

MINIMUM NUMBER OF FASTENERS AND MOUNTING HOLES REQUIRED PER LETTER AND NUMBER FOR REMOVABLE LEGEND

MODIFIED SERIES	LETTER & NUMBER HEIGHT (mm)	METAL THICKNESS (mm)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9
			600	1.6	8	9	7	9	9	7	7	9	4	5	8	6	12	10	8	7	8	9	7	6	7	7	10	7	6	8	8	5	8	7	9	8	7	6
500	1.6	5	8	5	6	8	6	6	7	3	4	6	5	7	7	6	6	6	7	6	5	6	5	9	6	6	8	6	3	7	6	7	8	6	5	6	6	
450	1.6	5	6	5	6	8	6	5	7	3	4	6	5	7	7	6	6	6	6	6	5	6	5	9	5	4	8	6	3	7	5	7	6	6	5	6	6	
410	1.6	5	6	5	6	8	5	5	7	3	4	6	5	7	5	6	5	6	6	5	4	5	5	7	5	4	5	6	3	6	5	5	6	5	5	5	5	
375	1.6	5	5	4	5	5	4	5	5	3	3	5	4	7	5	4	5	4	5	5	4	5	5	7	5	4	5	4	3	5	5	7	6	5	4	5	5	
340	1.6	5	6	4	5	6	5	5	6	3	4	6	4	7	7	4	5	4	6	5	4	5	5	7	5	4	5	4	3	5	5	7	6	5	4	5	5	
300	1	5	5	4	5	6	4	4	6	3	3	5	4	7	5	4	5	4	6	5	4	5	5	7	5	4	5	4	3	5	5	5	5	4	4	5	4	
270	1	4	4	4	3	5	4	4	4	2	3	4	3	5	4	4	3	4	4	4	3	4	3	5	4	3	4	4	2	4	4	3	4	4	3	4	4	
250	1	4	4	4	3	5	4	4	4	2	3	4	3	5	4	4	3	4	4	4	3	4	3	5	4	3	4	4	2	4	4	3	4	4	3	4	4	
200	1	3	4	4	3	5	4	4	4	2	3	4	3	5	4	4	3	4	4	4	3	3	3	5	4	3	4	4	2	4	4	3	4	4	3	4	4	
150	1	3	4	3	3	5	4	3	4	2	3	4	3	4	4	4	3	3	4	4	3	3	3	5	4	3	4	4	2	4	4	3	5	3	3	4	3	

MODIFIED SERIES	LETTER HEIGHT (mm)	METAL THICKNESS (mm)	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
			450	1.6	7	7	5	7	6	5	7	7	6	7	7	4	9	6	6	7	7	4	5	5	6	5	8	6
375	1.6	6	5	4	5	5	5	7	6	5	6	6	3	9	6	4	5	5	4	5	5	6	5	8	5	5	5	
300	1	4	5	4	5	4	3	5	5	5	5	5	3	7	5	4	5	5	4	4	5	5	5	7	5	5	5	
250	1	4	5	4	5	4	3	5	5	4	5	5	3	6	4	4	5	5	3	4	5	4	3	5	4	4	5	
200	1	4	3	3	3	4	3	3	4	3	4	4	3	5	4	3	3	3	3	3	4	4	4	3	5	4	4	4
150	1	3	3	3	3	4	2	3	4	3	3	4	2	5	4	4	3	3	3	3	4	2	3	3	5	4	3	4
115	1	4	3	3	3	4	2	3	4	3	3	4	2	6	4	4	3	3	3	3	2	3	3	5	4	3	4	

NOTES:

Tables are provided to determine the minimum number of fasteners (and drilled holes for fasteners) required for a single cutout letter or number. Letters and numbers shall be sheet aluminum of the thickness shown in table. Sheet aluminum shall be ATSM B-209, Alloy 3003-H14. Fasteners shall be 3 mm diameter, aluminum, domed head, front entry self plugging, expanding Rivet, ATSM B 316, Alloy 2017-F (B),(C),(G), or 2117-F (B),(C),(G).

STANDARD SERIES	LETTER & NUMBER HEIGHT (mm)	METAL THICKNESS (mm)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9
			SERIES 'B'-100	1	3	2	2	2	2	2	3	4	2	2	4	2	4	4	2	2	2	3	2	2	3	3	4	4	3	2	2	2	2	2	3	2	2	2
SERIES 'C'-100	1	3	2	2	2	4	2	2	4	2	2	4	3	4	4	2	2	2	4	2	2	3	3	4	4	3	2	2	2	2	2	3	2	2	2	2	2	2
SERIES 'C'-200	1	3	4	4	4	5	4	4	4	2	3	4	3	5	4	4	4	4	4	4	3	4	3	5	4	3	4	4	2	4	4	3	4	4	3	4	4	4
SERIES 'D'-100	1	3	2	2	2	2	2	2	4	2	2	4	2	4	4	2	2	2	3	2	2	3	3	4	4	3	2	2	2	2	2	3	2	2	2	2	2	2
SERIES 'D'-200	1	3	4	4	4	5	4	4	4	2	3	4	3	5	4	4	4	4	4	4	3	3	3	5	4	3	4	4	2	4	4	3	4	4	3	4	4	4

DSNR: OPER: SVB SCALE: 1:1991/97362/SIGNING/STANDARDS/TE690SI.DGN 11-19-2001/4:41:05 LAST REV: 1-25-2002 BY: svb

ALL DIMENSIONS ARE IN MILLIMETERS.

3				
2				
1				
NO.	DATE	REVISION	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
FASTENERS FOR
REMOVABLE LEGEND
LETTERS & NUMBERS

TE690SI 2-4-93

DESIGNED	APP'D	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.