Indented Foundation Bolts

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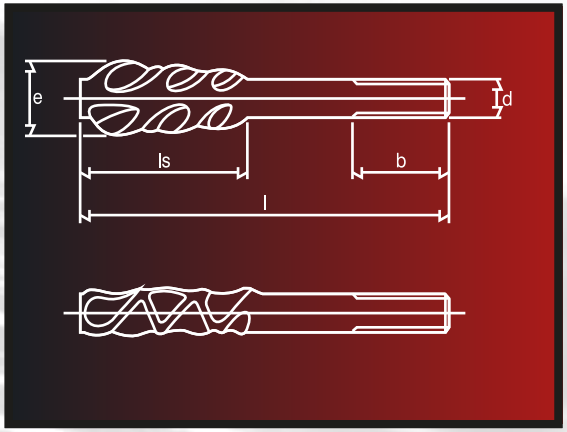
Imperial indented foundation bolting (IFB) to BS.1494 was made obsolete, no equivalent was issued and therefore, when they were converted over to metric sizes, they were replaced by and manufactured in accordance with DIN.529, Type-E.

Bolt Drawing



Grades Available

All standard stocks are supplied in a M.S (Mild Steel 4.6) Grades, however , any material can be catered for including Stainless Steel, Alloy Steel (EN8, 8.8, EN24) and most non-ferrous exotic materials.

Dimensions

Diameter d	Thread Length b	Body Length ls	Body Diameter e	Recmmended Embedment Lengths		
				Static Loads	Live Loads	Heavy Vibration
M10	25	50	20	65	80	90
M12	30	60	24	78	96	108
M16	40	80	32	104	128	144
M20	50	100	40	130	160	180
M24	60	120	48	156	192	216
M30	75	150	60	195	240	270

Installation Methods

The best results are obtained when IFB's are placed in situ when the concrete is poured. When this is not possible or when fitting to existing structures, the hole required should be 5-10mm larger than the maximum diameter (E), and not less than 10mm deeper than the portion of embedment (D).
The prepared grout mixture should then be poured into the cavity and the bolt inserted, ensuring that the bolt is rotated to released trapped air pockets.
It is important to allow the grouting mix to set thoroughly before loading the bolt.