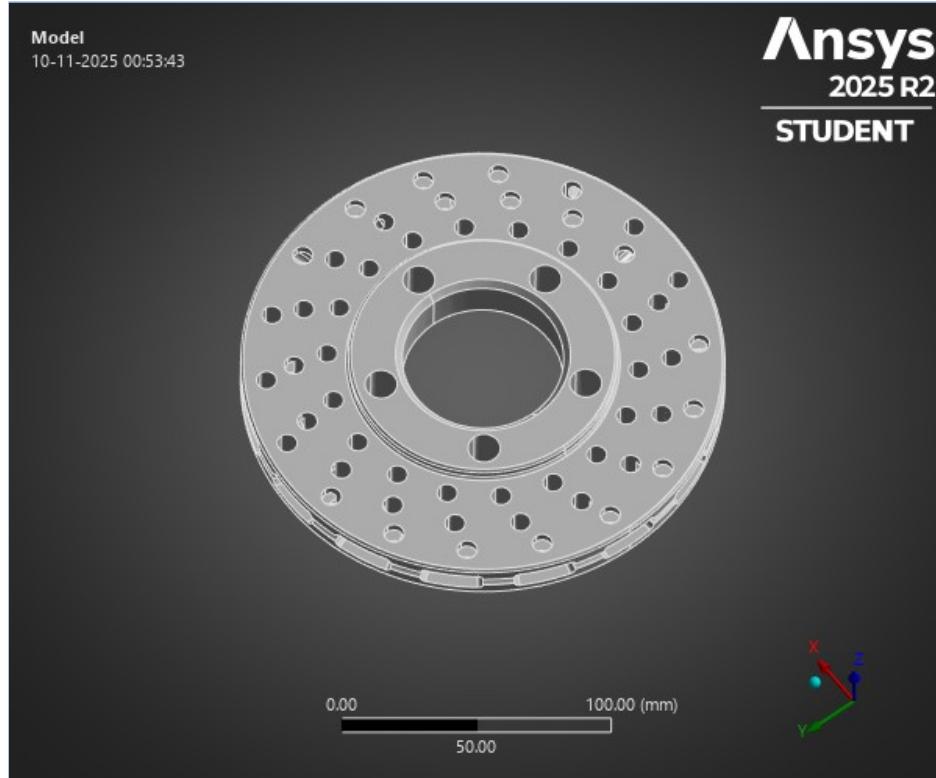




Project*

First Saved	Monday, November 10, 2025
Last Saved	Monday, November 10, 2025
Product Version	2025 R2
Save Project Before Solution	No
Save Project After Solution	No



Contents

- [Units](#)
- [Model \(A4, B4\)](#)
 - [Geometry Imports](#)
 - [Geometry Import \(A3, B3\)](#)
 - [Geometry](#)
 - [Part1|Solid](#)
 - [Materials](#)
 - [Coordinate Systems](#)
 - [Mesh](#)
 - [Named Selections](#)
 - [Steady-State Thermal \(A5\)](#)
 - [Initial Temperature](#)
 - [Analysis Settings](#)
 - [Loads](#)
 - [Solution \(A6\)](#)
 - [Solution Information](#)
 - [Temperature](#)
 - [Static Structural \(B5\)](#)
 - [Analysis Settings](#)
 - [Rotational Velocity](#)
 - [Loads](#)
 - [Imported Load \(A6\)](#)
 - [Imported Body Temperature](#)
 - [Solution \(B6\)](#)
 - [Solution Information](#)
 - [Results](#)
- [Material Data](#)
 - [Structural Steel](#)

Units

TABLE 1

Unit System	Metric (mm, t, N, s, mV, mA) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (A4, B4)

TABLE 2

Model (A4, B4) > Geometry Imports

Object Name	<u>Geometry Imports</u>
State	Solved

TABLE 3

Model (A4, B4) > Geometry Imports > Geometry Import (A3, B3)

Object Name	<u>Geometry Import (A3, B3)</u>
State	Solved
Definition	
Source	C:\Users\91905\Downloads\disk break.IGS
Type	Iges
Basic Geometry Options	
Solid Bodies	Yes
Surface Bodies	Yes
Line Bodies	Yes
Parameters	Independent
Parameter Key	
Attributes	Yes
Attribute Key	
Named Selections	Yes
Named Selection Key	
Material Properties	Yes
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	Yes
Coordinate System Key	

Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	Yes
Compare Parts On Update	No
Analysis Type	3-D
Mixed Import Resolution	None
Import Facet Quality	Source
Clean Bodies On Import	No
Stitch Surfaces On Import	Program Tolerance
Stitch Tolerance	0.000001
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

Geometry

TABLE 4
Model (A4, B4) > Geometry

Object Name	Geometry
State	Fully Defined
Definition	
Source	C:\Users\91905\Downloads\disk break.IGS
Type	Iges
Length Unit	Millimeters
Element Control	Program Controlled
Display Style	Body Color
Bounding Box	
Length X	180. mm
Length Y	180. mm
Length Z	21. mm
Properties	
Volume	2.885e+005 mm ³
Mass	2.2647e-003 t
Scale Factor Value	1.
Statistics	
Bodies	1
Active Bodies	1
Nodes	39030
Elements	21095
Mesh Metric	None
Update Options	
Assign Default Material	No
Basic Geometry Options	
Solid Bodies	Yes
Surface Bodies	Yes
Line Bodies	Yes
Parameters	Independent
Parameter Key	
Attributes	Yes
Attribute Key	
Named Selections	Yes
Named Selection Key	
Material Properties	Yes
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	Yes
Coordinate System Key	
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	Yes
Compare Parts On Update	No
Analysis Type	3-D
Mixed Import Resolution	None
Import Facet Quality	Source
Clean Bodies On Import	No
Stitch Surfaces On Import	Program Tolerance
Decompose Disjoint Geometry	Yes
ID_GeometryPrefProcessPhysicsDefinition	No
Enclosure and Symmetry Processing	Yes

TABLE 5
Model (A4, B4) > Geometry > Parts

Object Name	Part1 Solid
-------------	-------------

State	Meshed
Graphics Properties	
Visible	Yes
Transparency	1
Definition	
Suppressed	No
Stiffness Behavior	Flexible
Coordinate System	Default Coordinate System
Reference Temperature	By Environment
Treatment	None
Material	
Assignment	Structural Steel
Nonlinear Effects	Yes
Thermal Strain Effects	Yes
Bounding Box	
Length X	180. mm
Length Y	180. mm
Length Z	21. mm
Properties	
Volume	2.885e+005 mm ³
Mass	2.2647e-003 t
Centroid X	-3.1909e-005 mm
Centroid Y	2.6916e-004 mm
Centroid Z	0.80092 mm
Moment of Inertia I _{p1}	4.5268 t·mm ²
Moment of Inertia I _{p2}	4.6235 t·mm ²
Moment of Inertia I _{p3}	9.0144 t·mm ²
Statistics	
Nodes	39030
Elements	21095
Mesh Metric	None
CAD Attributes	
Layer:0	0
Color:201.209.238	

TABLE 6
Model (A4, B4) > Materials

Object Name	Materials
State	Fully Defined
Statistics	
Materials	1
Material Assignments	0

Coordinate Systems

TABLE 7
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Global Coordinate System	Part1 DE 11	Part1 DE 17	Part1 DE 23	Part1 DE 43	Part1 DE 49	Part1 DE 55	Part1 DE 75	Part1 DE 81	Part1 DE 87	Part1 DE 107		
State	Fully Defined												
Type	Cartesian												
Coordinate System ID	0.												
Coordinate System		Program Controlled											
APDL Name													
Suppressed		No											
Origin													
Origin X	0. mm	23.394 mm	0. mm	29.323 mm	83.971 mm	0. mm	88.142 mm	114.87 mm	0. mm	145.44 mm	109.43 mm		
Origin Y	0. mm	177.7 mm	0. mm	109.43 mm	145.44 mm	0. mm	114.87 mm	88.142 mm	0. mm	83.971 mm	29.323 mm		
Origin Z	0. mm	-11.747 mm	0. mm	-86.933 mm	-45. mm	0. mm	-71.402 mm		0. mm	-45. mm	-86.933 mm		
Define By		Global Coordinates											
Location		Defined											
Directional Vectors													
X Axis Data	[1. 0. 0.]	[0. 0. 1.]	[0.13053 0.99144 0.]	[-0.25882 -0.96593 0.]	[0. 0. 1.]	[0.5 0.86603 0.]	[-0.60876 -0.79335 0.]	[0. 0. 1.]	[0.79335 0.60876 0.]	[-0.86603 -0.50 .]	[0. 0. 1.]		
			[-0.13053]	[0.99144]		[-0.5 -]			[-0.79335]	[0.60876]	[-0.96593]		

Y Axis Data	[0. 1. 0.]	-0.99144 0.]	-0.13053 0.]	[0. 0. 1.]	0.86603 0.]	[0.86603 -0.5 0.]	[0. 0. 1.]	-0.60876 0.]	-0.79335 0.]	[0. 0. 1.]	-0.25882 0.]
Z Axis Data	[0. 0. 1.]	[0.99144 -0.13053 0.]	[0. 0. -1.]	[- 0.96593 0.25882 0.]	[0.86603 -0.5 0.]	[0. 0. - 1.]	[- 0.79335 0.60876 0.]	[0.60876 -0.79335 0.]	[0. 0. -1.]	[-0.5 0.86603 0.]	[0.25882 -0.96593 0.]
Transfer Properties											
Source											
Read Only											No
Principal Axis											
Axis								X			
Define By								Fixed Vector			
Orientation About Principal Axis											
Axis								Y			
Define By								Fixed Vector			
Transformations											
Base Configuration								Absolute			
Transformed Configuration		[23.394 177.7 - 11.747]	[0. 0. 0.]	[29.323 109.43 - 86.933]	[83.971 145.44 - 45.]	[0. 0. 0.]	[88.142 114.87 - 71.402]	[114.87 88.142 - 71.402]	[0. 0. 0.]	[145.44 83.971 - 45.]	[109.43 29.323 - 86.933]

TABLE 8
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 113	Part1 DE 119	Part1 DE 139	Part1 DE 145	Part1 DE 151	Part1 DE 171	Part1 DE 177	Part1 DE 183	Part1 DE 203	Part1 DE 209	Part1 DE 215
State	Fully Defined										
Definition											
Type											Cartesian
Coordinate System											Program Controlled
APDL Name											
Suppressed								No			
Origin											
Define By								Global Coordinates			
Origin X	0. mm	177.7 mm	77.583 mm	0. mm	170.9 mm	11.322 mm	0. mm	67.5 mm	38.971 mm	0. mm	128.05 mm
Origin Y	0. mm	23.394 mm	-10.214 mm	0. mm	-45.794 mm	-14.755 mm	0. mm	-116.91 mm	-22.5 mm	0. mm	-98.255 mm
Origin Z	0. mm	-11.747 mm	-89.23 mm	0. mm	23.294 mm	-54.789 mm	0. mm	77.942 mm	-77.942 mm	0. mm	54.789 mm
Location								Defined			
Principal Axis											
Axis						X					
Define By						Fixed Vector					
Orientation About Principal Axis											
Axis						Y					
Define By						Fixed Vector					
Directional Vectors											
X Axis Data	[0.96593 0.25882 0.]	[- 0.99144 -0.13053 0.]	[0. 0. 1.]	[0.99144 -0.13053 0.]	[-0.96593 0.25882 0.]	[0. 0. 1.]	[0.60876 -0.79335 0.]	[-0.5 0.86603 0.]	[0. 0. 1.]	[0.86603 -0.5 0.]	[-0.79335 0.60876 0.]
Y Axis Data	[0.25882 -0.96593 0.]	[0. 0. 1.]	[- 0.99144 0.13053 0.]	[-0.13053 -0.99144 0.]	[0. 0. 1.]	[- 0.60876 0.79335 0.]	[-0.79335 -0.60876 0.]	[0. 0. 1.]	[- 0.86603 0.5 0.]	[-0.5 - 0.86603 0.]	[0. 0. 1.]
Z Axis Data	[0. 0. -1.]	[- 0.13053 0.99144 0.]	[- 0.13053 -0.99144 0.]	[0. 0. -1.]	[0.25882 0.96593 0.]	[- 0.79335 -0.60876 0.]	[0. 0. -1.]	[0.86603 0.5 0.]	[-0.5 - 0.86603 0.]	[0. 0. - 1.]	[0.60876 0.79335 0.]
Transfer Properties											
Source											
Read Only								No			
Transformations											
Base Configuration								Absolute			
Transformed Configuration	[0. 0. 0.]	[177.7 23.394 - 11.747]	[77.583 -10.214 - 89.23]	[0. 0. 0.]	[170.9 - 45.794 - 23.294]	[11.322 -14.755 - 54.789]	[0. 0. 0.]	[67.5 - 116.91 - 77.942]	[38.971 -22.5 - 77.942]	[128.05 - 98.255 - 54.789]	[128.05 - 98.255 - 54.789]

TABLE 9
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 235	Part1 DE 241	Part1 DE 247	Part1 DE 267	Part1 DE 273	Part1 DE 279	Part1 DE 299	Part1 DE 305	Part1 DE 311	Part1 DE 331	Part1 DE 337
State	Fully Defined										

Definition											
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	0.79371 mm	0. mm	13.281 mm	-0.1005 mm	0. mm	-17.265 mm	-6.0289 mm	0. mm	-21.435 mm	-27.935 mm	0. mm
Origin Y	-2.9622 mm	0. mm	-100.88 mm	-0.76338 mm	0. mm	-64.433 mm	-10.442 mm	0. mm	-27.935 mm	-21.435 mm	0. mm
Origin Z	-23.294 mm	0. mm	89.23 mm	11.747 mm	0. mm	86.933 mm	45. mm	0. mm	71.402 mm	0. mm	
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[0. 0. 1.]	[0.25882 -0.96593 0.]	[-0.13053 0.99144 0.]	[0. 0. 1.]	[-0.13053 -0.99144 0.]	[0.25882 0.96593 0.]	[0. 0. 1.]	[-0.5 -0.86603 0.]	[0.60876 0.79335 0.]	[0. 0. 1.]	[-0.79335 -0.60876 0.]
Y Axis Data	[-0.25882 0.96593 0.]	[-0.96593 -0.25882 0.]	[0. 0. 1.]	[0.13053 0.99144 0.]	[-0.99144 0.13053 0.]	[0. 0. 1.]	[0.5 0.86603 0.]	[-0.86603 0.5 0.]	[0. 0. 1.]	[0.79335 0.60876 0.]	[-0.60876 0.79335 0.]
Z Axis Data	[-0.96593 -0.25882 0.]	[0. 0. -1.]	[0.99144 0.13053 0.]	[-0.99144 0.13053 0.]	[0. 0. -1.]	[0.96593 -0.25882 0.]	[0. 0. -1.]	[0.79335 -0.60876 0.]	[-0.60876 0.79335 0.]	[0. 0. -1.]	[0. 0. -1.]
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[0.79371 -2.9622 -23.294]	[0. 0. 0.]	[13.281 -100.88 89.23]	[-0.1005 -0.76338 11.747]	[0. 0. 0.]	[-17.265 -64.433 86.933]	[-6.0289 -10.442 45.]	[0. 0. 0.]	[-21.435 -27.935 71.402]	[-27.935 -21.435 71.402]	[0. 0. 0.]

