

		spoke center section thickness - steel																aluminum		titanium		
		0.90mm Ø		0.95mm Ø		1.2mm Ø		1.5mm Ø		1.7mm Ø		1.8mm Ø		2.0mm Ø		2.3mm Ø		2.6mm Ø		Ksyrium		2.0mm Ø
reading	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf	tension- newtons	tension- kgf
0.20	2281	233	2185	223	2011	205	2185	223	1435	190	1580	187	1471	185	1228	157	1459	149	1698	180	1626	196
0.25	1764	180	1672	170	1679	171	1672	170	1222	153	1137	148	1163	143	933	116	883	90	1236	145	1275	160
0.30	1429	146	1344	137	1406	143	1344	137	1037	124	869	119	927	112	707	87	586	60	954	118	1019	131
0.35	1197	122	1117	114	1185	121	1117	114	878	102	692	97	750	90	540	66	414	42	766	97	835	108
0.40	1026	105	952	97	1009	103	952	97	741	85	568	81	616	74	418	52	306	31	634	80	703	90
0.45	896	91	826	84	869	89	826	84	626	73	478	70	514	63	331	41	235	24	536	68	608	76
0.50	793	81	728	74	760	77	728	74	527	63	409	60	434	54	266	32	185	19	461	58	536	65
0.55	711	72	650	66	675	69	650	66	443	56	355	53	370	47	211	26			403	50	477	57
0.60	643	66	585	60	609	62	585	60	372	50	312	46	315	41	156	20			356	44	424	51
0.65	586	60	532	54	558	57	532	54	309	44	278	40	266	35	87	16			318	38	371	45
0.70	538	55	487	50	517	53	487	50	253	40	249	35	222	29					286	34	318	41
0.75	497	51	448	46	483	49	448	46	200	35	225	29	184	24					259	30	264	37
0.80	461	47	415	42	453	46	415	42	149	31	204	24	153	21					237	26	215	33
0.85	430	44	385	39	425	43	385	39	95	27	187	21	134	20					217	23	177	30

About center section thickness

- 0.90 - 0.95mm - aero spokes (Aerolite, Sapim). Measure across thinnest section.
- 1.2mm - aero spokes and blades (AE-15, CX Speed, New Aero).
- 1.5mm - super-light, butted spokes (Revolution, Laser, or XL-14).
- 1.7 and 1.8mm - most 14g butted spokes.
- For straight gauges, 1.8mm = 15g, 2.0mm = 14g, 2.3mm = 13g, and 2.6mm = 12g.

How to read the chart - 3 steps

1. Determine the spoke thickness where it is being measured. This is all that counts. It does not matter whether the spoke is bladed or butted. Thickness at measurement (which must be constant) is the only consideration.
2. Measure the spoke deflection and find that reading in the left column.
3. Move along that row to the column labeled with your spoke thickness. Here is tension in newtons or kilograms.

Warranty

Maintenance

Inspect your tensiometer on a regular basis. Check parts for looseness, damage and wear before each use.

- Do not lubricate the gauge. Simply wipe it clean from time to time.
- Do not disassemble the gauge. Its construction is simple but disassembly may compromise its accuracy.
- Take care not to drop or damage the gauge.

Your Wheel Fanatyk Spoke Tensiometer is guaranteed against defects in materials and workmanship for a full year from date of purchase. The warranty does not cover damage due to misuse. At our discretion, Wheel Fanatyk will repair or replace the instrument if determined to be defective.

Not covered by warranty:

1. Modification, neglect, or poor maintenance.
2. Damage from causes other than defects such as a user lack of skill or experience.
3. The finish or aesthetics of the instrument.
4. Normal wear from use.
5. Any labor cost associated with the repair, replacement or reassembly.