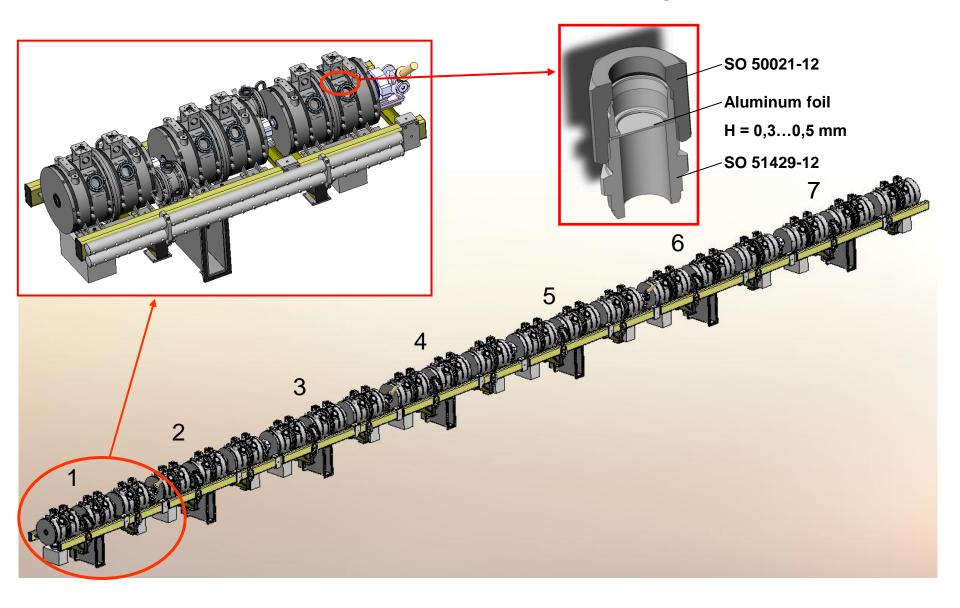
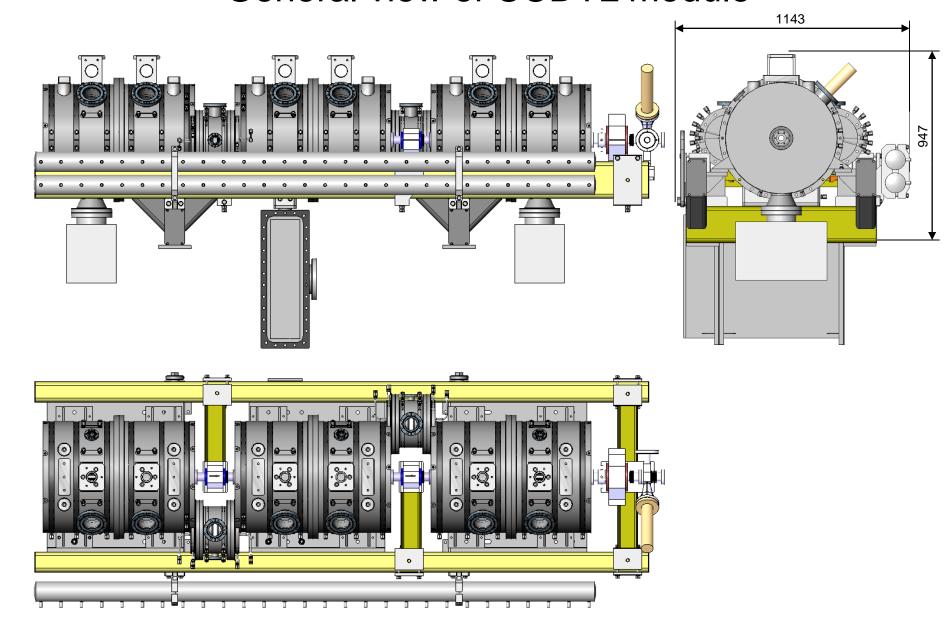
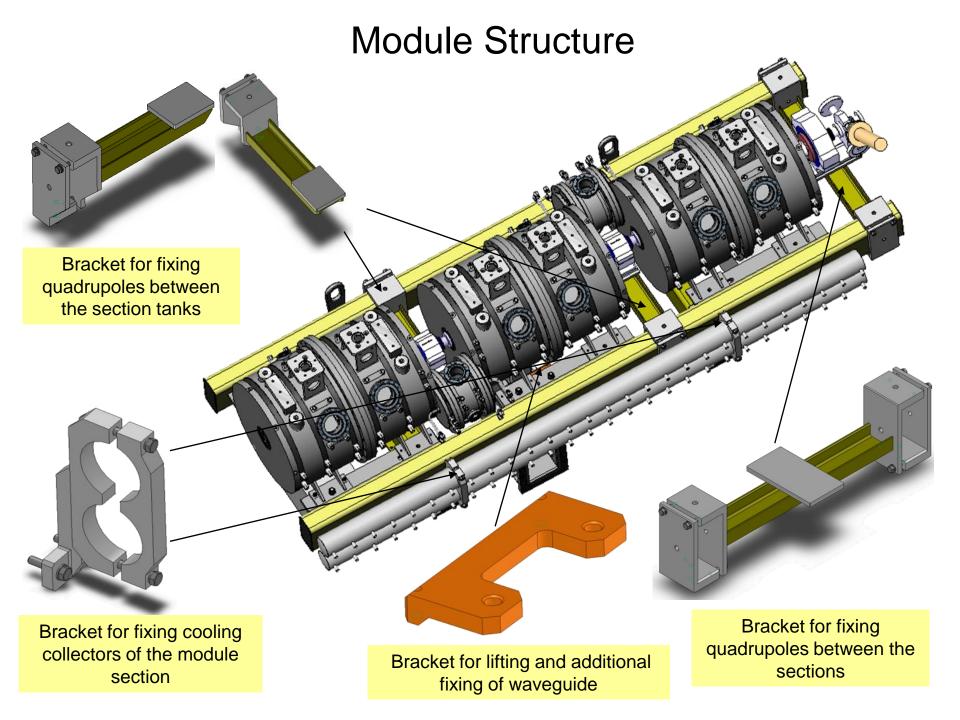


