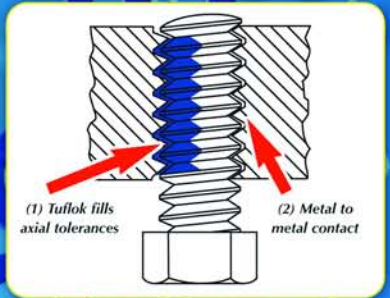




FOUNDED 1925®



The Tuflok process consists of fusing the Blue Nylon 11 material onto a defined area of the male thread surface.

Upon installation into the female threaded component, the nylon material is compressed filling the axial tolerances between the threads (1).

The Tuflok process creates a strong metal to metal radial loading on the flanks of the mating thread forms (2), which provides the locking action.

TUFLOK® 180°

SOCKET CAP SCREWS

Tuflok 180 is a blue nylon patch permanently fused to the screw thread. This process provides excellent vibration resistance and torque performance for all applications requiring controlled loading and re-usability.

Tuflok is effective, whether or not the fastener is fully seated, making it ideal for applications where continual adjustment is required.

INDUSTRY APPROVALS

The Tuflok product is approved to a wide range of industry standards including: DIN 267 part 28, BS 7715:1994, IFI 524, General Motors, Ford WA970, Jaguar JFS.02.01.04

ADVANTAGES

- Re-useable
- Anti-vibrational
- Engineered torque flexibility
- Eliminates secondary locking features such as nuts, washers, etc
- Automatically locks in any position
- Non Curing
- Resistant to chemicals like alcohol, petroleum, oil, kerosene, diesel fuel and hydraulic fluids



TUFLOK® 180°

SOCKET HEAD CAP SCREW DIN 912 12•9

Diameter	Length	Box	Weight	Code
M3 KEY SIZE 2.5mm A/F 0.5p	6	200	0.067	542004
	8	200	0.076	542006
	10	200	0.084	542008
	12	200	0.091	542010
	16	200	0.108	542012
	20	200	0.132	542014

Diameter	Length	Box	Weight	Code
M4 KEY SIZE 3mm A/F 0.7p	8	200	0.151	542022
	10	200	0.167	542024
	12	200	0.181	542026
	16	200	0.205	542028
	20	200	0.239	542030
	25	200	0.284	542032
	30	200	0.329	542034

Diameter	Length	Box	Weight	Code
M5 KEY SIZE 4mm A/F 0.8p	10	200	0.283	542050
	12	200	0.317	542052
	16	200	0.369	542054
	20	200	0.412	542056
	25	200	0.475	542058
	30	100	0.542	542060
	35	100	0.615	542062
	40	100	0.687	542064
50	100	0.831	542068	

Diameter	Length	Box	Weight	Code
M6 KEY SIZE 5mm A/F 1.0p	10	100	0.423	542074
	12	100	0.460	542076
	16	100	0.556	542078
	20	100	0.614	542080
	25	100	0.680	542082
	30	100	0.814	542084
	35	100	0.912	542086
	40	100	1.025	542088
	45	100	1.129	542090
	50	100	1.237	542092
	60	100	1.439	542096
	70	100	1.634	542100
80	100	1.854	542560	

Diameter	Length	Box	Weight	Code
M8 KEY SIZE 6mm A/F 1.25p	16	100	1.153	542110
	20	100	1.288	542112
	25	100	1.411	542114
	30	100	1.559	542116
	35	100	1.769	542118
	40	100	1.962	542120
	45	100	2.169	542122
	50	100	2.363	542124
	55	100	2.545	542126
	60	100	2.746	542128
	65	50	2.925	542130
	70	50	3.096	542132
	75	50	3.285	542134
	80	50	3.439	542136
	90	50	3.830	542138
	100	50	4.378	542140

Diameter	Length	Box	Weight	Code
M10 KEY SIZE 8mm A/F 1.5p	20	100	2.210	542148
	25	100	2.452	542150
	30	100	2.631	542152
	35	50	2.895	542154
	40	50	3.239	542156
	45	50	3.521	542158
	50	50	3.832	542160
	55	50	4.135	542162
	60	50	4.438	542164
	65	50	4.742	542166
	70	50	5.019	542168
	75	50	5.324	542170
	80	50	5.572	542172
	90	25	6.201	542174
	100	25	6.753	542176

tested tried & true®





TUFLOK® 180°

SOCKET HEAD CAP SCREW DIN 912 12•9

Diameter	Length	Box	Weight	Code
M12 KEY SIZE 10mm A/F 1.75p	25	50	3.522	542194
	30	50	3.887	542196
	35	50	4.233	542198
	40	50	4.504	542200
	45	50	5.054	542202
	50	50	5.456	542204
	55	50	5.847	542206
	60	25	6.300	542208
	70	25	7.210	542212
	75	25	7.580	542214
	80	25	8.021	542216
	90	10	8.894	542218
100	10	9.777	542220	

Diameter	Length	Box	Weight	Code
M16 KEY SIZE 14mm A/F 2.0p	30	25	7.886	542246
	35	25	8.527	542248
	40	25	9.180	542250
	45	25	9.860	542252
	50	25	10.580	542254
	55	25	11.380	542256
	60	10	12.160	542258
	70	10	13.600	542262
	80	10	15.200	542266
	90	10	16.695	542270
	100	10	18.220	542272

Diameter	Length	Box	Weight	Code
M20 KEY SIZE 17mm A/F 2.5p	50	10	18.260	542290
	60	10	20.620	542294
	70	10	22.320	542298
	80	5	25.640	542302
	90	5	27.700	542306
	100	5	30.120	542308



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Product	Colour	Type	Max Patch Length	Standard Patch Length	Standard Patch Lead	Storage Life at Ambient Conditions	Operating Temp (°C)	Re-Usability	Size Range
Tuflok	Blue	Nylon	40mm	4-6 Pitch	1-2 Pitch Lead	Indefinite	-56 + 120	>5	M1-M30

STANDARD TORQUE CHARACTERISTICS

Thread Sizes	First Installation		First Removal		Fifth Removal	
	Prevailing Torque Max.		Min.		Min.	
	ibf/in	Nm	ibf/in	Nm	ibf/in	Nm
M1.6	0.900	0.100	0.100	0.010	0.035	0.004
M2	1.800	0.200	0.200	0.020	0.100	0.010
M2.5	3.500	0.400	0.400	0.050	0.300	0.030
M3	5.300	0.600	1.200	0.140	0.500	0.060
M3.5	8.000	0.900	1.900	0.220	1.000	0.110
M4	10.600	1.200	2.300	0.260	1.400	0.160
M5	20.400	2.300	3.200	0.360	2.000	0.230
M6	26.600	3.000	4.000	0.450	2.700	0.300
M8	88.500	10.000	8.000	0.900	5.100	0.580
M10	123.900	14.000	15.900	1.800	9.700	1.100
M12	185.900	21.000	23.000	2.600	13.300	1.500
M14	265.500	30.000	31.900	3.600	20.400	2.300
M16	354.000	40.000	44.200	5.000	30.000	3.400
M18-20	531.000	60.000	70.800	8.000	48.700	5.500
M22	663.800	75.000	92.900	10.500	61.900	7.000
M24	796.600	90.000	115.000	13.000	75.200	8.500



Torque Performance can be varied to suit specific application requirements. These figures may vary according to material specification and are intended as a guide.



BrightonBest

Socket Screw



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