





General Purpose Strain Gages - Shear/Torque Patterns

FEATURES

- Gage patterns designed for measuring shear strain and torque
- Individual and multiple grid patterns
- Gage lengths from 0.062 in (1.57mm) to 0.250 in (6.35mm)

GAGE PATTERN <small>Actual size shown. Enlarged when necessary for definition.</small>		GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX.	RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified.	OPTIONS AVAILABLE
ES = Each section S = Section (S1= Sec 1) M = Matrix	CP = Complete pattern	<div>inch millimeter</div>		







062DL				45° torque gage. See 062DW pattern for higher resistance version of this pattern. See also 062DR pattern.		
 						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-062DL-060 ED-DY-062DL-175 WA-XX-062DL-060 WK-XX-062DL-175 SA-XX-062DL-060 SK-XX-062DL-175 SD-DY-062DL-175 WD-DY-062DL-175	60 ± 0.15% 175 ± 0.4% 60 ± 0.3% 175 ± 0.3% 60 ± 0.3% 175 ± 0.3% 175 ± 0.8% 175 ± 0.8%	E, L, LE E, L*, LE*
0.062	0.175	0.066	0.055			
1.57	4.45	1.68	1.40			
MATRIX SIZE	0.30L x 0.15W		7.6L x 3.8W			

062DR				45° torque gage. Similar to 062DL pattern but with opposite grid angle.		
 						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-062DR-060 ED-DY-062DR-175 WA-XX-062DR-060 WK-XX-062DR-175 SA-XX-062DR-060 SK-XX-062DR-175 SD-DY-062DR-175 WD-DY-062DR-175	60 ± 0.15% 175 ± 0.4% 60 ± 0.3% 175 ± 0.3% 60 ± 0.3% 175 ± 0.3% 175 ± 0.8% 175 ± 0.8%	E, L, LE E, L*, LE*
0.062	0.175	0.066	0.055			
1.57	4.45	1.68	1.40			
MATRIX SIZE	0.30L x 0.15W		7.6L x 3.8W			

*Options available but not normally recommended. See Gage Series and Optional Features datasheet for details.








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GAGE PATTERN		Actual size shown. Enlarged when necessary for definition.		GAGE DESIGNATION		RES. IN OHMS		OPTIONS AVAILABLE	
ES = Each section S = Section (S1= Sec 1) M = Matrix				<div>inch</div> <div>millimeter</div>		Insert desired S-T-C number in spaces marked XX.		Tolerance is increased when Option W, E, SE, LE, or P is specified.	
<div>062DW</div> <div><div></div><div></div></div> <div>1X2X</div>						45° torque gage. Similar to 062DL pattern except for grid resistance. See also 062DY pattern.			
GAGE LENGTH		OVERALL LENGTH		GRID WIDTH		OVERALL WIDTH		EA-XX-062DW-120 ED-DY-062DW-350 WA-XX-062DW-120 WK-XX-062DW-350 SA-XX-062DW-120 SK-XX-062DW-350 SD-DY-062DW-350 WD-DY-062DW-350	
0.062		0.175		0.055		0.055		120 ± 0.15% 350 ± 0.4% 120 ± 0.3%	
1.57		4.45		1.40		1.40		350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 350 ± 0.8% 350 ± 0.8%	
MATRIX SIZE		0.30L x 0.15W		7.6L x 3.8W				E, L, LE E, L*, LE*	
<div>062DY</div> <div><div></div><div></div></div> <div>1X2X</div>						45° torque gage. Similar to 062DW pattern but with opposite grid angle.			
GAGE LENGTH		OVERALL LENGTH		GRID WIDTH		OVERALL WIDTH		EA-XX-062DY-120 ED-DY-062DY-350 WA-XX-062DY-120 WK-XX-062DY-350 SA-XX-062DY-120 SK-XX-062DY-350 SD-DY-062DY-350 WD-DY-062DY-350	
0.062		0.175		0.055		0.055		120 ± 0.15% 350 ± 0.4% 120 ± 0.3%	
1.57		4.45		1.40		1.40		350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 350 ± 0.8% 350 ± 0.8%	
MATRIX SIZE		0.30L x 0.15W		7.6L x 3.8W				E, L, LE E, L*, LE*	
<div>062TH</div> <div><div></div><div></div></div> <div>1X2X</div>						Two-element 90° torque gage. Sections are electrically independent. See also 062TV and 062TW patterns.			
GAGE LENGTH		OVERALL LENGTH		GRID WIDTH		OVERALL WIDTH		EA-XX-062TH-120 SA-XX-062TH-120 SK-XX-062TH-350	
0.062 ES		0.175 CP		0.055 ES		0.115 CP		120 ± 0.2% 120 ± 0.4% 350 ± 0.4%	
1.57 ES		4.45 CP		1.40 ES		2.92 CP		E, L, LE	
MATRIX SIZE		0.27L x 0.21W		6.9L x 5.3W					

*Options available but not normally recommended. See Gage Series and Optional Features datasheet for details.