Module of CCDTL Accelerating Structure

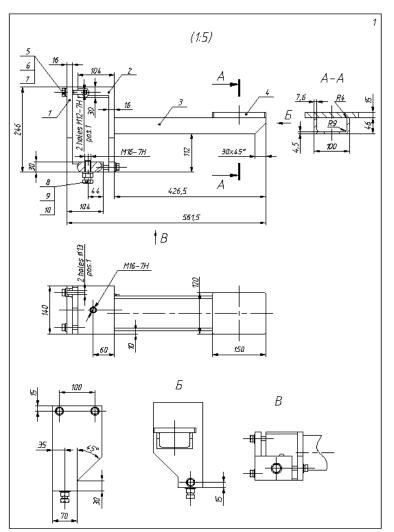


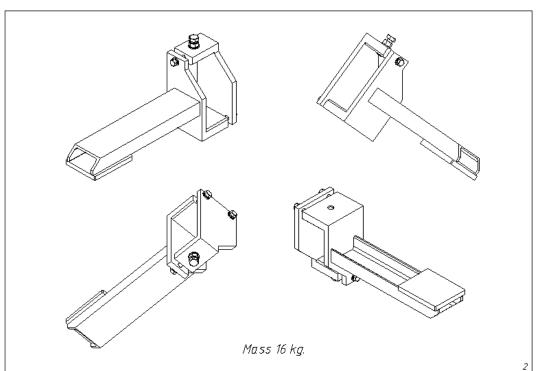
General view of CCDTL module





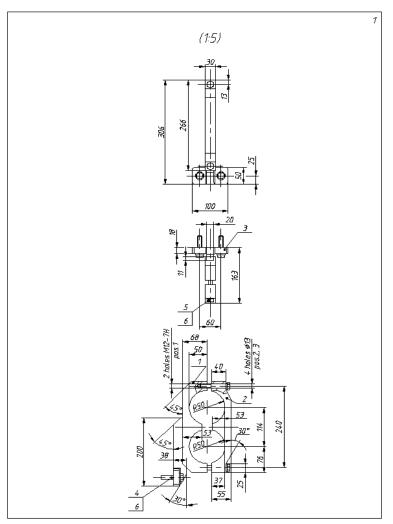
Dimensions of bracket for fixing quadrupoles between the section tanks

