

WHEEL NUTS

for Commercial Vehicles.

Wheel Nuts · Flange Nuts · ANSI B18.2.2 · SAE J1965 · 3/8"–4" Imperial · M18–M22 Metric

Manufactured in Ludhiana, India · North American sales & support office: Windsor, Ontario, Canada



Flange Nut
Metric · As required



Two-Piece Flange Nut
Rotating flange · SAE J1965



Wheel Nut
Side profile

HEX NUTS — IMPERIAL · ANSI B18.2.2 TABLE 9 · DIMENSIONS IN MM

Note: Metric wheel nuts M18 × 1.5 · M20 × 1.5 · M22 × 1.5 are also available — see separate section on page 2.

d (Bolt Dia)	f (Wrench)	f Max mm	f Min mm	g Max mm	g Min mm	h Nom / Min mm
3/8"	1-1/16"	17.5	17.0	20.2	19.4	9.1 / 8.7
7/16"	3/4"	19.1	18.5	22.0	21.1	10.7 / 10.2
1/2"	7/8"	22.2	21.6	25.7	24.8	12.3 / 11.8
9/16"	15/16"	23.8	23.0	27.5	26.3	13.9 / 13.3
5/8"	1-1/16"	27.0	26.2	31.2	29.8	15.5 / 14.9
3/4"	1-1/4"	31.8	30.8	36.7	35.1	18.7 / 18.0
7/8"	1-7/16"	36.5	35.4	42.2	40.4	21.8 / 21.2
1"	1-5/8"	41.3	40.0	47.7	45.6	25.0 / 24.3
1-1/8"	1-13/16"	46.0	44.6	53.2	50.9	28.2 / 27.4
1-1/4"	2"	50.8	49.2	58.6	56.1	31.0 / 30.1
1-3/8"	2-3/16"	55.6	53.8	64.2	61.4	34.1 / 33.3
1-1/2"	2-3/8"	60.3	58.4	69.6	66.6	37.3 / 36.4
1-3/4"	2-3/4"	69.9	67.6	80.6	77.1	43.7 / 42.6
2"	3-1/8"	79.4	76.8	91.6	87.6	50.0 / 48.9
2-1/4"	3-1/2"	88.9	86.0	102.6	98.1	56.0 / 54.7
2-1/2"	3-7/8"	98.4	95.3	113.6	108.6	62.3 / 61.0
2-3/4"	4-1/4"	108.0	104.4	124.6	119.1	68.7 / 67.2
3"	4-5/8"	117.5	113.7	135.6	129.6	75.0 / 73.5
3-1/4"	5"	127.0	122.9	146.7	140.1	81.0 / 79.3
3-1/2"	5-3/8"	136.5	132.1	157.7	150.6	87.3 / 85.6
3-3/4"	5-3/4"	146.1	141.3	168.7	161.1	93.7 / 91.8
4"	6-1/8"	155.6	150.5	179.7	171.6	100.0 / 98.1

All dimensions per ANSI B18.2.2 Table 9. Material: EN8D. Finish available on request.



Metric Wheel Nut · M22 × 1.5

A/F 33 mm · Height 30.7 mm · Material: EN8D

Cross-references: Meritor R006000A · Dayton 13-3052 — full listing in the GCW Cross-Reference Guide.

ASTM A563 CERTIFIED — THIRD-PARTY TESTED

Also available — 27 mm low-profile variant for hub-piloted aluminum wheels: Alcoa 39874 · Euclid 9020 · Dayton 13-3057

MANUFACTURING — 4 STAGES

- 01 EN 8D Raw Material**
Wire rod supplied to EN 8D specification. Chemistry and mechanical properties certified per heat before production.
- 02 Hot Headed**
Hex body and flange formed by hot heading — net-shape part, no material removed.
- 03 Thread Rolling**
Internal threads rolled, not cut. 6H tolerance per DIN 13. Grain flow intact through thread root.
- 04 Heat Treated**
Heat treatment applied as per specification. Coating to order. 100% Go/No-go gauge.

APPLICATIONS

- A-01** Class 5–8 semi-trucks
- A-02** Bus & coach axles
- A-03** Eaton drive axles
- A-04** Trailer hubs
- A-05** FleetPride aftermarket
- A-06** Agricultural axles
- A-07** OEM assembly programs

QUALITY & DOCUMENTATION

ISO 9001:2015	Certified QMS — manufacturing facility
ASTM A563	Certified — third-party test certificate (hardness + proof load), report on request
THREAD GAUGING	100% Go / No-go · DIN 13 · 6H
DE-EMBRITTLEMENT	Bake standard, electroplated parts

CUSTOM OEM · PER DRAWING

THREAD	M12–M36 metric · 3/8"–2" imperial
MATERIAL	EN8D (standard) · other grades on request
GRADE	Class 6–12 · SAE Grade 2–8
COATING	Zn · HDG
STAMPINGS	Custom stampings per drawing
ENQUIRY	info@gcwinternational.com

GET IN TOUCH

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