TABLE 10
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 343	Part1 DE 363	Part1 DE 369	Part1 DE 375	Part1 DE 395	Part1 DE 401	Part1 DE 407	Part1 DE 427	Part1 DE 433	Part1 DE 439	Part1 DE 459
State	Fully Defined										
Definition											
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	-10.442 mm	-64.433 mm	0. mm	-0.76338 mm	-100.88 mm	0. mm	-2.9622 mm	-98.255 mm	0. mm	-22.5 mm	-116.91 mm
Origin Y	-6.0289 mm	-17.265 mm	0. mm	-0.1005 mm	13.281 mm	0. mm	0.79371 mm	128.05 mm	0. mm	38.971 mm	67.5 mm
Origin Z	45. mm	86.933 mm	0. mm	11.747 mm	89.23 mm	0. mm	-23.294 mm	54.789 mm	0. mm	-77.942 mm	77.942 mm
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[0.86603 0.5 0.]	[0. 0. 1.]	[-0.96593 -0.25882 0.]	[0.99144 0.13053 0.]	[0. 0. 1.]	[-0.99144 0.13053 0.]	[0.96593 -0.25882 0.]	[0. 0. 1.]	[-0.60876 0.79335 0.]	[0.5 -0.86603 0.]	[0. 0. 1.]
			[-0.96593 0.25882]		[0.99144]	[0.13053]		[0.60876]	[0.79335]	[0. 0.]	[0.86603]

Y Axis Data	[0. 0. 1.]	0.25882 0.]	0.96593 0.]	[0. 0. 1.]	-0.13053 0.]	0.99144 0.]	[0. 0. 1.]	-0.79335 0.]	0.60876 0.]	1.]	-0.5 0.]
Z Axis Data	[0.5 - 0.86603 0.]	-0.25882 0.96593 0.]	[0. 0. - 1.]	[0.13053 -0.99144 0.]	[0.13053 0.99144 0.]	[0. 0. -1.]	-0.25882 -0.96593 0.]	[0.79335 0.60876 0.]	[0. 0. -1.]	[- 0.86603 -0.5 0.]	[0.5 0.86603 0.]
Transfer Properties											
Source											
Read Only								No			
Transformations											
Base Configuration								Absolute			
Transformed Configuration	[-10.442 -6.0289 45.]	[-64.433 - 17.265 86.933]	[0. 0. 0.]	[-0.76338 -0.1005 11.747]	[-100.88 13.281 89.23]	[0. 0. 0.]	[-2.9622 0.79371 - 23.294]	[-98.255 128.05 54.789]	[0. 0. 0.]	[-22.5 38.971 - 77.942]	[-116.91 67.5 77.942]

TABLE 11
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 465	Part1 DE 471	Part1 DE 491	Part1 DE 497	Part1 DE 503	Part1 DE 535	Part1 DE 559	Part1 DE 587	Part1 DE 593	Part1 DE 599	Part1 DE 619
State								Fully Defined			
Definition											
Type								Cartesian			
Coordinate System								Program Controlled			
APDL Name											
Suppressed								No			
Origin											
Define By								Global Coordinates			
Origin X	0. mm	-14.755 mm	-45.794 mm	0. mm	-10.214 mm	0. mm	-1.1117e-029 mm	-178. mm	0. mm	89. mm	-89. mm
Origin Y	0. mm	11.322 mm	170.9 mm	0. mm	77.583 mm	3.8406e-014 mm	-9.0779e-014 mm	-7. mm	5.5864e-014 mm	-7. mm	7. mm
Origin Z	0. mm	-54.789 mm	23.294 mm	0. mm	-89.23 mm	-11. mm	26. mm	7. mm	16. mm	-82. mm	-96. mm
Location								Defined			
Principal Axis											
Axis								X			
Define By								Fixed Vector			
Orientation About Principal Axis											
Axis								Y			
Define By								Fixed Vector			
Directional Vectors											
X Axis Data	[- 0.86603 0.5 0.]	[0.79335 - 0.60876 0.]	[0. 0. 1.]	[-0.25882 0.96593 0.]	[0.13053 - 0.99144 0.]	[1. 0. 0.]	[-1. 0. 0.]	[0. 0. 1.]	[0. 0. - 1.]		
Y Axis Data	[0.5 0.86603 0.]	[0. 0. 1.]	[0.25882 - 0.96593 0.]	[0.96593 0.25882 0.]	[0. 0. 1.]	[0. -1. 0.]	[0. 0. 1.]	[0. 1. 0.]	[1. 0. 0.]	[-1. 0. 0.]	
Z Axis Data	[0. 0. - 1.]	[-0.60876 -0.79335 0.]	[0.96593 0.25882 0.]	[0. 0. -1.]	[-0.99144 -0.13053 0.]	[0. 0. -1.]	[0. 1. 0.]	[0. 0. -1.]	[0. 1. 0.]		
Transfer Properties											
Source											
Read Only								No			
Transformations											
Base Configuration								Absolute			
Transformed Configuration	[0. 0. 0.]	[-14.755 11.322 - 54.789]	[-45.794 170.9 23.294]	[0. 0. 0.]	[-10.214 77.583 - 89.23]	[0. 3.8406e- 014 -11.]	[-1.1117e- 029 - 9.0779e- 014 26.]	[-178. -7. 7.]	[0. 5.5864e- 014 16.]	[89. - 7. - 82.]	[-89. -7. 96.]

TABLE 12
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 625	Part1 DE 631	Part1 DE 647	Part1 DE 653	Part1 DE 659	Part1 DE 683	Part1 DE 689	Part1 DE 695	Part1 DE 719	Part1 DE 745	Part1 DE 777
State								Fully Defined			
Definition											
Type								Cartesian			
Coordinate System								Program Controlled			
APDL Name											
Suppressed								No			
Origin											
Define By								Global Coordinates			

Origin X	5.9862e-030 mm	0. mm	102. mm	-6.8413e-030 mm	-51. mm	-98. mm	0. mm	49. mm	9.4972e-013 mm	5.0484e-013 mm	4.5655e-013 mm
Origin Y	-4.8881e-014 mm	7. mm	9. mm	-5.5864e-014 mm	9. mm	-12. mm	9.0779e-014 mm	-12. mm	142.34 mm		128.22 mm
Origin Z	-14. mm	-7. mm	9. mm	16. mm	-42. mm	12. mm	26. mm	-37. mm	-8. mm	16. mm	
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[0. 0. -1.]	[-1. 0. 0.]	[0. 0. 1.]	[1. 0. 0.]			
Y Axis Data	[0. 1. 0.]	[0. 0. -1.]	[0. -1. 0.]	[1. 0. 0.]	[0. 0. 1.]	[0. 1. 0.]	[1. 0. 0.]	[0. -1. 0.]			
Z Axis Data	[0. 0. -1.]	[0. 1. 0.]	[0. -1. 0.]	[0. 0. -1.]	[0. -1. 0.]	[0. 1. 0.]	[0. 0. -1.]	[0. 1. 0.]	[0. 0. -1.]		
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[5.9862e-030 - 4.8881e-014 -14.]	[0. 7. - 7.]	[102. 9. 9.]	[-6.8413e-030 - 5.5864e-014 16.]	[-51. 9. - 42.]	[-98. - 12. 12.]	[0. 9.0779e-014 26.]	[49. - 12. - 37.]	[9.4972e-013 142.34 -8.]	[5.0484e-013 142.34 16.]	[4.5655e-013 128.22 16.]

TABLE 13
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 795	Part1 DE 827	Part1 DE 859	Part1 DE 891	Part1 DE 923	Part1 DE 941	Part1 DE 973	Part1 DE 1005	Part1 DE 1037	Part1 DE 1069	Part1 DE 1087								
State	Fully Defined																		
Definition																			
Type	Cartesian																		
Coordinate System	Program Controlled																		
APDL Name																			
Suppressed	No																		
Origin																			
Define By	Global Coordinates																		
Origin X	-23.477 mm	3.8973e-013 mm	3.8227e-013 mm	4.0216e-013 mm	3.5663e-013 mm	-43.683 mm	3.1931e-013 mm	2.1613e-013 mm	2.4018e-013 mm	2.1528e-013 mm	-58.012 mm								
Origin Y	-5.8785 mm	109.54 mm	107.51 mm		100.97 mm	-19.502 mm	89.861 mm	59.714 mm			61.548 mm								
Origin Z	-8. mm	16. mm		-8. mm	16. mm	-8. mm	16. mm		-8. mm	16. mm	-8. mm								
Location	Defined																		
Principal Axis																			
Axis	X																		
Define By	Fixed Vector																		
Orientation About Principal Axis																			
Axis	Y																		
Define By	Fixed Vector																		
Directional Vectors																			
X Axis Data	[-0.882 - 0.47124 0.]	[1. 0. 0.]			[- 0.66764 - 0.74449 0.]	[1. 0. 0.]			[- 0.37274 - 0.92793 0.]										
Y Axis Data	[- 0.47124 0.882 0.]	[0. -1. 0.]			[- 0.74449 0.66764 0.]	[0. -1. 0.]			[- 0.92793 0.37274 0.]										
Z Axis Data	[0. 0. -1.]																		
Transfer Properties																			
Source																			
Read Only	No																		
Transformations																			
Base Configuration	Absolute																		
Transformed Configuration	[- 23.477 - 0.013]	[3.8973e-013]	[3.8227e-013]	[4.0216e-013]	[3.5663e-013]	[- 43.683 - 0.013]	[3.1931e-013]	[2.1613e-013]	[2.4018e-013]	[2.1528e-013]	[- 58.012 - 0.012]								

Configuration	5.8785 - 8.]	109.54 16.]	107.51 16.]	107.51 - 8.]	100.97 16.]	19.502 - 8.]	89.861 16.]	59.714 16.]	59.714 - 8.]	61.548 16.]	39.214 - 8.]
---------------	--------------	-------------	-------------	--------------	-------------	--------------	-------------	-------------	--------------	-------------	--------------

TABLE 14
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 1119	Part1 DE 1151	Part1 DE 1183	Part1 DE 1215	Part1 DE 1233	Part1 DE 1265	Part1 DE 1297	Part1 DE 1329	Part1 DE 1361	Part1 DE 1381	Part1 DE 1425						
State	Fully Defined																
Type	Cartesian																
Coordinate System	Program Controlled																
APDL Name																	
Suppressed	No																
Origin																	
Define By	Global Coordinates																
Origin X	2.1352e-013 mm	2.0719e-014 mm	4.8475e-014 mm	5.5732e-014 mm	-64.734 mm	7.7686e-014 mm	-1.5686e-013 mm	1.8091e-013 mm	1.1613e-013 mm	-63.039 mm	6.2849e-014 mm						
Origin Y	59.348 mm	4.7156 mm		14.699 mm	-62.638 mm	21.676 mm	-50.852 mm		-33.922 mm	-86.949 mm	-18.611 mm						
Origin Z	16. mm		-8. mm	16. mm	-8. mm	16. mm	-8. mm	16. mm		-8. mm	16. mm						
Location	Defined																
Principal Axis																	
Axis	X																
Define By	Fixed Vector																
Orientation About Principal Axis																	
Axis	Y																
Define By	Fixed Vector																
Directional Vectors																	
X Axis Data	[1. 0. 0.]				[-3.2893e-002 -0.99946 0.]	[1. 0. 0.]				[0.31093 -0.95043 0.]	[1. 0. 0.]						
Y Axis Data	[0. -1. 0.]				[-0.99946 3.2893e-002 0.]	[0. -1. 0.]				[0.95043 -0.31093 0.]	[0. -1. 0.]						
Z Axis Data	[0. 0. -1.]																
Transfer Properties																	
Source																	
Read Only	No																
Transformations																	
Base Configuration	Absolute																
Transformed Configuration	[2.1352e-013 59.348 16.]	[2.0719e-014 4.7156 16.]	[4.8475e-014 4.7156 -8.]	[5.5732e-014 14.699 16.]	[-64.734 -62.638 -8.]	[7.7686e-014 21.676 16.]	[-1.5686e-013 -50.852 -8.]	[1.8091e-013 -50.852 16.]	[1.1613e-013 -33.922 16.]	[-63.039 -86.949 -8.]	[6.2849e-014 -18.611 16.]						

TABLE 15
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 1457	Part1 DE 1483	Part1 DE 1515	Part1 DE 1547	Part1 DE 1595	Part1 DE 1627	Part1 DE 1675	Part1 DE 1707	Part1 DE 1739	Part1 DE 1765	Part1 DE 1797									
State	Fully Defined																			
Type	Cartesian																			
Coordinate System	Program Controlled																			
APDL Name																				
Suppressed	No																			
Origin																				
Define By	Global Coordinates																			
Origin X	1.3152e-013 mm	-3.5175e-013 mm	-2.7988e-013 mm	-2.0131e-013 mm	-4.9215e-013 mm	-4.0415e-013 mm	-3.1204e-013 mm	-5.6318e-013 mm	-4.797e-013 mm	-88.308 mm	-3.8563e-013 mm									
Origin Y	-100.29 mm		-78.452 mm	-56.652 mm	-137.62 mm	-113.52 mm	-87.861 mm	-158.36 mm	-134.9 mm	-54.433 mm	-108.47 mm									
Origin Z	-8. mm	16. mm									-8. mm									
Location	Defined																			
Principal Axis																				
Axis	X																			
Define By	Fixed Vector																			
Orientation About Principal Axis																				

Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[1. 0. 0.]								[- 0.44933 -0.89337 0.]	[1. 0. 0.]	
Y Axis Data	[0. -1. 0.]								[- 0.89337 0.44933 0.]	[0. -1. 0.]	
Z Axis Data	[0. 0. -1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[1.3152e-013 - 100.29 - 8.]	[- 3.5175e-013 - 100.29 16.]	[- 2.7988e-013 - 78.452 16.]	[- 2.0131e-013 - 56.652 16.]	[- 4.9215e-013 - 137.62 16.]	[- 4.0415e-013 - 113.52 16.]	[- 3.1204e-013 - 87.861 16.]	[- 5.6318e-013 - 158.36 16.]	[- 4.797e-013 - 134.9 16.]	[- -88.308 -54.433 - 8.]	[- 3.8563e-013 - 108.47 16.]

TABLE 16
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 1829	Part1 DE 1855	Part1 DE 1891	Part1 DE 1927	Part1 DE 1959	Part1 DE 1991	Part1 DE 2017	Part1 DE 2049	Part1 DE 2067	Part1 DE 2099	Part1 DE 2131										
State	Fully Defined																				
Definition																					
Type	Cartesian																				
Coordinate System	Program Controlled																				
APDL Name																					
Suppressed	No																				
Origin																					
Define By	Global Coordinates																				
Origin X	-5.6788e-013 mm	-30.499 mm	-47.823 mm	-4.9776e-013 mm	-4.1212e-013 mm	-5.0484e-013 mm	-41.857 mm	6.4557e-014 mm	-4.5655e-013 mm	-3.8973e-013 mm	-3.8227e-013 mm										
Origin Y	-160. mm	-11.041 mm	-116.33 mm	-140. mm	-116. mm	-142.34 mm	-81.227 mm	-128.22 mm		-109.54 mm	-107.51 mm										
Origin Z	16. mm	-8. mm		16. mm			-8. mm		16. mm												
Location	Defined																				
Principal Axis																					
Axis	X																				
Define By	Fixed Vector																				
Orientation About Principal Axis																					
Axis	Y																				
Define By	Fixed Vector																				
Directional Vectors																					
X Axis Data	[1. 0. 0.]	[- 0.76828 -0.64012 0.]	[0.71085 -0.70334 0.]	[1. 0. 0.]			[0.58035 -0.81437 0.]	[1. 0. 0.]													
Y Axis Data	[0. -1. 0.]	[- 0.64012 0.76828 0.]	[-0.70334 -0.71085 0.]	[0. -1. 0.]			[-0.81437 -0.58035 0.]	[0. -1. 0.]													
Z Axis Data	[0. 0. -1.]																				
Transfer Properties																					
Source																					
Read Only	No																				
Transformations																					
Base Configuration	Absolute																				
Transformed Configuration	[- 5.6788e-013 - 11.041 - 160. 16.]	[-30.499 -11.041 - 8. 16.]	[-47.823 -116.33 - 8. 16.]	[- 4.9776e-013 - 140. 16.]	[- 4.1212e-013 - 116. 16.]	[- 5.0484e-013 - 142.34 16.]	[-41.857 -81.227 - 8. 16.]	[6.4557e-014 - 128.22 - 8. 16.]	[-4.5655e-013 - 128.22 - 16. 16.]	[-3.8973e-013 - 109.54 16. 16.]	[-3.8227e-013 - 107.51 16. 16.]										

TABLE 17
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 2163	Part1 DE 2195	Part1 DE 2213	Part1 DE 2245	Part1 DE 2277	Part1 DE 2309	Part1 DE 2341	Part1 DE 2367	Part1 DE 2399	Part1 DE 2431	Part1 DE 2463
State	Fully Defined										

Definition																			
Type	Cartesian																		
Coordinate System	Program Controlled																		
APDL Name																			
Suppressed	No																		
Origin																			
Define By	Global Coordinates																		
Origin X	-4.0216e-013 mm	-1.6144e-015 mm	-3.5663e-013 mm	-3.1931e-013 mm	-2.1613e-013 mm	-2.4018e-013 mm	-5.2098e-013 mm	-2.1528e-013 mm	-2.1352e-013 mm	-2.0719e-014 mm	-4.8475e-014 mm								
Origin Y	-107.51 mm	-100.97 mm	-89.861 mm	-59.714 mm	-61.548 mm	-59.348 mm	-4.7156 mm												
Origin Z	-8. mm		16. mm		-8. mm		16. mm		-8. mm										
Location	Defined																		
Principal Axis																			
Axis	X																		
Define By	Fixed Vector																		
Orientation About Principal Axis																			
Axis	Y																		
Define By	Fixed Vector																		
Directional Vectors																			
X Axis Data	[1. 0. 0.]																		
Y Axis Data	[0. -1. 0.]																		
Z Axis Data	[0. 0. -1.]																		
Transfer Properties																			
Source																			
Read Only	No																		
Transformations																			
Base Configuration	Absolute																		
Transformed Configuration	[-4.0216e-013 - 107.51 - 8.]	[-1.6144e-015 - 100.97 - 8.]	[-3.5663e-013 - 100.97 16.]	[-3.1931e-013 - 89.861 16.]	[-2.1613e-013 - 59.714 16.]	[-2.4018e-013 - 59.714 - 8.]	[-5.2098e-013 - 61.548 - 8.]	[-2.1528e-013 - 61.548 16.]	[-2.1352e-013 - 59.348 16.]	[-2.0719e-014 - 4.7156 16.]	[-4.8475e-014 - 4.7156 - 8.]								

