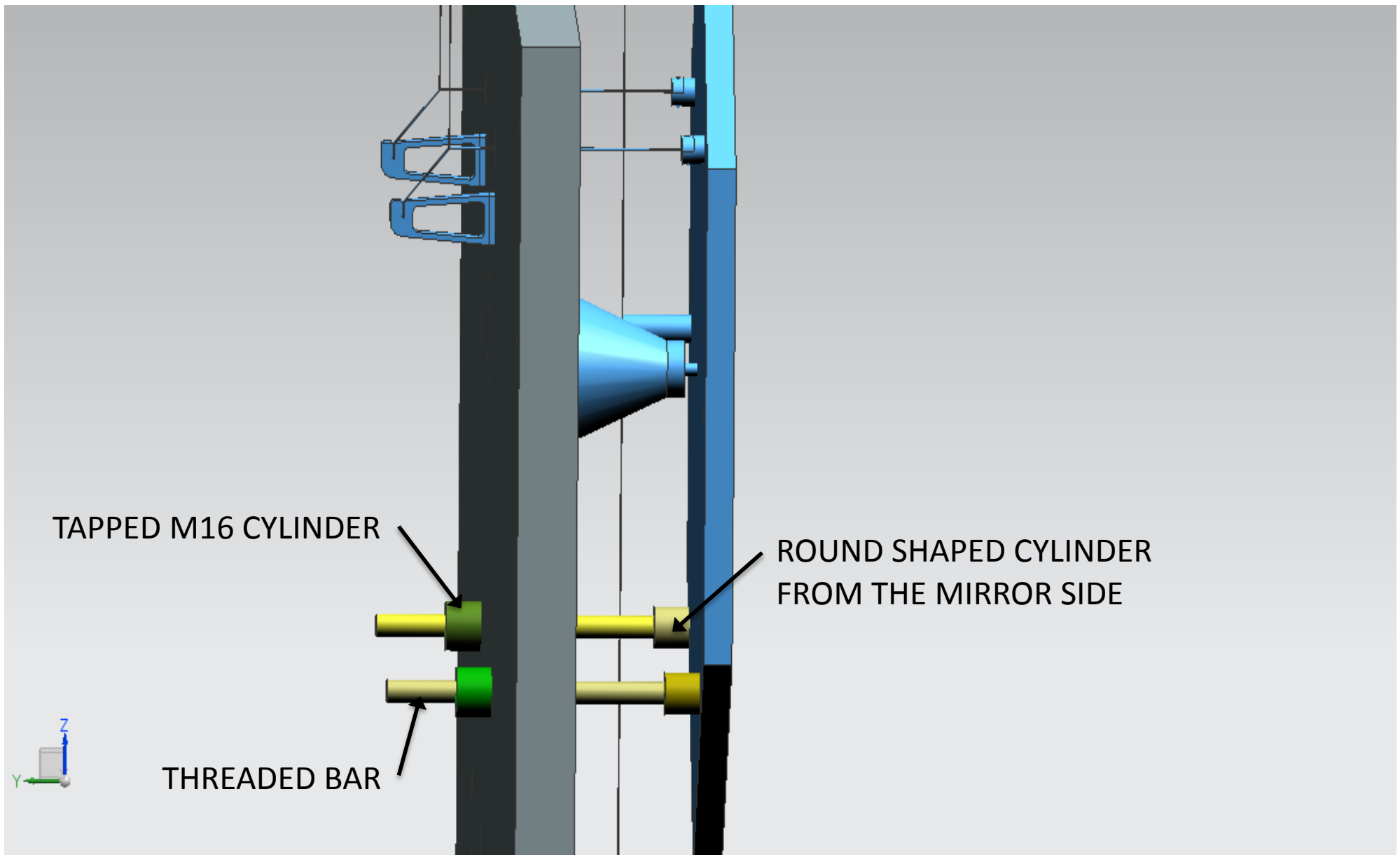


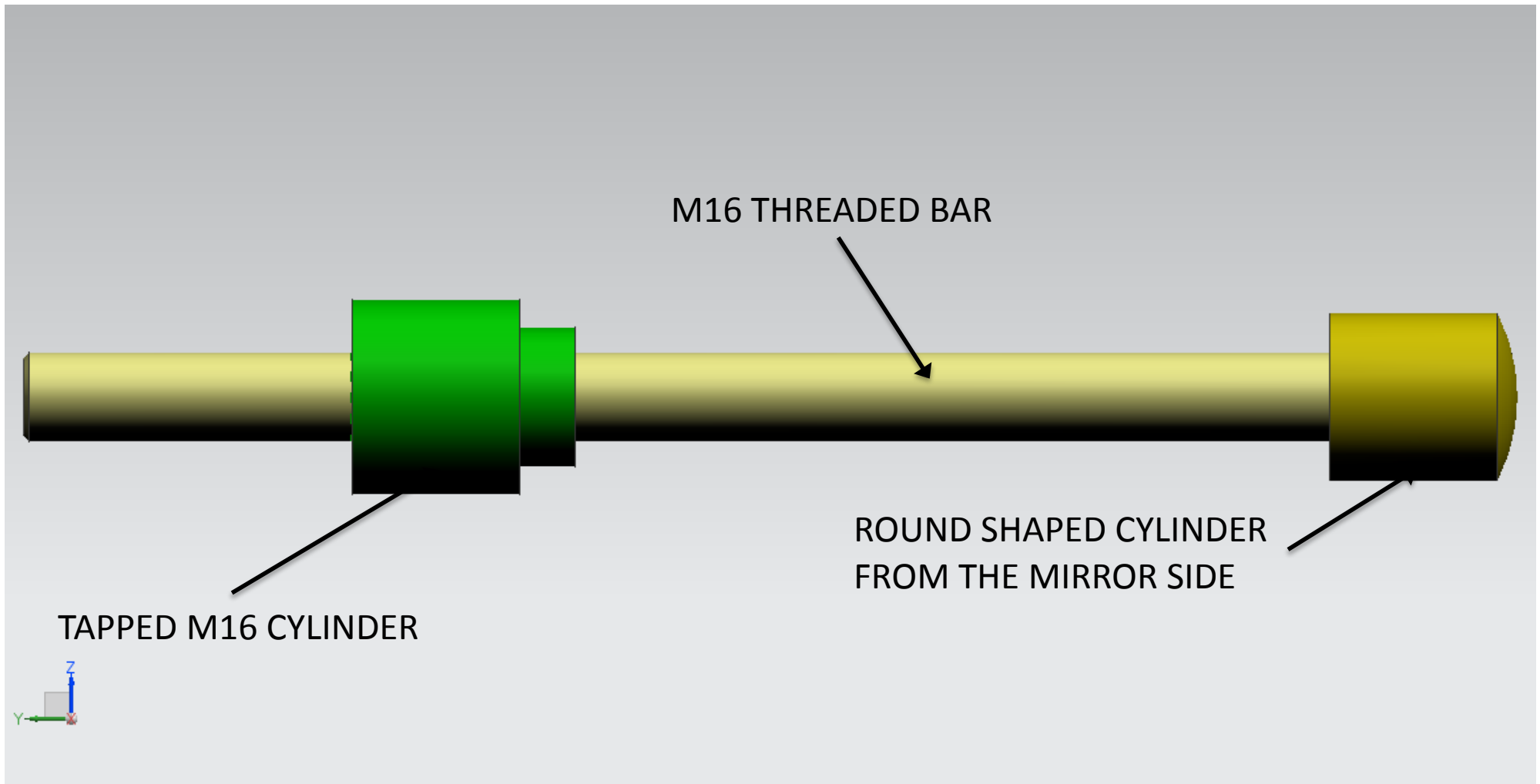
NA62 RICH STATUS REPORT

PLANE B

PLANE B – THREADED BARS 1



PLANE B – THREADED BARS 2

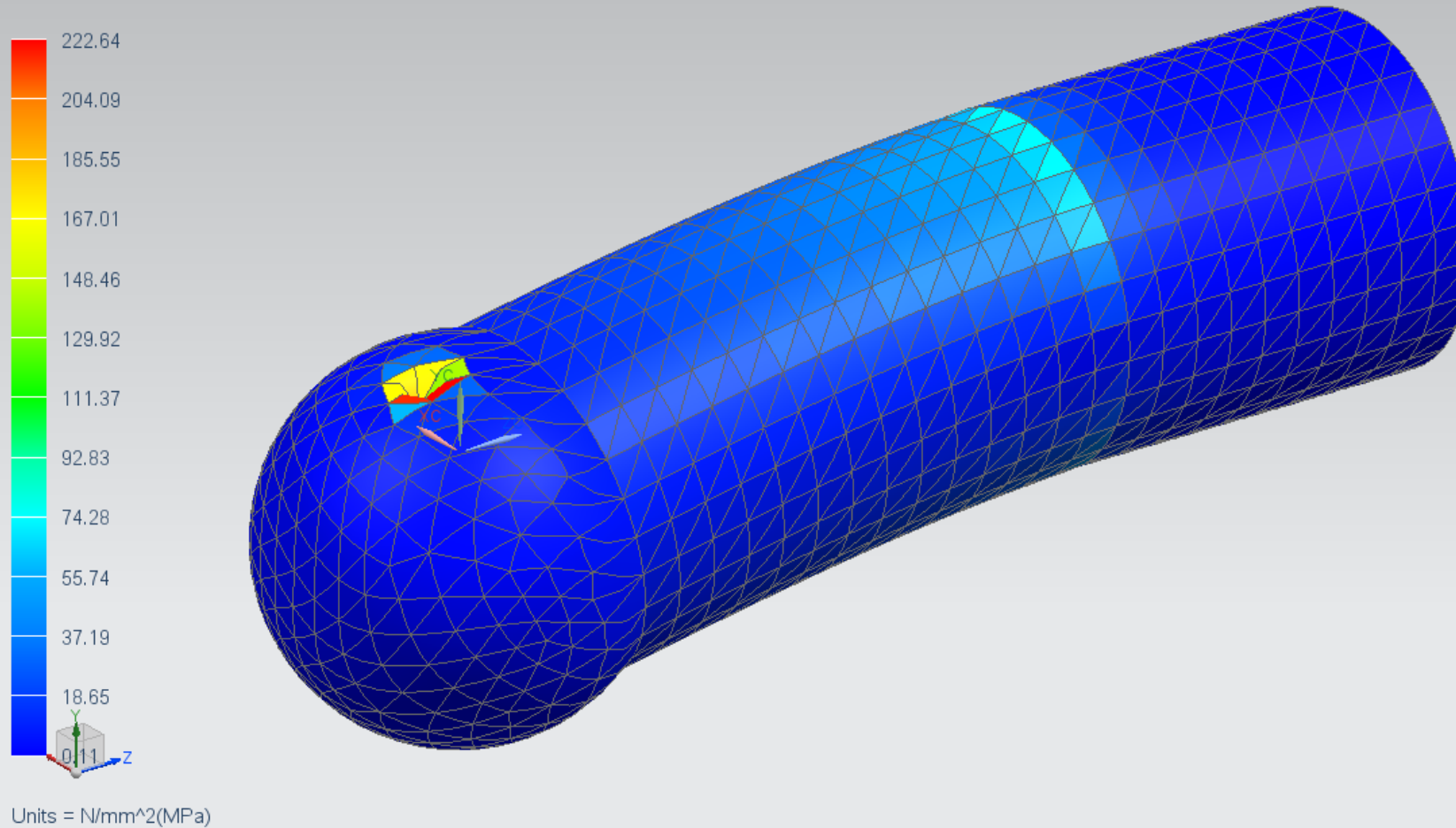


DOWEL'S STOPPING SYSTEM

ALUMINUM DOWEL – STRUCTURAL ANALYSIS 1

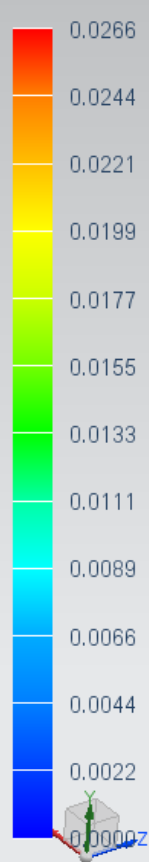
aluminum_dowel_sim5 : Solution 1 Result
Subcase - Static Loads 1, Static Step 1
Stress - Elemental, Von-Mises