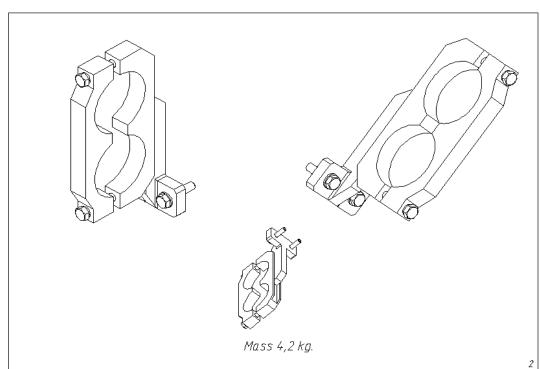




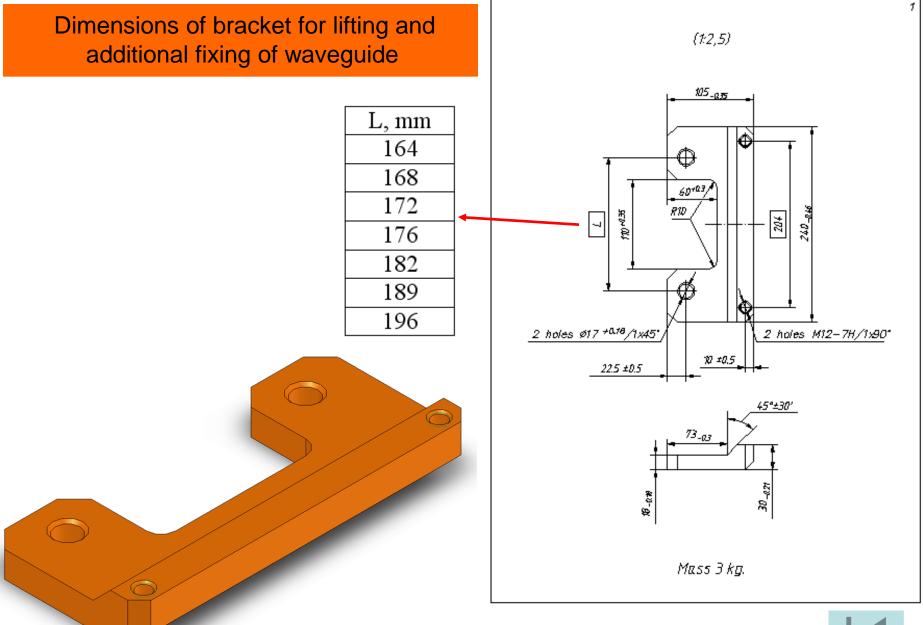


Dimensions of bracket for fixing cooling collectors of the module section



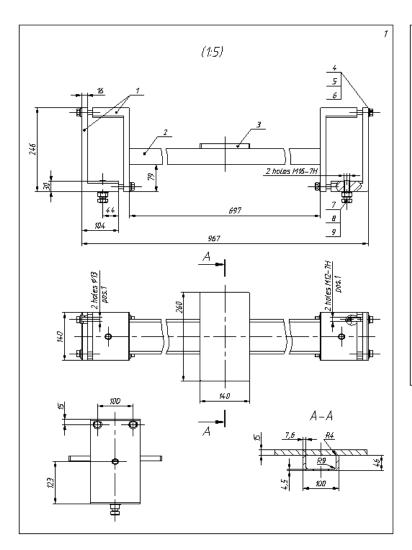


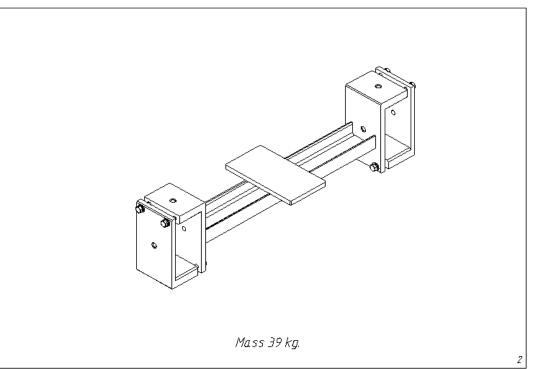






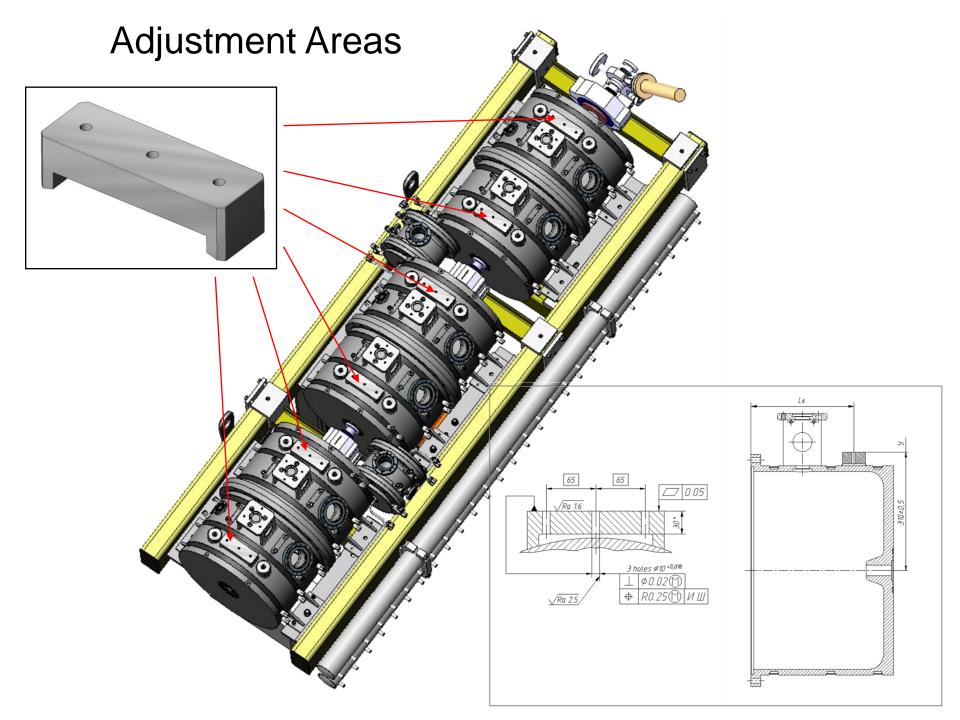
Dimensions of bracket for fixing quadrupoles between the module sections