TABLE 18
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 2495	Part1 DE 2521	Part1 DE 2553	Part1 DE 2593	Part1 DE 2625	Part1 DE 2635	Part1 DE 2667	Part1 DE 2699	Part1 DE 2731	Part1 DE 2757	Part1 DE 2789										
State	Fully Defined																				
Definition																					
Type	Cartesian																				
Coordinate System	Program Controlled																				
APDL Name																					
Suppressed	No																				
Origin																					
Define By	Global Coordinates																				
Origin X	-1.3621e-013 mm	-5.5732e-014 mm	-7.7686e-014 mm	1.8091e-013 mm	3.0653e-013 mm	136.25 mm	1.1613e-013 mm	6.2849e-014 mm	3.5175e-013 mm	142. mm	2.7988e-013 mm										
Origin Y	-14.699 mm		-21.676 mm	50.852 mm		80.169 mm	33.922 mm	18.611 mm	100.29 mm	31.102 mm	78.452 mm										
Origin Z	-8. mm	16. mm		-8. mm		16. mm		-8. mm		16. mm											
Location	Defined																				
Principal Axis																					
Axis	X																				
Define By	Fixed Vector																				
Orientation About Principal Axis																					
Axis	Y																				
Define By	Fixed Vector																				
Directional Vectors																					
X Axis Data	[1. 0. 0.]				[-0.48566 - 0.87415 0.]	[1. 0. 0.]			[-0.90845 -0.418 0.]	[1. 0. 0.]											
Y Axis Data	[0. -1. 0.]				[-0.87415 0.48566 0.]	[0. -1. 0.]			[-0.418 0.90845 0.]	[0. -1. 0.]											
Z Axis Data	[0. 0. -1.]																				
Transfer Properties																					

Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-1.3621e-013 - 14.699 - 8.]	[-5.5732e-014 - 14.699 16.]	[-7.7686e-014 - 21.676 16.]	[1.8091e-013 50.852 16.]	[3.0653e-013 50.852 - 8.]	[136.25 80.169 - 8.]	[1.1613e-013 33.922 16.]	[6.2849e-014 18.611 16.]	[3.5175e-013 100.29 16.]	[142.31.102 - 8.]	[2.7988e-013 78.452 16.]

TABLE 19
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 2821	Part1 DE 2853	Part1 DE 2917	Part1 DE 2949	Part1 DE 2981	Part1 DE 3013	Part1 DE 3031	Part1 DE 3063	Part1 DE 3095	Part1 DE 3121	Part1 DE 3153				
State	Fully Defined														
Type	Definition														
Coordinate System	Cartesian														
APDL Name	Program Controlled														
Suppressed	No														
Define By	Origin														
Origin X	2.0131e-013 mm	4.9215e-013 mm	4.0415e-013 mm	3.1204e-013 mm	5.6318e-013 mm	7.4782e-013 mm	4.797e-013 mm	3.8563e-013 mm	1.0663e-012 mm	5.6788e-013 mm	2.2691e-012 mm				
Origin Y	56.652 mm	137.62 mm	113.52 mm	87.861 mm	158.36 mm	134.9 mm		108.47 mm	160. mm		140. mm				
Origin Z	16. mm				-8. mm	16. mm		-8. mm	16. mm		-8. mm				
Location	Defined														
Axis	Principal Axis														
Define By	X														
Orientation About Principal Axis	Fixed Vector														
Axis	Y														
Define By	Fixed Vector														
X Axis Data	Directional Vectors														
Y Axis Data	[1. 0. 0.]														
Z Axis Data	[0. -1. 0.]														
Transfer Properties															
Source															
Read Only	No														
Transformations															
Base Configuration	Absolute														
Transformed Configuration	[2.0131e-013 56.652 16.]	[4.9215e-013 137.62 16.]	[4.0415e-013 113.52 16.]	[3.1204e-013 87.861 16.]	[5.6318e-013 158.36 16.]	[7.4782e-013 134.9 -8.]	[4.797e-013 134.9 16.]	[3.8563e-013 108.47 16.]	[1.0663e-012 160. -8.]	[5.6788e-013 160. 16.]	[2.2691e-012 140. -8.]				

TABLE 20
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 3171	Part1 DE 3219	Part1 DE 3255	Part1 DE 3287	Part1 DE 3319	Part1 DE 3351	Part1 DE 3383	Part1 DE 3415	Part1 DE 3443	Part1 DE 3487	Part1 DE 3507						
State	Fully Defined																
Type	Definition																
Coordinate System	Cartesian																
APDL Name	Program Controlled																
Suppressed	No																
Define By	Origin																
Origin X	4.9776e-013 mm	-57.583 mm	4.1212e-013 mm	2.6881e-013 mm	-2.623e-015 mm	-2.7104e-013 mm	-1.6007e-013 mm	1.6807e-013 mm	-1.0262e-029 mm	0. mm	-2.7837e-014 mm						
Origin Y	140. mm	23.673 mm	116. mm	75.673 mm	-1.2994 mm	-76.476 mm	-45.965 mm	48.068 mm	8.3796e-014 mm	-7.3321e-014 mm	-2.6427e-014 mm						
Origin Z	16. mm	-8. mm	16. mm	26. mm						24. mm	21. mm	-8. mm					
Location	Defined																
Axis	Principal Axis																
Define By	X																

Orientation About Principal Axis																	
Axis	Y																
Define By	Fixed Vector																
Directional Vectors																	
X Axis Data	[1. 0. 0.]	[-0.71085 0.70334 0.]	[1. 0. 0.]						[-1. 0. 0.]	[1. 0. 0.]	[0.9941 0.10846 0.]						
Y Axis Data	[0. -1. 0.]	[0.70334 0.71085 0.]	[0. -1. 0.]						[0. 1. 0.]	[0. -1. 0.]	[0.10846 -0.9941 0.]						
Z Axis Data	[0. 0. -1.]																
Transfer Properties																	
Source																	
Read Only	No																
Transformations																	
Base Configuration	Absolute																
Transformed Configuration	[4.9776e-013 140. 16.]	[-57.583 23.673 - 8.]	[4.1212e-013 116. 16.]	[2.6881e-013 75.673 26.]	[-2.623e-015 - 1.2994 26.]	[2.7104e-013 - 76.476 26.]	[-1.6007e-013 - 45.965 26.]	[1.6807e-013 48.068 26.]	[-1.0262e-029 8.3796e-014 24.]	[0. -7.3321e-014 21. 1.]	[2.7837e-014 - 2.6427e-014 - 8.]						

TABLE 21
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 3525	Part1 DE 3535	Part1 DE 3545	Part1 DE 3555	Part1 DE 3565	Part1 DE 3575	Part1 DE 3585	Part1 DE 3595	Part1 DE 3605	Part1 DE 3615	Part1 DE 3625
State	Fully Defined										
Definition											
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	5.8224e-014 mm	1.1707e-014 mm	6.4247e-014 mm	5.5308e-014 mm	6.2671e-014 mm	1.4696e-013 mm	5.3654e-014 mm	2.2345e-014 mm	3.8569e-014 mm	1.5905e-014 mm	1.9713e-014 mm
Origin Y	2.4773e-014 mm	1.1505e-014 mm	7.4224e-015 mm	-2.3103e-014 mm	-1.2335e-014 mm	-2.1979e-013 mm	-2.9985e-014 mm	-1.6964e-014 mm	-4.2841e-014 mm	-2.8122e-014 mm	-4.8945e-014 mm
Origin Z	-8. mm	-4. mm	-8. mm	-4. mm	-8. mm	-4. mm	-8. mm	-4. mm	-8. mm	-4. mm	-8. mm
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-1. 0. 0.]	[-0.99144 0.13053 0.]	[-0.95994 0.28022 0.]	[-0.86603 0.5 0.]	[-0.77963 0.62624 0.]	[-0.60876 0.79335 0.]	[-0.48063 0.87692 0.]	[-0.25882 0.96593 0.]	[-0.10846 0.9941 0.]	[0.13053 0.99144 0.]	[0.28022 0.95994 0.]
Y Axis Data	[0. 1. 0.]	[0.13053 0.99144 0.]	[0.28022 0.95994 0.]	[0.5 0.86603 0.]	[0.62624 0.77963 0.]	[0.79335 0.60876 0.]	[0.87692 0.48063 0.]	[0.96593 0.25882 0.]	[0.9941 0.10846 0.]	[0.99144 -0.13053 0.]	[0.95994 -0.28022 0.]
Z Axis Data	[0. 0. -1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[5.8224e-014 2.4773e-014 014 -8.]	[1.1707e-014 1.1505e-014 014 -4.]	[6.4247e-014 7.4224e-015 015 -8.]	[5.5308e-014 - 2.3103e-014 014 -4.]	[6.2671e-014 - 1.2335e-014 014 -8.]	[1.4696e-013 - 2.1979e-013 013 -4.]	[5.3654e-014 - 2.9985e-014 014 -8.]	[2.2345e-014 - 1.6964e-014 014 -4.]	[3.8569e-014 - 4.2841e-014 014 -8.]	[1.5905e-014 - 4.2841e-014 014 -4.]	[1.9713e-014 - 2.8122e-014 014 -4.]

TABLE 22
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 3635	Part1 DE 3645	Part1 DE 3655	Part1 DE 3665	Part1 DE 3675	Part1 DE 3699	Part1 DE 3863	Part1 DE 4023	Part1 DE 4033	Part1 DE 4043	Part1 DE 4053
State	Fully Defined										
Definition											
Type	Cartesian										
Coordinate											

System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	-1.7725e-014 mm	-4.3931e-017 mm	-2.0845e-013 mm	-1.7694e-014 mm	1.8225e-015 mm	-5.9862e-030 mm	0. mm	-3.0468e-014 mm	-4.781e-015 mm	-3.6655e-014 mm	-4.1912e-014 mm
Origin Y	-6.4281e-014 mm	-4.7369e-014 mm	-1.5136e-013 mm	-3.8353e-014 mm	-2.7724e-014 mm	4.8881e-014 mm	4.8881e-014 mm	-2.4773e-014 mm	-2.7239e-014 mm	-4.412e-015 mm	-1.0535e-015 mm
Origin Z	-4. mm	-8. mm	-4. mm	-8. mm	-4. mm	14. mm	-8. mm	-4. mm	-8. mm	-4. mm	-4. mm
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[0.5 0.86603 0.]	[0.62624 0.77963 0.]	[0.79335 0.60876 0.]	[0.87692 0.48063 0.]	[0.96593 0.25882 0.]	[-1. 0. 0.]	[1. 0. 0.]	[0.99144 -0.13053 0.]	[0.95994 -0.28022 0.]	[0.86603 -0.5 0.]	
Y Axis Data	[0.86603 -0.5 0.]	[0.77963 -0.62624 0.]	[0.60876 -0.79335 0.]	[0.48063 -0.87692 0.]	[0.25882 -0.96593 0.]	[0. 1. 0.]	[0. -1. 0.]	[-0.13053 -0.99144 0.]	[-0.28022 -0.95994 0.]	[-0.5 0.86603 0.]	
Z Axis Data	[0. 0. -1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-1.7725e-014 -6.4281e-014 -4. 1.4931e-017 -4.7369e-014 -8. 2.0845e-013 -1.5136e-013 -3.8353e-014 -8. 1.7694e-014 -3.8353e-014 -2.7724e-014 -8. 1.8225e-015 -2.7724e-014 -4.8881e-014 -14. -5.9862e-030 -4.8881e-014 -2.4773e-014 -8. 0. mm -0.13053 -0.28022 -0. -3.0468e-014 -0.24773e-014 -2.7239e-014 -8. -4.781e-015 -0.412e-015 -3.6655e-014 -0.4412e-015 -0.10535e-015 -8. -4.1912e-014 -0.4412e-015 -3.6655e-014 -0.4412e-015 -0.10535e-015 -8.]										

TABLE 23
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 4063	Part1 DE 4073	Part1 DE 4083	Part1 DE 4093	Part1 DE 4103	Part1 DE 4113	Part1 DE 4123	Part1 DE 4133	Part1 DE 4143	Part1 DE 4153	Part1 DE 4163
State	Fully Defined										
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	-3.5079e-014 mm	-1.3493e-013 mm	-2.6062e-014 mm	-1.8753e-014 mm	-1.0977e-014 mm	-2.2839e-014 mm	7.8787e-015 mm	4.3248e-015 mm	2.7636e-014 mm	1.9643e-013 mm	4.5286e-014 mm
Origin Y	1.5345e-014 mm	1.8508e-013 mm	3.2995e-014 mm	-2.4202e-014 mm	4.5851e-014 mm	-1.1634e-014 mm	5.1956e-014 mm	3.294e-014 mm	5.038e-014 mm	1.3054e-013 mm	4.1363e-014 mm
Origin Z	-8. mm	-4. mm	-8. mm	-4. mm	-8. mm	-4. mm	-8. mm	-4. mm	-8. mm	-4. mm	-8. mm
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[0.77963 -0.62624 0.]	[0.60876 -0.79335 0.]	[0.48063 -0.87692 0.]	[0.25882 -0.96593 0.]	[0.10846 -0.9941 0.]	[-0.13053 -0.99144 0.]	[-0.28022 -0.95994 0.]	[-0.5 -0.86603 0.]	[-0.62624 -0.77963 0.]	[-0.79335 -0.60876 0.]	[-0.87692 -0.48063 0.]
Y Axis Data	[-0.62624 0.77963 0.]	[-0.79335 0.60876 0.]	[-0.87692 0.48063 0.]	[-0.96593 0.25882 0.]	[-0.9941 -0.10846 0.]	[-0.99144 0.13053 0.]	[-0.95994 0.28022 0.]	[-0.86603 0.5 0.]	[-0.77963 0.62624 0.]	[-0.60876 0.79335 0.]	[-0.48063 0.87692 0.]
Z Axis Data	[0. 0. -1.]										
Transfer Properties											

Source											
Read Only	No										
	Transformations										
Base Configuration	Absolute										
Transformed Configuration	[-3.5079e-014 1.5345e-014 -8.]	[-1.3493e-013 1.8508e-013 -4.]	[-2.6062e-014 3.2995e-014 -8.]	[-1.8753e-014 2.4202e-014 -4.]	[-1.0977e-014 4.5851e-014 -8.]	[-2.2839e-014 1.1634e-014 -4.]	[7.8787e-015 5.1956e-014 -8.]	[4.3248e-015 3.294e-014 -4.]	[2.7636e-014 5.038e-014 -8.]	[1.9643e-013 1.3054e-013 -4.]	[4.5286e-014 4.1363e-014 -8.]

TABLE 24
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 4173	Part1 DE 4183	Part1 DE 4211	Part1 DE 4217	Part1 DE 4325	Part1 DE 4365	Part1 DE 4405	Part1 DE 4421	Part1 DE 4439	Part1 DE 4515	Part1 DE 4533								
State	Fully Defined																		
Type	Definition																		
Coordinate System	Cartesian																		
APDL Name	Program Controlled																		
Suppressed	No																		
Define By	Origin																		
	Global Coordinates																		
Origin X	-5.4152e-015 mm	5.5429e-014 mm	-83.971 mm	-22.5 mm	-5.4947e-014 mm	-6.0281e-014 mm	-5.9699e-014 mm	-14.755 mm	-27.935 mm	-22.5 mm	-6.0289 mm								
Origin Y	1.3374e-014 mm	2.9437e-014 mm	145.44 mm	38.971 mm	2.0154e-014 mm	4.3629e-015 mm	-1.2436e-014 mm	-11.322 mm	-21.435 mm	-38.971 mm	-10.442 mm								
Origin Z	-4. mm	-8. mm	-45. mm	-77.942 mm		8. mm		54.789 mm	-71.402 mm	77.942 mm	-45. mm								
Location	Defined																		
Axis	Principal Axis																		
Define By	X																		
Axis	Fixed Vector																		
Define By	Orientation About Principal Axis																		
Axis	Y																		
Define By	Fixed Vector																		
Define By	Directional Vectors																		
X Axis Data	[-0.96593 -0.25882 0.]	[-0.9941 -0.10846 0.]	[0. 0. -1. .]	[0.5 -0.86603 0.]	[-0.47505 0.87996 0.]	[-0.77564 0.63118 0.]	[-0.95814 0.28631 0.]	[0.79335 0.60876 0.]	[0. 0. -1. .]	[0.5 0.86603 0. 0.]	[0. 0. -1. .]								
Y Axis Data	[-0.25882 0.96593 0.]	[-0.10846 0.9941 0. .]	[0.5 -0.86603 0. .]	[0. 0. -1. .]	[0.87996 0.47505 0. .]	[0.63118 0.77564 0. .]	[0.28631 0.95814 0. .]	[0. 0. 1. .]	[0.79335 0.60876 0. .]	[0. 0. 1. .]	[0.5 0.86603 0. .]								
Z Axis Data	[0. 0. -1. .]		[-0.86603 -0.5 0. .]		[0. 0. -1. .]			[0.60876 -0.79335 0. .]	[0.86603 -0.5 0. .]										
Transfer Properties																			
Source																			
Read Only	No																		
	Transformations																		
Base Configuration	Absolute																		
Transformed Configuration	[-5.4152e-015 1.3374e-014 -8.]	[5.5429e-014 2.9437e-014 -8.]	[-83.971 145.44 -45. .]	[-22.5 38.971 -77.942 .]	[-5.4947e-014 2.0154e-014 8. .]	[-6.0281e-014 4.3629e-015 8. .]	[-5.9699e-014 1.2436e-014 54.789 .]	[-14.755 -11.322 54.789]	[-27.935 -21.435 -71.402 77.942]	[-22.5 -38.971 -77.942 45. .]	[-6.0289 -10.442 -45. .]								