Min : 0.11, Max : 222.64, Units = N/mm^2(MPa)
Deformation : Displacement - Nodal Magnitude

STRESS SAFETY FACTOR ($R_{p_{0,2}}$) = $250/75 = 3.3$

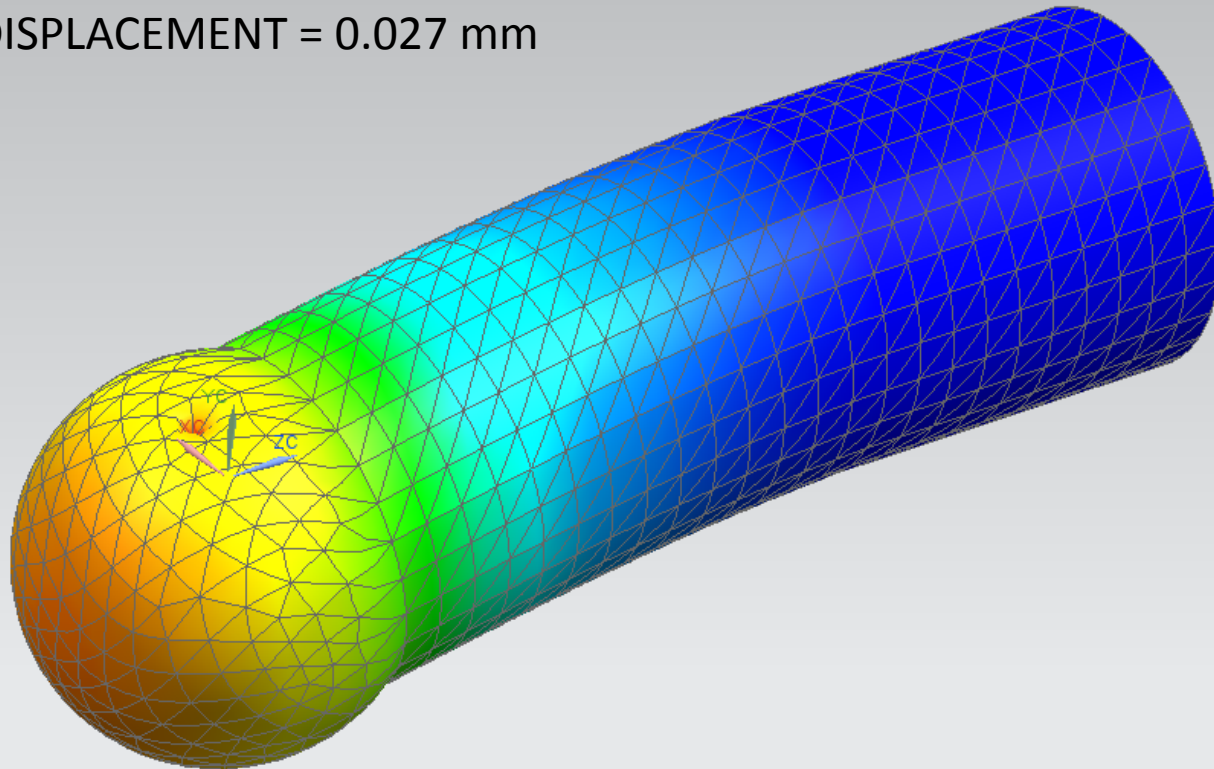


ALUMINUM DOWEL – STRUCTURAL ANALYSIS 2

aluminum_dowel_sim5 : Solution 1 Result
Subcase - Static Loads 1, Static Step 1
Displacement - Nodal, Magnitude
Min : 0.0000, Max : 0.0266, Units = mm
Deformation : Displacement - Nodal Magnitude



