

Brass $d = 0.125 \text{ in}$

Steel $d = 0.124 \text{ in}$

$L = 500 \text{ mm}$

Experiment 1

$F \text{ (N)}$	Steel angle (deg)	Brass angle (deg)
1	1.5	4
2	3	8.5
3	4.9	12.5
4	6.5	17
5	8.7	N/A
4.4	N/A	18.6

$$d = 0.129 \text{ in} \quad T = 0.15 \text{ N}\cdot\text{m}$$

$L \text{ (m)}$	$\theta (^{\circ})$
0.3	7.5
0.35	8.5
0.40	9.5
0.45	11
0.50	12.5

at 3 N



Hollow Tube	Force (N)	angul or twist	Exp 3
outer D 0.125 in	1	4°	
Inner D 0.06 in	2	8°	
	3	12.25°	
	4	15.5°	
	4.90	20.8°	

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