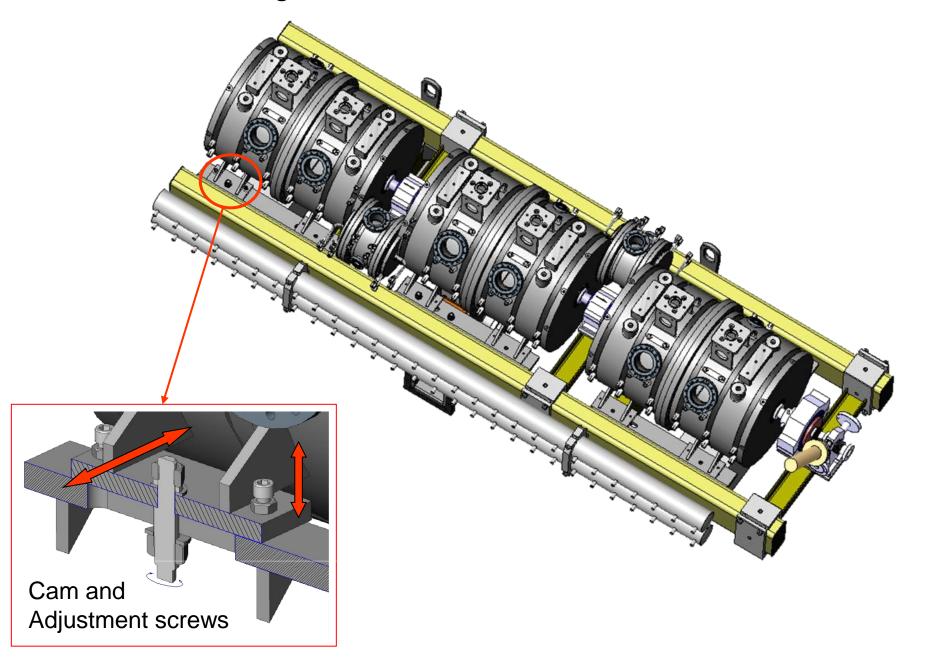


Universal fastener Inter-mod2

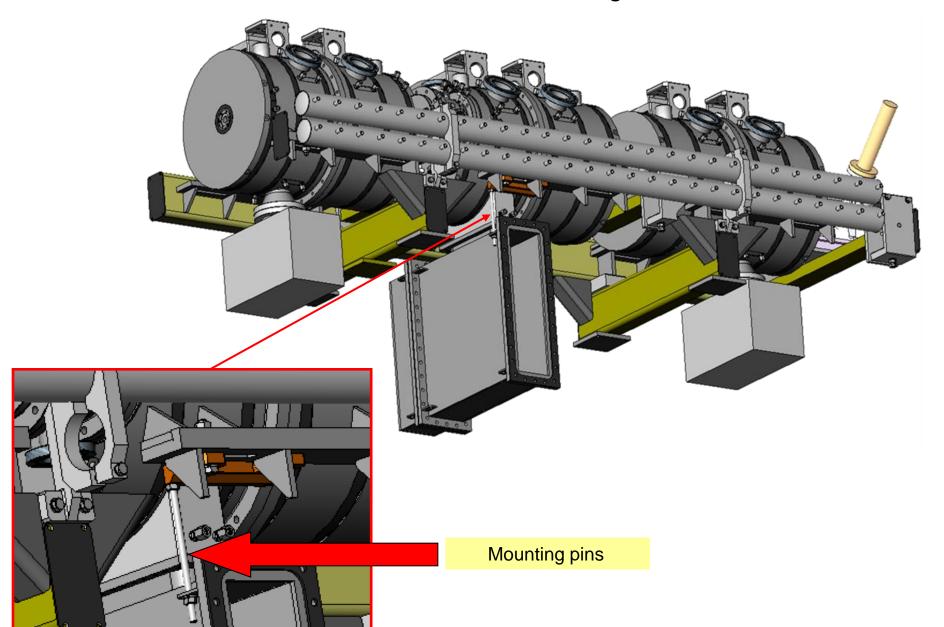
Inter-mod1



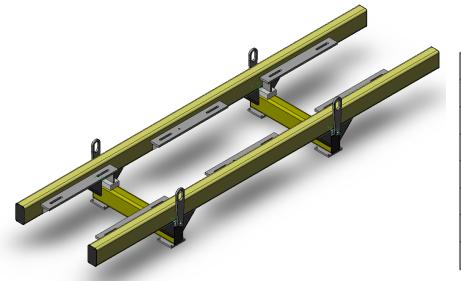
Alignment of Cavities in the Module



Lift and additional fixation of waveguide section

