



320-055/080
7/10

TECHNICAL DATA

MATERIAL

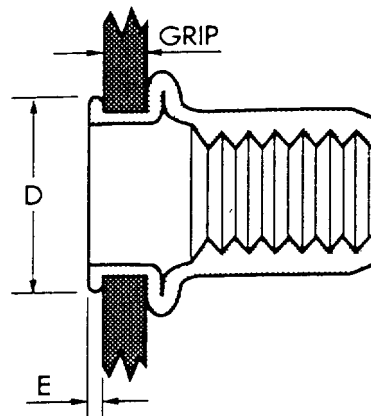
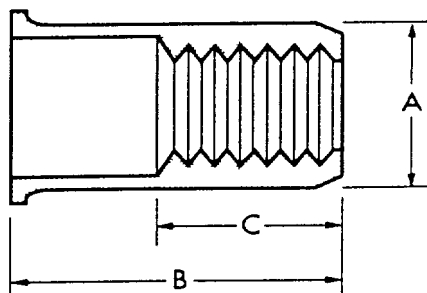
Low carbon steel
to B.S. 970-040 A04

FINISH

Zinc plated and passivated
to B.S. 3382

THIN SHEET NUTSERT

Commercial 9650 series



METRIC DIMENSIONS

Recommended hole size min / max	Grip Range min / max	A max.	B max.	C max.	D max.	E max.
7.14/7.23	0.51/3.00	7.11	11.81	6.10	8.00	0.51
9.53/9.61	0.76/3.25	9.50	14.60	8.51	10.67	0.76
10.60/10.68	0.91/3.25	10.57	16.00	9.27	11.68	0.76
9.53/9.61	0.76/3.25	9.50	14.60	8.51	10.67	0.76
10.60/10.68	0.91/3.25	10.57	16.00	9.27	11.68	0.76
6.35/6.44	0.51/2.00	6.32	10.41	6.35	6.86	0.51
7.14/7.23	0.51/3.00	7.11	11.81	6.10	8.00	0.51
9.53/9.60	0.76/3.25	9.50	14.60	8.51	10.67	0.76
9.53/9.61	0.76/3.25	9.50	14.60	8.51	10.67	0.76
10.60/10.68	0.91/3.25	10.57	16.00	9.27	11.68	0.76
6.35/6.44	0.51/2.00	6.32	10.41	6.35	6.86	0.51
6.35/6.44	0.51/2.00	6.32	10.41	6.35	6.86	0.51
7.14/7.23	0.51/3.00	7.11	11.81	6.10	8.00	0.51
9.53/9.61	0.76/3.25	9.50	14.60	8.51	10.67	0.76
10.60/10.68	0.91/3.25	10.57	16.00	9.27	11.68	0.76
6.35/6.44	0.51/2.00	6.32	10.41	6.35	6.86	0.51
6.35/6.44	0.51/2.00	6.32	10.41	6.35	6.86	0.51
7.14/7.23	0.51/3.00	7.11	11.81	6.10	8.00	0.51
4.75/4.84	0.51/1.50	4.72	9.02	5.47	5.84	0.38
6.35/6.44	0.51/2.00	6.32	10.41	6.48	6.86	0.51
7.14/7.23	0.51/3.00	7.11	11.81	6.23	8.00	0.51
9.53/9.61	0.76/3.25	9.50	14.60	8.64	10.67	0.76
10.60/10.68	0.91/3.70	10.57	16.00	10.03	11.68	0.76

Thread type & size

PART N°

IMPERIAL DIMENSIONS

Recommended hole size min / max	Grip Range min / max	A max.	B max.	C max.	D max.	E max.
281/284.5	0.020/118	.280	.465	.240	.315	.020
375/378.5	0.030/128	.374	.575	.335	.420	.030
417/420.5	0.036/128	.416	.630	.365	.460	.030
375/378.5	0.030/128	.374	.575	.335	.420	.030
417/420.5	0.036/128	.416	.630	.365	.460	.030
250/253.5	0.020/079	.249	.410	.250	.270	.020
281/284.5	0.020/118	.280	.465	.240	.315	.020
375/378.5	0.030/128	.374	.575	.335	.420	.030
375/378.5	0.030/128	.374	.575	.335	.420	.030
417/420.5	0.036/128	.416	.630	.365	.460	.030
250/253.5	0.020/079	.249	.410	.250	.270	.020
250/253.5	0.020/079	.249	.410	.250	.270	.020
281/284.5	0.020/118	.280	.465	.240	.315	.020
375/378.5	0.030/128	.374	.575	.335	.420	.030
417/420.5	0.036/128	.416	.630	.365	.460	.030
250/253.5	0.020/079	.249	.410	.250	.270	.020
250/253.5	0.020/079	.249	.410	.250	.270	.020
281/284.5	0.020/118	.280	.465	.240	.315	.020
187/190.5	0.020/059	.186	.355	.215	.230	.015
250/253.5	0.020/079	.249	.410	.255	.270	.020
281/284.5	0.020/118	.280	.465	.245	.315	.020
375/378.5	0.030/128	.374	.575	.340	.420	.030
417/420.5	0.036/146	.416	.630	.395	.460	.030

NOTE: Part numbers reversed white out of black are non-standard inserts and are subject to special quotation and delivery.

Thin Sheet Nutserts are supplied lubricated and must not be de-greased before use.