MAX DISPLACEMENT = 0.027 mm

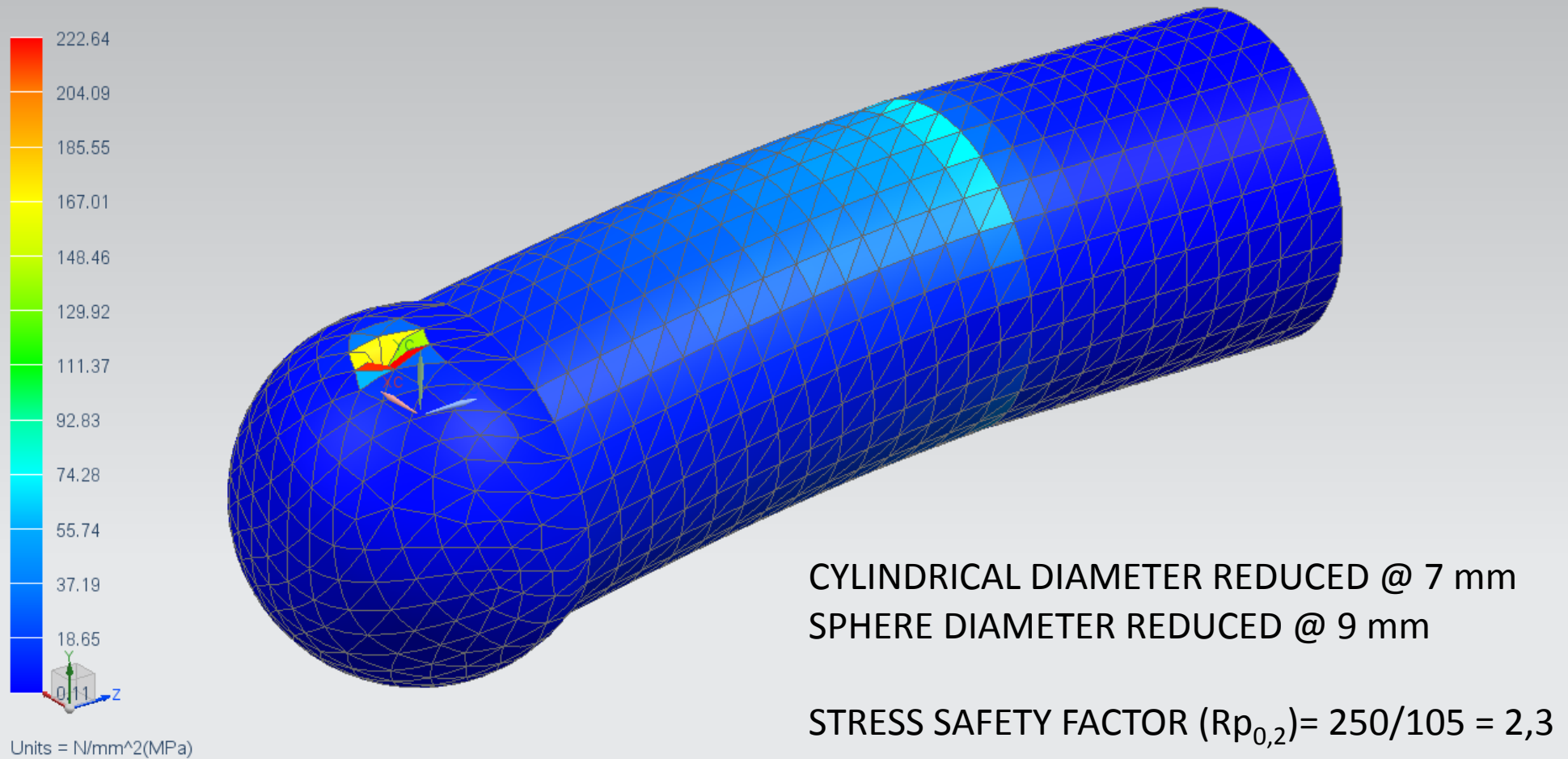


TOTAL DISPLACEMENT (MIRROR SUPPORT ENCLOSED) = 0.036 mm

Units = mm

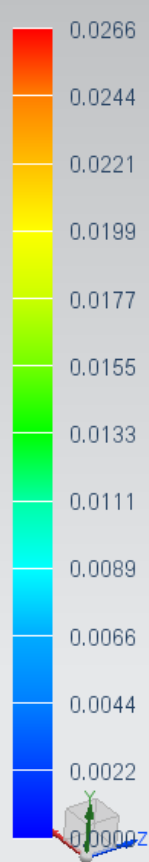
ALUMINUM DOWEL – REDUCED DIMENSIONS 1

aluminum_dowel_sim5 : Solution 1 Result
Subcase - Static Loads 1, Static Step 1
Stress - Elemental, Von-Mises
Min : 0.11, Max : 222.64, Units = N/mm^2(MPa)
Deformation : Displacement - Nodal Magnitude

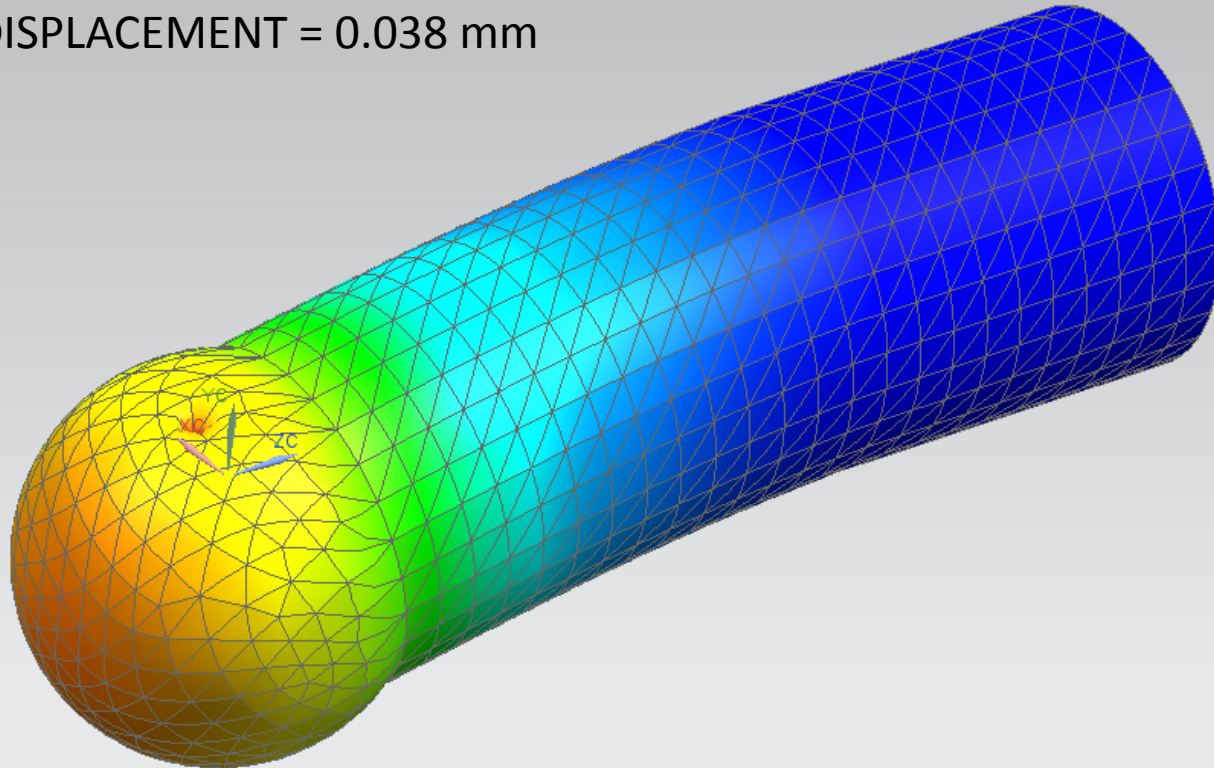


ALUMINUM DOWEL – REDUCED DIMENSIONS 2

aluminum_dowel_sim5 : Solution 1 Result
Subcase - Static Loads 1, Static Step 1
Displacement - Nodal, Magnitude
Min : 0.0000, Max : 0.0266, Units = mm
Deformation : Displacement - Nodal Magnitude