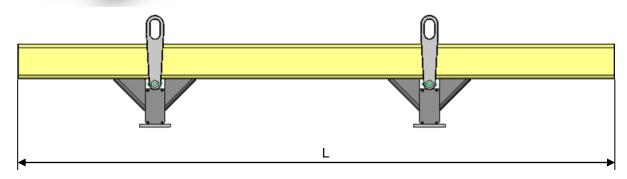


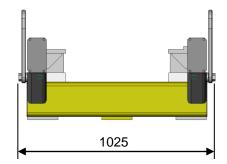
Module Support Frame



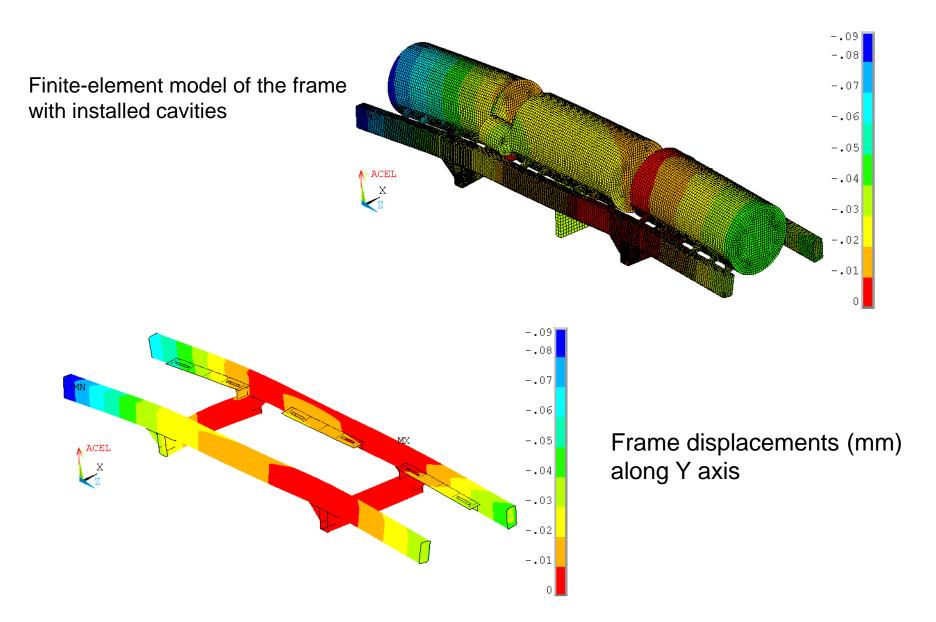
Dimensions

Designation	L, mm	Mass, kg
CCDTL.M1.700	3026,3	423
-01	3200,3	440
-02	3365,9	457
-03	3522,7	472
-04	3675,1	486
-05	3814,9	499
-06	3705	492

