

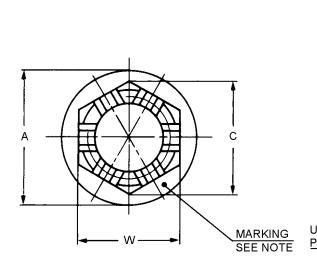
Howmet Fastening Systems

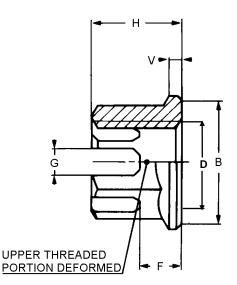
Howmet Fixations Simmonds SAS

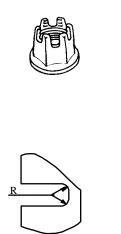
9, rue des Cressonnières

72110 Saint-Cosme-en-Vairais - France - F0224

Tél: 33 (0)2-43-31-41-00 Fax: 33 (0)2-43-33-18-02







Radius or Chamfer optional

PART NUMBER	THREAD SIZE UNJF-3B	А	В	С	D	F	G		н	R	٧	W		MINIMUM ULTIMATE	APPROX
		MAX.	MIN.	MIN.	MAX.	±. 016	MAX.	MIN.	±. 015	MAX.	REF.	MAX.	MIN.	TENSILE STRENGTH LBS.	WEIGHT LB/100
PHCR53x	.1900-32	.325	.291	. 277	.220	.109	.065	.050	.250	.035	.025	.252	.243	2,460	.20
PHCR54x	.2500-28	. 420	.386	.348	.280	.125	.100	.070	. 281	.035	.025	. 315	.306	4 , 580	.33
PHCR55x	.3125-24	.520	.482	. 419	.342	.172	.100	.070	.328	.035	.055	.378	.367	7 , 390	. 55
PHCR56x	.3750-24	. 579	. 539	. 491	.405	. 219	. 155	.125	. 406	. 053	.070	.440	.430	11,450	.86
PHCR57x	.4375-20	. 645	.600	. 562	.467	.266	.155	.125	. 453	.053	.070	.504	. 494	15 , 450	1.15
PHCR58x	.5000-20	.770	.725	. 633	.530	.359	.155	.125	. 563	.053	.070	.566	.556	21,110	1.85
PHCR59x	.5625-18	.850	. 815	. 775	.592	.391	.186	.156	.609	.062	.080	.692	.680	26,810	3.20
PHCR510x	.6250-18	.910	. 875	.846	.655	.469	.186	.156	.719	.062	.090	.755	.743	34,130	4.20
PHCR512x	.7500-16	1.130	1.095	.987	.785	.563	.186	.156	. 813	.062	.100	.880	.868	50,020	5 . 85
PHCR514x	.8750-14	1.345	1.300	1.130	. 910	.656	.186	.156	.906	.062	.120	1.006	.993	68,440	9.70
PHCR516x	1.0000-12	1.545	1.500	1.272	1.035	.750	.186	.156	1.000	.062	.120	1.130	1.118	90,000	13.50
PHCR518x	1.1250-12	1.745	1.700	1.414	1.160	. 813	.186	.156	1.156	.062	.140	1.255	1.242	116 , 700	20.65
PHCR520x	1.2500-12	1 . 915	1 . 875	1.556	1.285	. 875	.186	. 156	1 . 250	.062	.140	1.383	1.364	147,940	25.00

Contact Howmet Fastening Systems for the diameter/type in manufacturing.

■ Dimensions in Inches

MATERIAL: A 286 (Z6NCT25) per AMS5731 or EN 2399.

FINISH: 800° F PHCR54 - A 286 Silver Plate, AMS2410.

> 450° F PHCR54M - A 286 Passivated, Dry Film Lubricant.

450 °F PHCR54CD – 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.

Code FP = Unit control for fluorescent penetrant inspection (ex.: PHCR510M-FP).

THREADS: In accordance with AS8879 before lubrication and coating.

These nuts have been designed to replace AN320 castellated nuts on critical aircraft control linkage. APPLICATION:

This design provides an increase in tensile strength while reducing weight substantially over similar parts.

DESIGNATION: PHCR 5 12 M-FP CONTROL FLUORESCENT PENETRANT NUT TYPE ◀ SURFACE TREATMENT

MATERIAL CODE **▼**DIAMETER CODE

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SIMLOC ® NUT - REDUCED HEX LIGHT WEIGHT - CASTELLATED - SELF LOCKING 450°F PHCR5xxx-UNJ

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