TABLE 25
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 4553	Part1 DE 4559	Part1 DE 4685	Part1 DE 4691	Part1 DE 4799	Part1 DE 4839	Part1 DE 4879	Part1 DE 4895	Part1 DE 4913	Part1 DE 4989	Part1 DE 5007
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name	Program Controlled										
Suppressed	No										
Define By	Origin										
	Global Coordinates										
Origin X	0.1005 mm	13.281 mm	6.0289 mm	67.5 mm	2.7336e-014 mm	3.2671e-014 mm	3.2089e-014 mm	128.05 mm	114.87 mm	67.5 mm	83.971 mm
Origin Y	-0.76338 mm	-100.88 mm	-10.442 mm	-116.91 mm	-2.2989e-014 mm	-7.198e-015 mm	9.6005e-015 mm	98.255 mm	88.142 mm	116.91 mm	145.44 mm
	11.747	89.23		77.942				-54.789	71.402	-77.942	

Origin Z	mm	mm	45. mm	mm		8. mm		mm	mm	mm	45. mm
Location	Defined										
Axis	Principal Axis										
Define By	X Fixed Vector										
Axis	Orientation About Principal Axis										
Define By	Y Fixed Vector										
Directional Vectors											
X Axis Data	[0. 0. -1.]	[-0.13053 0.99144 0.]	[0. 0. -1.]	[-0.5 0.86603 0.]	[0.47505 -0.87996 0.]	[0.77564 -0.63118 0.]	[0.95814 -0.28631 0.]	[-0.79335 -0.60876 0.]	[0. 0. -1.]	[-0.5 -0.86603 0.]	[0. 0. -1.]
Y Axis Data	[-0.13053 0.99144 0.]	[0. 0. 1.]	[-0.5 0.86603 0.]	[0. 0. -1.]	[-0.87996 -0.47505 0.]	[-0.63118 -0.77564 0.]	[-0.28631 -0.95814 0.]	[0. 0. 1.]	[-0.79335 -0.60876 0.]	[0. 0. -1.]	[-0.5 -0.86603 0.]
Z Axis Data	[0.99144 0.13053 0.]		[0.86603 0.5 0.]			[0. 0. -1.]		[-0.60876 0.79335 0.]		[-0.86603 0.5 0.]	
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[0.1005 -0.76338 11.747]	[13.281 -100.88 89.23]	[6.0289 -10.442 45.]	[67.5 -116.91 77.942]	[2.7336e-014 -2.2989e-014 8.]	[3.2671e-014 -7.198e-015 8.]	[3.2089e-014 9.6005e-015 8.]	[128.05 98.255 -54.789]	[114.87 88.142 71.402]	[67.5 116.91 -77.942]	[83.971 145.44 45.]

TABLE 26
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5027	Part1 DE 5033	Part1 DE 5169	Part1 DE 5175	Part1 DE 5187	Part1 DE 5193	Part1 DE 5205	Part1 DE 5211	Part1 DE 5223	Part1 DE 5229	Part1 DE 5241
State	Fully Defined										
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	-23.394 mm	-10.214 mm	-6.8413e-030 mm	0. mm	-76.735 mm	5.0484e-013 mm	-57.054 mm	4.5655e-013 mm	-38.212 mm	3.8973e-013 mm	-120.79 mm
Origin Y	177.7 mm	77.583 mm	-5.5864e-014 mm	5.5864e-014 mm	-2.1594e-013 mm	142.34 mm	-1.479e-013 mm	128.22 mm	-7.8779e-014 mm	109.54 mm	-3.6398e-013 mm
Origin Z	-11.747 mm	-89.23 mm					16. mm				
Location	Defined										
Axis	Principal Axis										
Define By	X Fixed Vector										
Axis	Orientation About Principal Axis										
Define By	Y Fixed Vector										
Directional Vectors											
X Axis Data	[0. 0. -1.]	[0.13053 -0.99144 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]
Y Axis Data	[0.13053 -0.99144 0.]	[0. 0. 1.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]
Z Axis Data	[-0.99144 -0.13053 0.]					[0. 0. -1.]					
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-23.394 177.7 -11.747]	[-10.214 77.583 -89.23]	[-6.8413e-030 -5.5864e-014 5.5864e-016]	[0. -5.5864e-014 -2.1594e-013 16.]	[-76.735 142.34 -1.479e-013 16.]	[5.0484e-013 142.34 -1.479e-013 16.]	[-57.054 -128.22 128.22 -1.479e-013 16.]	[4.5655e-013 128.22 -1.479e-013 16.]	[-38.212 -7.8779e-014 109.54 -1.479e-013 16.]	[3.8973e-013 109.54 -1.479e-013 16.]	[-120.79 -3.6398e-013 -1.479e-013 16.]

			014 16.]			16.]	16.]	16.]		16.]
--	--	--	----------	--	--	------	------	------	--	------

TABLE 27
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5247	Part1 DE 5259	Part1 DE 5265	Part1 DE 5277	Part1 DE 5283	Part1 DE 5295	Part1 DE 5301	Part1 DE 5313	Part1 DE 5319	Part1 DE 5331	Part1 DE 5337					
State	Fully Defined															
Type	Definition Cartesian															
Coordinate System	Program Controlled															
APDL Name																
Suppressed	No															
Define By	Origin															
Origin X	Global Coordinates 3.8227e-013 mm -97.467 mm 3.5663e-013 mm -73.371 mm 3.1931e-013 mm -150.28 mm 2.1613e-013 mm -126.12 mm 2.1528e-013 mm -99.681 mm 2.1352e-013 mm															
Origin Y	107.51 mm	-	2.8438e-013 mm	100.97 mm	-	1.9939e-013 mm	89.861 mm	-	4.6927e-013 mm	59.714 mm	-	3.8388e-013 mm	61.548 mm	-	2.9291e-013 mm	59.348 mm
Origin Z	16. mm															
Location	Defined															
Axis	Principal Axis X															
Define By	Fixed Vector															
Axis	Orientation About Principal Axis Y															
Define By	Fixed Vector															
Define By	Directional Vectors															
X Axis Data	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]					
Y Axis Data	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]					
Z Axis Data	[0. 0. -1.]															
Source	Transfer Properties															
Read Only	No															
Base Configuration	Transformations Absolute															
Transformed Configuration	[3.8227e-013 107.51 2.8438e-16.]	[-97.467 - 2.8438e-16.]	[3.5663e-013 100.97 1.9939e-16.]	[-73.371 - 1.9939e-16.]	[3.1931e-013 89.861 4.6927e-16.]	[-150.28 - 4.6927e-16.]	[2.1613e-013 59.714 3.8388e-16.]	[-126.12 - 3.8388e-16.]	[2.1528e-013 61.548 2.9291e-16.]	[-99.681 - 2.9291e-16.]	[2.1352e-013 59.348 16.]					

TABLE 28
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5349	Part1 DE 5355	Part1 DE 5367	Part1 DE 5373	Part1 DE 5385	Part1 DE 5391	Part1 DE 5403	Part1 DE 5409	Part1 DE 5421	Part1 DE 5427	Part1 DE 5439
State	Fully Defined										
Type	Definition Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Define By	Origin										
Origin X	-161.64 mm	2.0719e-014 mm	-139.57 mm	5.5732e-014 mm	-113.97 mm	7.7686e-014 mm	-153.5 mm	-1.8091e-013 mm	-136.18 mm	-1.1613e-013 mm	-114.51 mm
Origin Y	-5.087e-013 mm	4.7156 mm	-4.3092e-013 mm	14.699 mm	-3.4236e-013 mm	21.676 mm	-4.8139e-013 mm	-50.852 mm	-4.194e-013 mm	-33.922 mm	-3.444e-013 mm
Origin Z	16. mm										
Location	Defined										
Axis	Principal Axis X										
Define By	Fixed Vector										
Axis	Orientation About Principal Axis Y										
Define By	Fixed Vector										
Define By	Directional Vectors										
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]
Y Axis Data	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]
Z Axis Data	[0. 0. -1.]										

Transfer Properties											
Source											
Read Only	No										
Base Configuration	Transformations										
Transformed Configuration	[-161.64 -5.087e-013 16.]	[2.0719e-014 4.7156 16.]	[-139.57 -4.3092e-013 16.]	[5.5732e-014 14.699 16.]	[-113.97 -3.4236e-013 16.]	[7.7686e-014 21.676 16.]	[-153.5 -4.8139e-013 16.]	[-1.8091e-013 -50.852 16.]	[-136.18 -4.194e-013 16.]	[-1.1613e-013 -33.922 16.]	[-114.51 -3.444e-013 16.]

TABLE 29
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5445	Part1 DE 5457	Part1 DE 5463	Part1 DE 5475	Part1 DE 5481	Part1 DE 5493	Part1 DE 5499	Part1 DE 5511	Part1 DE 5517	Part1 DE 5529	Part1 DE 5535
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name	Program Controlled										
Suppressed	No										
Define By	Origin										
Origin X	-6.2849e-014 mm	-126.85 mm	-3.5175e-013 mm	-116.36 mm	-2.7988e-013 mm	-101.24 mm	-2.0131e-013 mm	-84.902 mm	-4.9215e-013 mm	-82.514 mm	-4.0415e-013 mm
Origin Y	-18.611 mm	-3.855e-013 mm	-100.29 mm	-3.4695e-013 mm	-78.452 mm	-2.9683e-013 mm	-56.652 mm	-2.4522e-013 mm	-137.62 mm	-2.2854e-013 mm	-113.52 mm
Origin Z	16. mm										
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
Define By	Directional Vectors										
X Axis Data	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]
Y Axis Data	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]
Z Axis Data	[0. 0. -1.]										
Source	Transfer Properties										
Read Only	No										
Base Configuration	Transformations										
Transformed Configuration	[-6.2849e-014 -18.611 16.]	[-126.85 -3.855e-013 16.]	[-3.5175e-013 -100.29 16.]	[-116.36 -3.4695e-013 16.]	[-2.7988e-013 -78.452 16.]	[-101.24 -2.9683e-013 16.]	[-2.0131e-013 -56.652 16.]	[-84.902 -2.4522e-013 16.]	[-4.9215e-013 -137.62 16.]	[-82.514 -2.2854e-013 16.]	[-4.0415e-013 -113.52 16.]

TABLE 30
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5547	Part1 DE 5553	Part1 DE 5565	Part1 DE 5571	Part1 DE 5583	Part1 DE 5589	Part1 DE 5601	Part1 DE 5607	Part1 DE 5619	Part1 DE 5625	Part1 DE 5637
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name	Program Controlled										
Suppressed	No										
Define By	Origin										
Origin X	-75.755 mm	-3.1204e-013 mm	-32.712 mm	-5.6318e-013 mm	-38.712 mm	-4.797e-013 mm	-41.136 mm	-3.8563e-013 mm	23.424 mm	-5.6788e-013 mm	9.7599 mm
Origin Y	-2.091e-013 mm	-87.861 mm	-6.1187e-014 mm	-158.36 mm	-7.5327e-014 mm	-134.9 mm	-8.5321e-014 mm	-108.47 mm	1.3652e-013 mm	-160. mm	9.6614e-014 mm
Origin Z	16. mm										
Location	Defined										
Axis	Principal Axis										

Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-1.0. 0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0. 0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]
Y Axis Data	[0.1. 0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1. 0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1. 0.]	[0.1.0.]
Z Axis Data	[0.0.-1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-75.755 -2.091e- 013 16.]	[-3.1204e- 013 - 87.861 16.]	[-32.712 - 6.1187e- 014 16.]	[5.6318e- 013 - 158.36 16.]	[-38.712 - 7.5327e- 014 16.]	[-4.797e- 013 - 134.9 16.]	[-41.136 - 8.5321e- 014 16.]	[3.8563e- 013 - 108.47 16.]	[23.424 1.3652e- 013 16.]	[-5.6788e- 013 -160. 16.]	[9.7599 9.6614e- 014 16.]

TABLE 31
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5643	Part1 DE 5655	Part1 DE 5661	Part1 DE 5673	Part1 DE 5679	Part1 DE 5691	Part1 DE 5697	Part1 DE 5709	Part1 DE 5715	Part1 DE 5727	Part1 DE 5733
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name											
Suppressed	Program Controlled										
Origin	No										
Define By	Origin										
Origin X	-4.9776e- 013 mm	-1.556 mm	-4.1212e- 013 mm	76.735 mm	-5.0484e- 013 mm	57.054 mm	-4.5655e- 013 mm	38.212 mm	-3.8973e- 013 mm	120.79 mm	-3.8227e- 013 mm
Origin Y	-140. mm	5.229e- 014 mm	-116. mm	3.2837e- 013 mm	-142.34 mm	2.6033e- 013 mm	-128.22 mm	1.9121e- 013 mm	-109.54 mm	4.7641e- 013 mm	-107.51 mm
Origin Z	16. mm										
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]
Y Axis Data	[0.-1. 0.]	[0.1. 0.]	[0.-1. 0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]
Z Axis Data	[0.0.-1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[- 4.9776e- 013 -140. 16.]	[-1.556 5.229e- 014 16.]	[- 4.1212e- 013 -116. 16.]	[76.735 3.2837e- 013 16.]	[- 5.0484e- 013 - 142.34 16.]	[57.054 2.6033e- 013 16.]	[- 4.5655e- 013 - 128.22 16.]	[38.212 1.9121e- 013 16.]	[- 3.8973e- 013 - 109.54 16.]	[120.79 4.7641e- 013 16.]	[- 3.8227e- 013 - 107.51 16.]

TABLE 32
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5745	Part1 DE 5751	Part1 DE 5763	Part1 DE 5769	Part1 DE 5781	Part1 DE 5787	Part1 DE 5799	Part1 DE 5805	Part1 DE 5817	Part1 DE 5823	Part1 DE 5835
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										

APDL Name											
Suppressed	No										
Define By	Origin										
Origin X	97.467 mm	-3.5663e-013 mm	73.371 mm	-3.1931e-013 mm	150.28 mm	-2.1613e-013 mm	126.12 mm	-2.1528e-013 mm	99.681 mm	-2.1352e-013 mm	161.64 mm
Origin Y	3.9682e-013 mm	-100.97 mm	3.1183e-013 mm	-89.861 mm	5.817e-013 mm	-59.714 mm	4.9631e-013 mm	-61.548 mm	4.0534e-013 mm	-59.348 mm	6.2027e-013 mm
Origin Z	16. mm										
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
Define By	Directional Vectors										
X Axis Data	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]
Y Axis Data	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]
Z Axis Data	[0.0.-1.]										
Source	Transfer Properties										
Read Only	No										
Base Configuration	Transformations										
Transformed Configuration	[97.467 3.9682e-013 16.]	[-3.5663e-013 -100.97 16.]	[73.371 3.1183e-013 16.]	[-3.1931e-013 -89.861 16.]	[150.28 5.817e-013 16.]	[-2.1613e-013 -59.714 16.]	[126.12 4.9631e-013 16.]	[-2.1528e-013 -61.548 16.]	[99.681 4.0534e-013 16.]	[-2.1352e-013 -59.348 16.]	[161.64 6.2027e-013 16.]

TABLE 33
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5841	Part1 DE 5853	Part1 DE 5859	Part1 DE 5871	Part1 DE 5877	Part1 DE 5889	Part1 DE 5895	Part1 DE 5907	Part1 DE 5913	Part1 DE 5925	Part1 DE 5931
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name											
Suppressed	No										
Define By	Origin										
Origin X	-2.0719e-014 mm	139.57 mm	-5.5732e-014 mm	113.97 mm	-7.7686e-014 mm	153.5 mm	1.8091e-013 mm	136.18 mm	1.1613e-013 mm	114.51 mm	6.2849e-014 mm
Origin Y	-4.7156 mm	5.4336e-013 mm	-14.699 mm	4.548e-013 mm	-21.676 mm	5.9382e-013 mm	50.852 mm	5.3183e-013 mm	33.922 mm	4.5683e-013 mm	18.611 mm
Origin Z	16. mm										
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
Define By	Directional Vectors										
X Axis Data	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]	[-1.0.0.]	[1.0.0.]
Y Axis Data	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]
Z Axis Data	[0.0.-1.]										
Source	Transfer Properties										
Read Only	No										
Base Configuration	Transformations										
Transformed Configuration	[-2.0719e-014 -5.4336e-013 14.699]	[139.57 -5.5732e-014 4.548e-013]	[113.97 -7.7686e-014 21.676]	[153.5 -5.9382e-013 50.852]	[1.8091e-013 5.3183e-013 16.]	[136.18 5.3183e-013 16.]	[1.1613e-013 33.922 16.]	[114.51 4.5683e-013 16.]	[6.2849e-014 18.611 16.]		

