

		STEEL ROUND							
		SPOKE THICKNES & WIDTH							
UP >		Ø 1.80	Ø 2,00	Ø 2,00	Ø 2,00	Ø 2.20	Ø 2,00	Ø 2,00	Ø 2.30
MIDDLE >		Ø 1.40	Ø 1.50	Ø 1.65	Ø 1.70	Ø 1.80	Ø 1.80	Ø 2.00	Ø 2.30
DOWN >		Ø 1.80	Ø 2,00	Ø 2,00	Ø 2,00	Ø 2,00	Ø 2,00	Ø 2,00	Ø 2.30
MEASURED VALUE FROM TENSION METER	33	50							
	34	55							
	35	60							
	36	65	50						
	37	70	55						
	38	75	60						
	39	80	65						
	40	90	70	50					
	41	95	75	55					
	42	100	80	60	50				
	43	110	90	65	55		50		
	44	115	95	70	60	50	55		
	45	120	100	75	65	55	60		
	46	130	110	80	70	60	65		
	47	140	120	90	80	65	70		
	48	150	130	95	90	70	75		
	49	165	140	100	95	75	80		
	50	185	150	110	100	85	85	50	
	51	200	165	120	110	100	90	55	50
	52		185	130	120	110	100	60	55
	53		200	140	130	120	110	70	60
	54			155	140	130	120	80	70
	55			175	155	145	135	90	80
	56			195	175	160	155	100	90
	57				195	170	170	110	100
	58					190	180	120	110
	59						195	130	120
	60							145	130
	61							165	145
	62							190	165
	63								185
	64								200
	65								130
	66								145
	67								170
	68								195

Units are in kilograms force. 1 Kfg ≈ 10 Newtons (N)

Spreadsheet is valid for products from batch 15-18 (week 18, year 2015) and newer.

		STEEL BLADE						
		SPOKE THICKNES & WIDTH						
		0.9 x 1.8	0.9 x 2.2	0.9 x 3.5	1.2 x 2.6	1.2 x 2.2	1.3 x 2.3	1.3 x 2.8
MEASURED VALUE FROM TENSION METER	22							
	23							
	24	50						
	25	55	50					
	26	60	55					
	27	65	60	50				
	28	70	65	55				
	29	80	70	60				
	30	90	75	65	50			
	31	100	80	70	55	50		
	32	110	85	75	60	55		
	33	120	90	80	65	60		
	34	135	100	85	70	65		
	35	155	105	90	75	70	50	50
	36	175	110	100	80	75	55	55
	37	195	120	110	85	80	60	60
	38		130	120	90	90	65	65
	39		140	130	100	95	70	70
	40		155	140	110	100	80	80
	41		175	150	120	110	90	85
	42		195	160	130	120	95	90
	43			175	140	130	100	100
	44			195	150	140	110	110
	45				165	155	120	120
	46				180	175	130	130
	47				195	190	140	145
	48					200	150	165
	49						160	180
	50						175	195
	51						195	

Units are in kilograms force. 1 Kfg = ~ 10 Newtons (N)

Spreadsheet is valid for products from batch 15-18 (week 18, year 2015) and newer.

v2

90961418



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NAVODILA ZA UPORABO

Stisni drsni ročaj (A) do konca, zatem vstavi napero med dva zatiča na orodju (B). Prepričaj se, da je napera popolnoma vzporedna z orodjem, kar se doseže tako da se napera nasloni na oba stranska distančnika (C) na zatičih.

Ročaja ne spusti na hitro, temveč nežno popuščaj pritisk in sledi poti ročaja dokler se ne ustavi, kot prikazano na sliki 2. V kolikor nisi prepričan o meritvi, postopek ponovi večkrat, dokler ne dobiš ponavljajočih rezultatov.

V kolikor nisi prepričan o premeru merjene napere, uporabi merilnik na vrhu orodja (D).

Ko imaš premer napere in izmerjeno vrednost, poglej v priloženo tabelo konverzij in odčitaj trenutno napetost.

** Priporočamo merjenje napere pri sobni temperaturi.*

NAVODILA ZA KALIBRACIJO

Vstavite kalibracijsko napero (E) v orodje za merjenje napetosti naper in po istem postopku kot z normalno napero, izmerite vrednost, kot je to prikazano na sliki 4. Odčitana vrednost, mora biti enaka vrednosti napisani na kalibracijski naperi.

V kolikor vrednost ni prava, obrnite kalibracijski vijak (F) na zadnji strani orodja. Če merilec kaže manj kot bi moral, obrnite vijak nasprotni smeri urinega kazalca za nekaj obratov. V kolikor merilec kaže več kot bi moral, vijak obrnite v smeri urinega kazalca. Postopek ponovite dokler ne dobite prave vrednosti.

Kalibracijsko napero shranjujte v originalni škatli in jo uporabljajte samo za kalibracijo tega orodja.

Za več informacij se lahko obrnete na Uniorjevo tehnično pomoč na elektronskem naslovu bike@unior.com.



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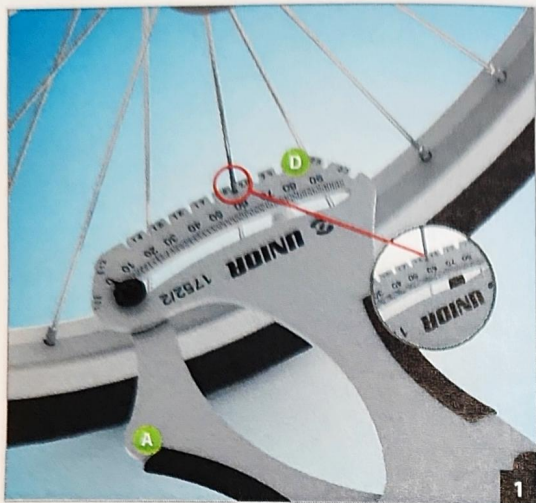
Spoke tension meter

SLO

Merilec napetosti naper

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ENG

USAGE INSTRUCTIONS

Press the handle (A) till the very end, and then insert the spoke between the two pins on the tool (B). Make sure, the spoke is completely parallel with the tool, which is achieved by positioning the spoke to the side spacers (C) on the two pins.

Do not release the handle, but gently release the pressure and follow the path of the handle till it stops slowly, like shown on the picture 2. If not certain, repeat the measurement several times until you receive repeatable results.

If you are uncertain of the spoke diameter, use the gauge on the top of the tool (D).

Having the spoke diameter and the measured value, check conversion table to determine the current tension.

** We suggest to measure the spoke tension at normal room temperature.*

CALIBRATION INSTRUCTIONS

Insert the calibration spoke (E) into the Spoke Tension Meter and use the same procedure as with a normal spoke, like shown in the picture 4. After releasing the handle, the indicator must show equal value to the one specified on the calibration spoke.

If the value is not correct, screw the calibration bolt (F) on the back side of the tool. If the indicator shows less that it should, unscrew the calibration bolt counter clockwise direction for a few turns. If the indicator is showing more, screw the calibration bolt clockwise direction. Repeat the process until you reach the desired value.

Calibration spoke must be stored in the box and only used for calibration of this tool.

For additional help, contact Unior's technical assistance at bike@unior.com.

