
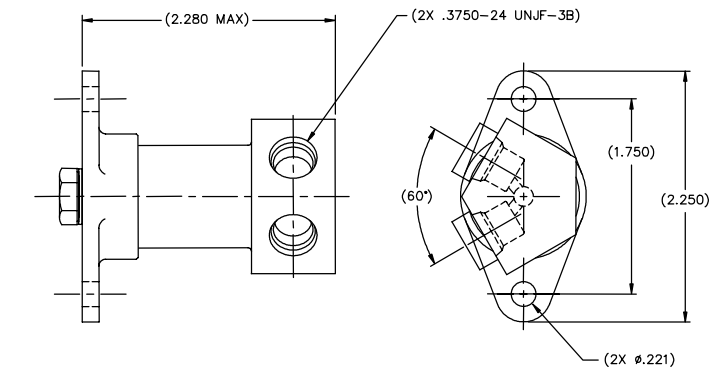




24225 GARNIER STREET • TORRANCE • CALIFORNIA 90505-5355 • U.S.A.
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SEPARATION NUT	Datasheet Page 1 of 2	Orig. issue: 26MAR03 Rev.: B 20JUL06
DEVICE	1/4 INCH Separation Nut	DISPOSITIF
TYPE	SN9423-2 series	REFERENCE
1. PERFORMANCES <ul style="list-style-type: none"> Design Load (limit) Tensile proof load capability Tensile strength (yield) Temperature capability Suggested pressure cartridge Function time Redundancy Principal release system 	5,500 lbf 5,000 lbf 8,000 lbf -90°F(-68°C) to +190°F(+88°C) PC23 (NSI equivalent) < 10 milliseconds Dual PC23 initiators Threaded segments (3)	1. PERFORMANCES <ul style="list-style-type: none"> Tenue mecanique Résistance à la rupture Résistance mécanique (limite) Resistance de temperature Cartouche de pression Temps de fonctionnement Redondance Méthode lâché principe
2. MECHANICAL CHARACTERISTICS <ul style="list-style-type: none"> Weight (with 2 each PC23s) Bolt insertion depth Shock output OPTIONAL FEATURES <ul style="list-style-type: none"> Cartridge manifold Bolt ejector Flange Reset Reusability Cycle MATERIALS <ul style="list-style-type: none"> Body Segments 	127 g 0.455 / 0.531 or .600 / .650 inch <4,000 g (Pre-load dependent) (2X) .375-24 UNJF-3B With or without bolt ejector With or without flange mounting Not Resetable 0 Aluminum 7075-T7351 15-5 PH stainless steel	2. CARACTERISTIQUE MECANIQUE <ul style="list-style-type: none"> Masse (+ 2 PC23s) Dans une épreuve de boulon Rendement de chocs Facultatifs grand reportage Cartouche multiple varié Boulon éjecter Collet Opération de Répétition Répéter MATERIAUX <ul style="list-style-type: none"> Corps Segments
BOLT TYPE	1/4- inch bolt	REFERENCE DE BOULON
TIGHTENING TORQUE	Load cell / strain gages	COUPLE DE SERRAGE
3. ELECTRICAL CHARACTERISTICS	28 V, 5A, 10KJ	3. CARACTERISTIQUE ELECTRIQUE
1/4 -inch Separation Nut 		



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4. PYROTECHNIC CHARACTERISTICS <ul style="list-style-type: none"> • Initiator type • Principal pyrotechnic load 	PC 23 (NSI equivalent) 114 mg ZPP	4. CARACTERISTIQUES PYROTECHNIQUES <ul style="list-style-type: none"> • Type d'initiateur • Charge pyrotechniques principale
5. ENVIRONMENTAL TEST SPECIFICATIONS <ul style="list-style-type: none"> • Mechanical shock • Random vibration • Humidity • Operating temperature • Storage life 	< 4,000 g (Pre-load dependent) 24 grms < 90% RH -90°F(-68°C) to +190°F(+88°C) 10 years	5. RESISTANCE AUX CONDITIONS D'ENVIRONNEMENT <ul style="list-style-type: none"> • Chocs mécaniques • Vibrations aléatoires • Humidité • Températures de fonctionnement • Durée de stockage
6. DEVELOPMENT STATUS <ul style="list-style-type: none"> - References: <ul style="list-style-type: none"> • Development date • Qualification test report • Last verification of qualification date - Flight applications: <ul style="list-style-type: none"> • Projects (planned) • Dates • Users 	1980's 1980's 1998 Satellites / Missiles 1999 Boeing, IAI	6. CONDITIONS DE DEVELOPPEMENT <ul style="list-style-type: none"> - Références: <ul style="list-style-type: none"> • Date du développement • Rapport de qualification • Contrôls de qualification ultérieurs - Applications spatiales: <ul style="list-style-type: none"> • Projets • Dates • Utilisateurs
SALES NUMBER IDENTIFICATION SN 94 X X - X <ul style="list-style-type: none"> 5th digit indicates Thread Size Dash No. (1/16 inch increment) 4th digit indicates type of base: <ul style="list-style-type: none"> 0 indicates non-captive base. 1 indicates captive, integral flange base, aluminum. 2 indicates captive, removable flange base. 3 indicate captive, integral flange base, steel. P3rd digit indicates number of Power Cartridges (Not required). 1st and 2nd digits indicate Low Shock Nut series. Indicates Separation Nut. 		
ORDERING EXAMPLE SN 94 2 1 - 4 <ul style="list-style-type: none"> 1/2-20 UNF Thread Size. Captive, integral flange base, aluminum. 2 Power Cartridges (Not required for SN 9500). Separation Nut, Low Shock series. 		