16.]

16.]

16.]

TABLE 34
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 5943	Part1 DE 5949	Part1 DE 5961	Part1 DE 5967	Part1 DE 5979	Part1 DE 5985	Part1 DE 5997	Part1 DE 6003	Part1 DE 6015	Part1 DE 6021	Part1 DE 6033
State	Fully Defined										
Type	Definition Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Define By	Origin										
Origin X	126.85 mm	3.5175e- 013 mm	116.36 mm	2.7988e- 013 mm	101.24 mm	2.0131e- 013 mm	84.902 mm	4.9215e- 013 mm	82.514 mm	4.0415e- 013 mm	75.755 mm
Origin Y	4.9793e- 013 mm	100.29 mm	4.5938e- 013 mm	78.452 mm	4.0927e- 013 mm	56.652 mm	3.5765e- 013 mm	137.62 mm	3.4097e- 013 mm	113.52 mm	3.2153e- 013 mm
Origin Z	16. mm										
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]
Y Axis Data	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]
Z Axis Data	[0. 0. -1.]										
Define By	Directional Vectors										
Source											
Read Only	No										
Base Configuration	Transformations										
Transformed Configuration	[126.85 4.9793e- 013 16.]	[3.5175e- 013 100.29 16.]	[116.36 4.5938e- 013 16.]	[2.7988e- 013 78.452 16.]	[101.24 4.0927e- 013 16.]	[2.0131e- 013 56.652 16.]	[84.902 3.5765e- 013 137.62 16.]	[4.9215e- 013 137.62 16.]	[82.514 3.4097e- 013 113.52 16.]	[4.0415e- 013 113.52 16.]	[75.755 3.2153e- 013 16.]

TABLE 35
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6039	Part1 DE 6051	Part1 DE 6057	Part1 DE 6069	Part1 DE 6075	Part1 DE 6087	Part1 DE 6093	Part1 DE 6105	Part1 DE 6111	Part1 DE 6123	Part1 DE 6129
State	Fully Defined										
Type	Definition Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Define By	Origin										
Origin X	3.1204e- 013 mm	32.712 mm	5.6318e- 013 mm	38.712 mm	4.797e- 013 mm	41.136 mm	3.8563e- 013 mm	-23.424 mm	5.6788e- 013 mm	-9.7599 mm	4.9776e- 013 mm
Origin Y	87.861 mm	1.7362e- 013 mm	158.36 mm	1.8776e- 013 mm	134.9 mm	1.9775e- 013 mm	108.47 mm	- mm	2.4086e- 014 mm	160. mm	1.5819e- 014 mm
Origin Z	16. mm										
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
X Axis Data	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]
Y Axis Data	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]
Z Axis Data	[0. 0. -1.]										
Define By	Directional Vectors										

Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[3.1204e-013 87.861 16.]	[32.712 1.7362e-013 16.]	[5.6318e-013 158.36 16.]	[38.712 1.8776e-013 16.]	[4.797e-013 134.9 16.]	[41.136 1.9775e-013 16.]	[3.8563e-013 108.47 16.]	[-23.424 - -]	[5.6788e-013 2.4086e-014 16.]	[-9.7599 -1.5819e-014 16.]	[4.9776e-013 140. 16.]

TABLE 36
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6141	Part1 DE 6147	Part1 DE 6177	Part1 DE 6183	Part1 DE 6195	Part1 DE 6201	Part1 DE 6213	Part1 DE 6219	Part1 DE 6231	Part1 DE 6237	Part1 DE 6249									
State	Fully Defined																			
Definition																				
Type	Cartesian																			
Coordinate System	Program Controlled																			
APDL Name																				
Suppressed	No																			
Origin																				
Define By	Global Coordinates																			
Origin X	1.556 mm	4.1212e-013 mm	6.8413e-030 mm	0. mm	5.0484e-013 mm	-76.735 mm	4.5655e-013 mm	-57.054 mm	3.8973e-013 mm	-38.212 mm	3.8227e-013 mm									
Origin Y	6.0143e-014 mm	116. mm	-5.5864e-014 mm	5.5864e-014 mm	142.34 mm	3.2837e-013 mm	128.22 mm	- 2.6033e-013 mm	109.54 mm	- 1.9121e-013 mm	107.51 mm									
Origin Z	16. mm		-16. mm																	
Location	Defined																			
Principal Axis																				
Axis	X																			
Define By	Fixed Vector																			
Orientation About Principal Axis																				
Axis	Y																			
Define By	Fixed Vector																			
Directional Vectors																				
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]										
Y Axis Data	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]										
Z Axis Data	[0. 0. -1.]																			
Transfer Properties																				
Source																				
Read Only	No																			
Transformations																				
Base Configuration	Absolute																			
Transformed Configuration	[1.556 6.0143e-014 16.]	[4.1212e-013 116. 16.]	[6.8413e-030 -5.5864e-014 -16.]	[0. 5.5864e-014 -16.]	[5.0484e-013 142.34 -16.]	[-76.735 -3.2837e-013 -128.22 -16.]	[4.5655e-013 -2.6033e-013 -109.54 -16.]	[-57.054 -2.6033e-013 -109.54 -16.]	[3.8973e-013 -1.9121e-013 -109.54 -16.]	[-38.212 -1.9121e-013 -109.54 -16.]	[3.8227e-013 -107.51 -16.]									

TABLE 37
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6255	Part1 DE 6267	Part1 DE 6273	Part1 DE 6285	Part1 DE 6291	Part1 DE 6303	Part1 DE 6309	Part1 DE 6321	Part1 DE 6327	Part1 DE 6339	Part1 DE 6345
State	Fully Defined										
Definition											
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	-120.79 mm	3.5663e-013 mm	-97.467 mm	3.1931e-013 mm	-73.371 mm	2.1613e-013 mm	-150.28 mm	2.1528e-013 mm	-126.12 mm	2.1352e-013 mm	-99.681 mm
Origin Y	-4.7641e-013 mm	100.97 mm	-3.9682e-013 mm	89.861 mm	-3.1183e-013 mm	59.714 mm	-5.817e-013 mm	61.548 mm	-4.9631e-013 mm	59.348 mm	-4.0534e-013 mm
Origin Z	-16. mm										
Location	Defined										

Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-1.0. 0.]	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	
Y Axis Data	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	
Z Axis Data	[0.0.-1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-120.79 -4.7641e- 013 -16.]	[3.5663e- 013 100.97 - 16.]	[-97.467 -3.9682e- 013 -16.]	[3.1931e- 013 89.861 - 16.]	[-73.371 -3.1183e- 013 -16.]	[2.1613e- 013 59.714 - 16.]	[-150.28 - 5.817e- 013 - 16.]	[2.1528e- 013 61.548 - 16.]	[-126.12 -4.9631e- 013 -16.]	[2.1352e- 013 59.348 - 16.]	[-99.681 -4.0534e- 013 -16.]

TABLE 38
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6357	Part1 DE 6363	Part1 DE 6375	Part1 DE 6381	Part1 DE 6393	Part1 DE 6399	Part1 DE 6411	Part1 DE 6417	Part1 DE 6429	Part1 DE 6435	Part1 DE 6447
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name											
Suppressed	Program Controlled										
Origin	No										
Define By	Origin										
Origin X	2.0719e- 014 mm	-161.64 mm	5.5732e- 014 mm	-139.57 mm	7.7686e- 014 mm	-113.97 - mm	-1.8091e- 013 mm	-153.5 mm	-1.1613e- 013 mm	-136.18 mm	-6.2849e- 014 mm
Origin Y	4.7156 mm	-6.2027e- 013 mm	14.699 mm	-5.4336e- 013 mm	21.676 mm	-4.548e- 013 mm	-50.852 mm	-5.9382e- 013 mm	-33.922 mm	-5.3183e- 013 mm	-18.611 mm
Origin Z	-16. mm										
Location	Defined										
Principal Axis	Global Coordinates										
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis	Y										
Axis	Fixed Vector										
Define By	Directional Vectors										
X Axis Data	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	[-1.0. 0.]	[1.0.0.]	[-1.0. 0.]	[1.0.0.]
Y Axis Data	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1.0.]	[0.1.0.]	[0.-1. 0.]	[0.1.0.]	[0.-1. 0.]	[0.1.0.]	[0.-1. 0.]
Z Axis Data	[0.0.-1.]										
Transfer Properties	Definition										
Source	Source										
Read Only	No										
Transformations	Transformations										
Base Configuration	Absolute										
Transformed Configuration	[2.0719e- 014 4.7156 - 16.]	[-161.64 -6.2027e- 013 -16.]	[5.5732e- 014 14.699 - 16.]	[-139.57 -5.4336e- 013 -16.]	[7.7686e- 014 21.676 - 16.]	[-113.97 - 4.548e- 013 - 16.]	[1.8091e- 013 - 50.852 - 16.]	[-153.5 - 5.9382e- 013 -16.]	[-1.1613e- 013 - 33.922 - 16.]	[-136.18 -5.3183e- 013 -16.]	[-6.2849e- 014 - 18.611 - 16.]

TABLE 39
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6453	Part1 DE 6465	Part1 DE 6471	Part1 DE 6483	Part1 DE 6489	Part1 DE 6501	Part1 DE 6507	Part1 DE 6519	Part1 DE 6525	Part1 DE 6537	Part1 DE 6543
State	Fully Defined										
Type	Definition										
	Cartesian										

Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	-114.51 mm	-3.5175e-013 mm	-126.85 mm	-2.7988e-013 mm	-116.36	-2.0131e-013 mm	-101.24 mm	-4.9215e-013 mm	-84.902 mm	-4.0415e-013 mm	-82.514 mm
Origin Y	-4.5683e-013 mm	-100.29 mm	-4.9793e-013 mm	-78.452 mm	-4.5938e-013 mm	-56.652	-4.0927e-013 mm	-137.62 mm	-3.5765e-013 mm	-113.52 mm	-3.4097e-013 mm
Origin Z	-16. mm										
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]
Y Axis Data	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]
Z Axis Data	[0. 0. -1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-114.51 -4.5683e-013 -16.]	[3.5175e-013 -100.29 -16.]	[-126.85 -4.9793e-013 -16.]	[2.7988e-013 -78.452 -16.]	[-116.36 -4.5938e-013 -16.]	[2.0131e-013 -56.652 -16.]	[-101.24 -4.0927e-013 -16.]	[4.9215e-013 -137.62 -16.]	[-84.902 -3.5765e-013 -16.]	[4.0415e-013 -113.52 -16.]	[-82.514 -3.4097e-013 -16.]

TABLE 40
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6555	Part1 DE 6561	Part1 DE 6573	Part1 DE 6579	Part1 DE 6591	Part1 DE 6597	Part1 DE 6609	Part1 DE 6615	Part1 DE 6627	Part1 DE 6633	Part1 DE 6645
State	Fully Defined										
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Define By	Global Coordinates										
Origin X	-3.1204e-013 mm	-75.755 mm	-5.6318e-013 mm	-32.712 mm	-4.797e-013 mm	-38.712	-3.8563e-013 mm	-41.136 mm	-5.6788e-013 mm	23.424 mm	-4.9776e-013 mm
Origin Y	-87.861 mm	-3.2153e-013 mm	-158.36 mm	-1.7362e-013 mm	-134.9	-1.8776e-013 mm	-108.47 mm	-1.9775e-013 mm	-160. mm	2.4086e-014 mm	-140. mm
Origin Z	-16. mm										
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]
Y Axis Data	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]
Z Axis Data	[0. 0. -1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
	[-3.1204e-013]	[-75.755]	[-5.6318e-013]	[-32.712]	[-4.797e-013]	[-38.712]	[-3.8563e-013]	[-41.136]	[-]	[23.424]	[-]

Transformed Configuration	013 - 87.861 - 16.]	-3.2153e- 013 - 16.]	013 - 158.36 - 16.]	-1.7362e- 013 - 16.]	013 - 134.9 - 16.]	-1.8776e- 013 - 16.]	013 - 108.47 - 16.]	-1.9775e- 013 - 16.]	5.6788e- 013 - 160. -16.]	2.4086e- 014 - 16.]	4.9776e- 013 - 140. -16.]
---------------------------	----------------------	-----------------------	----------------------	-----------------------	---------------------	-----------------------	----------------------	-----------------------	----------------------------	----------------------	----------------------------

TABLE 41
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6651	Part1 DE 6663	Part1 DE 6669	Part1 DE 6681	Part1 DE 6687	Part1 DE 6699	Part1 DE 6705	Part1 DE 6717	Part1 DE 6723	Part1 DE 6735	Part1 DE 6741
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name	Program Controlled										
Suppressed	No										
Define By	Origin										
Origin X	9.7599 mm	-4.1212e- 013 mm	-1.556 mm	-5.0484e- 013 mm	76.735 mm	-4.5655e- 013 mm	57.054 mm	-3.8973e- 013 mm	38.212 mm	-3.8227e- 013 mm	120.79 mm
Origin Y	-1.5819e- 014 mm	-116. mm	-6.0143e- 014 mm	-142.34 mm	2.1594e- 013 mm	-128.22 mm	1.479e- 013 mm	-109.54 mm	7.8779e- 014 mm	-107.51 mm	3.6398e- 013 mm
Origin Z	-16. mm										
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
Define By	Directional Vectors										
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]
Y Axis Data	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]
Z Axis Data	[0. 0. -1.]										
Source	Transfer Properties										
Read Only	No										
Base Configuration	Transformations										
Transformed Configuration	[9.7599 - 1.5819e- 014 - 16.]	[-4.1212e- 013 - 116. -16.]	[-1.556 - 6.0143e- 014 - 16.]	[-5.0484e- 013 - 142.34 - 16.]	[76.735 - 2.1594e- 013 - 16.]	[-4.5655e- 013 - 128.22 - 16.]	[57.054 - 1.479e- 013 - 16.]	[-3.8973e- 013 - 109.54 - 16.]	[38.212 - 7.8779e- 014 - 107.51 - 16.]	[-3.8227e- 013 - 107.51 - 16.]	[120.79 - 3.6398e- 013 - 16.]

TABLE 42
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6753	Part1 DE 6759	Part1 DE 6771	Part1 DE 6777	Part1 DE 6789	Part1 DE 6795	Part1 DE 6807	Part1 DE 6813	Part1 DE 6825	Part1 DE 6831	Part1 DE 6843
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name	Program Controlled										
Suppressed	No										
Define By	Origin										
Origin X	-3.5663e- 013 mm	97.467 mm	-3.1931e- 013 mm	73.371 mm	-2.1613e- 013 mm	150.28 mm	-2.1528e- 013 mm	126.12 mm	-2.1352e- 013 mm	99.681 mm	-2.0719e- 014 mm
Origin Y	-100.97 mm	2.8438e- 013 mm	-89.861 mm	1.9939e- 013 mm	-59.714 mm	4.6927e- 013 mm	-61.548 mm	3.8388e- 013 mm	-59.348 mm	2.9291e- 013 mm	-4.7156 mm
Origin Z	-16. mm										
Location	Defined										
Axis	Principal Axis										
Define By	X										
Axis	Fixed Vector										
Define By	Orientation About Principal Axis										
Axis	Y										
Define By	Fixed Vector										
Define By	Directional Vectors										
X Axis Data	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]

Y Axis Data	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]
Z Axis Data								[0. 0. -1.]			
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[- 3.5663e- 013 - 100.97 - 16.]	[97.467 2.8438e- 013 - 89.861 - 16.]	[- 3.1931e- 013 - 89.861 - 16.]	[73.371 1.9939e- 013 - 59.714 - 16.]	[- 2.1613e- 013 - 59.714 - 16.]	[150.28 4.6927e- 013 - 61.548 - 16.]	[- 2.1528e- 013 - 3.8388e- 013 - 16.]	[126.12 9.3888e- 013 - 59.348 - 16.]	[- 2.1352e- 013 - 99.681 - 2.9291e- 013 - 16.]	[- 2.0719e- 014 - 4.7156 - 16.]	

