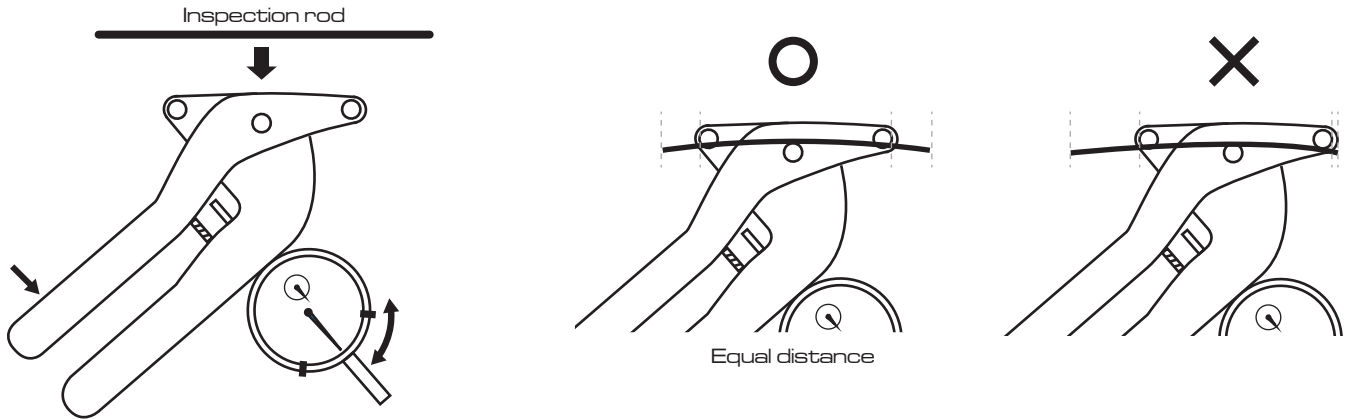


**Instruction Manual**



Please reset the dial gauge with the inspection rod according to the Precision Range before each use.

**Conversion Chart**

		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Steel Round Spoke</b>	<b>S1</b>	2.0	2.0	1.5	2.0
	<b>S2</b>	2.2	2.0	1.5	2.0
	<b>S3</b>	2.0	2.0	1.6	2.0
	<b>S4</b>	2.2	2.0	1.6	2.0
	<b>S5</b>	2.2	2.0	1.7	2.0
	<b>S6</b>	2.2	2.2	1.7	2.0
	<b>S7</b>	2.4	2.2	1.7	2.0
	<b>S8</b>	1.8	1.8	1.8	1.8
	<b>S9</b>	2.0	1.8	1.8	1.8
	<b>S10</b>	2.0	2.0	1.8	1.8
	<b>S11</b>	2.0	2.0	1.8	2.0
	<b>S12</b>	2.2	2.0	1.8	2.0
	<b>S13</b>	2.3	2.3	1.8	2.0
	<b>S14</b>	2.5	2.3	1.8	2.0
	<b>S15</b>	2.0	2.0	2.0	2.0
	<b>S16</b>	2.2	2.0	2.0	2.0
	<b>S17</b>	2.3	2.3	2.0	2.0
	<b>S18</b>	2.3	2.3	2.3	2.3
	<b>S19</b>	2.5	2.3	2.3	2.3
<b>Aero Spoke (Stainless)</b>	<b>A1</b>	1.8	1.8	2.8 x 1.0	1.8
	<b>A2</b>	2.0	1.8	2.8 x 1.0	1.8
	<b>A3</b>	2.0	2.0	2.0 x 0.95	2.0
	<b>A4</b>	2.0	2.0	2.2 x 0.95	2.0
	<b>A5</b>	2.0	2.0	2.5 x 1.05	2.0
	<b>A6</b>	2.0	2.0	2.3 x 1.5	2.0
	<b>A7</b>	2.0	2.0	3.2 x 1.0	2.0
	<b>A8</b>	2.2	2.0	2.0 x 0.95	2.0
	<b>A9</b>	2.2	2.0	2.2 x 0.95	2.0
	<b>A10</b>	2.2	2.0	2.4 x 1.05	2.0
	<b>A11</b>	2.2	2.0	2.5 x 1.05	2.0
	<b>A12</b>	2.2	2.0	2.3 x 1.5	2.0
	<b>A13</b>	2.2	2.0	3.2 x 1.0	2.0
<b>Titanium Spoke</b>	<b>T1</b>	2.2	2.0	2.0	2.0
	<b>T2</b>	2.0	2.0	1.7 x 0.9	2.0
	<b>T3</b>	2.2	2.0	3.0 x 1.1	2.0
	<b>T4</b>	2.3	2.3	2.0 x 0.9	2.3 (mm)