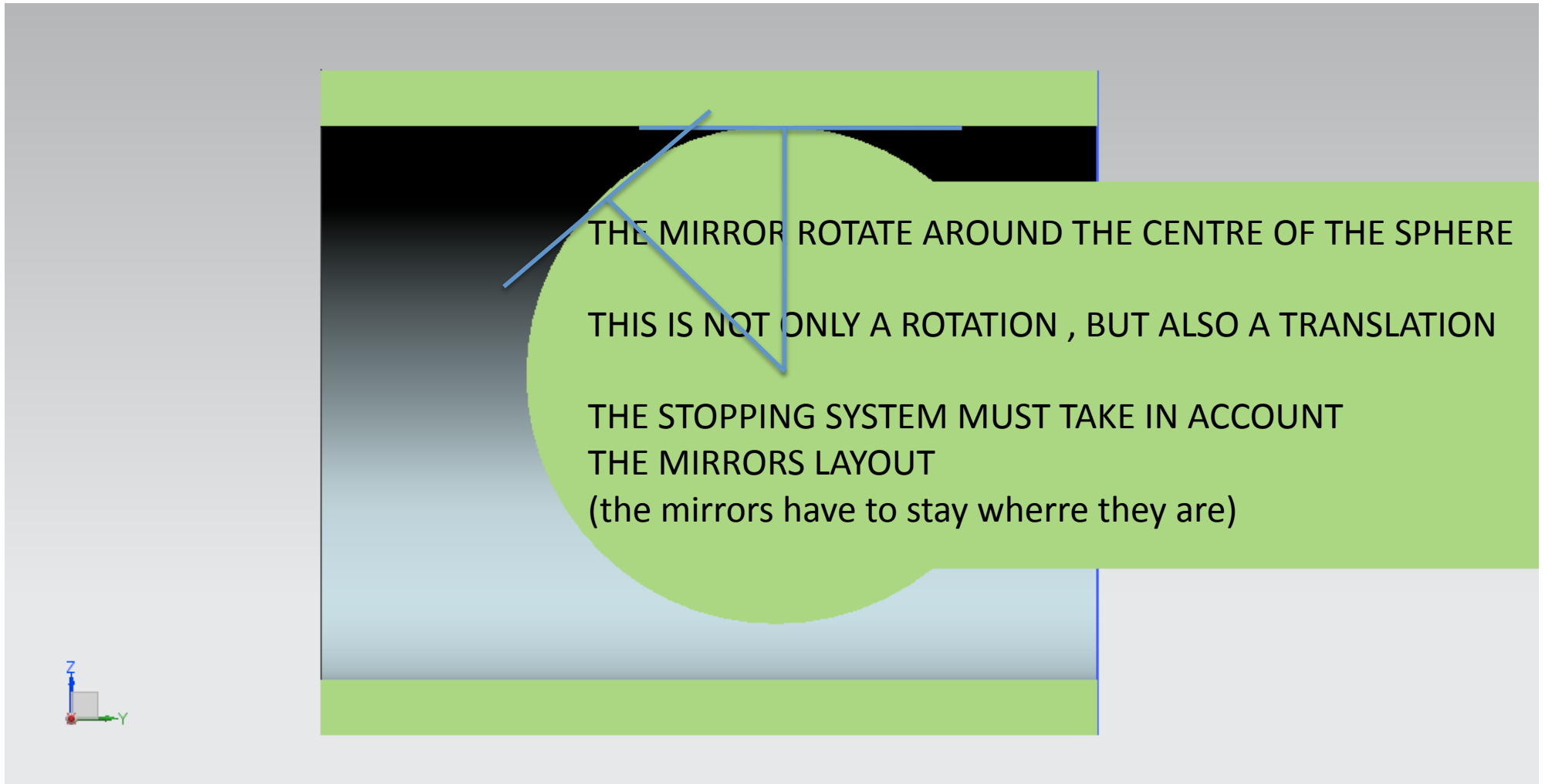
MAX DISPLACEMENT = 0.038 mm



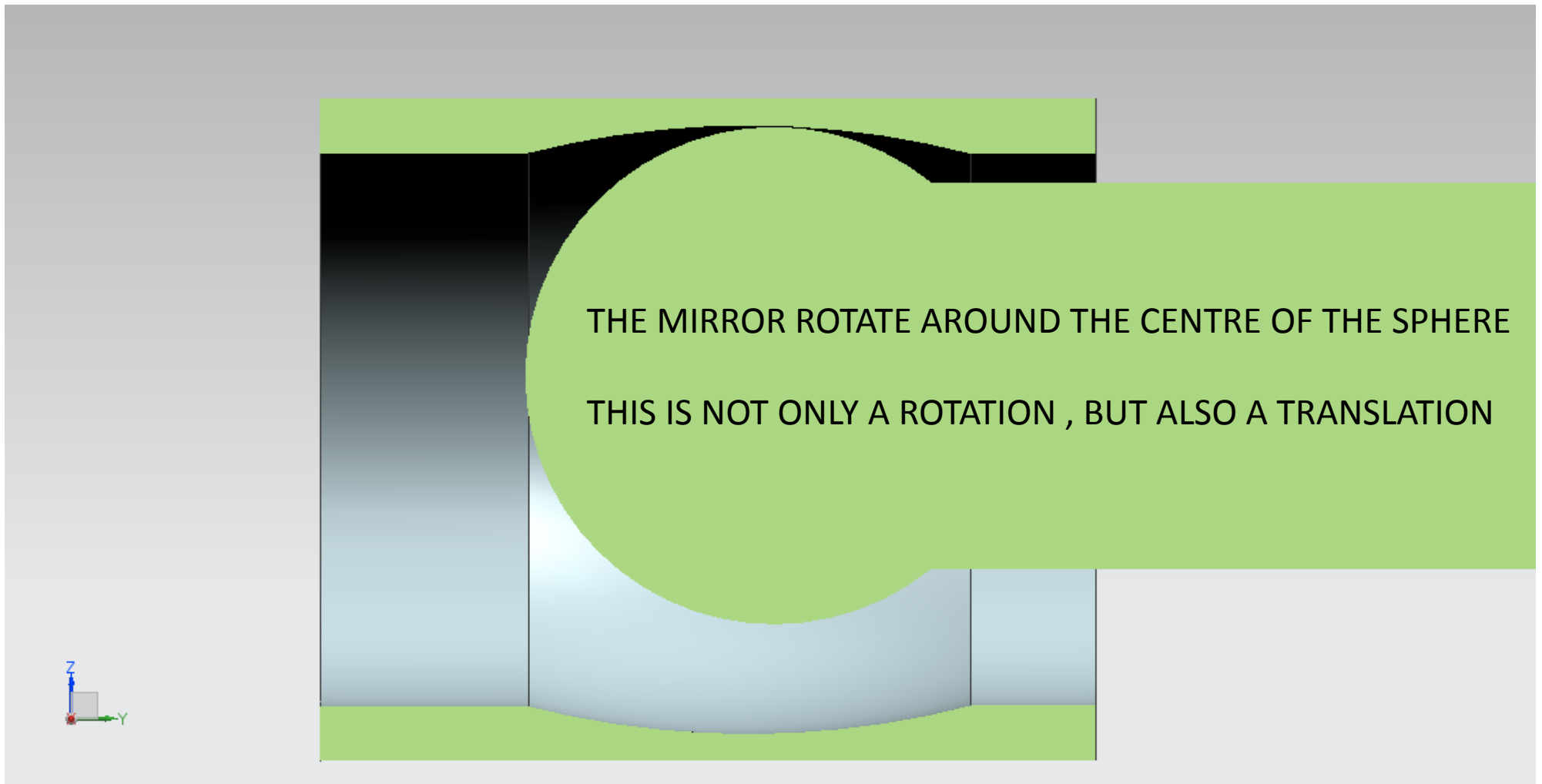
TOTAL DISPLACEMENT (MIRROR SUPPORT ENCLOSED) = 0.047 mm

