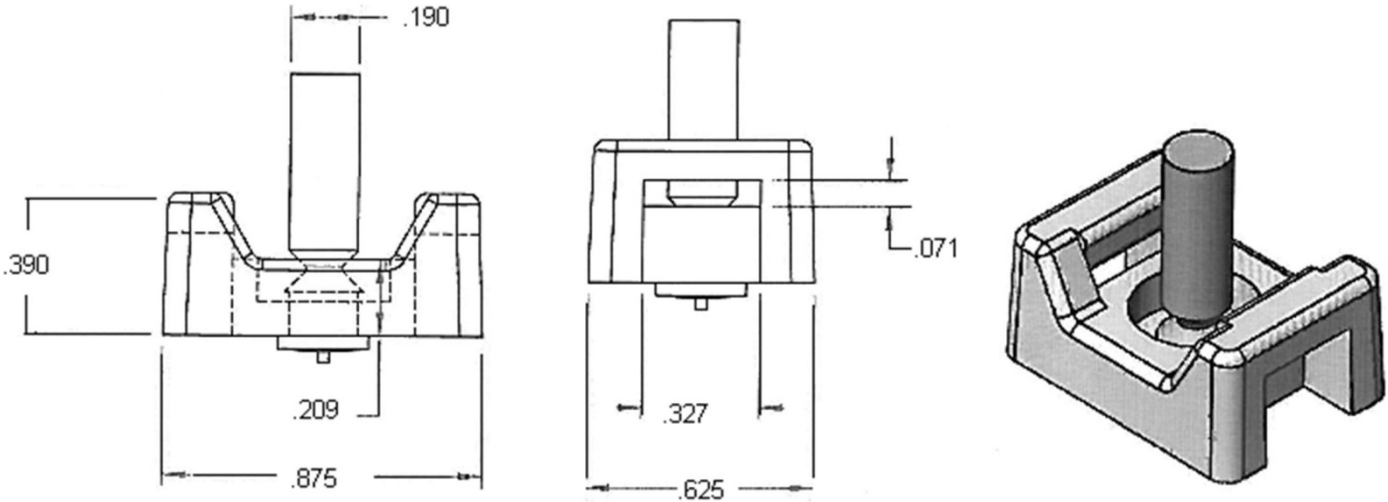




CD STUDS: WIRE TIE DOWN

To order or specify give:
 Product Code: CD WT Material: Specify



STUD	MATERIAL	ALUMINUM Grade – 5000 Series	STAINLESS STEEL AISI grade 302 HQ
	MECHANICAL PROPERTIES	Tensile..... 45,000 psi (min) Yield..... 25,000 psi (min)	Tensile.....85,000 psi (min.) Yield.....40,000 psi (min.)

SADDLE	MATERIAL	Nylon 6/6
	MECHANICAL PROPERTIES	Call for Details

www.sunbeltstudwelding.com

Sunbelt Stud Welding, Inc
 6381 Windfern Road
 Houston, Texas 77040-4915



8-4

1-800-462-9353
713-939-8903
fax 713-939-9013



WIRE TIE DOWN STUDS MECHANICAL PROPERTIES

Property	ASTM Method	Test Condition	Units	Nylon 6/6
Tensile Strength	D638	+73°F; 50% RH	kpsi	11.2
Elongation at Break	D638	+73°F; 50% RH	%	>=300
Yield Strength	D639	+73°F; 50% RH	kpsi	8.5
Shear Strength	D732	Dry as Molded (DAM)	kpsi	9.6
Deformation Under Load	D621	2,000 psi; +122°F; DAM	%	1.4
IZOD Impact	D256	+73°F; 50% RH	ft lb/in	2.1
Tensile Impact Strength	D1822	+73°F; Long Specimen; DAM	ft lb/in	240
Melting Point	D789	Fisher-Johns	°F	491
Thermal Linear Expansion	D696	DAM	in/in/°F	TBD
Thermal Conductivity	--	DAM Conche-Fitch	BTU-in/h*ft*°F	1.7
Brittleness Temperature	D746	50% RH	°F	-85
Oxygen Index	D2863	DAM	%O	28
Oxygen Index	D2864	50% RH	%O	31
UL Flammability	UL 94	DAM	--	V-2
UL Flammability	UL 95	50% RH	--	V-2

Nylon 6/6 NBS Smoke Generation				
Sample Thickness	UL Flammability	Energy Source	Specific Optical Density	
			At Maximum Smoke Accumulation	At 2 Minutes
1/16"	94 V-2	Radiant (2.5 watts/sq. cm)	13	0
1/8"	94 V-2	Radiant Plus Flaming Gas Jets	26	1

Nylon 6/6 Temperature Index			
Minimum Thickness	Electrical (°C)	Mechanical w/o Impact (°C)	Hot Wire Ignition (sec)
0.028	125	65	11.8
0.058	125	85	15.0

Nylon Wire Tie Mechanical Dimensions			Retaining Stud			
	Inch	mm	Material: 302 HQ SS; Ultimate Tensile 85 KPSI			
Height	0.390	9.90	Size: Equivalent to U.S. #10			
Length	0.875	22.22	CHEMISTRY:			
Width	0.625	15.87	C 0.017	Mo 0.05	Ni 9.54	Co Trace
Slot Height	0.090	2.29	S 0.001	Mn 0.83	Cu 3.07	N PPM 155
Slot Width	0.325	8.26	Cr 17.5	Si 0.32	P 0.024	Fe Remainder

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