TABLE 43
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6849	Part1 DE 6861	Part1 DE 6867	Part1 DE 6879	Part1 DE 6885	Part1 DE 6897	Part1 DE 6903	Part1 DE 6915	Part1 DE 6921	Part1 DE 6933	Part1 DE 6939
State	Fully Defined										
Definition											
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	161.64 mm	-5.5732e- 014 mm	139.57 mm	-7.7686e- 014 mm	113.97 mm	1.8091e- 013 mm	153.5 mm	1.1613e- 013 mm	136.18 mm	6.2849e- 014 mm	114.51 mm
Origin Y	5.087e- 013 mm	-14.699 mm	4.3092e- 013 mm	-21.676 mm	3.4236e- 013 mm	50.852 mm	4.8139e- 013 mm	33.922 mm	4.194e- 013 mm	18.611 mm	3.444e- 013 mm
Origin Z	-16. mm										
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]
Y Axis Data	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]
Z Axis Data	[0. 0. -1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[161.64 5.087e- 013 - 16.]	[5.5732e- 014 - 14.699 - 16.]	[139.57 4.3092e- 013 - 21.676 - 16.]	[7.7686e- 014 - 21.676 - 16.]	[113.97 3.4236e- 013 - 50.852 - 16.]	[1.8091e- 013 50.852 - 16.]	[153.5 4.8139e- 013 - 33.922 - 16.]	[1.1613e- 013 33.922 - 16.]	[136.18 4.194e- 013 - 18.611 - 16.]	[6.2849e- 014 18.611 - 16.]	[114.51 3.444e- 013 - 16.]

TABLE 44
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 6951	Part1 DE 6957	Part1 DE 6969	Part1 DE 6975	Part1 DE 6987	Part1 DE 6993	Part1 DE 7005	Part1 DE 7011	Part1 DE 7023	Part1 DE 7029	Part1 DE 7041
State	Fully Defined										
Definition											
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	3.5175e- 013 mm	126.85 mm	2.7988e- 013 mm	116.36 mm	2.0131e- 013 mm	101.24 mm	4.9215e- 013 mm	84.902 mm	4.0415e- 013 mm	82.514 mm	3.1204e- 013 mm
Origin Y	100.29	3.855e- 013	78.452	3.4695e- 013	56.652	2.9683e- 013	137.62	2.4522e- 013	113.52	2.2854e- 013	87.861

	mm	013 mm	mm	013 mm	mm	013 mm	mm	013 mm	mm	013 mm	mm
Origin Z						-16. mm					
Location						Defined					
	Principal Axis										
Axis						X					
Define By						Fixed Vector					
	Orientation About Principal Axis										
Axis						Y					
Define By						Fixed Vector					
	Directional Vectors										
X Axis Data	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]
Y Axis Data	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]
Z Axis Data						[0. 0. -1.]					
	Transfer Properties										
Source											
Read Only						No					
	Transformations										
Base Configuration						Absolute					
Transformed Configuration	[3.5175e-013 100.29 - 16.]	[126.85 3.855e- 013 -013 - 16.]	[2.7988e-013 78.452 - 16.]	[116.36 3.4695e- 013 - 16.]	[2.0131e-013 56.652 - 16.]	[101.24 2.9683e- 013 - 16.]	[4.9215e-013 137.62 - 16.]	[84.902 2.4522e- 013 - 16.]	[4.0415e-013 113.52 - 16.]	[82.514 2.2854e- 013 - 16.]	[3.1204e-013 87.861 - 16.]

TABLE 45
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 7047	Part1 DE 7059	Part1 DE 7065	Part1 DE 7077	Part1 DE 7083	Part1 DE 7095	Part1 DE 7101	Part1 DE 7113	Part1 DE 7119	Part1 DE 7131	Part1 DE 7137	
State	Fully Defined											
	Definition											
Type	Cartesian											
Coordinate System	Program Controlled											
APDL Name												
Suppressed						No						
	Origin											
Define By		Global Coordinates										
Origin X	75.755 mm	5.6318e-013 mm	32.712 mm	4.797e-013 mm	38.712 mm	3.8563e-013 mm	41.136 mm	5.6788e-013 mm	-23.424 mm	4.9776e-013 mm	-9.7599 mm	
Origin Y	2.091e-013 mm	158.36 mm	6.1187e-014 mm	134.9 mm	7.5327e-014 mm	108.47 mm	8.5321e-014 mm	160. mm	-1.3652e-013 mm	140. mm	-9.6614e-014 mm	
Origin Z						-16. mm						
Location		Defined										
	Principal Axis											
Axis						X						
Define By						Fixed Vector						
	Orientation About Principal Axis											
Axis						Y						
Define By						Fixed Vector						
	Directional Vectors											
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	
Y Axis Data	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	
Z Axis Data						[0. 0. -1.]						
	Transfer Properties											
Source												
Read Only		No										
	Transformations											
Base Configuration		Absolute										
Transformed Configuration	[75.755 2.091e-013 - 16.]	[5.6318e-013 158.36 - 16.]	[32.712 6.1187e-014 - 16.]	[4.797e-013 134.9 - 16.]	[38.712 7.5327e-014 - 16.]	[3.8563e-013 108.47 - 16.]	[41.136 8.5321e-014 - 16.]	[5.6788e-013 160. - 16.]	[-23.424 -1.3652e-013 - 16.]	[4.9776e-013 013 140. - 16.]	[-9.7599 -9.6614e-014 - 16.]	

TABLE 46
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 7149	Part1 DE 7155	Part1 DE 7167	Part1 DE 7173	Part1 DE 7185	Part1 DE 7191	Part1 DE 7203	Part1 DE 7209	Part1 DE 7221	Part1 DE 7227	Part1 DE 7239
State	Fully Defined										
	Definition										

Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name	No										
Suppressed	Origin										
Define By	Global Coordinates										
Origin X	4.1212e-013 mm	1.556 mm	2.6881e-013 mm	25.954 mm	-2.623e-015 mm	79.989 mm	-2.7104e-013 mm	23.482 mm	-1.6007e-013 mm	-65.477 mm	1.6807e-013 mm
Origin Y	116. mm	-5.229e-014 mm	75.673 mm	3.4814e-014 mm	-1.2994 mm	2.2338e-013 mm	-76.476 mm	2.4493e-014 mm	-45.965 mm	-2.8445e-013 mm	48.068 mm
Origin Z	-16. mm										
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]
Y Axis Data	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]
Z Axis Data	[0. 0. -1.]										
Transfer Properties											
Source	No										
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[4.1212e-013 116. -16.]	[1.556 -5.229e-014 -16.]	[2.6881e-013 75.673 -16.]	[25.954 3.4814e-014 -16.]	[-2.623e-015 -1.2994 -16.]	[79.989 2.2338e-013 -16.]	[-2.7104e-013 -76.476 -16.]	[23.482 2.4493e-014 -16.]	[-1.6007e-013 -45.965 -16.]	[-65.477 -2.8445e-013 -16.]	[1.6807e-013 48.068 -16.]

TABLE 47
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 7245	Part1 DE 7273	Part1 DE 7307	Part1 DE 7313	Part1 DE 7325	Part1 DE 7331	Part1 DE 7343	Part1 DE 7349	Part1 DE 7361	Part1 DE 7367	Part1 DE 7379									
State	Fully Defined																			
Type	Definition																			
Coordinate System	Cartesian																			
APDL Name	Program Controlled																			
Suppressed	No																			
Define By	Origin																			
Origin X	Global Coordinates																			
Origin Y	-63.949 mm	-8.9792e-030 mm	-1.1117e-029 mm	0. mm	25.954 mm	2.6881e-013 mm	79.989 mm	-2.623e-015 mm	23.482 mm	-2.7104e-013 mm	-65.477 mm									
Origin Z	-2.8073e-013 mm	7.3321e-014 mm	-9.0779e-014 mm	9.0779e-014 mm	1.8238e-013 mm	75.673 mm	3.7008e-013 mm	-1.2994 mm	1.7206e-013 mm	-76.476 mm	-1.3689e-013 mm									
Location	-16. mm	21. mm	26. mm																	
Define By	Defined																			
Axis	Principal Axis																			
Define By	X																			
Axis	Fixed Vector																			
Define By	Orientation About Principal Axis																			
Axis	Y																			
Define By	Fixed Vector																			
Directional Vectors																				
X Axis Data	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-1. 0. 0.]									
Y Axis Data	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 1. 0.]									
Z Axis Data	[0. 0. -1.]																			
Transfer Properties																				
Source	No																			
Read Only	No																			
Define By	Transformations																			
Base Configuration	Absolute																			
	[-]	[-]	[-]	[-]	[-]	[-]	[-]	[-]	[-]	[-]	[-]									

Transformed Configuration	[-63.949 -2.8073e-013 -013 -16.]	8.9792e-030	1.1117e-029 -7.3321e-014 21.]	[0. 9.0779e-014 26.]	[25.954 1.8238e-013 26.]	[2.6881e-013 75.673 26.]	[79.989 3.7008e-013 26.]	[2.623e-015 -1.2994 26.]	[23.482 1.7206e-013 26.]	[2.7104e-013 -76.476 26.]	[-65.477 -1.3689e-013 26.]
---------------------------	-----------------------------------	-------------	-------------------------------	-----------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	----------------------------	-----------------------------

TABLE 48
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 7385	Part1 DE 7397	Part1 DE 7403	Part1 DE 7427	Part1 DE 7455	Part1 DE 7487	Part1 DE 7519	Part1 DE 7551	Part1 DE 7583	Part1 DE 7619	Part1 DE 7667						
State	Fully Defined																
Type	Definition																
Coordinate System	Cartesian																
APDL Name	Program Controlled																
Suppressed	No																
Define By	Origin																
Origin X	-1.6007e-013 mm	-63.949 mm	1.6807e-013 mm	0. mm	-63.949 mm	-65.477 mm	23.482 mm	79.989 mm	25.954 mm	-3.8569e-014 mm	-3.8837e-014 mm						
Origin Y	-45.965 mm	-1.3316e-013 mm	48.068 mm	8.3796e-014 mm	-1.3316e-013 mm	-1.3689e-013 mm	1.7206e-013 mm	3.7008e-013 mm	1.8238e-013 mm	4.2841e-014 mm	4.4019e-014 mm						
Origin Z	26. mm			24. mm	26. mm			8. mm									
Location	Defined																
Axis	Principal Axis																
Define By	X																
Axis	Fixed Vector																
Define By	Orientation About Principal Axis																
Axis	Y																
Define By	Fixed Vector																
Define By	Directional Vectors																
X Axis Data	[1. 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]			[-1. 0. 0.]			[-0.10846 0.9941 0.]	[-1.6142e-002 0.99987 0.]							
Y Axis Data	[0. -1. 0.]	[0. 1. 0.]	[0. -1. 0.]			[0. 1. 0.]			[0.9941 0.10846 0.]	[0.99987 1.6142e-002 0.]							
Z Axis Data	[0. 0. -1.]																
Source	Transfer Properties																
Read Only	No																
Base Configuration	Transformations																
Transformed Configuration	[-1.6007e-013 -45.965 26.]	[-63.949 -1.3316e-013 26.]	[1.6807e-013 48.068 26.]	[0. -8.3796e-014 24.]	[-63.949 -1.3316e-013 26.]	[-65.477 -1.3689e-013 26.]	[23.482 1.7206e-013 26.]	[79.989 3.7008e-013 26.]	[25.954 1.8238e-013 26.]	[-3.8569e-014 4.2841e-014 014 8.]	[-3.8837e-014 4.4019e-014 014 8.]						

TABLE 49
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 7699	Part1 DE 7709	Part1 DE 7715	Part1 DE 7721	Part1 DE 7739	Part1 DE 7755	Part1 DE 7773	Part1 DE 7951	Part1 DE 7987	Part1 DE 8019	Part1 DE 8025					
State	Fully Defined															
Type	Definition															
Coordinate System	Cartesian															
APDL Name	Program Controlled															
Suppressed	No															
Define By	Origin															
Origin X	1.0663e-012 mm	-57.583 mm	2.2691e-012 mm	3.8837e-014 mm	-53.923 mm	13.281 mm	23.394 mm	-1.9713e-014 mm	-1.9983e-014 mm	7.4782e-013 mm	1.9983e-014 mm					
Origin Y	160. mm	23.673 mm	140. mm	-4.4019e-014 mm	148.96 mm	100.88 mm	177.7 mm	4.8945e-014 mm	4.9598e-014 mm	134.9 mm	-4.9598e-014 mm					
Origin Z	-8. mm				-89.23 mm	11.747 mm	8. mm			-8. mm						
Location	Defined															
Axis	Principal Axis															

Define By	Fixed Vector															
Orientation About Principal Axis																
Axis	Y															
Define By	Fixed Vector															
Directional Vectors																
X Axis Data	[1. 0. 0.]	[-0.71085 0.70334 0.]	[1. 0. 0.]	[-1.6142e- 002 0.99987 0.]	[0.76828 0.64012 0.]	[-0.13053 -0.99144 0.]	[0. 0. -1. 1.]	[0.28022 0.95994 0.]	[0.32681 0.94509 0.]	[1. 0. 0.]	[0.32681 0.94509 0.]					
Y Axis Data	[0. -1. 0.]	[0.70334 0.71085 0.]	[0. -1. 0.]	[0.99987 1.6142e- 002 0.]	[0.64012 -0.76828 0.]	[0. 0. -1. 1.]	[0.13053 -0.99144 0.]	[0.95994 -0.28022 0.]	[0.94509 -0.32681 0.]	[0. -1. 0.]	[0.94509 -0.32681 0.]					
Z Axis Data	[0. 0. -1.]				[-0.99144 0.13053 0.]		[0. 0. -1.]									
Transfer Properties																
Source																
Read Only	No															
Transformations																
Base Configuration	Absolute															
Transformed Configuration	[1.0663e- 012 160. - 8.]	[-57.583 23.673 - 8.]	[2.2691e- 012 140. - 8.]	[3.8837e- 014 - 4.4019e- 014 -8.]	[-53.923 148.96 - 8.]	[13.281 100.88 - 89.23]	[23.394 177.7 11.747]	[-1.9713e- 014 4.8945e- 014 8.]	[-1.9983e- 014 4.9598e- 014 8.]	[7.4782e- 013 134.9 -8.]	[1.9983e- 014 - 4.9598e- 014 -8.]					

TABLE 50
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 8043	Part1 DE 8089	Part1 DE 8095	Part1 DE 8135	Part1 DE 8171	Part1 DE 8207	Part1 DE 8225	Part1 DE 8235	Part1 DE 8281	Part1 DE 8287	Part1 DE 8331								
State	Fully Defined																		
Type	Cartesian																		
Coordinate System	Program Controlled																		
APDL Name																			
Suppressed	No																		
Origin																			
Define By	Global Coordinates																		
Origin X	-49.597 mm	45.794 mm	29.323 mm	4.3931e- 017 mm	-1.7081e- 016 mm	126.85 mm	1.7081e- 016 mm	142. mm	98.255 mm	88.142 mm	1.7694e- 014 mm								
Origin Y	80.462 mm	170.9 mm	109.43 mm	4.7369e- 014 mm	4.7517e- 014 mm	-9.8739e- 013 mm	-4.7517e- 014 mm	31.102 mm	128.05 mm	114.87 mm	3.8353e- 014 mm								
Origin Z	-8. mm	23.294 mm	-86.933 mm	8. mm		-8. mm			54.789 mm	-71.402 mm	8. mm								
Location	Defined																		
Principal Axis																			
Axis	X																		
Define By	Fixed Vector																		
Orientation About Principal Axis																			
Axis	Y																		
Define By	Fixed Vector																		
Directional Vectors																			
X Axis Data	[0.44933 0.89337 0.]	[0. 0. -1. 1.]	[-0.25882 -0.96593 0.]	[0.62624 0.77963 0.]	[0.63118 0.77564 0.]	[-1.0. 0.]	[0.63118 0.77564 0.]	[-0.90845 -0.418 0.]	[0. 0. -1. 1.]	[-0.60876 -0.79335 0.]	[0.87692 0.48063 0.]								
Y Axis Data	[0.89337 -0.44933 0.]	[-0.25882 -0.96593 0.]	[0. 0. 1.]	[0.77963 - 0.62624 0.]	[0.77564 - 0.63118 0.]	[0. 1. 0.]	[0.77564 - 0.63118 0.]	[-0.418 0.90845 0.]	[-0.60876 -0.79335 0.]	[0. 0. 1.]	[0.48063 - 0.87692 0.]								
Z Axis Data	[0. 0. -1.]	[-0.96593 0.25882 0.]	[0. 0. -1.]				[-0.79335 0.60876 0.]				[0. 0. -1.]								
Transfer Properties																			
Source																			
Read Only	No																		
Transformations																			
Base Configuration	Absolute																		
Transformed Configuration	[-49.597 80.462 - 8.]	[45.794 170.9 23.294]	[29.323 109.43 - 86.933]	[4.3931e- 017 4.7369e- 014 8.]	[-1.7081e- 016 4.7517e- 014 8.]	[126.85 - 9.8739e- 013 -8.]	[1.7081e- 016 - 4.7517e- 014 -8.]	[142. 31.102 - 8.]	[98.255 128.05 54.789]	[88.142 114.87 - 71.402]	[1.7694e- 014 3.8353e- 014 8.]								

