

T080222-v3 Parameters comparisson

Notes - Definitions of some the more important parameters are listed in the "Descriptions" section. For definitions of all further parameters, refer to Document [T040072](#).

Parameter	T040027-03-R	From CAD model/as built	Description
m1	1.2621E+01	1.2621E+01	Weight of top mass
Material 1	Steel'	Stainless steel, Aluminium	
l1x	1.6350E-01	1.6593E-01	
l1y	2.4230E-02	2.4732E-02	
l1z	1.6190E-01	1.6432E-01	
Parameter	T040027-03-R	From CAD model	
m2	1.3575E+01	1.3575E+01	Weight of Intermediate mass
Material 2	silica'	St. steel	
ix	5.7090E-01	5.7090E-01	
ir	1.8500E-01	1.8500E-01	
l2x	2.3130E-01	2.5920E-01	
l2y	1.1932E-01	1.2976E-01	
l2z	1.1932E-01	1.3587E-01	
m3	1.4168E+01	1.4211E+01	Weight of Optic/Dummy Optic
Material 2	silica'	St. steel	
tx	5.7090E-01	5.7090E-01	
tr	1.8500E-01	1.8500E-01	
l3x	2.3130E-01	2.5920E-01	
l3y	1.1932E-01	1.2976E-01	
l3z	1.1932E-01	1.3587E-01	
L1	6.1200E-01	6.1200E-01	Length - Top Wire
L2	6.1000E-01	6.1000E-01	Length - Middle Wire
L3	5.0000E-01	5.0000E-01	Length - Bottom Wire
nw1	2	2	
nw2	4	4	
nw3	4	4	
r1	3.1500E-04	3.1250E-04	Radius - Top wire
r2	1.8700E-04	2.0000E-04	Radius - Middle wire
r3	1.2300E-04	1.2500E-04	Radius - Bottom wire
Y1	2.1190E+11	2.1190E+11	
Y2	2.1190E+11	2.1190E+11	
Y3	2.1190E+11	2.1190E+11	
l1b	2.5000E-01	2.5000E-01	
a1b	6.5000E-02	6.2500E-02	
h1b	2.4000E-03	2.5000E-03	
ufc1	2.8087E+00	Not measured	
st1	7.7938E+08	Not measured	
intmode_1:	1.4457e=02	Not measured	
l2b	1.4000E-01	1.4000E-01	
a2b	2.7550E-02	2.5780E-02	
h2b	1.6000E-03	1.6000E-03	
ufc2	3.2469E+00	Not measured	
st2	7.8948E+08	Not measured	
intmode_2:	3.0733E+02	Not measured	
su	0.0000E+00	0.0000E+00	
si	1.5000E-02	1.5000E-02	
sl	5.0000E-03	5.0000E-03	
n0	7.7000E-02	7.7000E-02	
n1	1.3000E-01	1.3000E-01	
n2	6.0000E-02	6.0000E-02	
n3	1.9150E-01	1.9150E-01	
n4	1.8650E-01	1.8650E-01	
n5	1.8650E-01	1.8650E-01	
stage 2	1		

d0	-1.8859E-03	-1.8859E-03 Top Wire breakoff point relative to CG at Top mass
d1	-6.9059E-04	-6.9059E-04 Middle Wire breakoff point relative to CG at Top Mass
d2	9.9993E+00	9.9993E+00 Middle Wire breakoff point relative to CG at Intermediate Mass
d3	-7.1965E-05	-7.1965E-05 Bottom Wire breakoff point relative to CG at Intermediate mass
d4	-7.1965E-05	-7.1965E-05 Bottom Wire breakoff point relative to CG at Test Mass
tl1	6.0781E-01	6.0782E-01
tl2	5.9428E-01	5.9431E-01
tl3	4.9986E-01	4.9964E-01
l_cofm	1.7019E+00 not measured	
l_total	1.8869E+00 not measured	
ribbon	0	0
db	0	0
g	9.8100E+00 N/A	
Kc1	1.9663E+03 not measured	
Kc2	2.8127E+03 not measured	
flex 1	2.8859E-03 not measured	
flex 2	1.6906E-03 not measured	
flex 3	1.0720E-03 not measured	
flex3tr	1.0720E-03 not measured	