Units = mm

DOWEL STOPPING SYSTEM 1



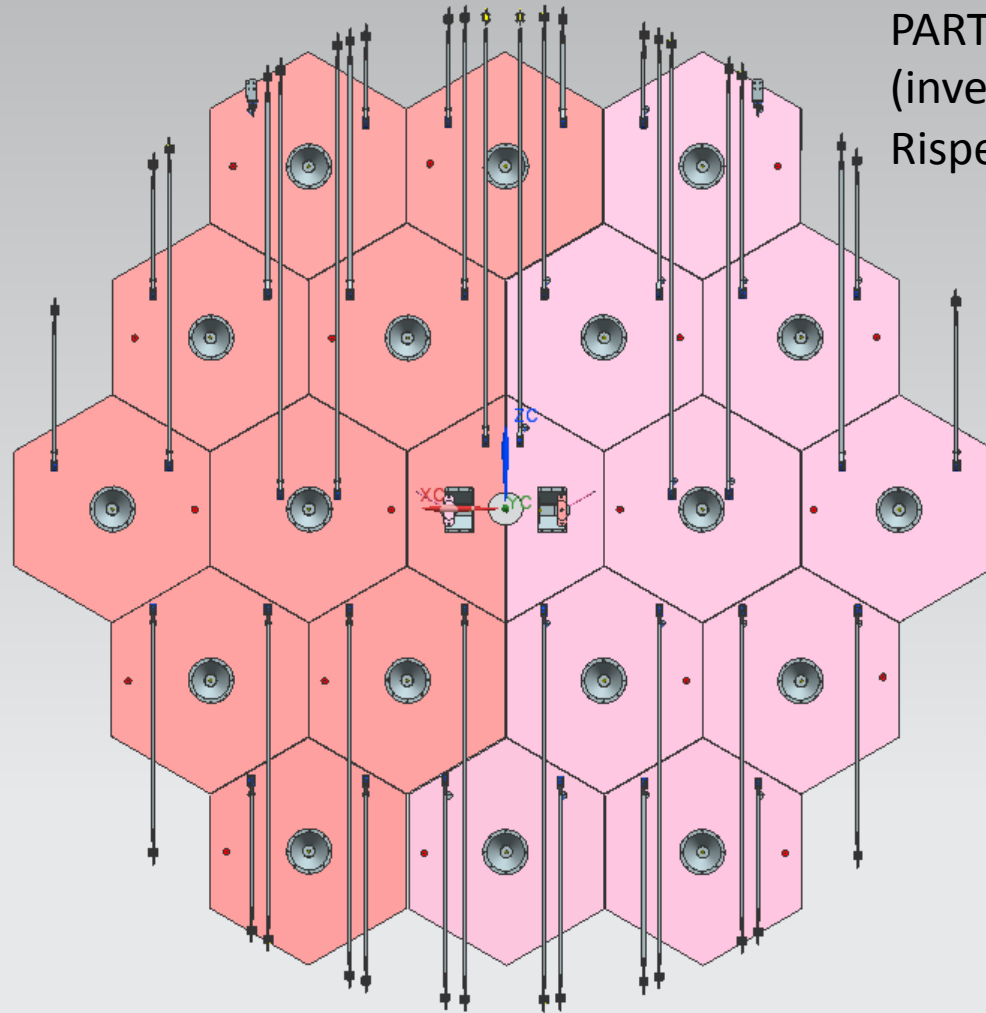
DOWEL STOPPING SYSTEM 2



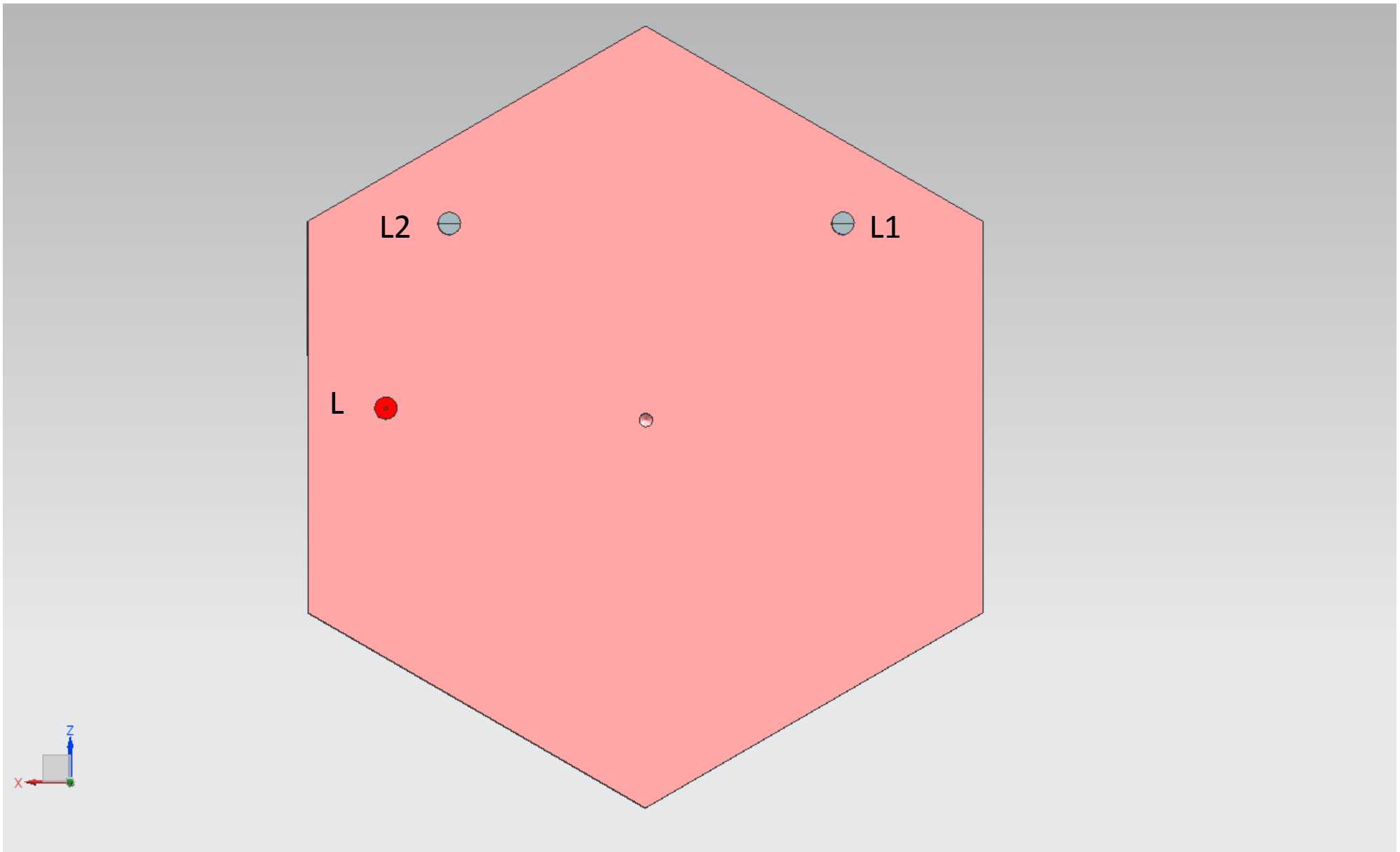
RIBBONS LENGTH

MIRRORS LAYOUT

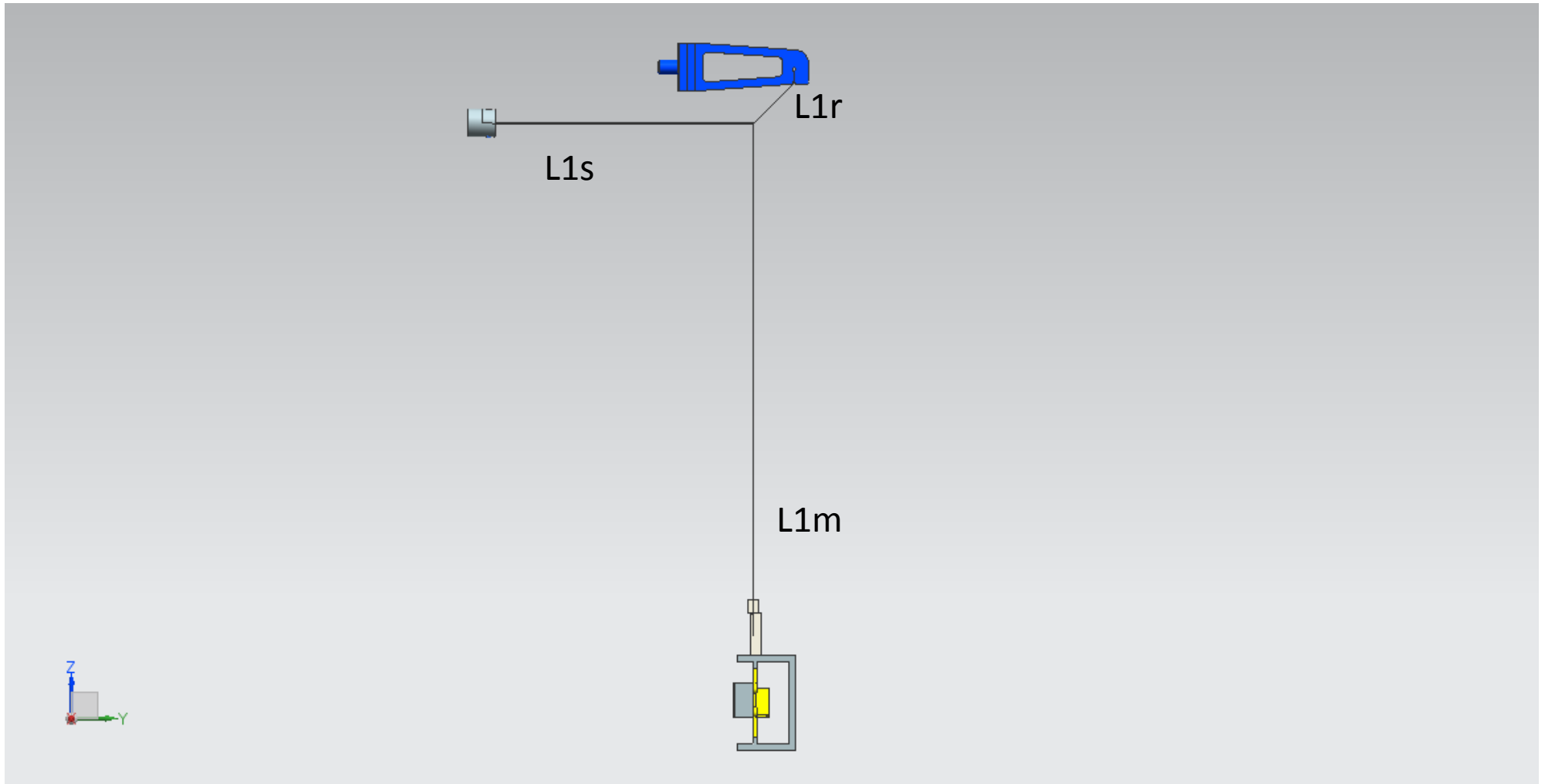
SPECCHI VISTI DALLA
PARTE DEI CONI
(invertita destra con sinistra
Rispetto a vista parte montaggio)



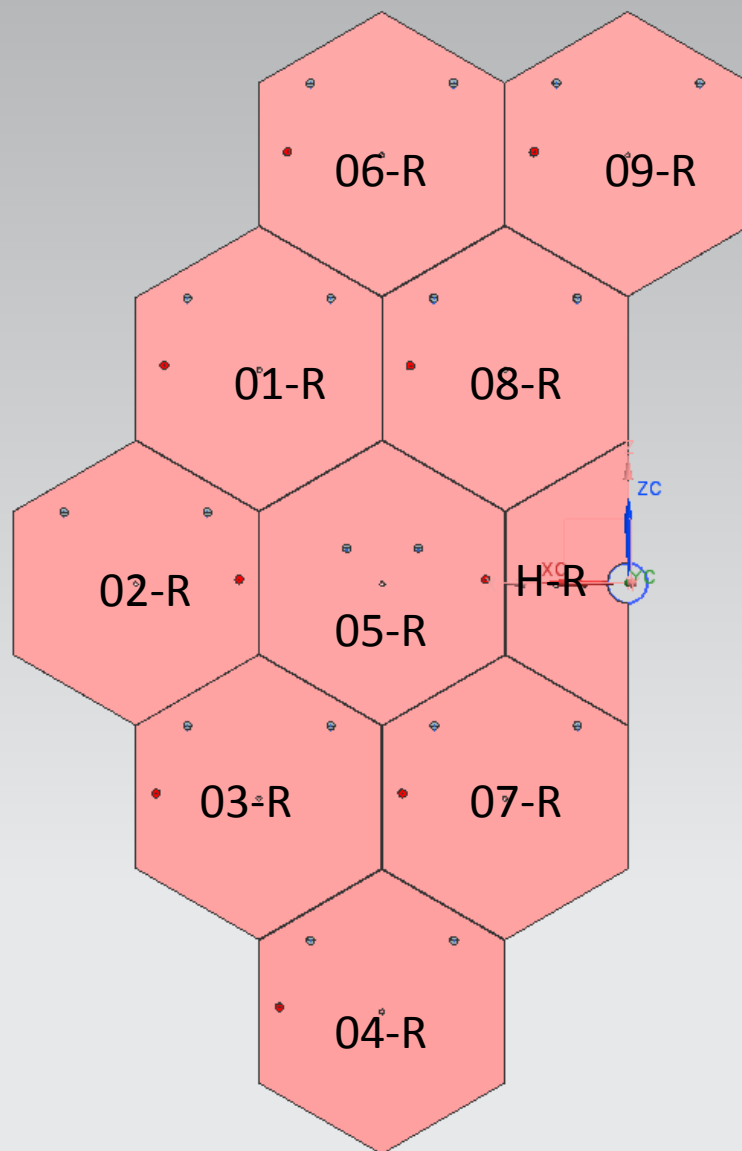
RIFERIMENTI LUNGHEZZA NASTRI



RIFERIMENTI LUNGHEZZA NASTRI



MIRRORS LAYOUT – RIGHT HALF SIDE



