

Physical Properties Report

Current Part Name : /parts/hed/710/firecont/sear

#	Type	Entity Name	Density	Thickness
1	Solid	(No entity name)	0.283000 lbm/in3	
Volume = 0.035678 in3				
Surface Area = 1.318103 in2				
Mass = 0.010097 lbm				
Centroid (x,y,z) = 0.000000 0.000000 0.000000 inch				
Center of Mass (x,y,z) = 0.000000 0.000000 0.000000 inch				
1st Mass Moment (x,y,z) = 0.000000 0.000000 0.000000 in-lbm				
Moments of Inertia				
Moments (xx,yy,zz) = 0.000148 0.001186 0.001093 lbm-in2				
Products (xy,yz,zx) = 0.000000 0.000000 -0.000200 lbm-in2				
Radii of Gyr (x,y,z) = 0.120937 0.342769 0.328998 inch				
Principal Moments of Inertia				
Moments (x,y,z) = 0.000107 0.001186 0.001134 lbm-in2				
Radii of Gyr (x,y,z) = 0.102973 0.342769 0.335055 inch				
Principal Axes (Normalized)				
Principal Axis 1 : 0.980017 0.000000 0.198913				
Principal Axis 2 : 0.000001 1.000000 -0.000001				
Principal Axis 3 : -0.198913 0.000001 0.980017				

Physical Properties Report

Current Part Name : /parts/hed/710/firecont/sideplate-left

#	Type	Entity Name	Density	Thickness
1	Solid	(No entity name)	0.283000 lbm/in3	
Volume = 0.421696 in3				
Surface Area = 11.138111 in2				
Mass = 0.119340 lbm				
Centroid (x,y,z) = 0.000000 0.000000 0.000000 inch				
Center of Mass (x,y,z) = 0.000000 0.000000 0.000000 inch				
1st Mass Moment (x,y,z) = 0.000000 0.000000 0.000000 in-lbm				
Moments of Inertia				
Moments (xx,yy,zz) = 0.014729 0.117697 0.105693 lbm-in2				
Products (xy,yz,zx) = -0.003845 0.000611 0.005374 lbm-in2				
Radii of Gyr (x,y,z) = 0.351311 0.993091 0.941087 inch				
Principal Moments of Inertia				
Moments (x,y,z) = 0.014267 0.117854 0.105997 lbm-in2				
Radii of Gyr (x,y,z) = 0.345763 0.993756 0.942439 inch				
Principal Axes (Normalized)				
Principal Axis 1 : 0.997562 0.037437 -0.058889				
Principal Axis 2 : -0.035444 0.998775 0.034538				
Principal Axis 3 : 0.060110 -0.032367 0.997667				

Physical Properties Report

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Current Part Name : /parts/hed/710/firecont/trigger

#	Type	Entity Name	Density	Thickness
1	Solid	(No entity name)	0.283000 lbm/in3	
Volume = 0.117997 in3				
Surface Area = 3.001701 in2				
Mass = 0.033393 lbm				
Centroid (x,y,z) = 0.000000 0.000000 0.000000 inch				
Center of Mass (x,y,z) = 0.000000 0.000000 0.000000 inch				
1st Mass Moment (x,y,z) = 0.000000 0.000000 0.000000 in-lbm				
Moments of Inertia				
Moments (xx,yy,zz) = 0.009561 0.014451 0.005128 lbm-in2				
Products (xy,yz,zx) = 0.000000 0.000000 -0.006226 lbm-in2				
Radii of Gyr (x,y,z) = 0.535077 0.657841 0.391879 inch				
Principal Moments of Inertia				
Moments (x,y,z) = 0.013953 0.014451 0.000736 lbm-in2				
Radii of Gyr (x,y,z) = 0.646408 0.657841 0.148435 inch				
Principal Axes (Normalized)				
Principal Axis 1 : 0.817117 -0.000006 0.576472				
Principal Axis 2 : 0.000004 1.000000 -0.000004				
Principal Axis 3 : 0.576472 0.000001 0.817117				

Physical Properties Report

Current Part Name : /parts/hed/710/firecont/wheel

#	Type	Entity Name	Density	Thickness
1	Solid	(No entity name)	0.283000 lbm/in3	
Volume = 0.000995 in3				
Surface Area = 0.080715 in2				
Mass = 0.000282 lbm				
Centroid (x,y,z) = 0.000000 0.000000 0.000000 inch				
Center of Mass (x,y,z) = 0.000000 0.000000 0.000000 inch				
1st Mass Moment (x,y,z) = 0.000000 0.000000 0.000000 in-lbm				
Moments of Inertia				
Moments (xx,yy,zz) = 0.000001 0.000001 0.000001 lbm-in2				
Products (xy,yz,zx) = 0.000000 0.000000 0.000000 lbm-in2				
Radii of Gyr (x,y,z) = 0.046361 0.060093 0.046361 inch				
Principal Moments of Inertia				
Moments (x,y,z) = 0.000001 0.000001 0.000001 lbm-in2				
Radii of Gyr (x,y,z) = 0.046361 0.060093 0.046361 inch				
Principal Axes (Normalized)				
Principal Axis 1 : 1.000000 0.000000 0.000000				
Principal Axis 2 : 0.000000 1.000000 0.000000				
Principal Axis 3 : 0.000000 0.000000 1.000000				

Physical Properties Report

Current Part Name : /parts/hed/710/firecont/toggler-conv

ET01315

#	Type	Entity Name	Density	Thickness
1	Solid	(No entity name)	0.283000 lbm/in3	
		Volume	= 0.053072 in3	
		Surface Area	= 1.981741 in2	
		Mass	= 0.015019 lbm	
		Centroid (x,y,z)	= 0.000000	0.000000 inch
		Center of Mass (x,y,z)	= 0.000000	0.000000 inch
		1st Mass Moment (x,y,z)	= 0.000000	0.000000 in-lbm
		Moments of Inertia		
		Moments (xx,yy,zz)	= 0.001491	0.002062 0.000791 lbm-in2
		Products (xy,yz,zx)	= 0.000075	0.000121 -0.000763 lbm-in2
		Radii of Gyr (x,y,z)	= 0.315028	0.370558 0.229469 inch
		Principal Moments of Inertia		
		Moments (x,y,z)	= 0.001980	0.002074 0.000289 lbm-in2
		Radii of Gyr (x,y,z)	= 0.363127	0.371591 0.138817 inch
		Principal Axes (Normalized)		
		Principal Axis 1	: 0.842480	0.025015 -0.538147
		Principal Axis 2	: 0.022137	0.996470 0.080976
		Principal Axis 3	: 0.538273	-0.080134 0.838952

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