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GAGE PATTERN				Actual size shown. Enlarged when necessary for definition.	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE	
ES = Each section S = Section (S1= Sec 1)				CP = Complete pattern M = Matrix	inch millimeter	Insert desired S-T-C number in spaces marked XX.	Tolerance is increased when Option W, E, SE, LE, or P is specified.	
<div>062TV</div> <div><div></div><div></div></div> <div>1X2X</div>					Two-element 90° torque gage. Similar to 062TH pattern except for resistance.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH					
0.062 ES	0.175 CP	0.055 ES	0.115 CP					
1.57 ES	4.45 CP	1.40 ES	2.92 CP					
MATRIX SIZE	0.27L x 0.21W		6.9L x 5.3W	EA-XX-062TV-350 SA-XX-062TV-350 SK-XX-062TV-500	350 ± 0.2% 350 ± 0.4% 500 ± 0.4%	E, L, LE		
<div>062TW</div> <div><div></div><div></div></div> <div>1X2X</div>					Two-element 90° torque gage. Similar to 062TH pattern except sections have a common solder tab.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH					
0.062 ES	0.175 CP	0.055 ES	0.115 CP					
1.52 ES	4.45 CP	1.40 ES	2.92 CP					
MATRIX SIZE	0.27L x 0.21W		6.9L x 5.3W	EA-XX-062TW-120 WK-XX-062TW-350 SA-XX-062TW-120 SK-XX-062TW-350	120 ± 0.2% 350 ± 0.4% 120 ± 0.4% 350 ± 0.4%	E, L, LE		
<div>062UV</div> <div><div></div></div> <div>C FEATURE</div>					Two-element 90° rosette for torque and shear-strain measurement. Sections have a common electrical connection. Exposed solder tab area is 0.04 x 0.07 in (1.0 x 1.8 mm).			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH					
0.062 ES	0.330 CP	0.063 ES	0.160 CP					
1.57 ES	8.38 CP	1.60 ES	4.06 CP					
MATRIX SIZE	0.42L x 0.23W		10.7L x 5.8W	CEA-XX-062UV-350 CEA-XX-062UV-500	350 ± 0.4% 500 ± 0.4%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available in Option P2 (preattached leadwire cables)		


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GAGE PATTERN		Actual size shown. Enlarged when necessary for definition.		GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
ES = Each section S = Section (S1= Sec 1) M = Matrix		<div>inch</div> <div>millimeter</div>		Insert desired S-T-C number in spaces marked XX.	Tolerance is increased when Option W, E, SE, LE, or P is specified.	
<div>090DW</div> <div></div> <div>1X2X</div>				45° torque gage. Larger version of 062DW pattern. See also 090DY pattern.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-090DW-120 EA-XX-090DW-350 WA-XX-090DW-120 WA-XX-090DW-350 WK-XX-090DW-350 SA-XX-090DW-120 SA-XX-090DW-350 SK-XX-090DW-350	120 ± 0.15% 350 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 350 ± 0.3%	E, L, LE E, L, LE
0.090	0.253	0.080	0.080			
2.29	6.43	2.03	2.03			
MATRIX SIZE		0.38L x 0.19W9.7L x 4.8W				
<div>090DY</div> <div></div> <div>1X2X</div>				45° torque gage. Similar to the 090DW pattern except opposite grid angle.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-090DY-120 EA-XX-090DY-350 WA-XX-090DY-120 WA-XX-090DY-350 WK-XX-090DY-350 SA-XX-090DY-120 SA-XX-090DY-350 SK-XX-090DY-350	120 ± 0.15% 350 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 350 ± 0.3%	E, L, LE E, L, LE
0.090	0.253	0.080	0.080			
2.29	6.43	2.03	2.03			
MATRIX SIZE		0.38L x 0.19W9.7L x 4.8W				
<div>090TW</div> <div></div> <div>1X2X</div>				Small two-element 90° torque gage. Both sections share a common tab.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-090TW-120 SK-XX-090TW-350	120 ± 0.2% 350 ± 0.4%	E, L, LE
0.093 ES	0.250 CP	0.083 ES	0.170 CP			
2.36 ES	6.35 CP	2.11 ES	4.32 CP			
MATRIX SIZE		0.37L x 0.27W9.4L x 6.9W				

