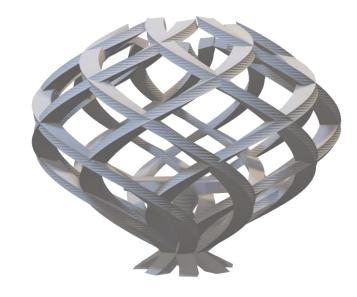


Personal late allowance used: 0 hrs.

Personal late allowance remaining: 96 hrs.

SECTION-1

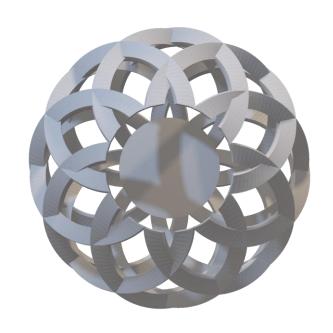
PERSPECTIVE VIEW



SIDE VIEW



TOP VIEW



SECTION-2

Code:

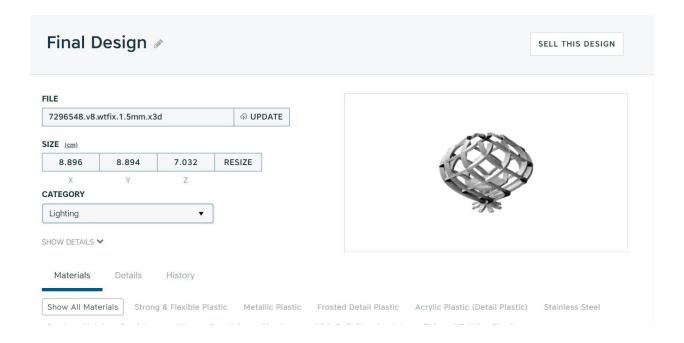
```
difference(){
//Clockwise threads.
for(i=[0:45:360])
  rotate(i)
translate([22,0,0])
linear_extrude(height = 75, center = true, convexity = 10, twist = 360, $fn = 100)
translate([-22, 0, 0])
square(5);
translate([0,0,-30])
cylinder(h = 30, r1 = 17.5, r2 = 17.5, center = true);
difference(){
//Counter-clockwise threads.
for(i=[0:45:360])
rotate(i)
translate([22,0,0])
linear_extrude(height =78, center = true, convexity = 10, twist = -400, $fn = 100)
translate([-22, 0, 0])
square(5);
translate([0,0,-30])
cylinder(h = 30, r1 = 17.5, r2 = 17.5, center = true);
}
//Creating the light stand
 translate([0, 0, 13.5])
    linear_extrude(height = 24.0, twist = 270)
      square([5, 5], center = true);
translate([0,0,15])
cylinder(h = 3, r1 = 17.5, r2 = 17.5, center = true);
```

Algorithm:

- 1. For loop is used to make each strand. The first for loop is for clockwise strands.
- 2. Each strand is rotated by the specific angle 'i'. The rotation angle 'i' determines the number of strands.
- 3. The linear_extrude of the square is used to make the strands.
- 4. The difference of strands and cylinder taken to create a hole for putting in the given light inside lamp.
- 5. Second for loop is used to make anti-clockwise strands but is extruded till 400° to make the bottom stand.
- 6. Last part of code is used to make a light stand inside the lamp shade.

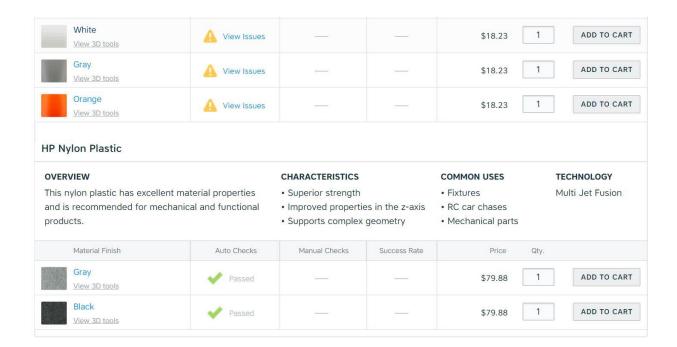
SECTION-3

Shape ways Screenshots:

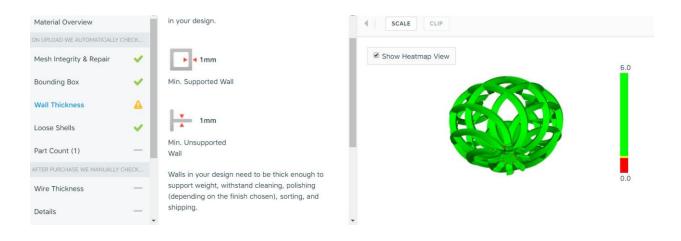


products	5.			• Jewelry					
М	daterial Finish	Auto Checks	Manual Checks	Success Rate	Price	Qty.			
	Vhite iew 3D tools	Passed	_	-	\$38.94	1	ADD TO CART		
	ilack iew 3D tools	Passed	_	_	\$39.94	1	ADD TO CART		
	White Polished	Passed	.—	_	\$39.44	1	ADD TO CAR		
13000	rurple Polished	Passed	8	_	\$39.94	1	ADD TO CAR		
188	led Polished iew 3D tools	Passed	-	_	\$39.94	1	ADD TO CAR		
STATE OF THE PARTY	ink Polished	Passed	0	_	\$39.94	1	ADD TO CAR		
	ilue Polished	Passed	_		\$39.94	1	ADD TO CAR		
3070m	lasto Plastic iew 3D tools	Passed			\$49.82	1	ADD TO CAR		
Ye	ellow Polished	✓ Passed	_	Screenshot (27).png	- Photos \$39.94	1	ADD TO CAR		
1000	reen Polished	Passed	ÿ	_	\$39.94	1	ADD TO CAR		
202	range Polished	Passed	ş	_	\$39.94	1	ADD TO CAR		
	/hite Premium ew 3D tools	Passed	7-	_	\$79.88	1	ADD TO CAR		
7955	ack Premium ew 3D tools	Passed	_	_	\$79.88	1	ADD TO CAR		
etallic	Plastic								
his nylon plastic filled with aluminum particles is uitable for both functional and decorative products. lightly more brittle than Strong and Flexible.		CHARACTERISTICS • Strong and durabl • Supports complex		COMMON USES • Phone cases • RC car chassis • Jewelry • TECHNOLOGY Selective Laser Sintering		elective Laser			
Ma	aterial Finish	Auto Checks	Manual Checks	Success Rate	Price	Qty.			
2000	etallic Plastic	Passed	0 <u></u> -		\$62.13	1	ADD TO CAR		

	Raw Silver View 3D tools	~	Passed		-	\$1,010.41	1	ADD TO CA
	Raw Silver (Interlocking) View 3D tools	×	View Issues	_	_		-	ADD TO CA
X	Polished Silver View 3D tools	~	Passed	_	_	\$1,095.42	1	ADD TO CA
X	Polished Silver (Interlocking) View 3D tools	×	View Issues	_	_	_	-	ADD TO CA
	Premium Silver View 3D tools	~	Passed	_	_	\$1,350.44	1	ADD TO CA
	Raw Brass View 3D tools	~	Passed	_	_	\$502.93	1	ADD TO CA
	Raw Brass (Interlocking) View 3D tools	×	View Issues		_	_	-	ADD TO CA
-	Polished Brass View 3D tools	~	Passed	_	_	\$658.77	1	ADD TO CA
-	Polished Brass (Interlocking) View 3D tools	×	View Issues	_	_	_	-	ADD TO CA
	Raw Bronze View 3D tools	~	Passed	_	_	\$502.93	1	ADD TO CA
-	14K Gold View 3D tools	~	Passed	_	_	\$14,004.51	1	ADD TO CA
1	14k Rose Gold View 3D tools	~	Passed	_	-	\$14,004.51	1	ADD TO CA
	14k White Gold View 3D tools	~	Passed	_	_	\$14,004.51	1	ADD TO CA
1	18k Gold View 3D tools	~	Passed	_	Y	\$20,728.41	1	ADD TO CA
T	Platinum View 3D tools	~	Passed	_	_	\$47,235.65	1	ADD TO CA
	14k Gold Plated View 3D tools	~	Passed	_	_	\$772.11	1	ADD TO CA
116	14k Rose Gold Plated View 3D tools	~	Passed	_	_	\$772.11	1	ADD TO CA
1	18k Gold Plated View 3D tools	~	Passed	_	_	\$772.11	1	ADD TO CA
	Rhodium Plated		Passed	_		\$772.11	1	ADD TO CA



All the warnings are min. wall thickness which occurs at the corners:



SECTION-4

3D Printed Lampshade:

