



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



8310165941 / 9959457863



sales@royalfastenersindia.com



www.royalfastenersindia.com



TECHNICAL DATA SHEET

ULTRA LOW PROFILE TORX 6-LOBE SCREW



MATERIAL- STAINLESS STEEL

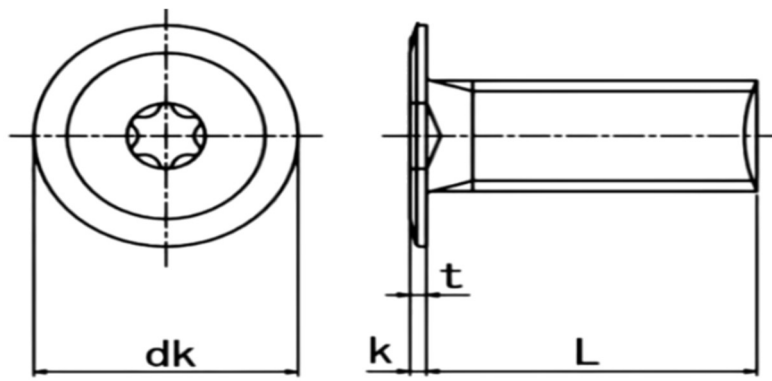
GRADE-SS316 (A4-70)

AS PER-NON-STANDARD

CATALOGUE NO. R6F85

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF ULTRA LOW PROFILE TORX SCREW AND MATCHING TORX DRIVER OR BIT (T-SIZE).
- ENSURE THE MATING HOLE OR THREAD IS CLEAN AND FREE FROM DUST, OIL, OR DEBRIS.
- ALIGN THE COMPONENTS TO BE FASTENED IN THE CORRECT POSITION.
- INSERT THE ULTRA LOW PROFILE TORX SCREW INTO THE HOLE BY HAND TO START THREADING.
- PLACE THE TORX DRIVER FIRMLY INTO THE STAR-SHAPED RECESS OF THE SCREW HEAD.
- TURN THE DRIVER CLOCKWISE TO TIGHTEN THE SCREW EVENLY AND SECURELY.
- APPLY STEADY, CONTROLLED FORCE TO PREVENT CAM-OUT OR DAMAGE TO THE TORX RECESS.
- DO NOT OVERTIGHTEN TO AVOID STRIPPING THE THREADS OR DAMAGING THE SURFACE.
- ENSURE THE LOW-PROFILE HEAD SITS FLAT AND FLUSH WITH THE MATERIAL SURFACE AFTER INSTALLATION.
- USE A TORQUE DRIVER IF SPECIFIC TORQUE VALUES ARE REQUIRED.
- INSPECT THE FINAL INSTALLATION TO CONFIRM THE SCREW IS PROPERLY SEATED AND FIRMLY SECURED.



Parameter↓	Size→	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0
Head Dia (dk)	Max	4.00	6.00	7.00	8.00	9.00	12.00
Head Thickness k	Min	0.50	0.60	0.80	0.90	1.00	1.20
	Max	0.60	0.70	0.90	1.00	1.15	1.35
Slot Depth (t)		0.40	0.50	0.75	0.90	1.00	1.20
Tool	Size	T4	T5	T6	T8	T10	T20
Max. Tightening Torque Nm		0.15	0.30	0.60	1.50	3.10	5.00

Quote the PART NUMBER given below with your order/ inquiries:

All Dimensions in mm

Length ↓	Dia →	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0
3		R6F8502003					
4		R6F8502004	R6F8520504	R6F8503004			
5		R6F8502005	R6F8520505	R6F8503005	R6F8504005		
6		R6F8502006	R6F8520506	R6F8503006	R6F8504006	R6F8505006	
8		R6F8502008	R6F8520508	R6F8503008	R6F8504008	R6F8505008	R6F8506008
10		R6F8502010	R6F8520510	R6F8503010	R6F8504010	R6F8505010	R6F8506010
12		R6F8502012	R6F8520512	R6F8503012	R6F8504012	R6F8505012	R6F8506012
14		R6F8502014	R6F8520514	R6F8503014	R6F8504014	R6F8505014	R6F8506014
16		R6F8502016	R6F8520516	R6F8503016	R6F8504016	R6F8505016	R6F8506016
18		R6F8502018	R6F8520518	R6F8503018	R6F8504018	R6F8505018	R6F8506018
20		R6F8502020	R6F8520520	R6F8503020	R6F8504020	R6F8505020	R6F8506020
22			R6F8520522	R6F8503022	R6F8504022	R6F8505022	R6F8506022
25			R6F8520525	R6F8503025	R6F8504025	R6F8505025	R6F8506025
28				R6F8503028	R6F8504028	R6F8505028	R6F8506028
30				R6F8503030	R6F8504030	R6F8505030	R6F8506030
35					R6F8504035	R6F8505035	R6F8506035
40					R6F8504040	R6F8505040	R6F8506040
45						R6F8505045	R6F8506045
50						R6F8505050	R6F8506050

Sizes in BLUE are non-preferred. Availability is limited and MOQ is applied

Data is strictly informative

Note: All Austenitic Stainless-Steel Fasteners may exhibit some Magnetic Properties due to the Manufacturing Process.

Refer: ISO 3506-2 Annex F