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Data Sheet 3 Standard Screw Stock

This Data Sheet gives details of our "ex stock" and "short order" range of Screws and Nuts. It will be helpful in deciding the best size of screw and nut for your application to have our **Data Sheet 2 - Power Screw Products** to hand. **Data Sheet 2** includes two **Screw Selection** tables; Table 1 provides a guide to screw size and thread pitch required for a known load and linear speed. Table 2 shows maximum load recommended to avoid buckling when screw is in compression.

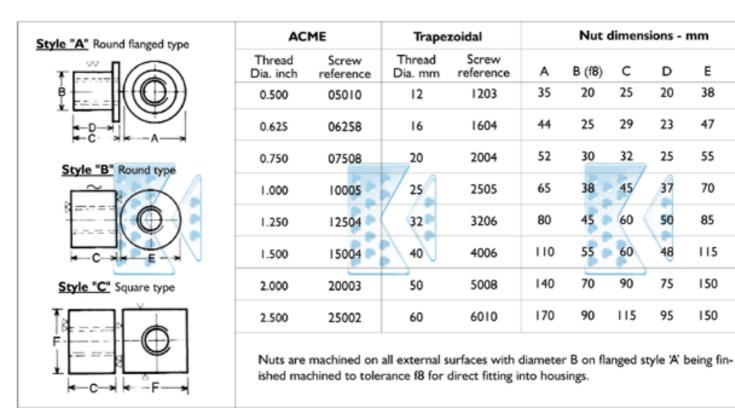
Both tables show recommended maximum values based on Steel Screws and Phosphor Bronze, or Cast Iron Nuts, with good surface finish to all thread flank faces and a factor of safety of 2.1. In practice it is advisable to keep well inside these recommended maximum figures. For Screws and Nuts outside the range of the tables, or any other assistance, please refer to our **Technical Sales staff on +44 (0)1482 325676**, who will be pleased to advise.

All of our most popular sizes, as shown below, are available "ex stock". All other British Standard recommended sizes up to 200 mm diameter (8") are available on "short order" to suit your reasonable requirements.

Screws - Manufactured from specially produced precision ground medium carbon steel similar to 080M40. Class of fit: - 3G Acme, Class 8e Trapezoidal. All screws available from a minimum length and in steps of: - Acme -3 ft; Trapezoidal - 500mm, but let us know minimum length required and we will endeavour to supply with zero waste. Left and Right hand Screw Threads available.

ACME Thread - inch dimensions (nominal)						Trapezoidal Thread - mm dimensions (nominal)					
Order	А	TPI	R	Length - feet		Order		Р	R	Length - metres	
No.				Standard	Maximum*	No.	Α	r	Γ.	Standard	Maximum*
05010	0.500	10	0.40	3	9	1203	12	3	9	1	3
06258	0.625	8	0.50	5	9	1604	16	4	12	1.5	3
07508	0.750	8	0.63	5	15	2004	20	4	16	1.5	5
10005	1.000	5	0.80	8	15	2505	25	5	20	2.5	5
12504	1.250	4	1.00	8	15	3206	32	6	26	2.5	5
15004	1.500	4	1.25	10	15	4006	40	6	34	3	5
20003	2.000	3	1,67	10	15	5008	50	8	42	₽3	5
25002	2.500	2	2.00	12	15	6010	60	10	50	3.5	5
*Norm	al maxim	um length.	For longer le	ngths, seam	less joined so	rews or spe	cial materia	ls contact o	our Technical St	aff	
						TPI -	TPI - Threads per inch		Ordering:- Examples 12 off 20003RH x 3 foot long 6 off 4006LH x 4.5 metres long		
						P - Pitch L - Length			NB: Right hand thread and standard length screws will be supplied unless specified otherwise		
						Full range of Power Nuts to suit overleaf					

We offer "ex stock" our three most popular Styles of Power Nuts to suit our Standard Stock range of Power Screws. Each of these styles are available in Phosphor Bronze (PB) or Cast Iron (CI); the materials most recommended to run trouble free on Steel Screws.



To order a Nut, place the **Style letter** in front of the Screw reference number, **material abbreviation** after it, followed by LH if left handed thread required. Examples: - 3 off B3206CI; 12 off C12504PB; 20 off A07508PB LH and 50 off A1203CI LH.

D

Ε

F

NB All threads will be assumed to be **Right-Hand** unless stated otherwise. If a **Left-Hand** thread is required please state **LH** after order number as shown.

In addition to the above we offer on "Short Order": - Nuts in hexagon style and from alternative materials such as steel or plastic, and 'light body' versions of "B" and "C" styles where subsequent machining is not required, all suitable for the Standard Stock range of Screws.

Using and Modifying



Specials - If the standard range of Screws and Nuts doesn't satisfy your application see our **Data Sheet 2 - Power Screw Products** or contact our Technical Sales staff to discuss your requirements.