



Specifications | Drum Brake Hubs

Front Drum Brake Hubs					
Model Name		XL-FD	X-FD		SBF
Model No.		THSLD.FBSS.AA0	THSXD.FBSS.AA1	THSXD.FBLS.AA1	THSSB.FBSS.SA0
Model No. (High Polish)		THSLD.FBSS.HA0	THSXD.FBSS.HA1	THSXD.FBLS.HA1	×
Brake Type		90mm Drum Brake	70mm Drum Brake		70mm Drum Brake
Hub Shell Material		A356 Aluminum	A356 Aluminum		Steel
Bearing Type		Sealed Cartridge	Sealed Cartridge		Loose Ball
Axle Type		Solid Nuted	Solid Nuted		Solid Nuted
Axle Diameter		9mm	9mm		3/8" (26TPI) Slotted
Axle Length		136mm	136mm	152mm	136mm
Over Locknut Dimension		100mm	100mm		100mm
Spoke Holes		(B) 36H	(B) 36H		(B) 36H
Pitch Circle Diamter		109.0mm	89.8mm		83.0mm
Flange Width		58mm	58mm		56.0mm
Center to Flange	Right	32.0mm	29mm		30.2mm
	Left	26.0mm	29mm		25.8mm
Spoke Compatibility		13G & 14G	13G & 14G		14G
Finish		Natural Alloy	Natural Alloy		Painted Silver
Weight		970g	770g	780g	880g



Specifications | Drum Brake Hubs

Rear Drum Brake Hubs				
Model Name	X-RD			X-RDC
Model No.	THSXD.RBSS.AA0	THSXD.RBAS.AA0	THSXD.7BSS.AA0	THSXD.CBLS.AA0
Brake Type	70mm Drum Brake			70 mm Drum Brake
Usage	1-Speed Freewheel		7-Speed Freewheel	9/8-Speed Cassette
Hub Shell Material	A356 Aluminum			A356 Aluminum
Bearing Type	Sealed Cartridge			Sealed Cartridge
Axle Type	Solid Nuted			Solid Nuted
Axle Diameter	9mm			10mm
Axle Length	183mm	154mm	183mm	185mm
Over Locknut Dimension	135mm	119mm	135mm	135mm
R: Axle Protrusion Length	31mm	16.5mm	24mm	25mm
L: Axle Protrusion Length	17mm	16.5mm	24mm	25mm
D-Dimension	31mm	27.5mm	38mm	41mm
Spoke Holes	(B) 36H			(B) 36H
Pitch Circle Diameter	89.8mm			89.8mm
Flange Width	64.2mm			64.2mm
Center to Flange	Right	27.8mm	26.0mm	20.7mm
	Left	36.4mm	38.2mm	43.5mm
Spoke Compatibility	13G & 14G			13G & 14G
Finish	Natural Alloy			Natural Alloy
Weight	835g	795g	835g	950g



Specifications | Drum Brake Hubs

Side Drum Brake Hubs						
Model Name	XL-SD					
Model No.	THH90.LBQS.A A1	THH90.RBQS.AA1	THH80.LBSS.AA2	THH80.RBSS.AA 2	THH80.LBCS.AA2	THH80.RBCS.A A2
Model No. (High Polish)	THH90.LBQS.H A1	THH90.RBQS.HA1	×	×	×	×
Brake Type	90mm Drum Brake		90mm Drum Brake		90mm Drum Brake	
Side	Left	Right	Left	Right	Left	Right
Axle Type	HSL819 Quick-Release		HSL881 Solid Nuted		HSL885 Solid Nuted	
Axle Diameter / Type	12mm (16mm Base)		12mm		12mm	
Axle Length	150mm		130mm (excl. M19 Hex Bolt Head of 4mm)		100mm (excl. M19 Hex Bolt Head of 4mm)	
Axle Protrusion Length	62mm (incl. 12mm QR protrusion from base)		50mm		20mm	
Hub Shell Material	A356 Aluminum		A356 Aluminum		A356 Aluminum	
Bearing Type	6001-ZZ Sealed Cartridge x2		6001-ZZ Sealed Cartridge x2		6001-ZZ Sealed Cartridge x2	
Spoke Holes	(B) 36H		(B) 36H		(B) 36H	
Pitch Circle Diameter	109.0mm		109.0mm		109.0mm	
Flange Width	53mm		53mm		53mm	
Spoke Compatibility	13G & 14G		13G & 14G		13G & 14G	
Finish	Natural Alloy		Natural Alloy		Natural Alloy	
Weight	1,020g	1,020g	960g	960g	935g	935g



Specifications | Drum Brake Hubs

Side Drum Brake Hubs						
Model Name	X-SD [X-FD(H)]					
Model No.	THH60.LBQS.A A1	THH60.RBQS.AA1	THH50.LBSS.AA2	THH50.RBSS.AA 2	THH50.LBCS.AA2	THH50.RBCS.A A2
Brake Type	70mm Drum Brake		70mm Drum Brake		70mm Drum Brake	
Side	Left	Right	Left	Right	Left	Right
Axle Type	HSL819 Quick-Release		HSL881 Solid Nuted		HSL885 Solid Nuted	
Axle Diameter / Type	12mm (16mm Base)		12mm		12mm	
Axle Length	150mm		130mm (excl. M19 Hex Bolt Head of 4mm)		100mm (excl. M19 Hex Bolt Head of 4mm)	
Axle Protrusion Length	62mm (incl. 12mm QR protrusion from base)		50mm		20mm	
Hub Shell Material	A356 Aluminum		A356 Aluminum		A356 Aluminum	
Bearing Type	6001-ZZ Sealed Cartridge x2		6001-ZZ Sealed Cartridge x2		6001-ZZ Sealed Cartridge x2	
Spoke Holes	(B) 36H		(B) 36H		(B) 36H	
Pitch Circle Diameter	89.8mm		89.8mm		89.8mm	
Flange Width	54mm		54mm		54mm	
Spoke Compatibility	13G & 14G		13G & 14G		13G & 14G	
Finish	Natural Alloy		Natural Alloy		Natural Alloy	
Weight	790g	790g	730g	730g	705g	705g