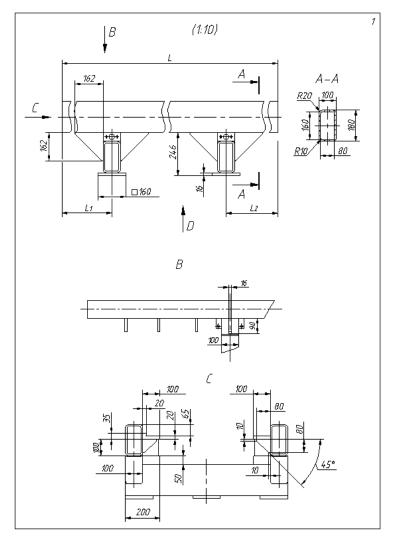


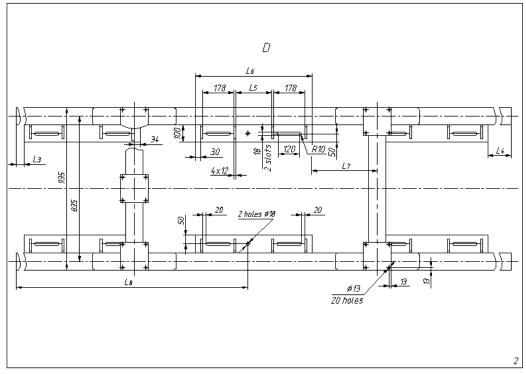


Calculation of Frame Deformation



Frame Sizes





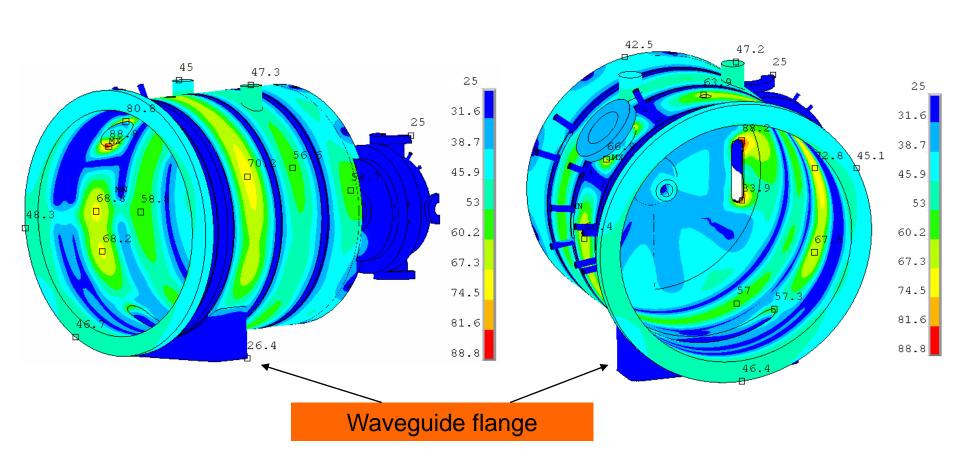
Dimensions

Designation	L, mm	L1,mm	L ₂ , mm	L ₃ , mm	L ₄ , mm	Ls, mm	L ₆ , mm	Lz, mm	Lø, mm
CCDTL.M1.700	3020,3	687,6	932,7	59,7	304,6	206	670	365	1312,7
-01	3194,3	734,6	989,7	84,6	339,7	228	692	389	1394,1
-02	3359,9	781,5	1038,4	109,5	366,4	250	714	413	14 72,5
-03	3516,7	824,7	1082	130,7	388	272	736	437	1545,7
-04	3669,1	867,6	1121,5	151,6	405,5	294	758	461	1618,6
-05	3808,9	902	1156,9	164	4 <i>18,9</i>	316	780	485	1687
-06	3699	945,3	933,7	185,3	173,7	338	802	509	1752,3

