



ARCONIC

Arconic Fastening Systems

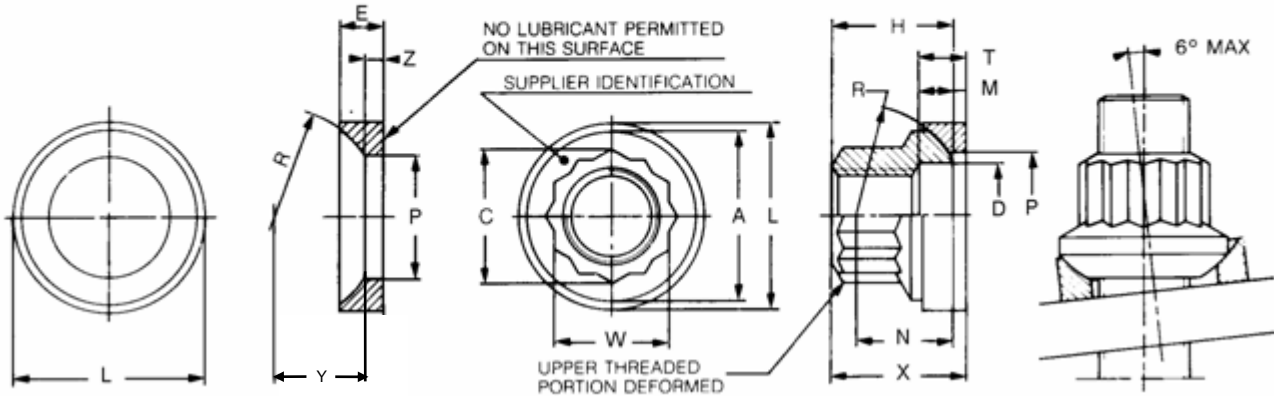
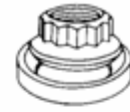
Arconic Fixations Simmonds SAS

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



SIMMONDS PART NUMBER			THREAD	A	C	D	E	H	L	M	N	P	R	T
SELF ALIGNING NUT ASSEMBLY NUMBER	NUT	WASHER		± .005	MIN.	± .005	± .005	± .005	± .005	± .005	REF.	± .003	± .005	REF.
DHO55-3E	DHO55N3E	DHO55W3E	.1900-32 UNJF-3B	.358	.277	.216	.083	.279	.380	.104	.212	.255	.240	.126
DHO55-4E	DHO55N4E	DHO55W4E	.2500-28 UNJF-3B	.460	.347	.282	.118	.335	.510	.102	.269	.351	.305	.128
DHO55-5E	DHO55N5E	DHO55W5E	.3125-24 UNJF-3B	.592	.419	.347	.155	.433	.655	.150	.336	.436	.380	.180
DHO55-6E	DHO55N6E	DHO55W6E	.3750-24 UNJF-3B	.676	.491	.412	.175	.450	.785	.158	.388	.534	.440	.195
DHO55-7E	DHO55N7E	DHO55W7E	.4375-20 UNJF-3B	.763	.566	.487	.232	.499	.888	.172	.440	.595	.501	.267
DHO55-8E	DHO55N8E	DHO55W8E	.5000-20 UNJF-3B	.830	.637	.555	.260	.540	1.000	.169	.491	.663	.561	.256
DHO55-9E	DHO55N9E	DHO55W9E	.5625-18 UNJF-3B	.986	.703	.639	.300	.674	1.162	.223	.532	.780	.620	.326
DHO55-10E	DHO55N10E	DHO55W10E	.6250-18 UNJF-3B	1.077	.846	.707	.312	.722	1.250	.225	.582	.852	.680	.330
DHO55-12E	DHO55N12E	DHO55W12E	.7500-16 UNJF-3B	1.200	.987	.844	.325	.812	1.445	.222	.678	1.022	.800	.334
DHO55-14E	DHO55N14E	DHO55W14E	.8750-14 UNJF-3B	1.360	1.130	.986	.350	.898	1.611	.219	.780	1.190	.920	.342

Contact Arconic for the diameter/type in manufacturing.

■ Dimensions in Inch.

THREAD	W		X	Y	Z	AXIAL TENSILE STRENGTH LB/MIN.	MIN. LOCKING TORQUE INCH-LBS.	MIN. BREAKAWAY TORQUE INCH-LBS.	TORQUE OUT† INCH-LBS
	MAX.	MIN.							
.1900-32 UNJF-3B	.251	.243	.307	.201	.038	3,180	18	2	80
.2500-28 UNJF-3B	.313	.305	.365	.246	.051	5,820	30	3.5	180
.3125-24 UNJF-3B	.376	.367	.469	.309	.063	9,300	60	6.5	360
.3750-24 UNJF-3B	.439	.430	.486	.348	.076	14,000	80	9.5	560
.4375-20 UNJF-3B	.502	.492	.597	.417	.125	18,900	100	14	750
.5000-20 UNJF-3B	.564	.553	.628	.455	.125	25,200	85	18	1.000
.5625-18 UNJF-3B	.627	.616	.779	.489	.153	32,000	200	24	1.550
.6250-18 UNJF-3B	.752	.741	.828	.536	.155	40,000	300	32	2.000
.7500-16 UNJF-3B	.877	.865	.925	.614	.179	58,000	400	50	3.300
.8750-14 UNJF-3B	1.002	.990	1.023	.701	.202	67,400	600	70	5.200

■ Dimensions in Inch.

NUT 12 POINT, SELF-ALIGNING, LIGHT WEIGHT, 450°F

DHO55-E-UNJ**



MATERIAL: Nut and Washer – Corrosion resistant steel, A286 per AMS5737. Heat treatment 160KSI min.

FINISH: Nut & Washer: Passivated per AMS2700, method 1, type 2 or type 8, class 4.

LUBRICANT: Nut and Washer - Cetyl Alcohol (Code E).

PERFORMANCE: NASM25027 except:
 Locking Torque values applicable for 3 cycles: see values in table page 1.
 Axial Tensile Strength: see values in table page 1.
 Torque out: see values in table page 1.

THREADS: In accordance with AS8879.

APPLICATION: The DHO Feature Double Hex Details, High Tensile performance and Self Aligning characteristics. They are particularly designed simplify and provide cost savings in the assembly of components having non parallel surfaces by eliminating requirements for tapered shims or spot facing operations.

MARKING: Parts marked with manufacturer’s symbol (SD), plus letter “C”.

ASSEMBLY	NUT	WASHER	
DHO55-3E	DHO55N3E	DHO55W3E	Nut and Washer, Passivated, Cetyl Alcohol.