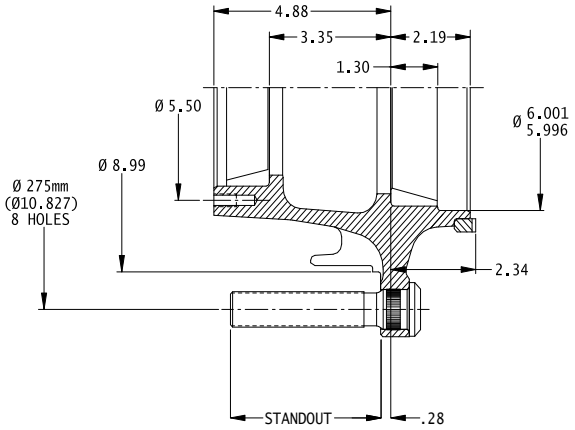
Walther Engineering and Manufacturing Co., Inc.

Application Guide for 048 Hub with Fill Port and No Plug

Low-Boy Hubs for N Tapered-Spindle Axles

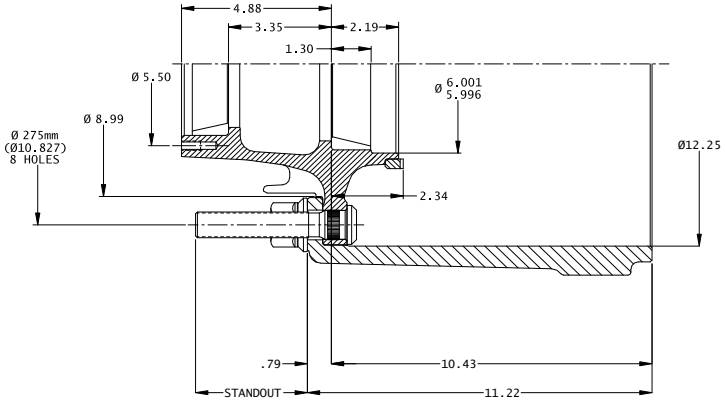
Part Number		Application	Standout	Lbs.	Bolts
10-00048N-001		Hub HP, AL Whl	4.14"	40	02-00045
10-00048N-002		Hub HP, ST Whl	3.21"	39	02-00044
10-00048N-101	ABS	Hub HP, AL Whl	4.14"	41	02-00045
10-00048N-102	ABS	Hub HP, ST Whl	3.21"	40	02-00044



NOTE: BRAKE SIZE 12.25" X 7.50"

Low-Boy Hubs for N Tapered-Spindle Axles with 12 1/4 x 7.5" Cast Drum

Part Number		Application	Standout	Lbs.	Bolts
1003048N-031050*		Hub/Cast Drum Assy. HP, AL Whl	3.64"	133	02-00045
1003048N-032050*		Hub/Cast Drum Assy. HP, ST Whl	2.71"	132	02-00044
1003048N-131050*	ABS	Hub/Cast Drum Assy. HP, AL Whl	3.64"	134	02-00045
1003048N-132050*	ABS	Hub/Cast Drum Assy. HP, ST Whl	2.71"	133	02-00044
1004048N-031050#		Hub/Cast Drum Assy. HP, AL Whl	3.64"	133	02-00045
1004048N-032050#		Hub/Cast Drum Assy. HP, ST Whl	2.71"	132	02-00044
1004048N-131050#	ABS	Hub/Cast Drum Assy. HP, AL Whl	3.64"	134	02-00045
1004048N-132050#	ABS	Hub/Cast Drum Assy. HP, ST Whl	2.71"	133	02-00044



N Bearings

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

Drums

03-00050	12 1/4" x 7.5" Cast Brake Drum	93 lbs

Component Parts

WN333T	Two-piece, Flanged Wheel Nut,M22x1.5	.4 lbs
05-00080	Tone Ring - 80 Teeth, 6.77 Dia. Pitch Circle	1.0 lbs
02-00166	9/16-18 Fill Plug - Magnetic	Torque 16-19 LB-FT
02-00196	9/16-18 Fill Plug - Non-Magnetic	Torque 16-19 LB-FT

Hub Dynamic Load Ratings

Single Wheel Offset	Load/Hub
0	See Chart at Right
0.56"	Prohibited
2.00"	Prohibited
2.38"	Prohibited
2.75"	Prohibited
3.50"	Prohibited
3.88"	Prohibited
6.66"	Prohibited

Tire SLR (in)	Hub Dynamic Load (lb)
≤15.7	23,000
>15.7	20,000

Estimated Lubricant Fill Volumes**

15 fl-oz	Oil Lubrication Fill Level
61.40 in^3	Vol. Between Cup Seats Including Spindle Displacement
17.01 fl-oz	50% Fill Level for Semi-Fluid, Including Spindle Displacement

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

⚠ CAUTION: Use only the fill plugs specified in this document. Substituting with non-approved plugs may compromise sealing performance and retention reliability. The Walther EMC plug is not a standard SAE plug. It features an enhanced design with two sealing surfaces.The additional sealing surface is critical for maintaining robust plug retention under operational condition. Always verify plug type before installation.

* Includes two flanged wheel nuts # Includes eight flanged wheel nuts

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