TABLE 51
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 8383	Part1 DE 8399	Part1 DE 8417	Part1 DE 8423	Part1 DE 8433	Part1 DE 8439	Part1 DE 8455	Part1 DE 8473	Part1 DE 8493	Part1 DE 8499	Part1 DE 8535					
State	Fully Defined															
Type	Definition															
Coordinate System	Cartesian															
APDL Name																
Suppressed	Program Controlled															
Origin																
Define By	Global Coordinates															
Origin X	1.376e-014 mm	3.0653e-013 mm	-1.7267e-014 mm	73.139 mm	136.25 mm	153.5 mm	170.9 mm	109.43 mm	116.91 mm	145.44 mm	2.7837e-014 mm					
Origin Y	3.7631e-014 mm	50.852 mm	-3.8707e-014 mm	-53.027 mm	80.169 mm	5.0949e-013 mm	45.794 mm	29.323 mm	67.5 mm	83.971 mm	2.6427e-014 mm					
Origin Z	8. mm	-8. mm				-23.294 mm	86.933 mm	77.942 mm	-45. mm	8. mm						
Location	Defined															
Principal Axis	X															
Axis	Fixed Vector															
Define By	Orientation About Principal Axis															
Axis	Y															
Define By	Fixed Vector															
Directional Vectors																
X Axis Data	[0.87996 0.47505 0.]	[1. 0. 0.]	[0.87996 0.47505 0.]	[-0.31093 0.95043 0.]	[-0.48566 -0.87415 0.]	[-1. 0. 0. 0.]	[-0.96593 -0.25882 0.]	[0. 0. -1.]	[-0.86603 -0.5 0.]	[0.9941 0.10846 0.]						
Y Axis Data	[0.47505 - 0.87996 0.]	[0. -1. 0.]	[0.47505 - 0.87996 0.]	[0.95043 0.31093 0.]	[-0.87415 0.48566 0.]	[0. 1. 0.]	[0. 0. 1.]	[0.96593 -0.25882 0.]	[-0.86603 -0.5 0.]	[0. 0. 1.]	[0.10846 - 0.9941 0.]					
Z Axis Data	[0. 0. -1.]					[-0.25882 0.96593 0.]			[-0.5 0.86603 0.]		[0. 0. -1.]					
Transfer Properties																
Source																
Read Only	No															
Transformations																
Base Configuration	Absolute															
Transformed Configuration	[1.376e-014 3.7631e-014 8.]	[3.0653e-013 50.852 - 8.]	[-1.7267e-014 - 3.8707e-014 -8.]	[73.139 - 53.027 - 8.]	[136.25 80.169 - 8.]	[153.5 5.0949e-013 - 8.]	[170.9 45.794 - 23.294]	[109.43 29.323 86.933]	[116.91 67.5 77.942]	[145.44 83.971 - 45.]	[2.7837e-014 2.6427e-014 8.]					

TABLE 52
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 8541	Part1 DE 8603	Part1 DE 8619	Part1 DE 8641	Part1 DE 8647	Part1 DE 8659	Part1 DE 8665	Part1 DE 8681	Part1 DE 8699	Part1 DE 8719	Part1 DE 8725									
State	Fully Defined																			
Type	Definition																			
Coordinate System	Cartesian																			
APDL Name																				
Suppressed	Program Controlled																			
Origin																				
Define By	Global Coordinates																			
Origin X	3.0468e-014 mm	2.5566e-014 mm	-1.3621e-013 mm	-2.9229e-014 mm	74.834 mm	161.64 mm	-4.8475e-014 mm	177.7 mm	77.583 mm	100.88 mm	177.7 mm									
Origin Y	2.4773e-014 mm	2.5238e-014 mm	-14.699 mm	-2.5049e-014 mm	-77.337 mm	5.3638e-013 mm	-4.7156 mm	-23.394 mm	-10.214 mm	13.281 mm	23.394 mm									
Origin Z	8. mm	-8. mm				11.747 mm			89.23 mm		-11.747 mm									
Location	Defined																			
Principal Axis	X																			
Axis	Fixed Vector																			
Define By	Orientation About Principal Axis																			
Axis	Y																			
Define By	Fixed Vector																			
Directional Vectors																				

X Axis Data	[1. 0. 0.]	[0.99477 0.10215 0.]	[1. 0. 0.]	[0.99477 0.10215 0.]	[3.2893e- 002 0.99946 0.]	[-1. 0. 0.]	[1. 0. 0.]	[- 0.99144 0.13053 0.]	[0. 0. -1.]	[- 0.99144 -0.13053 0.]	
Y Axis Data	[0. -1. 0.]	[0.10215 - 0.99477 0.]	[0. -1. 0.]	[0.10215 - 0.99477 0.]	[0.99946 - 3.2893e- 002 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 0. 1.]	[- 0.99144 0.13053 0.]	[0. 0. 1.]	
Z Axis Data	[0. 0. -1.]							[0.13053 0.99144 0.]	[-0.13053 0.99144 0.]		
Transfer Properties											
Source											
Read Only							No				
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[3.0468e- 014 2.4773e- 014 8.]	[2.5566e- 014 2.5238e- 014 8.]	[- 1.3621e- 013 - 14.699 - 8.]	[- 2.9229e- 014 - 2.5049e- 014 -8.]	[74.834 - 77.337 - 8.]	[161.64 5.3638e- 013 -8.]	[- 4.8475e- 014 - 4.7156 - 8.]	[177.7 - 23.394 11.747]	[77.583 -10.214 89.23]	[100.88 13.281 89.23]	[177.7 23.394 - 11.747]

TABLE 53
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 8761	Part1 DE 8829	Part1 DE 8847	Part1 DE 8853	Part1 DE 8865	Part1 DE 8871	Part1 DE 8887	Part1 DE 8905	Part1 DE 8925	Part1 DE 8931	Part1 DE 8967															
Fully Defined																										
Definition																										
Type																										
Coordinate System																										
Program Controlled																										
APDL Name																										
Suppressed																										
Origin																										
Define By																										
Global Coordinates																										
Origin X	3.6655e- 014 mm	-5.2098e- 013 mm	-3.1815e- 014 mm	68.112 mm	150.28 mm	-2.4018e- 013 mm	145.44 mm	38.971 mm	64.433 mm	170.9 mm	3.5079e- 014 mm															
Origin Y	4.412e-015 mm	-61.548 mm	-9.7164e- 015 mm	-100.76 mm	4.9738e- 013 mm	-59.714 mm	-83.971 mm	-22.5 mm	-17.265 mm	-45.794 mm	-1.5345e- 014 mm															
Origin Z	8. mm	-8. mm					45. mm	77.942 mm	86.933 mm	23.294 mm	8. mm															
Location	Defined																									
Principal Axis																										
Axis																										
X																										
Define By																										
Orientation About Principal Axis																										
Axis																										
Y																										
Define By																										
Directional Vectors																										
X Axis Data	[0.95994 - 0.28022 0.]	[1. 0. 0.]	[0.95814 - 0.28631 0.]	[0.37274 0.92793 0.]	[-1. 0. 0.]	[1. 0. 0.]	[- 0.86603 0.5 0.]	[0. 0. -1.]	[- 0.96593 0.25882 0.]	[0.77963 - 0.62624 0.]																
Y Axis Data	[-0.28022 -0.95994 0.]	[0. -1. 0.]	[-0.28631 -0.95814 0.]	[0.92793 -0.37274 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 0. 1.]	[- 0.86603 0.5 0.]	[- 0.96593 0.25882 0.]	[0. 0. 1.]	[-0.62624 - 0.77963 0.]															
Z Axis Data	[0. 0. -1.]						[0.5 0.86603 0.]	[0.25882 0.96593 0.]	[0. 0. -1.]																	
Transfer Properties																										
Source																										
Read Only	No																									
Transformations																										
Base Configuration	Absolute																									
Transformed Configuration	[3.6655e- 014 4.412e-015 8.]	[5.2098e- 013 - 61.548 - 8.]	[-3.1815e- 014 - 9.7164e- 015 -8.]	[68.112 - 100.76 - 8.]	[150.28 4.9738e- 013 -8.]	[- 2.4018e- 013 - 59.714 - 8.]	[145.44 -83.971 45.]	[38.971 -22.5 77.942]	[64.433 -17.265 86.933]	[170.9 - 45.794 23.294]	[3.5079e- 014 - 1.5345e- 014 8.]															

TABLE 54
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 9017	Part1 DE 9049	Part1 DE 9055	Part1 DE 9073	Part1 DE 9079	Part1 DE 9091	Part1 DE 9097	Part1 DE 9113	Part1 DE 9131	Part1 DE 9151	Part1 DE 9157
State	Fully Defined										
Definition											

Type	Cartesian															
Coordinate System	Program Controlled															
APDL Name	No															
Suppressed	Origin															
Define By	Global Coordinates															
Origin X	3.5092e-014 mm	-1.6144e-015 mm	-3.5092e-014 mm	-3.238e-014 mm	53.784 mm	120.79 mm	-4.0216e-013 mm	88.142 mm	11.322 mm	27.935 mm	128.05 mm					
Origin Y	-1.2648e-014 mm	-100.97 mm	1.2648e-014 mm	6.9278e-015 mm	-120.47 mm	3.9209e-013 mm	-107.51 mm	-114.87 mm	-14.755 mm	-21.435 mm	-98.255 mm					
Origin Z	8. mm	-8. mm						71.402 mm	54.789 mm	71.402 mm	54.789 mm					
Location	Defined															
Principal Axis																
Axis	X															
Define By	Fixed Vector															
Orientation About Principal Axis																
Axis	Y															
Define By	Fixed Vector															
Directional Vectors																
X Axis Data	[0.65507 - 0.75557 0.]	[1. 0. 0.]	[0.65507 - 0.75557 0.]	[0.77564 - 0.63118 0.]	[0.66764 0.74449 0.]	[-1. 0. 0.]	[1. 0. 0.]	[-0.60876 0.79335 0.]	[0. 0. -1.]	[-0.79335 0.60876 0.]						
Y Axis Data	[-0.75557 - 0.65507 0.]	[0. -1. 0.]	[-0.75557 -0.65507 0.]	[-0.63118 -0.77564 0.]	[0.74449 -0.66764 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 0. 1.]	[-0.60876 0.79335 0.]	[-0.79335 0.60876 0.]	[0. 0. 1.]					
Z Axis Data	[0. 0. -1.]							[0.79335 0.60876 0.]	[0.60876 0.79335 0.]							
Transfer Properties																
Source																
Read Only	No															
Transformations																
Base Configuration	Absolute															
Transformed Configuration	[3.5092e-014 - 1.6144e-015 - 100.97 - 8.]	[-1.6144e-014 - 1.2648e-014 8.]	[-3.5092e-014 1.2648e-014 -8.]	[-3.238e-014 6.9278e-015 -8.]	[53.784 -120.47 -8.]	[120.79 3.9209e-013 -8.]	[4.0216e-013 -107.51 -8.]	[88.142 -114.87 71.402]	[11.322 -14.755 54.789]	[27.935 -21.435 71.402]	[128.05 -98.255 54.789]					

TABLE 55
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 9189	Part1 DE 9241	Part1 DE 9273	Part1 DE 9283	Part1 DE 9289	Part1 DE 9295	Part1 DE 9301	Part1 DE 9319	Part1 DE 9335	Part1 DE 9353	Part1 DE 9403					
State	Fully Defined															
Type	Cartesian															
Coordinate System	Program Controlled															
APDL Name	No															
Suppressed	Origin															
Define By	Global Coordinates															
Origin X	2.6062e-014 mm	2.6119e-014 mm	76.735 mm	-2.8959e-014 mm	33.577 mm	6.4557e-014 mm	-2.6119e-014 mm	-41.857 mm	29.323 mm	0.79371 mm	1.0977e-014 mm					
Origin Y	-3.2995e-014 mm	-3.0941e-014 mm	4.147e-014 mm	2.6167e-014 mm	-134.1 mm	-128.22 mm	3.0941e-014 mm	-81.227 mm	-109.43 mm	-2.9622 mm	-4.5851e-014 mm					
Origin Z	8. mm	-8. mm							86.933 mm	23.294 mm	8. mm					
Location	Defined															
Principal Axis																
Axis	X															
Define By	Fixed Vector															
Orientation About Principal Axis																
Axis	Y															
Define By	Fixed Vector															
Directional Vectors																
X Axis Data	[0.48063 - 0.87692 0.]	[0.35714 - 0.93405 0.]	[-1. 0. 0.]	[0.47505 -0.87996 0.]	[0.882 0.47124 0.]	[1. 0. 0.]	[0.35714 -0.93405 0.]	[0.58035 -0.81437 0.]	[-0.25882 0.96593 0.]	[0. 0. -1.]	[0.10846 -0.9941 0.]					

Y Axis Data	[-0.87692 -0.48063 0.]	[-0.93405 -0.35714 0.]	[0. 1. 0.]	[-0.87996 -0.47505 0.]	[0.47124 -0.882 0.]	[0. -1.0.]	[-0.93405 -0.35714 0.]	[0.81437 - 0.58035 0.]	[0. 0. 1.]	[0.25882 0.96593 0.]	[-0.9941 - 0.10846 0.]
Z Axis Data						[0. 0. -1.]			[0.96593 0.25882 0.]		[0. 0. -1.]
Transfer Properties											
Source											
Read Only							No				
Transformations											
Base Configuration							Absolute				
Transformed Configuration	[2.6062e-014 - 3.2995e-014 8.]	[2.6119e-014 - 3.0941e-014 8.]	[76.735 4.147e-014 -8.]	[-2.8959e-014 2.6167e-014 -8.]	[33.577 - 134.1 -8.]	[6.4557e-014 - 128.22 -8.]	[-2.6119e-014 3.0941e-014 -8.]	[-41.857 -81.227 -8.]	[29.323 -109.43 86.933]	[0.79371 -2.9622 23.294]	[1.0977e-014 - 4.5851e-014 8.]

TABLE 56
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 9451	Part1 DE 9483	Part1 DE 9493	Part1 DE 9499	Part1 DE 9505	Part1 DE 9523	Part1 DE 9539	Part1 DE 9557	Part1 DE 9607	Part1 DE 9643	Part1 DE 9675
State											
Fully Defined											
Definition											
Type							Cartesian				
Coordinate System							Program Controlled				
APDL Name											
Suppressed							No				
Origin											
Define By							Global Coordinates				
Origin X	1.1085e-014 mm	23.424 mm	-47.823 mm	9.7599 mm	-1.1085e-014 mm	-30.499 mm	-10.214 mm	-0.1005 mm	-7.8787e-015 mm	-7.7232e-015 mm	-38.712 mm
Origin Y	-4.4467e-014 mm	3.3822e-014 mm	-116.33 mm	-7.1888e-014 mm	4.4467e-014 mm	-11.041 mm	-77.583 mm	-0.76338 mm	-5.1956e-014 mm	-5.1256e-014 mm	7.1055e-014 mm
Origin Z	8. mm			-8. mm			89.23 mm	-11.747 mm		8. mm	-8. mm
Location							Defined				
Principal Axis											
Axis							X				
Define By							Fixed Vector				
Orientation About Principal Axis											
Axis							Y				
Define By							Fixed Vector				
Directional Vectors											
X Axis Data	[1.6142e-002 - 0.99987 0.]	[-1. 0. 0.]	[0.71085 - -0.70334 0.]	[-1.0. 0.]	[1.6142e-002 - 0.99987 0.]	[-0.76828 - -0.64012 0.]	[0.13053 0.99144 0.]	[0. 0. -1.]	[-0.28022 - 0.95994 0.]	[-0.32681 - 0.94509 0.]	[-1. 0. 0.]
Y Axis Data	[-0.99987 - -1.6142e-002 0.]	[0. 1. 0.]	[-0.70334 - 0.71085 0.]	[0. 1. 0.]	[-0.99987 - -1.6142e-002 0.]	[-0.64012 0.76828 0.]	[0. 0. 1.]	[0.13053 0.99144 0.]	[-0.95994 0.28022 0.]	[-0.94509 0.32681 0.]	[0. 1. 0.]
Z Axis Data				[0. 0. -1.]				[0.99144 -0.13053 0.]			[0. 0. -1.]
Transfer Properties											
Source											
Read Only							No				
Transformations											
Base Configuration							Absolute				
Transformed Configuration	[1.1085e-014 - 4.4467e-014 8.]	[23.424 3.3822e-014 - -116.33 -8.]	[-47.823 7.1888e-014 - -11.041 -8.]	[9.7599 - -7.1888e-014 0.]	[-1.1085e-014 4.4467e-014 - -11.041 -8.]	[-30.499 - -77.583 89.23]	[-10.214 - -0.76338 - -11.747]	[-0.1005 - -5.1956e-014 - -5.1256e-014]	[-7.8787e-015 7.7232e-015 - -5.1956e-014 8.]	[-7.7232e-015 - -5.1256e-014 8.]	[-38.712 7.1055e-014 - -8. 8.]

