
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 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)	=	0.000148	0.001186 lbm-in2
Products (xy,yz,zx)	=	0.000000	-0.000200 lbm-in2
Radii of Gyr (x,y,z)	=	0.120937	0.328998 inch
Principal Moments of Inertia			
Moments (x,y,z)	=	0.000107	0.001186 lbm-in2
Radii of Gyr (x,y,z)	=	0.102973	0.335055 inch
Principal Axes (Normalized)			
Principal Axis 1	:	0.980017	0.198913
Principal Axis 2	:	0.000001	-0.000001
Principal Axis 3	:	-0.198913	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 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)	=	0.014729	0.117697 lbm-in2	
Products (xy,yz,zx)	=	-0.003845	0.000611 lbm-in2	
Radii of Gyr (x,y,z)	=	0.351311	0.941087 inch	
Principal Moments of Inertia				
Moments (x,y,z)	=	0.014267	0.117854 lbm-in2	
Radii of Gyr (x,y,z)	=	0.345763	0.942439 inch	
Principal Axes (Normalized)				
Principal Axis 1	:	0.997562	-0.058889	
Principal Axis 2	:	-0.035444	0.034538	
Principal Axis 3	:	0.060110	0.997667	

Physical Properties Report

ET01314

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

83

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ET01316