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GAGE PATTERN Actual size shown. Enlarged when necessary for definition.		GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX.	RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified.	OPTIONS AVAILABLE
ES = Each section S = Section (S1 = Sec 1) M = Matrix	CP = Complete pattern	<div>inch millimeter</div>		




120NB				Full-bridge pattern for shear-strain measurement. Very compact geometry. All grids matched in gage factor and K_t for highest overall accuracy. See also 120NC pattern.		
				EA-XX-120NB-120 WK-XX-120NB-350 SA-XX-120NB-120 SK-XX-120NB-350	120 ± 0.3% 350 ± 0.6% 120 ± 0.6% 350 ± 0.6%	SE
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.120 ES	0.425 CP	0.150 ES	0.440 CP			
3.05 ES	10.80 CP	3.81 ES	11.18 CP			
MATRIX SIZE	0.47L x 0.47W		11.9L x 11.9W			

120NC				Full-bridge pattern for shear-strain measurement. Similar to 120NB pattern except for resistance.		
				EA-XX-120NC-350 SA-XX-120NC-350 SK-XX-120NC-10C	350 ± 0.3% 350 ± 0.6% 1000 ± 0.6%	SE
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.120 ES	0.425 CP	0.150 ES	0.440 CP			
3.05 ES	10.80 CP	3.81 ES	11.18 CP			
MATRIX SIZE	0.47L x 0.47W		11.9L x 11.9W			

125DL				45° torque gage. Similar to 125DR pattern but with opposite grid angle. See also 125DW pattern.		
				EA-XX-125DL-060 WA-XX-125DL-060 WK-XX-125DL-175 SA-XX-125DL-060 SK-XX-125DL-175	60 ± 0.15% 60 ± 0.3% 175 ± 0.3% 60 ± 0.3% 175 ± 0.3%	E, L, LE
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.125	0.350	0.110	0.110			
3.18	8.89	2.79	2.79			
MATRIX SIZE	0.48L x 0.20W		12.2L x 5.1W			




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GAGE PATTERN				GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
Actual size shown. Enlarged when necessary for definition.				Insert desired S-T-C number in spaces marked XX.	Tolerance is increased when Option W, E, SE, LE, or P is specified.	
ES = Each section CP = Complete pattern S = Section (S1= Sec 1) M = Matrix						
<div>inch</div> <div>millimeter</div>						
<div>125DR</div> <div></div>				45° torque gage. Similar to 125DL pattern but with opposite grid angle.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-125DR-060 WA-XX-125DR-060 WK-XX-125DR-175 SA-XX-125DR-060 SK-XX-125DR-175	60 ± 0.15% 60 ± 0.3% 175 ± 0.3% 60 ± 0.3% 175 ± 0.3%	E, L, LE
0.125	0.350	0.110	0.110			
3.18	8.89	2.79	2.79			
MATRIX SIZE	0.48L x 0.20W		12.2L x 5.1W			
<div>125DW</div> <div></div>				45° torque gage. Similar to 125DL pattern except for grid resistance. See also 125DY pattern.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-125DW-120 ED-DY-125DW-350 WA-XX-125DW-120 WK-XX-125DW-350 SA-XX-125DW-120 SK-XX-125DW-350	120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3%	E, L, LE E, L*, LE*
0.125	0.350	0.110	0.110			
3.18	8.89	2.79	2.79			
MATRIX SIZE	0.48L x 0.21W		12.2L x 5.3W			
<div>125DY</div> <div></div>				45° torque gage. Similar to 125DW pattern but with opposite grid angle.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-125DY-120 ED-DY-125DY-350 WA-XX-125DY-120 WK-XX-125DY-350 SA-XX-125DY-120 SK-XX-125DY-350	120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3%	E, L, LE E, L*, LE*
0.125	0.350	0.110	0.110			
3.18	8.89	2.79	2.79			
MATRIX SIZE	0.48L x 0.21W		12.2L x 5.3W			


*Options available but not normally recommended. See Gage Series and Optional Features datasheet for details.

