

## Transducer-Class® Strain Gages

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

				Often used on small column transducers.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>			
0.062	0.295	0.080	0.080			
1.57	7.49	2.03	2.03			
<b>MATRIX SIZE</b>	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.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>			
0.062	0.133	0.075	0.168			
1.57	3.38	1.91	4.27			
<b>MATRIX SIZE</b>	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.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>			
0.080	0.170	0.110	0.240			
2.03	4.32	2.79	6.10			
<b>MATRIX SIZE</b>	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.

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				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%.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>				
GRID 1 0.060	0.180	GRID 1 0.120	0.175				
1.52	4.57	3.05	4.45				
<b>MATRIX SIZE</b>	0.22 L x 0.22 W		5.6 L x 5.6 W		N2A-XX-S153R-35B N2A-XX-S150R-1KB	BAL ± 0.2%† BAL ± 0.2%‡	R* R*

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

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

				General-purpose 90° 'tee' rosettes.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	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			
<b>MATRIX SIZE</b>	0.29 L x 0.40 W		7.4 L x 10.2 W			

				Three-tab version of S145R pattern.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	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			
<b>MATRIX SIZE</b>	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).		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	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			
<b>MATRIX SIZE</b>	0.38 L x 0.33 W		9.6 L x 8.4 W			

\*Only creep code available for this gage type.