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Maxibolt Blind Bolts, Steel and Titanium: Part Number, Hole, Grip and Tools

ASNA part number · hole and drill · grip · tools · removal

Hole and drill by diameter code

Standard	Code	Nominal	Body	Hole	Drill
ASNA0026 (steel / A-286)	-05	5/32 in (0.156 in; 3.97 mm)	0.163 in (4.14 mm)	0.164–0.167 in (4.16–4.24 mm†)	#19 (0.1660 in; 4.22 mm)
ASNA0026 (steel / A-286)	-06	3/16 in (0.188 in; 4.76 mm)	0.198 in (5.03 mm)	0.199–0.202 in (5.05–5.13 mm†)	#7 (0.2010 in; 5.11 mm)
ASNA0026 (steel / A-286)	-08	1/4 in (0.250 in; 6.35 mm)	0.259 in (6.58 mm)	0.260–0.263 in (6.60–6.68 mm†)	G (0.2610 in; 6.63 mm)
ASNA0341 (titanium)	-04	1/8 in (0.125 in; 3.17 mm)	0.128 in (3.25 mm)	0.129–0.132 in (3.28–3.35 mm†)	#30 (0.1285 in; 3.26 mm), just under the minimum: gauge the hole
ASNA0341 (titanium)	-05	5/32 in (0.156 in; 3.97 mm)	0.163 in (4.14 mm)	0.164–0.167 in (4.16–4.24 mm†)	#19 (0.1660 in; 4.22 mm)
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Key points

- **ASNA0026 / 0027** steel or stainless; **ASNA0341 / 0342 / 0363** titanium.
- **Body is bigger than the nominal fraction:** code 05 is 0.163 in at the body; drill from the hole table.
- **Shear:** steel 112 ksi, A-286 95 ksi, titanium 95 ksi (FAA).
- **Flush-breaking stem:** no shaving.
- **One tool and pulling head** installs all three diameters.

Step by step

1. Drill from the hole table, not the nominal.
2. Choose the grip code from the stack.
3. Fit the pulling head and pull the stem.
4. The stem breaks flush; the shift washer collapses into a solid washer.

SOURCES · FAA-H-8083-31B, Aviation Maintenance Technician Handbook, Airframe · ASNA0026, ASNA0027, ASNA0341, ASNA0342 and ASNA0363 standard sheets

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Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.