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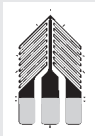
GAGE PATTERN Actual size shown. Enlarged when necessary for definition.		GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX.	RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified.	OPTIONS AVAILABLE
ES = Each section S = Section (S1= Sec 1) M = Matrix	CP = Complete pattern	<div>inch millimeter</div>		

125TH				Two-element 90° torque gage. Sections are electrically independent. See also 125TW and 125TK patterns.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.125 ES	0.350 CP	0.110 ES	0.230 CP			
3.18 ES	8.89 CP	2.79 ES	5.84 CP			
MATRIX SIZE	0.44L x 0.31W		11.2L x 7.9W	EA-XX-125TH-120 WA-XX-125TH-120 WK-XX-125TH-350 SA-XX-125TH-120 SK-XX-125TH-350	120 ± 0.2% 120 ± 0.4% 350 ± 0.4% 120 ± 0.4% 350 ± 0.4%	E, L, LE

125TK				High-resistance two-element 90° torque gage. Similar to 125TL pattern except sections are electrically independent. See also 125TH pattern.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.125 ES	0.320 CP	0.110 ES	0.225 CP			
3.18 ES	8.13 CP	2.79 ES	5.72 CP			
MATRIX SIZE	0.40L x 0.31W		10.2L x 7.9W	EA-XX-125TK-350 WA-XX-125TK-350 WK-XX-125TK-10C SA-XX-125TK-350 SK-XX-125TK-10C	350 ± 0.2% 350 ± 0.4% 1000 ± 0.4% 350 ± 0.4% 1000 ± 0.4%	E, L, LE

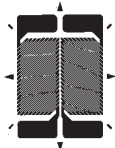

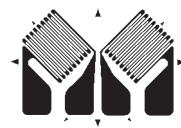
125TL				High-resistance two-element 90° torque gage. Sections share a common solder tab. See also 125TK and 125TW patterns.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.125 ES	0.320 CP	0.110 ES	0.225 CP			
3.18 ES	8.13 CP	2.79 ES	5.72 CP			
MATRIX SIZE	0.42L x 0.32W		10.7L x 8.1W	EA-XX-125TL-350 WA-XX-125TL-350 WK-XX-125TL-10C SA-XX-125TL-350 SK-XX-125TL-10C	350 ± 0.2% 350 ± 0.4% 1000 ± 0.4% 350 ± 0.4% 1000 ± 0.4%	E, L, LE

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GAGE PATTERN				Actual size shown. Enlarged when necessary for definition.	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE	
ES = Each section S = Section (S1= Sec 1) M = Matrix				<div>inch</div> <div>millimeter</div>	Insert desired S-T-C number in spaces marked XX.	Tolerance is increased when Option W, E, SE, LE, or P is specified.		
<div>125TR</div> <div></div>					Two-element 90° torque rosette. EK-Series gages are supplied with duplex copper dots (DD) when optional feature W or SE is not specified.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-125TR-120	120 ± 0.2%	W, E, L, LE W, E, L, LE SE W* W* W* W*		
				EA-XX-125TR-350	350 ± 0.2%			
				EK-XX-125TR-10C	1000 ± 0.2%			
				S2K-XX-125TR-10C	1000 ± 0.4%			
				WA-XX-125TR-120	120 ± 0.4%			
				WA-XX-125TR-350	350 ± 0.4%			
				WK-XX-125TR-350	350 ± 0.4%			
				WK-XX-125TR-10C	1000 ± 0.4%			
				SA-XX-125TR-120	120 ± 0.4%			
				SA-XX-125TR-350	350 ± 0.4%			
0.125 ES	0.276 CP	0.125 ES	0.392 CP	SK-XX-125TR-350	350 ± 0.4%			
3.18 ES	7.01 CP	3.18 ES	9.96 CP	SK-XX-125TR-10C	1000 ± 0.4%			
MATRIX SIZE	0.36L x 0.47W		9.1L x 11.9W					
<div>125TW</div> <div></div>					Two-element 90° torque gage. Similar to 125TH pattern except sections have a common solder tab.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	EA-XX-125TW-120	120 ± 0.2%	E, L, LE		
				WA-XX-125TW-120	120 ± 0.4%			
				WK-XX-125TW-350	350 ± 0.4%			
				SA-XX-125TW-120	120 ± 0.4%			
				SK-XX-125TW-350	350 ± 0.4%			
0.125 ES	0.350 CP	0.110 ES	0.230 CP					
3.18 ES	8.89 CP	2.79 ES	5.84 CP					
MATRIX SIZE	0.44L x 0.33W		11.2L x 8.4W					
<div>187UV</div> <div></div>					<div>'C' FEATURE</div>			Two-element 90° rosette for torque and shear-strain measurement. Sections have a common electrical connection. Exposed solder tab area is 0.13 x 0.08 in (3.3 x 2.0 mm).
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	CEA-XX-187UV-120	120 ± 0.4%	CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid. Available in Option P2 (preattached leadwire cables).		
				CEA-XX-187UV-350	350 ± 0.4%			
0.187 ES	0.560 CP	0.150 ES	0.320 CP					
4.75 ES	14.22 CP	3.81 ES	8.13 CP					
MATRIX SIZE	0.63L x 0.39W		15.9L x 9.8W					