# Steel Round Spoke

## Conversion Chart

	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600 (N)
<b>S1</b>	0.20	0.41	0.57	0.73	0.89	1.02	1.14	1.24	1.34	1.41	1.49	1.55	1.60	1.65
<b>S2</b>	0.20	0.41	0.57	0.73	0.89	1.02	1.14	1.24	1.34	1.41	1.49	1.55	1.60	1.65
<b>S3</b>	0.38	0.55	0.75	0.91	1.05	1.19	1.28	1.41	1.49	1.59	1.65	1.72	1.79	1.85
<b>S4</b>	0.38	0.55	0.75	0.91	1.05	1.19	1.28	1.41	1.49	1.59	1.65	1.72	1.79	1.85
<b>S5</b>	0.56	0.76	0.92	1.11	1.26	1.38	1.48	1.58	1.66	1.76	1.84	1.91	1.96	2.03
<b>S6</b>	0.58	0.79	0.96	1.12	1.27	1.40	1.50	1.61	1.70	1.78	1.86	1.94	2.00	2.06
<b>S7</b>	0.53	0.74	0.91	1.08	1.21	1.35	1.44	1.56	1.64	1.72	1.81	1.87	1.93	2.00
<b>S8</b>	0.78	0.98	1.15	1.30	1.43	1.54	1.65	1.74	1.83	1.93	1.95	2.03	2.10	2.18
<b>S9</b>	0.78	0.98	1.15	1.30	1.43	1.54	1.65	1.74	1.83	1.93	1.95	2.03	2.10	2.18
<b>S10</b>	0.76	0.95	1.14	1.29	1.42	1.53	1.64	1.77	1.86	1.92	2.02	2.09	2.16	2.22
<b>S11</b>	0.85	1.07	1.21	1.36	1.48	1.63	1.72	1.81	1.92	1.99	2.07	2.14	2.19	2.24
<b>S12</b>	0.85	1.07	1.21	1.36	1.48	1.63	1.72	1.81	1.92	1.99	2.07	2.14	2.19	2.24
<b>S13</b>	0.81	1.00	1.18	1.31	1.46	1.59	1.68	1.81	1.88	1.96	2.03	2.10	2.16	2.23
<b>S14</b>	0.73	0.92	1.10	1.27	1.38	1.49	1.60	1.72	1.81	1.90	1.97	2.05	2.10	2.17
<b>S15</b>	1.13	1.31	1.50	1.64	1.71	1.89	1.99	2.09	2.19	2.29	2.34	2.42	2.48	2.55
<b>S16</b>	1.13	1.31	1.50	1.64	1.71	1.89	1.99	2.09	2.19	2.29	2.34	2.42	2.48	2.55
<b>S17</b>	1.23	1.45	1.60	1.76	1.90	2.01	2.10	2.20	2.30	2.38	2.45	2.51	2.59	2.62
<b>S18</b>	2.10	2.25	2.42	2.57	2.67	2.74	2.87	2.92	3.00	3.06	3.14	3.20	3.26	3.31
<b>S19</b>	2.10	2.25	2.42	2.57	2.67	2.74	2.87	2.92	3.00	3.06	3.14	3.20	3.26	3.31

**Note :**

Please check with rim manufacturer for specific spoke tension settings.

1 N = 1 kg m/s<sup>2</sup>; 10 N ≈ 1 kp; 10 N ≈ 1 kgf; 1 N ≈ 0,2248 lbf

## Aero Spoke (Stainless)

Conversion Chart

	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600 (N)
<b>A1</b>	0.00	0.00	0.00	0.13	1.26	1.37	1.46	1.55	1.63	1.70	1.77	1.83	1.89	1.94
<b>A2</b>	0.00	0.00	0.00	0.13	1.26	1.37	1.46	1.55	1.63	1.70	1.77	1.83	1.89	1.94
<b>A3</b>	0.00	0.00	0.00	0.02	0.16	0.25	0.37	0.46	0.55	0.62	0.68	0.73	0.79	0.86
<b>A4</b>	0.00	0.00	0.00	0.06	0.19	0.28	0.39	0.47	0.55	0.62	0.68	0.73	0.79	0.85
<b>A5</b>	0.00	0.00	0.11	0.25	0.38	0.48	0.58	0.68	0.74	0.82	0.89	0.95	1.00	1.06
<b>A6</b>	0.59	0.77	0.92	1.05	1.19	1.31	1.41	1.46	1.57	1.63	1.69	1.75	1.82	1.87
<b>A7</b>	0.00	0.00	0.15	0.26	0.39	0.46	0.58	0.67	0.73	0.80	0.87	0.92	0.98	1.04
<b>A8</b>	0.00	0.00	0.00	0.02	0.16	0.25	0.37	0.46	0.55	0.62	0.68	0.73	0.79	0.86
<b>A9</b>	0.00	0.00	0.00	0.06	0.19	0.28	0.39	0.47	0.55	0.62	0.68	0.73	0.79	0.85
<b>A10</b>	0.00	0.00	0.02	0.17	0.30	0.40	0.49	0.60	0.67	0.74	0.83	0.88	0.94	0.99
<b>A11</b>	0.00	0.00	0.11	0.25	0.38	0.48	0.58	0.68	0.74	0.82	0.89	0.95	1.00	1.06
<b>A12</b>	0.59	0.77	0.92	1.05	1.19	1.31	1.41	1.46	1.57	1.63	1.69	1.75	1.82	1.87
<b>A13</b>	0.00	0.00	0.15	0.26	0.39	0.46	0.58	0.67	0.73	0.80	0.87	0.92	1.98	1.04

## Titanium Spoke

Conversion Chart

	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600 (N)
<b>T1</b>	0.75	1.03	1.23	1.43	1.57	1.73	1.85	1.95	2.05	2.15	2.26	2.31	2.40	2.45
<b>T2</b>	0.00	0.00	0.00	0.00	0.07	0.19	0.30	0.38	0.46	0.53	0.59	0.66	0.71	0.76
<b>T3</b>	0.00	0.00	0.06	0.22	0.35	0.48	0.59	0.68	0.76	0.86	0.91	1.00	1.05	1.11
<b>T4</b>	0.00	0.00	0.00	0.00	0.01	0.12	0.24	0.33	0.41	0.49	0.56	0.63	0.69	0.75

### Note :

Please check with rim manufacturer for specific spoke tension settings.

1 N = 1 kg m/s<sup>2</sup>; 10 N ≈ 1 kp; 10 N ≈ 1 kgf; 1 N ≈ 0,2248 lbf