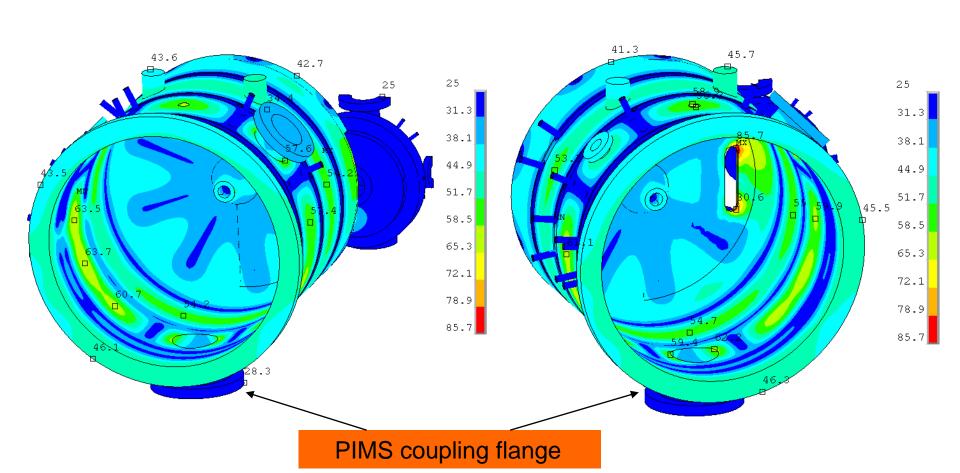


Thermal calculations of the cavities

Tank 20 with waveguide flange, duty cycle 5%

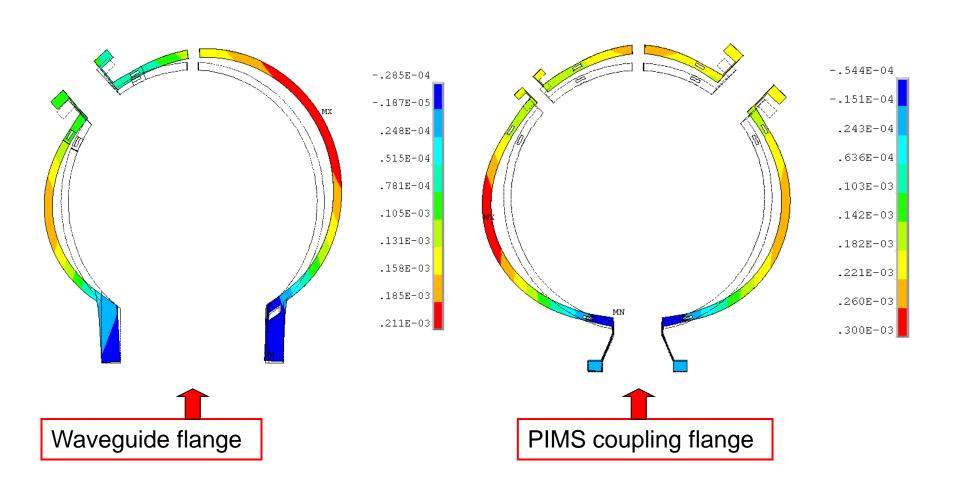


Tank 20, duty cycle 5%