SPECCHI VISTI DALLA
PARTE DEI CONI

LUNGHEZZE NASTRI REGOLATORI - RIGHT HALF SIDE

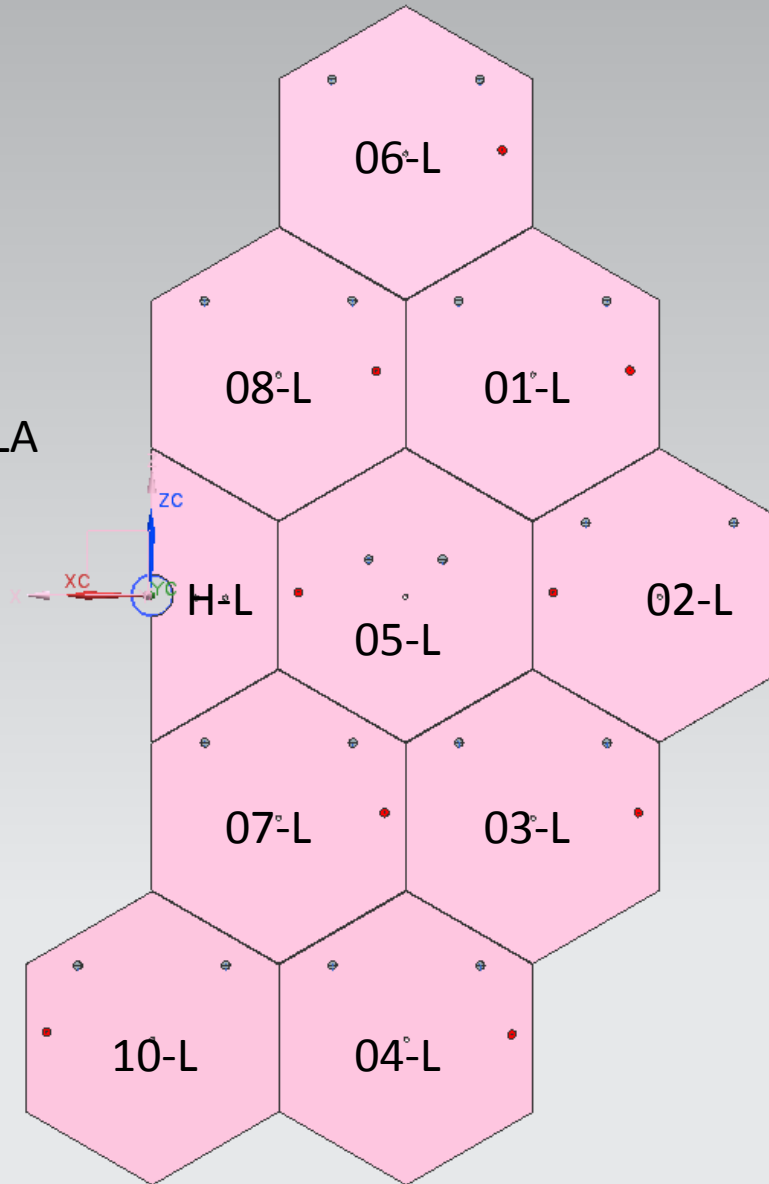
MIRROR	vs SPECCHIO (mm)		vs MOTORE (mm)		vs RINVIO (mm)	
	L1s	L2s	L1m	L2m	L1r	L2r
01-R	194	196	563	295	50	50
02-R	189	195	870	374	50	50
03-R	188	191	913	645	50	50
04-R	198	198	511	356	50	50
05-R	177	187	1278	1202	50	50
06-R	209	208	162	-	50	-
07-R	192	189	1096	1024	50	50
08-R	198	194	748	676	50	50
09-R	227	212	214	214	50	50
H-R	192		1200		50	

