

SPINDLES (all spindles available for all spiders and power meters)			
OLD	135/142mm (Standard)	148mm (Boost)	157mm (Super Boost)
Spindle diameter	24 or 29mm		
Spindle length	130mm	136mm	139mm
Spindle material	24mm (SCM440 or Tl64) 29mm (AL7075)	24mm (SCM440 or Tl64) 29mm (AL7075)	24mm (SCM440) 29mm (AL7075)
Bearing contact area	96mm	102mm	105mm
Chain line	52mm	55mm	56.5mm
Q factor	172mm	178mm	181mm

CRANK ARM	
Crank material	CNC AL7150
Crank Length	With 24 mm spindle: 160; 165; 170; 175 mm With 29 mm spindle: 165; 170; 175 mm
Crank colors	Black or other Ridea colors (red/gold/silver)

SPIDERS & CHAINRINGS				
Spider model	SPM <sup>2</sup> MS-H1	MS-H1	M4-S2	M4-S3
BCD	96mm		104/64mm	104/64mm
No. of arms	4			
Compatible chainrings	Ridea MS-H1 series		Ridea M4-S2 series	Ridea M4-S3 series
Chainring sizes	W2T: 30t; 32t; 34t; 36t; 38t; 40t		W0T: 40/26; 42/27 W2T: 36/24; 38/24; 40/26; 42/27	W2T: 42/32/22; 44/33/23; 44/34/24; 46/34/24; 46/36/26
Weight	452 g (170 mm; 24 mm, Tl64 spindle; w/o chainring)		460 g (170 mm; 24 mm, Tl64 spindle; w/o chainring)	470 g (170 mm; 24 mm, Tl64 spindle; w/o chainring)
Spider mount positions	When mounting Ridea Duo-Oval Powering chainrings: +10° (climbing); -10° (rouleur); 0° (standard position)			
Spider available colors	Black	Black/Red/Gold/Silver		

SPM <sup>2</sup> POWER METER SPIDER UNIT (Download RIDEA APP)			
Leg measurement	Both legs	Weather sealing	IPX6
Accuracy	±1.5 %	Battery	Lithium. Internal. Running time: 150 hours
Power range	0 – 2000 W	Temperature range	-20 – 50 °C
Cadence range	30 – 200 rpm	Connectivity	ANT+™ and Bluetooth® LE
Calibration	Auto Zero Offset		

SPM <sup>2</sup> POWER METER LED notifications			
1 blue flash	Unit is waking up	Red light	Battery is charging
Blue flashes every 8 seconds	Unit active and measuring	No light	Battery fully charged
1 green flash	Charging cable connected	5 blue flashes in 1 second, followed by 1 green flash	Error message

SPINDLES (all spindles available for all spiders and power meters)		
Spindle diameter	24mm	29mm
Spindle length	126mm	
Spindle material	SCM440 or Ti64	AL7075
Bearing contact area	92mm	
Chain line	44.5mm	
Q factor	148mm	

CRANK ARM	
Crank material	CNC AL7150
Crank Length	With 24 mm spindle: 140; 145; 150; 155; 160; 165; 167.5; 170; 172.5; 175; 180 mm With 29 mm spindle: 155; 160; 165; 167.5; 170; 172.5; 175 mm
Crank colors	Black or other Ridea colors (red/gold/silver)

SPIDERS & CHAINRINGS						
Spider model	SPM <sup>2</sup> R4-91	R4-91	SPM <sup>2</sup> GR-4C	GR-4C	IT-ST	IT-FT
BCD	110mm		110/94mm	110/80mm	130mm	
No. of arms	4		4		5	
Compatible chainrings	Ridea Lami-Flow R4-91 (For R9100 similar spec)		Ridea Lami-Flow GR-4C (For GRX spec)		Ridea Lami-Flow R5-ST series (single or double)	Ridea Lami-Flow R5-ST series (single)
Chainring sizes	Double: W0T: 50/34; 52/36; 53/39; 56/44 W2T: 48/32; 50/34; 52/36; 53/39 W3T: 50/34; 52/36; 53/39  Single: W0T: 50t; 52t; 54t; 56t W2T: 34t; 36t; 38t; 40t; 42t; 44t W3T: 46t; 48t; 50t; 52t; 54t; 56t W3T (inset 3 mm): 46t; 48t; 50t		Double: W0T: 46/30 W2T: 46/30  Single: W0T: 40t; 42t W2T: 38t; 40t; 42t		Double: W0T: 53/39; 56/44 W2T: 53/40  Single: W0T: 46t; 48t; 50t; 52t; 54t; 56t; 58t W3T: 42t; 46t; 48t; 50t; 52t; 54t; 56t; 58t	
Weight	519 g (170 mm; 24 mm, Ti64 spindle; w/o chainring)	454 g (170 mm; 24 mm, Ti64 spindle; w/o chainring)	523 g (170 mm; 24 mm, Ti64 spindle; w/o chainring)	460 g (170 mm; 24 mm, Ti64 spindle; w/o chainring)	483 g (170 mm; 24 mm, Ti64 spindle; w/o chainring)	
Spider mount positions	When mounting Ridea Duo-Oval Powering chainrings: +10° (climbing); -10° (rouleur); 0° (standard position)					
Spider available colors	Black	Black/Red/Gold/Silver	Black	Black/Red/Gold/Silver		

SPM <sup>2</sup> POWER METER SPIDER UNIT (Download RIDEA APP)			
Leg measurement	Both legs	Weather sealing	IPX6
Accuracy	±1.5 %	Battery	Lithium. Internal. Running time: 120 hours
Power range	0 – 2000 W	Temperature range	-20 – 50 °C
Cadence range	30 – 200 rpm	Connectivity	ANT+™ and Bluetooth® LE
Calibration	Auto Zero Offset		

SPM <sup>2</sup> POWER METER LED notifications			
1 blue flash	Unit is waking up	Red light	Battery is charging
Blue flashes every 8 seconds	Unit active and measuring	No light	Battery fully charged
1 green flash	Charging cable connected	5 blue flashes in 1 second, followed by 1 green flash	Error message