

## Transducer-Class® Strain Gages

GAGE PATTERN <small>Actual size shown. Enlarged when necessary for definition.</small>		GAGE DESIGNATION	RES. IN OHMS	STANDARD CREEP CODE
DIMENSIONS	<div>inch</div> <div>millimeter</div>			

				Single-element miniature shear pattern. †S199 and S112 patterns have 0.320 in (8.2 mm) overall length and slightly longer matrix.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.075	0.220†	0.060	0.075			
1.91	5.59†	1.52	1.91			
MATRIX SIZE	0.28 L x 0.14 W		7.1 L x 3.6 W			
				N2A-XX-S069P-350 J2A-XX-S199N-350 N2K-XX-S112Q-350/DP J5K-XX-S112Q-350/DP	350 ± 0.15% 350 ± 0.3% 350 ± 0.15% 350 ± 0.3%	P N Q Q


				Right-hand version of S112Q pattern.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.075	0.320	0.060	0.075			
1.90	8.13	1.52	1.90			
MATRIX SIZE	0.38 L x 0.19 W		9.6 L x 4.8 W			
				N2K-XX-S223Q-350 J5K-XX-S223Q-350	350 ± 0.15% 350 ± 0.3%	Q Q

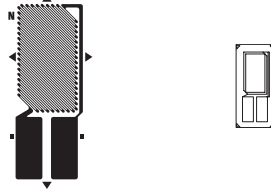
				Single-element shear patterns. Some slight dimensional variation with pattern. †J2A pattern has 0.42 in (10.7mm) overall length and slightly longer matrix.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.125	0.290†	0.105	0.105			
3.18	7.37†	2.67	2.67			
MATRIX SIZE	0.36 L x 0.18 W		9.1 L x 4.6 W			
				N2A-XX-S028T-175 N2A-XX-S088K-350 J2A-XX-S117R-175 J2A-XX-S091K-350 N2K-XX-S026Y-175/DP N2K-XX-S090R-350/DP N2K-XX-S089K-10C/DP TK-XX-S026Y-175/DP TK-XX-S090R-350/DP TK-XX-S089K-10C/DP	175 ± 0.15% 350 ± 0.15% 175 ± 0.3% 350 ± 0.3% 175 ± 0.15% 350 ± 0.15% 1000 ± 0.15% 175 ± 0.15% 350 ± 0.15% 1000 ± 0.15%	T K R K Y R K Y R K



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DIMENSIONS	<div>inch</div> <div>millimeter</div>			

				Right-hand versions of S091K and S090R patterns. †J2A pattern has 0.42 in (10.7mm) overall length and slightly longer matrix.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.125	0.290†	0.100	0.115			
3.18	7.37†	2.54	2.92			
MATRIX SIZE	0.36 L x 0.18 W		9.1 L x 4.6 W	J2A-XX-S149K-350 N2K-XX-S142R-350/DP TK-XX-S142R-350/DP	350 ± 0.3% 350 ± 0.15% 350 ± 0.15%	K R R

				Single-element shear pattern with tabs on one end.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.141	0.361	0.198	0.132			
3.58	9.17	5.03	3.35			
MATRIX SIZE	0.43 L x 0.20 W		10.9 L x 5.1 W	J2A-XX-S177N-350	350 ± 0.3%	N