

Walther Engineering and Manufacturing Co., Inc.



Application Guide for 114 SpeedMount Hub®

Dura-Light Hubs® Evolution™ For N Tapered Spindle Axle with Scotseal® X-Treme						Dura-Light Hubs® Evolution™ For N Tapered Spindle Axle with Stemco Discover® XR					
Part Number*	Application		Standout	Lbs.	Bolts	Part Number*	Application		Standout	Lbs.	Bolts
100-00114-101	ABS	Hub Piloted/Aluminum Dual Wheel	3.72"	41	02-00118	101-20114-001	Hub Piloted/Aluminum Dual Wheel	3.72"	41	02-00118	
						101-20114-101	ABS Hub Piloted/Aluminum Dual Wheel	3.72"	41	02-00118	
						101-20114-102	ABS Hub Piloted/Steel Dual Wheel	2.96"	40	02-00110	

Dura-Light Hubs® Evolution™ For Tapered Spindle Axle with Scotseal® X-Treme and Fill Plug						Dura-Light Hubs® Evolution™ For Tapered Spindle Axle with Stemco Discover® XR and Fill Plug					
Part Number*	Application		Standout	Lbs.	Bolts	Part Number*	Application		Standout	Lbs.	Bolts
100-00114M-101	ABS	Hub Piloted/Aluminum Dual Wheel	3.72"	41	02-00118	101-20114M-101	ABS	Hub Piloted/Aluminum Dual Wheel	3.72"	41	02-00118
						101-20114M-102	ABS	Hub Piloted/Steel Dual Wheel	2.96"	40	02-00110

N Bearings

HM212011	bearing cup - outer bore
HM218210	bearing cup - inner bore
HM212049	bearing cone - outer bore
HM218248	bearing cone - inner bore

* Part Numbers listed are assembled with General Bearing cups and cones.

** Part Numbers listed are assembled with Stemco cups and cones.

Component Parts

05-00037	Tone Ring - 100 Teeth, 6.77 Dia. Pitch Circle	Ø 11.25 (Ø 285.75 mm)	.7 lbs
46300XT	Scotseal® X-Treme		
373-0443	Stemco Discover® XR	Ø 8.78	
90-00248	Bearing Retainer		
1305010	5/16-18 x .62, Hex Bolt	Ø 5.50	
02-00166	9/16-18 Fill Plug - Magnetic		
			Torque 16-19 LB-FT

Hub Dynamic Load Ratings

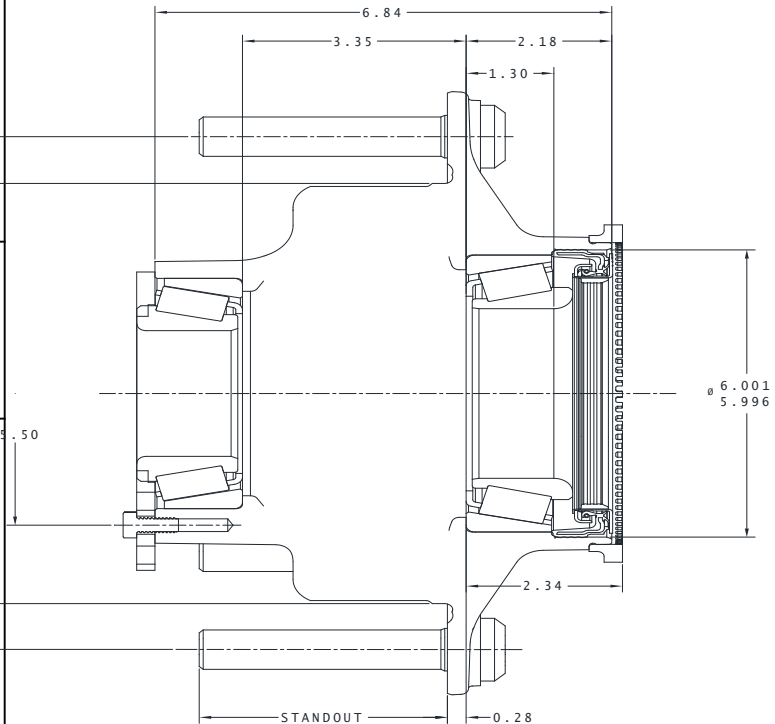
Single Wheel Offset	Load/Hub
0	11,250 lbs
0.56"	10,839 lbs
2.00"	10,000 lbs
2.38"	9,689 lbs
2.75"	9,484 lbs
3.50"	9,095 lbs
3.88"	8,910 lbs
6.66"	Prohibited

Estimated Lubricant Fill Volumes**

22 fl-oz	Oil Lubrication Fill Level
101.06 cubic inches	Vol. Between Cup Seats Including Spindle Displacement
34.50 fl-oz	50% Fill Level for Semi-Fluid, Including Spindle Displacement and Semi-Fluid for Bearings

** Actual lubricant volume should be adjusted for specific components used. See TMC RP 631C

Dimensions for all part number configurations



Scotseal® X-Treme is a registered trademark for SKF, Discover® XR is a registered trademark for Stemco