

Dynohub Drum Brakes

Model Name	XL-FDD		X-FDD	
Model No.	HDS93.TBSS.AA2	HDS92.TBSS.AA2	HDS73.TBSS.AA2	HDS72.TBSS.AA2
Model No. (High Polish)	HDS93.TBSS.HA2	HDS92.TBSS.HA2	HDS73.TBSS.HA2	HDS72.TBSS.HA2
Voltage	6V	6V	6V	6V
Output	3.0W	2.4W	3.0W	2.4W
Brake Type	90mm Drum Brake		70mm Drum Brake	
Hub Shell Material	A356 Aluminum		A356 Aluminum	
Bearing Type	Sealed Cartridge		Sealed Cartridge	
Hub Axle Diameter	9mm		9mm	
Hub Axle Length	140mm	140mm	140mm	140mm
Over Locknut Dimension	100mm	100mm	100mm	100mm
Spoke Holes	(B) 36H	(B) 36H	(B) 36H	(B) 36H
Pitch Circle Diameter	109.0mm	109.0mm	89.8mm	89.8mm
Flange Width	59.4mm	59.4mm	60mm	60mm
Center to Flange	Right	31.4mm	31.4mm	30.0mm
	Left	28.0mm	28.0mm	30.0mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Finish	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy
Weight	1,350g	1,350g	1,220g	1,220g

Dynohub Drum Brakes

Model Name	XL-SDD		XL-SDD		X-SDD		X-SDD	
Model No. (Right Side)	HDH93.RBLS.AA3	HDH92.RBLS.AA3	HDH93.RBSS.AA3	HDH92.RBSS.AA3	HDH73.RBLS.AA3	HDH72.RBLS.AA3	HDH73.RBSS.AA3	HDH72.RBSS.AA3
Voltage	6V	6V	6V	6V	6V	6V	6V	6V
Output	3.0W	2.4W	3.0W	2.4W	3.0W	2.4W	3.0W	2.4W
Brake Type	90mm Drum Brake		90mm Drum Brake		70mm Drum Brake		70mm Drum Brake	
Side	(R) Right	(R) Right	(R) Right	(R) Right	(R) Right	(R) Right	(R) Right	(R) Right
Hub Axle Diameter Type	12mm		12mm		12mm		12mm	
Hub Axle Length	143mm	143mm	124mm	124mm	143mm	143mm	124mm	124mm
Axle Protrusion Length	69mm	69mm	50mm	50mm	69mm	69mm	50mm	50mm
Hub Shell Material	A356 Aluminum		A356 Aluminum		A356 Aluminum		A356 Aluminum	
Bearing Type	Sealed Cartridge		Sealed Cartridge		Sealed Cartridge		Sealed Cartridge	
Spoke Holes	(B) 36H	(B) 36H	(B) 36H	(B) 36H	(B) 36H	(B) 36H	(B) 36H	(B) 36H
Pitch Circle Diameter	109.0mm	109.0mm	109.0mm	109.0mm	89.4mm	89.4mm	89.4mm	89.4mm
Flange Width	59.4mm	59.4mm	59.4mm	59.4mm	67.9mm	67.9mm	67.9mm	67.9mm
Spoke Compatibility	13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G	13G & 14G
Finish	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy	Natural Alloy
Weight	1,393g	1,393g	1,383g	1,383g	1,200g	1,200g	1,190g	1,190g