LUNGHEZZE NASTRI STABILIZZATORI - RIGHT HALF SIDE

MIRROR	L (mm)
01-R	1949
02-R	2340
03-R	1900
04-R	2463
05-R	2928
06-R	2488
07-R	2789
08-R	2804
09-R	2630

MIRRORS LAYOUT – LEFT HALF SIDE

SPECCHI VISTI DALLA
PARTE DEI CONI



LUNGHEZZE NASTRI REGOLATORI - LEFT HALF SIDE

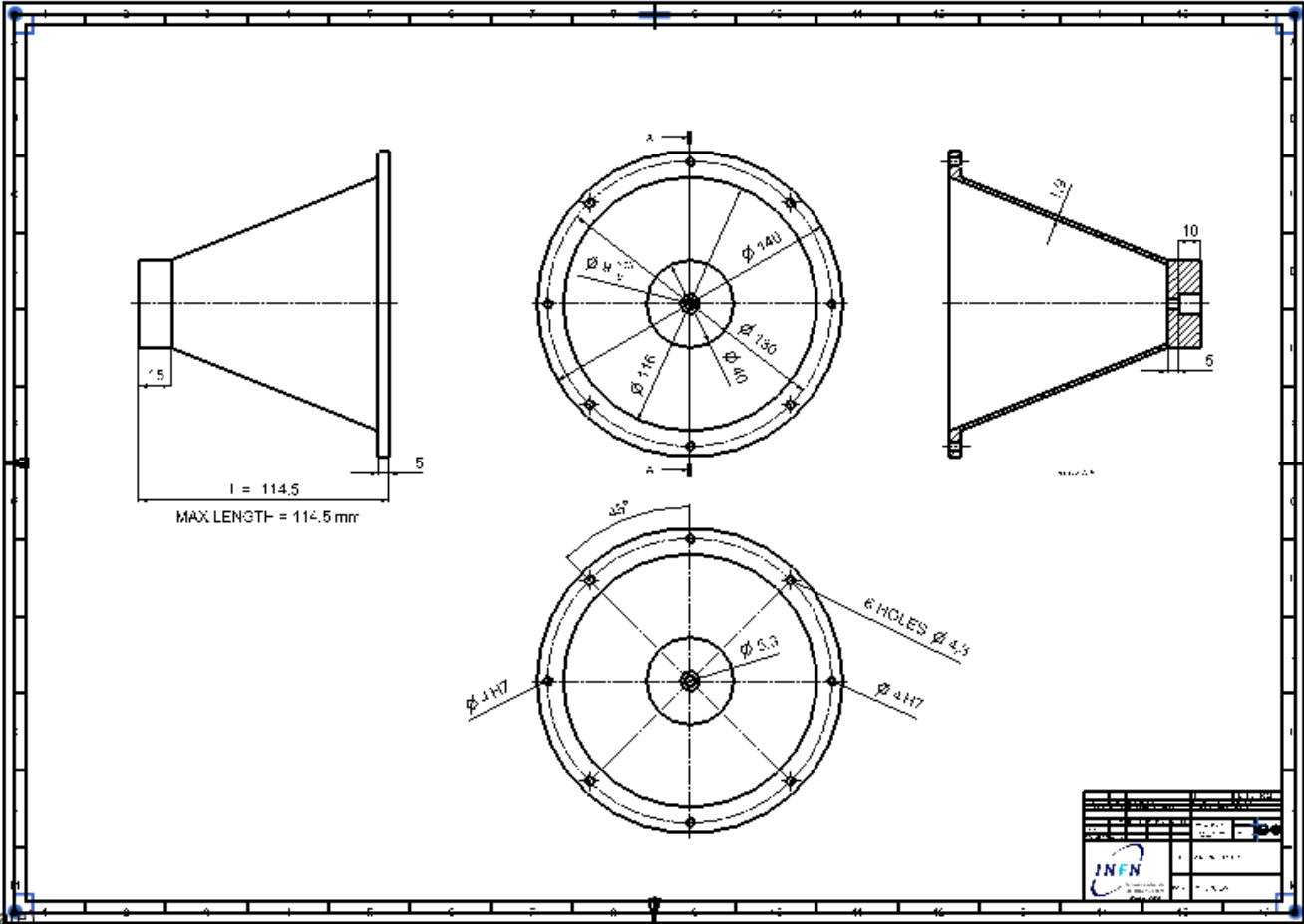
MIRROR	vs SPECCHIO (mm)		vs MOTORE (mm)		vs RINVIO (mm)	
	L1s	L2s	L1m	L2m	L1r	L2r
01-L	200	199	306	566	50	50
02-L	195	192	401	882	50	50
03-L	194	194	653	916	50	50
04-L	203	206	359	511	50	50
05-L	193	194	1207	1282	50	50
06-L	207	216	-	166	-	50
07-L	196	203	1028	1096	50	50
08-L	201	207	679	748	50	50
10-L	211	220	562	560	50	50
H-L	202	-	1200	-	50	-

