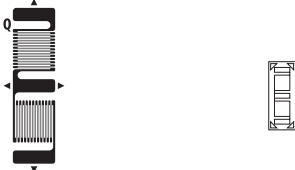
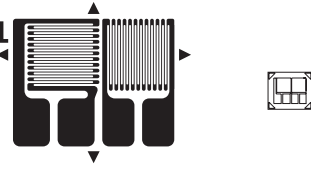


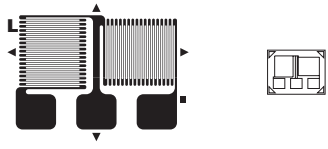


Transducer-Class® Strain Gages

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>			

				Often used on small column transducers.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.062	0.295	0.080	0.080			
1.57	7.49	2.03	2.03			
MATRIX SIZE	0.36 L x 0.14 W		9.0 L x 3.6 W	N2A-XX-S063Q-350	350 ± 0.2%	Q*

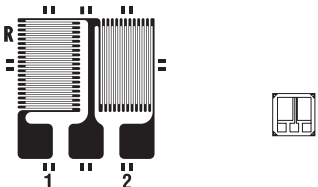
				General-purpose 90° 'tee' rosette.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.062	0.133	0.075	0.168			
1.57	3.38	1.91	4.27			
MATRIX SIZE	0.19 L x 0.23 W		4.9 L x 5.8 W	N2A-XX-S064L-350	350 ± 0.2%	L*


				Encapsulated 90° 'tee' rosettes.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.080	0.170	0.110	0.240			
2.03	4.32	2.79	6.10			
MATRIX SIZE	0.23 L x 0.30 W		5.9 L x 7.6 W	J2A-XX-S114L-350 J2A-XX-S152M-10C	350 ± 0.4% 1000 ± 0.4%	L M


*Only creep code available for this gage type.

Transducer-Class® Strain Gages

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

				Designed for low-cost, half-bridge transducers. †BAL is balanced to ± 0.2%, but RG is 350 ohms ± 15%. ‡BAL is balanced to ± 0.2%, but RG is 1000 ohms ± 15%.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	N2A-XX-S153R-35B N2A-XX-S150R-1KB	BAL ± 0.2%† BAL ± 0.2%‡	R* R*
GRID 1 0.060	0.180	GRID 1 0.120	0.175			
1.52	4.57	3.05	4.45			
MATRIX SIZE	0.22 L x 0.22 W		5.6 L x 5.6 W			

				Often used on column transducers.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.100	0.415	0.130	0.130			
2.54	10.54	3.30	3.30			
MATRIX SIZE	0.48 L x 0.19 W		12.2 L x 4.8 W			
				N2K-XX-S165V-10C/DP	1000 ± 0.2%	V

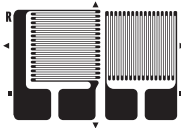

				Often used on column transducers.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.100	0.415	0.130	0.130			
2.54	10.54	3.30	3.30			
MATRIX SIZE	0.48 L x 0.19 W		12.2 L x 4.8 W			
				N2A-XX-S053P-350	350 ±0.2%	P

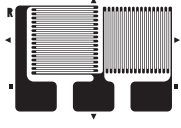

*Only creep code available for this gage type.

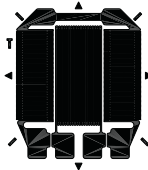



Transducer-Class® Strain Gages

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>			

 				General-purpose 90° 'tee' rosettes.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	N2A-XX-S054Y-350 N2K-XX-S145R-10C/DP TK-XX-S145R-10C/DP	350 ± 0.2% 1000 ± 0.2% 1000 ± 0.2%	Y R R
0.125	0.230	0.150	0.340			
3.18	5.84	3.81	8.64			
MATRIX SIZE	0.29 L x 0.40 W		7.4 L x 10.2 W			

 				Three-tab version of S145R pattern.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	N2K-XX-S146R-10C/DP TK-XX-S146R-10C/DP	1000 ± 0.2% 1000 ± 0.2%	R R
0.125	0.230	0.150	0.340			
3.18	5.84	3.81	8.64			
MATRIX SIZE	0.29 L x 0.40 W		7.4 L x 10.2 W			

 				Used on high-accuracy column load cells. (1) Gage length is 0.200 in (5.1mm). (2) Transverse gage length is 0.050 in (1.27mm).		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	N2A-XX-S167R-350 N2K-XX-S015T-350/DP N2K-XX-S184T-10C/DP TK-XX-S015T-350/DP TK-XX-S184T-10C/DP	350 ± 0.2% 350 ± 0.2% 1000 ± 0.2% 350 ± 0.2% 1000 ± 0.2%	R* T* T* T* T*
(1)	0.325	(2)	0.270			
(1)	8.26	(2)	6.86			
MATRIX SIZE	0.38 L x 0.33 W		9.6 L x 8.4 W			

*Only creep code available for this gage type.