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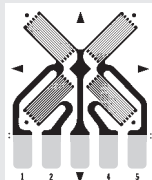
GAGE PATTERN				Actual size shown. Enlarged when necessary for definition.		GAGE DESIGNATION	RES. IN OHMS		OPTIONS AVAILABLE		
ES = Each section S = Section (S1= Sec 1)				CP = Complete pattern M = Matrix		inch millimeter	Tolerance is increased when Option W, E, SE, LE, or P is specified.				
250TK						Two-element 90° torque gage with compact geometry. Sections are electrically independent. See also 250TL pattern.					
						EA-XX-250TK-120 EA-XX-250TK-350 EA-XX-250TK10C WA-XX-250TK-120 WA-XX-250TK-350 WA-XX-250TK-10C WK-XX-250TK-350 WK-XX-250TK-10C WK-XX-250TK-30C SA-XX-250TK-120 SA-XX-250TK-350 SA-XX-250TK-10C SK-XX-250TK-350 SK-XX-250TK-10C SK-XX-250TK-30C		120 ± 0.2% 350 ± 0.2% 1000 ± 0.2% 120 ± 0.4% 350 ± 0.4% 1000 ± 0.4% 350 ± 0.4% 1000 ± 0.4% 3000 ± 0.4% 120 ± 0.4% 350 ± 0.4% 1000 ± 0.4% 350 ± 0.4% 1000 ± 0.4% 3000 ± 0.4%		E, L, LE E, L, LE E, L, LE	
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH								
0.250 ES	0.640 CP	0.220 ES	0.450 CP								
6.35 ES	16.26 CP	5.59 ES	11.43 CP								
MATRIX SIZE	0.74L x 0.55W		18.8L x 14.0W								
250TL						Two-element 90° rosette torque gage. Similar to the 250TK pattern except sections have a common electrical connection. EK-Series gages are supplied with duplex copper pads (DP) when optional feature SE is not specified.					
						EA-XX-250TL-350 EK-XX-250TL-10C WA-XX-250TL-350 WK-XX-250TL-10C SA-XX-250TL-350 SK-XX-250TL-10C		350 ± 0.2% 1000 ± 0.2% 350 ± 0.4% 1000 ± 0.4% 350 ± 0.4% 1000 ± 0.4%		E, L, LE SE	
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH								
0.250 ES	0.640 CP	0.220 ES	0.450 CP								
6.35 ES	16.26 CP	5.59 ES	11.43 CP								
MATRIX SIZE	0.74L x 0.55W		18.8L x 14.0W								
250TR						Two-element 90° rosette for shear-strain and torque measurements. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified.					
						EA-XX-250TR-120 EA-XX-250TR-350 EK-XX-250TR-10C S2K-XX-250TR-10C WA-XX-250TR-120 WA-XX-250TR-350 WK-XX-250TR-350 WK-XX-250TR-10C SA-XX-250TR-120 SA-XX-250TR-350 SK-XX-250TR-350 SK-XX-250TR-10C		120 ± 0.2% 350 ± 0.2% 1000 ± 0.2% 1000 ± 0.4% 120 ± 0.4% 350 ± 0.4% 350 ± 0.4% 1000 ± 0.4% 120 ± 0.4% 350 ± 0.4% 350 ± 0.4% 1000 ± 0.4%		W, E, L, LE W, E, L, LE W, SE W* W* W* W*	
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH								
0.250 ES	0.550 CP	0.250 ES	0.794 CP								
6.35 ES	13.97 CP	6.35 ES	20.17 CP								
MATRIX SIZE	0.70L x 0.96W		17.8L x 24.4W								

*Options available but not normally recommended. See Gage Series and Optional Features datasheet for details.



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ES = Each section S = Section (S1= Sec 1)		CP = Complete pattern M = Matrix		inch millimeter	Tolerance is increased when Option W, E, SE, LE, or P is specified.	

250US				Four-element full-bridge pattern for shear-strain measurement. Grids are spaced 90° apart, and 45° from pattern centerlines. Exposed solder tab area is 0.16 x 0.10 in (4.1 x 2.5 mm).		
				CEA-Series Strain Gages feature large copper solder tabs and a completely encapsulated grid.		
'C' FEATURE						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.250 ES	0.820 CP	0.120 ES	0.700 CP			
6.35 ES	20.83 CP	3.05 ES	17.78 CP			
MATRIX SIZE	0.96L x 0.80W		24.4L x 20.3W		CEA-XX-250US-120	120 ± 0.4%
					CEA-XX-250US-350	350 ± 0.4%