LUNGHEZZE NASTRI STABILIZZATORI - LEFT HALF SIDE

MIRROR	L (mm)
01-L	1950
02-L	2340
03-L	1900
04-L	2463
05-L	2928
06-L	2488
07-L	2789
08-L	2804
10-L	2968

CONES LENGTH

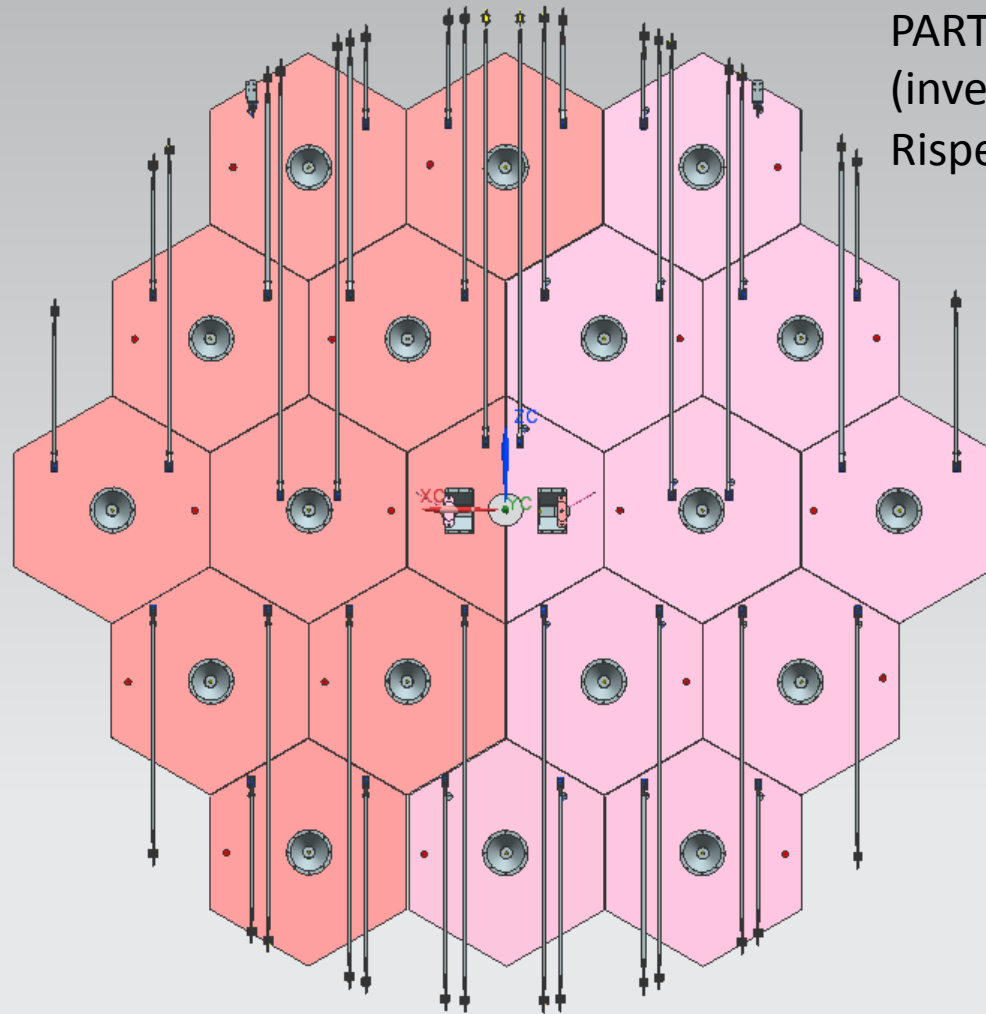
MIRROR SUPPORT – DETAILED DRAWING



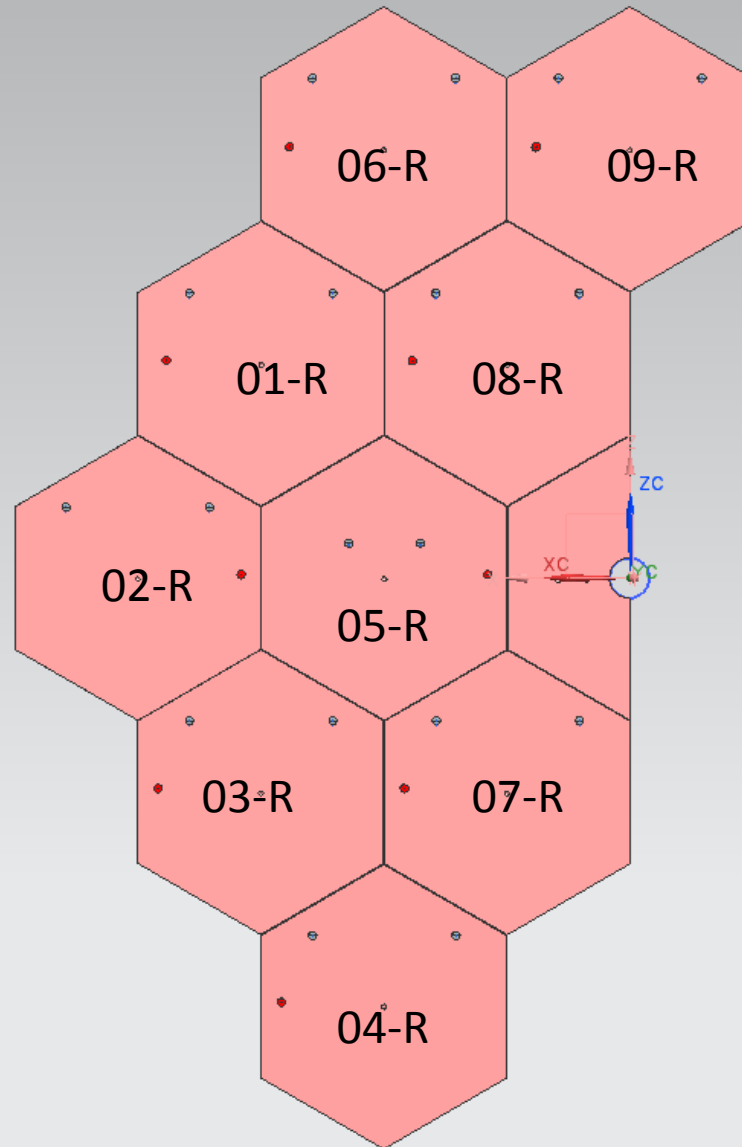
Sheet "Sheet 1" Work (Out of Date)

MIRRORS LAYOUT

SPECCHI VISTI DALLA
PARTE DEI CONI
(invertita destra con sinistra
Rispetto a vista parte montaggio)



MIRRORS LAYOUT – RIGHT HALF SIDE



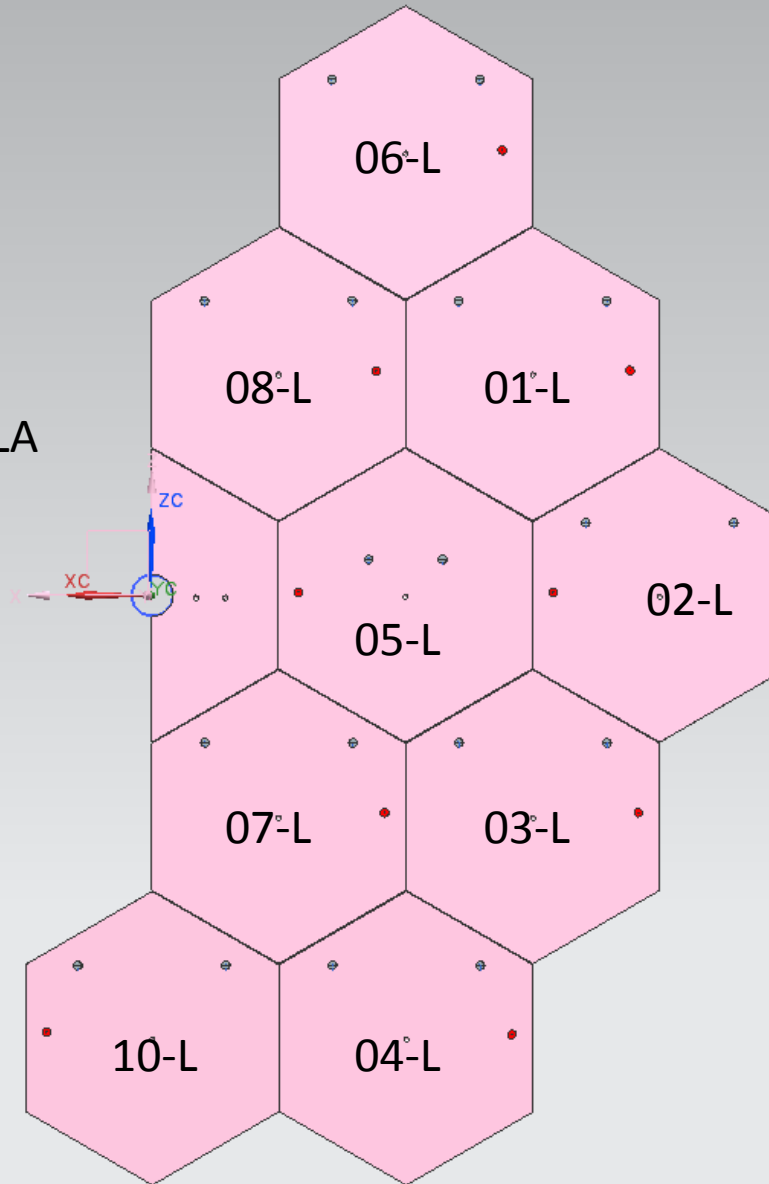
SPECCHI VISTI DALLA
PARTE DEI CONI

LUNGHEZZE CONI SUMMARY TABLE - RIGHT HALF SIDE

MIRROR	CONE LENGTH L (mm)
01-R	95,9
02-R	85,4
03-R	86,0
04-R	97,3
05-R	80,9
06-R	97,3
07-R	86,9
08-R	86,8
09-R	103,7

MIRRORS LAYOUT – LEFT HALF SIDE

SPECCHI VISTI DALLA
PARTE DEI CONI



LUNGHEZZE CONI SUMMARY TABLE - LEFT HALF SIDE

MIRROR	CONE LENGTH L (mm)
01-L	90,5
02-L	88,0
03-L	90,6
04-L	104,1
05-L	87,6
06-L	104,0
07-L	95,6
08-L	95,5
10-L	114,5