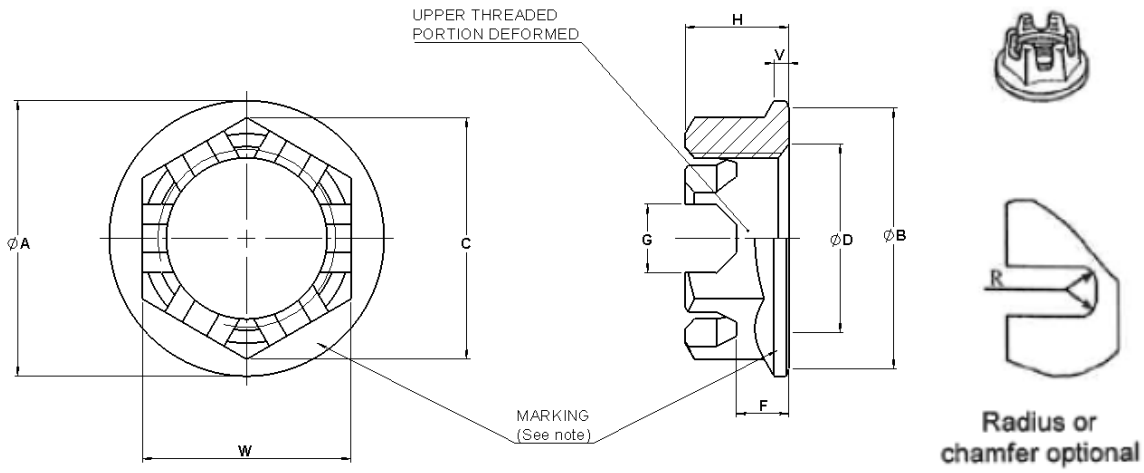
**Howmet Fastening Systems**
Howmet Fixations Simmonds SAS
9, rue des Cressonnières
72110 Saint-Cosme-en-Vairais – France - F0224
Tél : 33 (0)2-43-31-41-00
Fax : 33 (0)2-43-33-18-02




| PART NUMBER | THREAD SIZE UNJF-3B | A | B | C | D | F | G | | H | R | V | W | | MINIMUM ULTIMATE TENSILE STRENGTH LBS. | APPROX WEIGHT LB/100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Max. | Min. | Min. | Max. | ±.016 | Max. | Min. | ±.015 | Max. | Ref. | Max. | Min. | | |
| **THCR53x** | .1900-32 | .325 | .291 | .277 | .220 | .094 | .064 | .050 | .188 | .035 | .020 | .252 | .243 | 1,254 | .15 |
| **THCR54x** | .2500-28 | .420 | .386 | .348 | .280 | .094 | .100 | .070 | .188 | .035 | .020 | .315 | .306 | 2,336 | .24 |
| **THCR55x** | .3125-24 | .520 | .482 | .419 | .342 | .094 | .100 | .070 | .188 | .035 | .020 | .378 | .367 | 3,772 | .34 |
| **THCR56x** | .3750-24 | .579 | .539 | .491 | .405 | .109 | .155 | .125 | .219 | .053 | .025 | .440 | .430 | 5,834 | .47 |
| **THCR57x** | .4375-20 | .645 | .600 | .562 | .467 | .109 | .155 | .125 | .219 | .053 | .025 | .504 | .494 | 7,873 | .57 |
| **THCR58x** | .5000-20 | .770 | .725 | .633 | .530 | .141 | .155 | .125 | .250 | .053 | .030 | .566 | .556 | 10,757 | .95 |
| **THCR59x** | .5625-18 | .850 | .815 | .775 | .592 | .188 | .186 | .156 | .313 | .062 | .045 | .692 | .680 | 13,664 | 1.60 |
| **THCR510x** | .6250-18 | .910 | .875 | .846 | .655 | .188 | .186 | .156 | .313 | .062 | .055 | .755 | .743 | 17,396 | 1.80 |
| **THCR512x** | .7500-16 | 1.130 | 1.095 | .987 | .785 | .250 | .186 | .156 | .375 | .062 | .055 | .880 | .868 | 25,504 | 2.60 |
| **THCR514x** | .8750-14 | 1.345 | 1.300 | 1.130 | .910 | .313 | .186 | .156 | .437 | .062 | .070 | 1.005 | .993 | 34,193 | 4.97 |
| **THCR516x** | 1.0000-12 | 1.545 | 1.500 | 1.263 | 1.035 | .375 | .186 | .156 | .500 | .062 | .070 | 1.132 | 1.115 | 45,000 | 7.40 |
| **THCR518x** | 1.1250-12 | 1.745 | 1.700 | 1.414 | 1.160 | .406 | .186 | .156 | .563 | .062 | .090 | 1.257 | 1.239 | 58,350 | 11.00 |
| **THCR520x** | 1.2500-12 | 1.915 | 1.875 | 1.556 | 1.285 | .469 | .186 | .156 | .625 | .062 | .090 | 1.383 | 1.364 | 73,970 | 14.00 |

**Contact Howmet Fastening Systems for the diameter/type is manufacturing.**

■ Dimensions in Inches.

**MATERIAL:** A286 (Z6NCT25) per AMS5731, AMS5732 or AMS5737.

**FINISH:**
800° F THCR54 - A 286 Silver Plate, AMS2410.
450° F THCR54M - A 286 Passivated, Dry Film Lubricant.
450° F THCR54CD - Cadmium plated per AMS-QQ-P-416 + Dry film lubricant.

**MARKING:** Parts marked with manufacturer's symbol (SD), plus letter ''C''.

**PERFORMANCE:** NASM25027, except ultimate tensile strength and locking torque values applicable for 5 cycles.

**THREADS:** In accordance with AS8879 before lubrication and coating.

**APPLICATION:** These nuts have been designed to replace AN320 castellated nuts on critical aircraft control linkage.
This design provides an increase in tensile strength while reducing weight substantially over similar parts.

**DESIGNATION:**