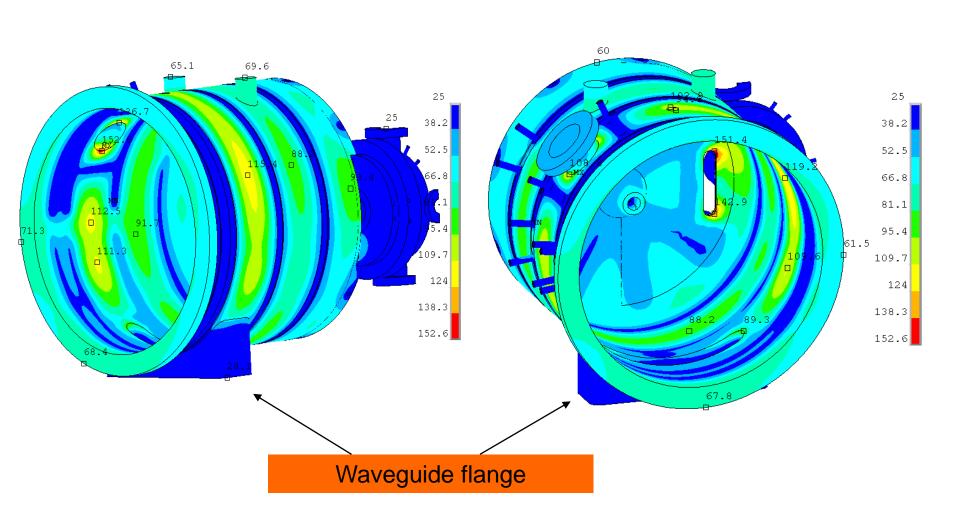


Tank 20, duty cycle 5%

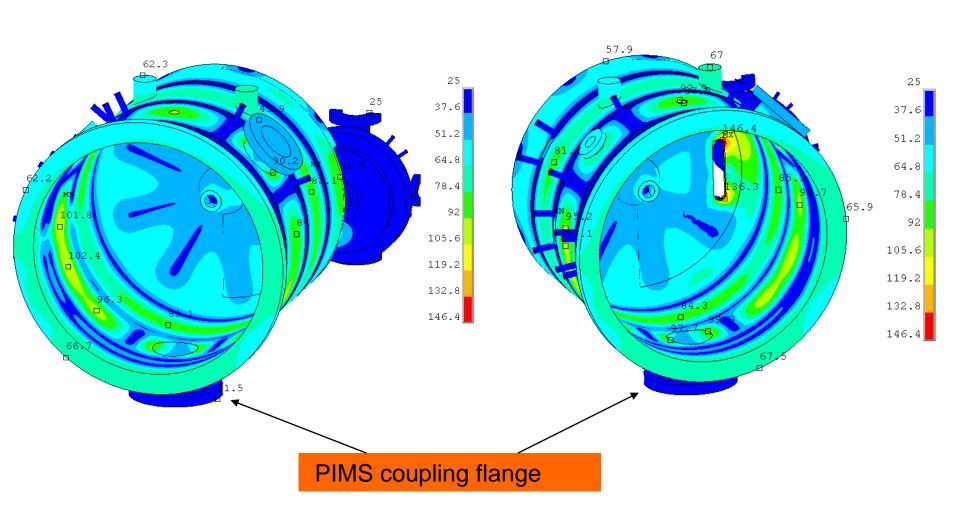
Temperature drifts (m)



Tank 20, duty cycle 10%



Tank 20, duty cycle 10%



Tank 20, duty cycle 10%

Temperature drifts (m)