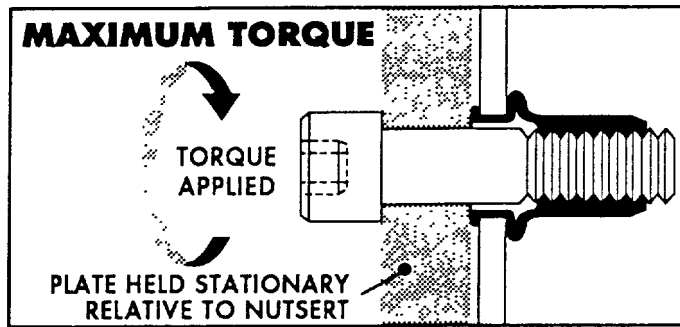
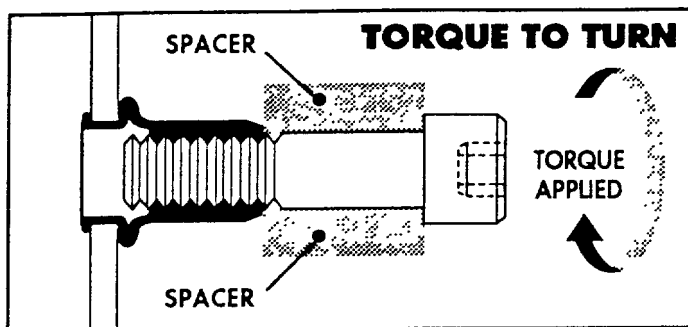
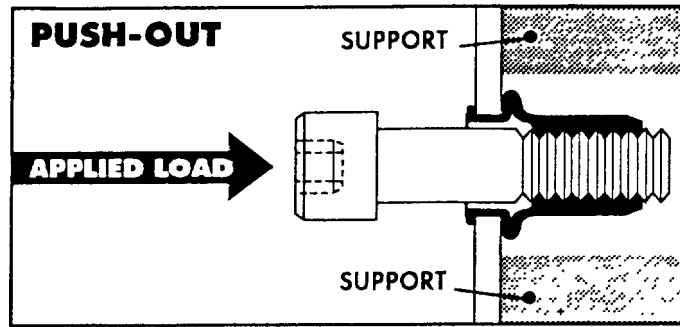
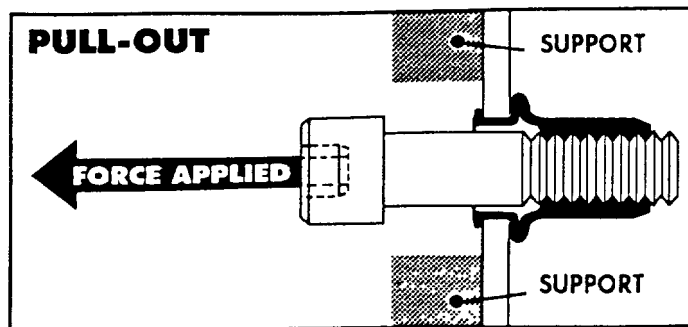
NUTSERT IS A REGISTERED TRADEMARK
AND THIN SHEET NUTSERT A TRADEMARK OF AVDEL SYSTEMS LIMITED
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DATA SHEET REFERENCE (9651c-9652b-9653d-9654b-9655c-9656b-9657d-9658d)

TSN9650/OCT 93

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PERFORMANCE DATA



The diagrams above illustrate the nature of the tests conducted to obtain typical strength figures below.

METRIC UNITS				Thread type & size	IMPERIAL UNITS			
PULL OUT N	PUSH OUT N	TORQUE TO TURN Nm	MAXIMUM TORQUE TO BE APPLIED TO BOLT Nm		PULL OUT lbf	PUSH OUT lbf	TORQUE TO TURN lbf/in ²	MAXIMUM TORQUE TO BE APPLIED TO BOLT lbf/in ² *
5693	1979	2.60	7.9	3/16 BSW	1280	445	23	70
6761	2491	3.39	12.4	1/4 BSW	1520	560	30	110
14,678	2811	3.50	16.4	5/16 BSW	3300	632	31	145
6761	2491	3.39	12.4	1/4 BSF	1520	560	30	110
14,678	2811	3.50	16.4	5/16 BSF	3300	632	31	145
4092	1379	1.92	5.1	4 BA	920	310	17	45
5693	1979	2.60	7.9	2 BA	1280	445	23	70
6761	2491	3.39	12.4	0 BA	1520	560	30	110
6761	2491	3.39	12.4	1/4 UNC	1520	560	30	110
14,678	2811	3.50	16.4	5/16 UNC	3300	632	31	145
4092	1379	1.92	5.1	6 UNC	920	310	17	45
4092	1379	1.92	5.1	8 UNC	920	310	17	45
5693	1979	2.60	7.9	10 UNC	1280	445	23	70
6761	2491	3.39	12.4	1/4 UNF	1520	560	30	110
14,678	2811	3.50	16.4	5/16 UNF	3300	632	31	145
4092	1379	1.92	5.1	6 UNF	920	310	17	45
4092	1379	1.92	5.1	8 UNF	920	310	17	45
5693	1979	2.60	7.9	10 UNF	1280	445	23	70
2758	867	.40	1.47	M3 x 0.5	620	195	3.5	13
4092	1379	1.92	5.1	M4 x 0.7	920	310	17	45
5693	1979	2.60	7.9	M5 x 0.8	1280	445	23	70
6761	2491	3.39	12.4	M6 x 1.00	1520	560	30	110
14,678	2811	3.50	16.4	M8 x 1.25	3300	632	31	145

* The hole clearance in the top sheet should not exceed the diameter of the bolt to be inserted by more than .020" (.5mm).