

## Transducer-Class® Strain Gages

<b>GAGE PATTERN</b>	Actual size shown. Enlarged when necessary for definition		<b>GAGE DESIGNATION</b> See Note 1	<b>RES. IN OHMS</b>	<b>STANDARD CREEP CODE</b>	<b>ENCAPSULATION OPTION AVAILABLE</b>
	<b>DIMENSIONS</b>	<div style="display: flex; align-items: center; gap: 5px;"> <span>inch</span> <span style="border: 1px solid black; padding: 2px;">millimeter</span> </div>				

				Miniature high-resistance pattern.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2K-XX-S118M-10C/DP TK-XX-S118M-10C/DP	1000 ± 0.2% 1000 ± 0.2%	M M	E2 E2
0.031	0.08	0.062	0.062				
0.78	2.0	1.57	1.57				
<b>MATRIX SIZE</b>	0.23 L x 0.16 W		5.8 L x 4.1 W				

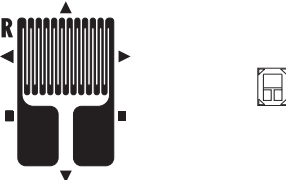
				Miniature high-resistance pattern.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2K-XX-S065R-10C/DP TK-XX-S065R-10C/DP <b>SK-XX-S065R-10C</b>	1000 ± 0.15% 1000 ± 0.15% 1000 ± 0.3%	R R R	E2 E2
0.060	0.13	0.050	0.050				
1.52	3.3	1.27	1.27				
<b>MATRIX SIZE</b>	0.20 L x 0.11 W		5.0 L x 2.8 W				

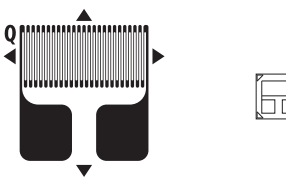
				General-purpose miniature patterns.			
NOTE: Matrix and overall length of J2A and J5K patterns will be slightly longer than dimensions shown.							
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2A-XX-S071P-350 J2A-XX-S183P-350 N2K-XX-S075P-350/DP TK-XX-S075P-350/DP J5K-XX-S104P-350/DP <b>SK-XX-S075P-350</b>	350 ± 0.1% 350 ± 0.3% 350 ± 0.15% 350 ± 0.15% 350 ± 0.3% 350 ± 0.3%	P P P P P P	E2 E2
0.062	0.12	0.062	0.062				
1.57	3.1	1.57	1.57				
<b>MATRIX SIZE</b>	0.19 L x 0.12 W		4.8 L x 3.1 W				

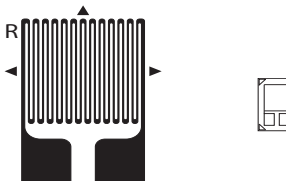
**Note 1:** Products shown in bold are not RoHS compliant.

## Transducer-Class® Strain Gages

GAGE PATTERN		inch millimeter	GAGE DESIGNATION See Note 1	RES. IN OHMS	STANDARD CREEP CODE	ENCAPSULATION OPTION AVAILABLE
Actual size shown. Enlarged when necessary for definition						
DIMENSIONS						

				The most popular small gage pattern.			
				N2A-XX-S148P-120 N2A-XX-S106N-175 N2A-XX-T001N-350 N2A-XX-T010P-10C J2A-XX-S148P-120 J2A-XX-S106N-175 J2A-XX-S047K-350 J2A-XX-S110K-10C N2K-XX-S123R-175/DP N2K-XX-T009N-350/DP N2K-XX-S072R-10C/DP TK-XX-S123R-175/DP TK-XX-T009Q-350/DP TK-XX-S072R-10C/DP J5K-XX-S103Q-350/DP <b>SK-XX-S074R-350</b> <b>SK-XX-S072R-10C</b>	120 ± 0.15% 175 ± 0.15% 350 ± 0.15% 1000 ± 0.15% 120 ± 0.3% 175 ± 0.3% 350 ± 0.3% 1000 ± 0.3% 175 ± 0.15% 350 ± 0.15% 1000 ± 0.15% 175 ± 0.15% 350 ± 0.15% 1000 ± 0.15% 350 ± 0.3% 350 ± 0.3% 1000 ± 0.3%	P N N P P N K K R R R R Q Q R R	E2 E2 E2 E2 E2 E2 E2 E2
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH				
0.060	0.15	0.100	0.100				
1.52	3.8	2.54	2.54				
MATRIX SIZE	0.22 L x 0.16 W		5.6 L x 4.1 W				

				Higher-power-dissipation versions of the T001/T009 patterns.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH				
0.060	0.17	0.180	0.180				
1.52	4.3	4.57	4.57				
MATRIX SIZE	0.24 L x 0.24 W		6.1 L x 6.1 W				
				N2A-XX-T002Q-350 N2K-XX-T003Q-350/DP TK-XX-T003Q-350/DP	350 ± 0.15% 350 ± 0.15% 350 ± 0.15%	Q Q Q	E2 E2 E2

