



## ELOCONE NUTS

**Elocones are special elongated nuts that can be used to correct problems encountered when the anchor rods are installed without enough projection above the concrete foundation.**



*Standard nut (right) with insufficient anchor rod*



*Elocone nut (right) as a corrective*

These nuts are fabricated by machining a piece of high strength steel into two distinct forms. The upper part is formed according to heavy hex nut standard dimensions. The lower part has a smaller smooth exterior diameter able to fit an oversized hole and screw on to the improperly installed anchor rod's threads within the thickness of the base plate. Both forms are joined by a tapered transition which will bear on the plate washer.

The Elocone plate washer, a special washer made with a fitted bevel hole to allow uniform bearing of the tapered transition, can be provided with the Elocone nut. Refer to the Elocone Plate Washer flyer for more information. Note that the Elocone plate washers are sold separately.



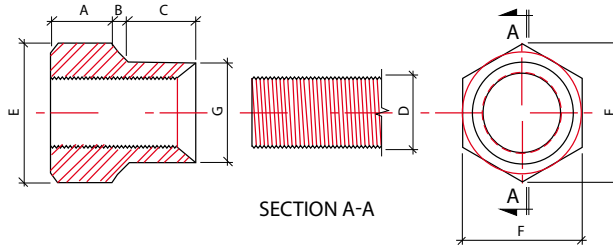
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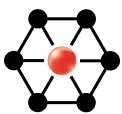
## Elocone Nut Properties and Dimensions

In order to develop the tension capacity of an anchor made of steel with a tensile strength of 1,035 MPa (150 ksi), the Elocone nuts must be fastened to the anchor rod for a length equal to the diameter of the rod. The table below summarizes the standard Elocone nuts properties and dimensions. Note that dimensions can change without notice.

Hardness 32-36 HRC  
Elocone Steel  $F_y = 965 \text{ MPa}$  (140 ksi)



Part number	Anchor rod diameter (in.)	Outside diameter of narrow bottom part (in.)	Upper nut length (in.)	Transition length (in.)	Length of narrow bottom part (in.)	Elocone nut overall length (in.)	Dimension across corners of upper nut (in.)	Dimension across flats of upper nut (in.)	Net weight (lb.)	Number of threads per inch and size of threads (UNC)
	D	G	A	B	C	A+B+C	E	F		
HBA-0019	0.750	1.000	0.688	0.125	0.688	1.500	1.443	1.250	0.3	10
HBA-0041	0.750	1.000	0.688	0.125	1.125	1.938	1.443	1.250	0.3	10
HBA-0023	0.750	1.000	0.688	0.125	1.438	2.250	1.443	1.250	0.4	10
HBA-0040	0.750	1.000	0.688	0.125	2.000	2.813	1.443	1.250	0.4	10
HBA-0024	0.875	1.180	0.781	0.156	1.000	1.938	1.660	1.438	0.5	9
HBA-0020	1.000	1.333	0.917	0.146	1.000	2.063	1.876	1.625	0.6	8
HBA-0047	1.000	1.333	0.917	0.146	1.500	2.563	1.876	1.625	0.7	8
HBA-0042	1.000	1.333	0.917	0.146	2.000	3.036	1.876	1.625	0.8	8
HBA-0076	1.000	1.333	0.917	0.146	2.500	3.563	1.876	1.623	1.0	8
HBA-0027	1.125	1.500	1.000	0.188	1.125	2.313	2.093	1.813	0.9	7
HBA-0021	1.250	1.688	1.188	0.188	1.250	2.625	2.309	2.000	1.3	7
HBA-0025	1.250	1.688	1.188	0.188	2.250	3.625	2.309	2.000	1.6	7
HBA-0026	1.375	1.830	1.233	0.205	1.500	2.938	2.526	2.188	1.6	6
HBA-0022	1.500	2.000	1.375	0.188	1.500	3.063	2.742	2.375	2.1	6
HBA-0066	1.500	2.000	1.375	0.188	2.000	3.563	2.742	2.375	2.3	6
HBA-0062	1.750	2.350	1.688	0.178	2.634	4.500	3.125	2.706	3.8	5
HBA-0049	1.750	2.350	1.688	0.178	4.134	6.000	3.125	2.706	5.2	5
HBA-0054	2.000	2.690	1.938	0.218	2.345	4.500	3.594	3.125	5.3	4.5
HBA-0053	2.250	3.020	2.188	0.240	2.573	5.000	4.031	3.500	7.8	4.5
HBA-0051	2.500	3.360	2.438	0.220	2.843	5.500	4.375	3.800	10.3	4



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