axial vibration
- + Prolong bit life which means fewer trips
- + Compatible with all drilling systems and downhole tools
 - + Makes drilling operations faster, easier and extends the lateral reach.
- + Enables depth control in horizontal, multilateral and coil





Specifications

English Units

Size	O.D.	Length	Flow Rate	Frequency	Temperature	Differential Pressure	Max. Tension
	in	in	gpm	Hz	F ^o	psi	lbs
287	2-7/8"	82-5/8"	31.7-87	21 @48gpm	< 302 ^o	290-653	78,009
287X	2-7/8"	96"	79-127	9@119gpm	< 302 ^o	290-653	78,009
475	4-3/4"	110-1/4"	143-270	18@254gpm	< 302 ^o	290-653	353,625
500	5"	135"	150-270	16@254gpm	< 302 ^o	290-653	353,625
500X	5"	135"	250-330	16@254gpm	< 302 ^o	290-653	353,625
650I	6-1/2"	208-5/8"	317-555	17@476gpm	< 302 ^o	290-653	692,412
650II	6-1/2"	135-7/8"	317-555	17@476gpm	< 302 ^o	290-653	692,412

SI Units

Size	O.D.	Length	Flow Rate	Frequency	Temperature	Differential Pressure	Max. Tension
	mm	mm	L/s	Hz	C ^o	Mpa	kN
287	73	2,100	2-5.5	21 @3L/s	< 150 ^o	2-4.5	347
287X	73	2,440	5-8	9@7.5L/s	< 150 ^o	2-4.5	347
475	120	2,800	9-17	18@16L/s	< 150 ^o	2-4.5	1,573
500	127	3,430	9-17	16@16L/s	< 150 ^o	2-4.5	1,573
500X	127	3,430	15-20	16@16L/s	< 150 ^o	2-4.5	1,573
650I	165	5,300	20-35	17@30L/s	< 150 ^o	2-4.5	3,080
650II	165	3,450	20-35	17@30L/s	< 150 ^o	2-4.5	3,080