



24225 GARNIER STREET • TORRANCE • CALIFORNIA 90505-5355 • U.S.A.
 TELEPHONES: (310) 784-2100 • (800) 733-0321 • FAX: (310) 326-0797
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SEPARATION NUT	Revision: NC	Page 1 of 2	Date: 28AUG01
DEVICE	½ INCH Separation Nut		DISPOSITIF
TYPE	Model SNR-9421 series (resettable)		REFERENCE
1. PERFORMANCES	<ul style="list-style-type: none"> Design Load (limit) 20,000 lbf Tensile proof load capability 23,400 lbf Tensile strength (yield) 27,400 lbf Temperature capability -90°F(-68°C) to +190°F(+88°C) Suggested pressure cartridge PC104 Function time < 10 seconds Redundancy No Principal release system Threaded segments (3) 	1. PERFORMANCES	<ul style="list-style-type: none"> Tenue mécanique Résistance à la rupture Résistance mécanique (limite) Resistance de température Cartouche de pression Temps de fonctionnement Redondance Méthode lâché principe
2. MECHANICAL CHARACTERISTICS	<ul style="list-style-type: none"> Weight 417 g Bolt insertion As needed Shock output 10,000 g 	2. CARACTERISTIQUES MECANIQUES	<ul style="list-style-type: none"> Masse Dans une épreuve de boulon Rendement de chocs Facultatifs grand reportage Cartouche multiple varié Boulon éjecter Collet Opération de Répétition Répéter
OPTIONAL FEATURES	<ul style="list-style-type: none"> Cartridge manifold (2X) .375-24 UNJF-3B Bolt ejector With or without bolt ejector Flange With or without flange mounting Reset Reset for pneumatic operation Reusability Cycle 20 - 100 	MATERIAUX	<ul style="list-style-type: none"> Corps Segments
MATERIALS	<ul style="list-style-type: none"> Body Aluminum 7075-T7351 Segments 15-5 PH stainless steel 		
BOLT TYPE	½ inch bolt		REFERENCE DE BOULON
TIGHTENING TORQUE	Load cell / strain gages		COUPLE DE SERRAGE
3. ELECTRICAL CHARACTERISTICS	28 V, 5A, 10KJ		3. CARACTERISTIQUES ELECTRIQUES
Separation Nut Drawing			



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4. PYROTECHNIC CHARACTERISTICS <ul style="list-style-type: none"> • Initiator type • Principal pyrotechnic load 	PC 104 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 	7,500 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 1990's Launch Vehicles, Spacecraft 2001 BAC, Boeing, Lockheed	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 95 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. 3rd digit indicates number of Power Cartridges (Not required). 1st and 2nd digits indicate Low Shock Nut series. Indicates Separation Nut. 		
ORDERING EXAMPLE SN 95 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. 		