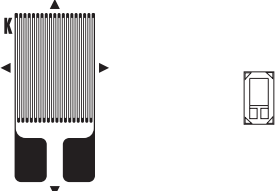
				One of the most popular gage sizes.			
				†Overall length on S078/S080 is 0.25 in (6.4mm). Matrix length will also increase slightly.			
				N2A-XX-S107N-120 N2A-XX-T004R-350 N2A-XX-T096R-500 N2A-XX-S108N-10C J2A-XX-S108N-10C N2K-XX-T005R-350/DP N2K-XX-S163R-500/DP N2K-XX-S078W-10C/DP TK-XX-T005R-350/DP TK-XX-S078W-10C/DP <b>SK-XX-S080W-350</b> <b>SK-XX-S078W-10C</b>	120 ± 0.15% 350 ± 0.15% 500 ± 0.15% 1000 ± 0.15% 1000 ± 0.3% 350 ± 0.15% 500 ± 0.15% 1000 ± 0.15% 350 ± 0.15% 1000 ± 0.15% 350 ± 0.3% 350 ± 0.3% 1000 ± 0.3%	N R R N N R R W R W W W	E2 E2 E2 E2 E2 E2 E2 E2 E2 E2
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH				
0.125	0.23†	0.125	0.125				
3.18	5.8†	3.18	3.18				
MATRIX SIZE	0.29 L x 0.19 W		7.4 L x 4.8 W				

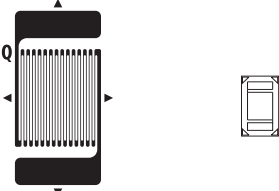
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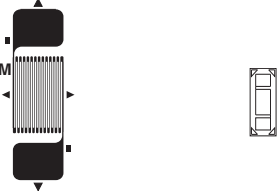
# Linear Patterns - Single Grid

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	<b>DIMENSIONS</b>				

				One of the most popular gage sizes.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	J2A-XX-S033P-350 J2A-XX-S182K-10C N2K-XX-S081P-20C/DP TK-XX-S081P-20C/DP J5K-XX-S100P-350/DP	350 ± 0.3% 1000 ± 0.3% 2000 ± 0.3% 2000 ± 0.3% 350 ± 0.3%	P K P P P	E2 E2
0.125	0.21	0.100	0.100				
3.18	5.6	2.54	2.54				
<b>MATRIX SIZE</b>	0.28 L x 0.16 W		7.1 L x 4.1 W				

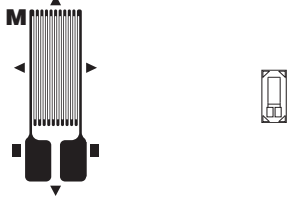
				Tabs at both ends of grid for simplified wiring on some transducer designs.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2A-XX-S044Q-350	350 ± 0.15%	Q	E2
0.125	0.255	0.125	0.125				
3.18	6.48	3.18	3.18				
<b>MATRIX SIZE</b>	0.32 L x 0.19 W		8.1 L x 4.7 W				

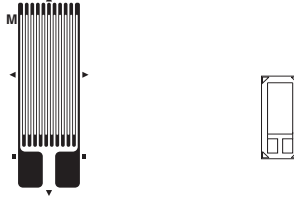
				Narrow, encapsulated version of S044.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	J2A-XX-S113M-350	350 ± 0.3%	M	
0.110	0.285	0.080	0.080				
2.82	7.31	2.03	2.03				
<b>MATRIX SIZE</b>	0.34 L x 0.14 W		8.7 L x 3.6 W				

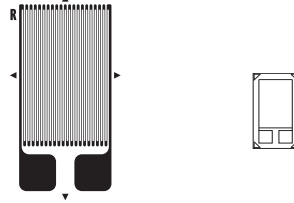
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	<b>DIMENSIONS</b>				

				Narrow-grid version of T004/T005.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>				
0.125	0.20	0.060	0.070				
3.18	5.1	1.52	1.78				
<b>MATRIX SIZE</b>	0.27 L x 0.12 W		6.9 L x 3.0 W				
				N2A-XX-T019M-350 J2A-XX-S038M-350 N2K-XX-T020T-350/DP TK-XX-T020T-350/DP	350 ± 0.15% 350 ± 0.3% 350 ± 0.15% 350 ± 0.15%	M M T T	E2  E2 E2

				Longer grid for strain averaging or where higher power dissipation is required.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>				
0.250	0.37	0.125	0.125				
6.35	9.4	3.18	3.18				
<b>MATRIX SIZE</b>	0.44 L x 0.19 W		11.2 L x 4.8 W				
				N2A-XX-T007R-350 J2A-XX-S109M-350 N2K-XX-T008R-350/DP TK-XX-T008R-350/DP	350 ± 0.15% 350 ± 0.3% 350 ± 0.15% 350 ± 0.15%	R M R R	E2  E2 E2

				Large grid and high resistance permit higher-than-normal excitation voltage.			
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>				
0.250	0.36	0.175	0.175				
6.35	9.1	4.45	4.45				
<b>MATRIX SIZE</b>	0.42 L x 0.24 W		10.7 L x 6.1 W				
				N2A-XX-S051R-10C	1000 ± 0.15%	R	E2

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