TABLE 57
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 9681	Part1 DE 9699	Part1 DE 9745	Part1 DE 9751	Part1 DE 9791	Part1 DE 9827	Part1 DE 9863	Part1 DE 9881	Part1 DE 9891	Part1 DE 9937	Part1 DE 9943
State											
Fully Defined											
Definition											
Type							Cartesian				
Coordinate System							Program Controlled				

APDL Name																				
Suppressed	No																			
Define By	Origin																			
Origin X	7.7232e-015 mm	-88.308 mm	-0.79371 mm	-17.265 mm	-2.7636e-014 mm	-2.744e-014 mm	1.3152e-013 mm	2.744e-014 mm	15.153 mm	-11.322 mm	-21.435 mm									
Origin Y	5.1256e-014 mm	-54.433 mm	-2.9622 mm	-64.433 mm	-5.038e-014 mm	-5.0352e-014 mm	-100.29 mm	5.0352e-014 mm	-69.183 mm	-14.755 mm	-27.935 mm									
Origin Z	-8. mm		-23.294 mm	86.933 mm	8. mm		-8. mm		-54.789 mm	71.402 mm										
Location	Defined																			
Axis	Principal Axis																			
Define By	X																			
Axis	Orientation About Principal Axis																			
Define By	Y																			
Axis	Fixed Vector																			
Define By	Directional Vectors																			
X Axis Data	[-0.32681 -0.94509 0.]	[-0.44933 -0.89337 0.]	[0. 0. -1.]	[0.25882 0.96593 0.]	[-0.62624 -0.77963 0.]	[-0.63118 -0.77564 0.]	[1. 0. 0.]	[-0.63118 -0.77564 0.]	[0.90845 0.418 0.]	[0. 0. -1.]	[0.60876 0.79335 0.]									
Y Axis Data	[-0.94509 0.32681 0.]	[-0.89337 0.44933 0.]	[0.25882 0.96593 0.]	[0. 0. 1.]	[-0.77963 0.62624 0.]	[-0.77564 0.63118 0.]	[0. -1. 0.]	[-0.77564 0.63118 0.]	[0.418 -0.90845 0.]	[0.60876 0.79335 0.]	[0. 0. 1.]									
Z Axis Data	[0. 0. -1.]		[0.96593 -0.25882 0.]		[0. 0. -1.]				[0.79335 -0.60876 0.]											
Source	Transfer Properties																			
Read Only	No																			
Base Configuration	Transformations																			
Transformed Configuration	[7.7232e-015 5.1256e-014 -8.]	[-88.308 -54.433 -8.]	[-0.79371 -2.9622 -23.294]	[-17.265 -64.433 86.933]	[-2.7636e-014 -5.038e-014 8.]	[-2.744e-014 -5.0352e-014 8.]	[1.3152e-013 -100.29 -8.]	[2.744e-014 5.0352e-014 -8.]	[15.153 -69.183 -8.]	[-11.322 -14.755 -54.789]	[-21.435 -27.935 71.402]									

TABLE 58
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 9987	Part1 DE 10039	Part1 DE 10055	Part1 DE 10073	Part1 DE 10079	Part1 DE 10089	Part1 DE 10095	Part1 DE 10111	Part1 DE 10129	Part1 DE 10149	Part1 DE 10155						
State	Fully Defined																
Type	Definition																
Coordinate System	Cartesian																
APDL Name	Program Controlled																
Suppressed	No																
Define By	Origin																
Origin X	-4.5286e-014 mm	-4.1371e-014 mm	-153.5 mm	4.0897e-014 mm	-63.039 mm	-17.25 mm	-1.5686e-013 mm	-2.9622 mm	-64.433 mm	-38.971 mm	-10.442 mm						
Origin Y	-4.1363e-014 mm	-4.0466e-014 mm	-4.5277e-014 mm	4.0321e-014 mm	-86.949 mm	29.317 mm	-50.852 mm	-0.79371 mm	-17.265 mm	-22.5 mm	-6.0289 mm						
Origin Z	8. mm		-8. mm				23.294 mm		-86.933 mm	-77.942 mm	45. mm						
Location	Defined																
Axis	Principal Axis																
Define By	X																
Axis	Orientation About Principal Axis																
Define By	Y																
Axis	Fixed Vector																
Define By	Directional Vectors																
X Axis Data	[-0.87692 -0.48063 0.48063 0.]	[-0.87996 -0.47505 0.47505 0.]	[-1. 0. 0.]	[-0.87996 -0.47505 0.47505 0.]	[0.31093 -0.95043 0.95043 0.]	[0.48566 0.87415 0.87415 0.]	[1. 0. 0.]	[0.96593 0.25882 0.25882 0.]	[0. 0. -1.]	[0.86603 0.5 0.]							
Y Axis Data	[-0.48063 0.87692 0.87692 0.87996]	[0. 1. 0.]	[-0.47505 0.87996 0.87996 0.31093]	[-0.47505 0.87996 0.87996 0.31093]	[0.87415 -0.48566 -0.48566 0.]	[0. -1. 0.]	[0. 0. 1.]	[0.96593 0.25882 0.25882 0.]	[0.86603 0.5 0.]	[0. 0. 1.]							

	0.]	0.]			0.]						
Z Axis Data	[0. 0. -1.]						[0.25882 0.]	-0.96593	[0.5	-0.86603	0.]
Transfer Properties											
Source											
Read Only					No						
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-4.5286e-014 -4.1363e-014 8.]	[-4.1371e-014 -4.0466e-014 8.]	[-153.5 -4.5277e-014 8.]	[4.0897e-014 4.0321e-014 8.]	[-63.039 -86.949 -8.]	[-17.25 29.317 -8.]	[-1.5686e-013 -50.852 -8.]	[-2.9622 -0.79371 23.294]	[-64.433 -17.265 -86.933]	[-38.971 -22.5 -77.942]	[-10.442 -6.0289 45.]

TABLE 59
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 10191	Part1 DE 10197	Part1 DE 10259	Part1 DE 10275	Part1 DE 10297	Part1 DE 10303	Part1 DE 10315	Part1 DE 10321	Part1 DE 10337	Part1 DE 10355	Part1 DE 10375							
State	Fully Defined																	
Type	Definition																	
Coordinate System	Cartesian																	
APDL Name																		
Suppressed	No																	
Origin																		
Define By	Global Coordinates																	
Origin X	-5.5429e-014 mm	-5.8224e-014 mm	-5.3077e-014 mm	-139.57 mm	5.278e-014 mm	-64.734 mm	-161.64 mm	4.8475e-014 mm	-0.76338 mm	-100.88 mm	-77.583 mm							
Origin Y	-2.9437e-014 mm	-2.4773e-014 mm	-2.8078e-014 mm	8.4396e-014 mm	2.8093e-014 mm	-62.638 mm	-5.9259e-013 mm	4.7156 mm	0.1005 mm	13.281 mm	-10.214 mm							
Origin Z	8. mm			-8. mm					-11.747 mm	-89.23 mm								
Location	Defined																	
Principal Axis																		
Axis	X																	
Define By	Fixed Vector																	
Orientation About Principal Axis																		
Axis	Y																	
Define By	Fixed Vector																	
Directional Vectors																		
X Axis Data	[-0.9941 -0.10846 0.]	[-1. 0. 0.]	[-0.99477 -0.10215 0. 0.]	[-1. 0. 0.]	[-0.99477 -0.10215 0. 0.]	[-3.2893e-002 -0.99946 0. 0.]	[-1. 0. 0.]	[1. 0. 0.]	[0.99144 -0.13053 0.]	[0. 0. -1.]								
Y Axis Data	[-0.10846 0.9941 0.]	[0. 1. 0.]	[-0.10215 0.99477 0.]	[0. 1. 0.]	[-0.10215 0.99477 0.]	[-0.99946 3.2893e-002 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 0. 1.]	[0.99144 -0.13053 0.]	[0.99144 0.13053 0.]							
Z Axis Data	[0. 0. -1.]								[-0.13053 -0.99144 0.]	[0.13053 -0.99144 0.]								
Transfer Properties																		
Source																		
Read Only	No																	
Transformations																		
Base Configuration	Absolute																	
Transformed Configuration	[-5.5429e-014 -2.9437e-014 8.]	[-5.8224e-014 -2.4773e-014 8.]	[-5.3077e-014 -2.8078e-014 8.]	[-139.57 8.4396e-014 8.]	[5.278e-014 2.8093e-014 8.]	[-64.734 -62.638 -8.]	[-161.64 -5.9259e-013 8.]	[4.8475e-014 4.7156 -8.]	[-0.76338 0.1005 -11.747]	[-100.88 13.281 -89.23]	[-77.583 -10.214 -89.23]							

TABLE 60
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 10381	Part1 DE 10417	Part1 DE 10485	Part1 DE 10503	Part1 DE 10509	Part1 DE 10521	Part1 DE 10527	Part1 DE 10543	Part1 DE 10561	Part1 DE 10581	Part1 DE 10587
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name											
Suppressed	Program Controlled										

APDL Name																					
Suppressed	No																				
Define By	Origin																				
Origin X	-0.76338 mm	-6.4247e-014 mm	-126.12 mm	6.3076e-014 mm	-58.012 mm	-150.28 mm	2.4018e-013 mm	-10.442 mm	-116.91 mm	-109.43 mm	-2.9622 mm										
Origin Y	-0.1005 mm	-7.4224e-015 mm	2.0594e-013 mm	1.1005e-014 mm	-39.214 mm	-5.5359e-013 mm	59.714 mm	6.0289 mm	67.5 mm	29.323 mm	0.79371 mm										
Origin Z	11.747 mm	8. mm	-8. mm				-45. mm	-77.942 mm	-86.933 mm	-23.294 mm											
Location	Defined																				
Axis	Principal Axis																				
Define By	X																				
Axis	Orientation About Principal Axis																				
Define By	Y																				
Axis	Fixed Vector																				
Define By	Directional Vectors																				
X Axis Data	[0.99144 0.13053 0.]	[-0.95994 0.28022 0.]	[-1. 0. 0.]	[-0.95814 0.28631 0.]	[- 0.37274 - 0.92793 0.]	[-1. 0. 0.]	[1. 0. 0.]	[0.86603 -0.5 0.]	[0. 0. -1.]	[0.96593 -0.25882 0.]											
Y Axis Data	[0. 0. 1.]	[0.28022 0.95994 0.]	[0. 1. 0.]	[0.28631 0.95814 0.]	[- 0.92793 0.37274 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 0. 1.]	[0.86603 -0.5 0.]	[0. 0. 1.]											
Z Axis Data	[0.13053 -0.99144 0.]	[0. 0. -1.]				[-0.5 -0.86603 0.]			[-0.25882 -0.96593 0.]												
Source	Transfer Properties																				
Read Only	No																				
Base Configuration	Transformations																				
Transformed Configuration	[-0.76338 -0.1005 11.747]	[- 6.4247e-014 - 7.4224e-015 8.]	[-126.12 2.0594e-013 -8.]	[6.3076e-014 1.1005e-014 -8.]	[- 58.012 - 39.214 -8.]	[-150.28 -5.5359e-013 -8.]	[2.4018e-013 59.714 -8.]	[-10.442 6.0289 -45.]	[-116.91 67.5 - 77.942]	[-109.43 29.323 - 86.933]	[-2.9622 0.79371 - 23.294]										

TABLE 61
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 10623	Part1 DE 10673	Part1 DE 10705	Part1 DE 10711	Part1 DE 10729	Part1 DE 10735	Part1 DE 10747	Part1 DE 10753	Part1 DE 10769	Part1 DE 10787	Part1 DE 10807							
State	Fully Defined																	
Type	Definition																	
Coordinate System	Cartesian																	
APDL Name	Program Controlled																	
Suppressed	No																	
Define By	Origin																	
Origin X	-6.2671e-014 mm	-6.2777e-014 mm	-97.467 mm	6.2777e-014 mm	6.2966e-014 mm	-43.683 mm	-120.79 mm	4.0216e-013 mm	-21.435 mm	-98.255 mm	-114.87 mm							
Origin Y	1.2335e-014 mm	1.4621e-014 mm	5.8179e-013 mm	-1.4621e-014 mm	-6.8619e-015 mm	-19.502 mm	- 4.4831e-013 mm	107.51 mm	27.935 mm	128.05 mm	88.142 mm							
Origin Z	8. mm		-8. mm				-71.402 mm			-54.789 mm	-71.402 mm							
Location	Defined																	
Axis	Principal Axis																	
Define By	X																	
Axis	Orientation About Principal Axis																	
Define By	Y																	
Axis	Fixed Vector																	
Define By	Directional Vectors																	
X Axis Data	[-0.77963 0.62624 0.]	[-0.65507 0.75557 0.]	[-1. 0. 0.]	[-0.65507 0.75557 0.]	[-0.77564 0.63118 0.]	[- 0.66764 - 0.74449 0.]	[-1. 0. 0.]	[1. 0. 0.]	[0.60876 -0.79335 0.]	[0. 0. -1.]								

Y Axis Data	[0.62624 0.77963 0.]	[0.75557 0.65507 0.]	[0. 1. 0.]	[0.75557 0.65507 0.]	[0.63118 0.77564 0.]	[- 0.74449 0.66764 0.]	[0. 1. 0.]	[0. -1. 0.]	[0. 0. 1.]	[0.60876 -0.79335 0.]	[0.79335 -0.60876 0.]
Z Axis Data	[0. 0. -1.]								[- -0.79335 -0.60876 0.]	[- 0.60876 -0.79335 0.]	
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[- 6.2671e- 014 1.2335e- 014 8.]	[- 6.2777e- 014 1.4621e- 014 8.]	[-97.467 5.8179e- 013 -8.]	[6.2777e- 014 - 1.4621e- 014 -8.]	[6.2966e- 014 - 6.8619e- 015 -8.]	[- 43.683 - 19.502 - 8.]	[-120.79 - 4.4831e- 013 -8.]	[4.0216e- 013 107.51 - 8.]	[-21.435 27.935 - 71.402]	[-98.255 128.05 - 54.789]	[-114.87 88.142 - 71.402]

TABLE 62
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 10813	Part1 DE 10845	Part1 DE 10897	Part1 DE 10929	Part1 DE 10939	Part1 DE 10945	Part1 DE 10951	Part1 DE 10957	Part1 DE 10975	Part1 DE 10991	Part1 DE 11009										
State	Fully Defined																				
Definition																					
Type	Cartesian																				
Coordinate System	Program Controlled																				
APDL Name																					
Suppressed	No																				
Origin																					
Define By	Global Coordinates																				
Origin X	-14.755 mm	-5.3654e- 014 mm	-5.3864e- 014 mm	9.4972e- 013 mm	5.4767e- 014 mm	-23.477 mm	-57.054 mm	5.3864e- 014 mm	-118.59 mm	-17.265 mm	-45.794 mm										
Origin Y	11.322 mm	2.9985e- 014 mm	3.1704e- 014 mm	142.34 mm	-1.9801e- 014 mm	-5.8785 mm	2.7521e- 013 mm	-3.1704e- 014 mm	61.112 mm	64.433 mm	170.9 mm										
Origin Z	-54.789 mm	8. mm		-8. mm						-86.933 mm	-23.294 mm										
Location	Defined																				
Principal Axis																					
Axis	X																				
Define By	Fixed Vector																				
Orientation About Principal Axis																					
Axis	Y																				
Define By	Fixed Vector																				
Directional Vectors																					
X Axis Data	[0.79335 -0.60876 0.]	[-0.48063 0.87692 0.]	[-0.35714 0.93405 0.]	[1. 0. 0.]	[-0.47505 0.87996 0.]	[-0.882 - 0.47124 0.]	[-1. 0. 0.]	[-0.35714 0.93405 0.]	[- 0.58035 0.81437 0.]	[0.25882 -0.96593 0.]	[0. 0. - 1.]										
Y Axis Data	[0. 0. 1.]	[0.87692 0.48063 0.]	[0.93405 0.35714 0.]	[0. -1. 0.]	[0.87996 0.47505 0.]	[- 0.47124 0.882 0.]	[0. 1. 0.]	[0.93405 0.35714 0.]	[0.81437 0.58035 0.]	[0. 0. 1.]	[0.25882 -0.96593 0.]										
Z Axis Data	[- 0.60876 - 0.79335 0.]	[0. 0. -1.]								[-0.96593 -0.25882 0.]											
Transfer Properties																					
Source																					
Read Only	No																				
Transformations																					
Base Configuration	Absolute																				
Transformed Configuration	[-14.755 11.322 - 54.789]	[5.3654e- 014 2.9985e- 014 8.]	[5.3864e- 014 3.1704e- 014 8.]	[9.4972e- 013 142.34 - 8.]	[5.4767e- 014 - 1.9801e- 014 -8.]	[-23.477 - 5.8785 - 8.]	[-57.054 - 2.7521e- 013 -8.]	[5.3864e- 014 - 3.1704e- 014 -8.]	[-118.59 61.112 - 8.]	[-17.265 64.433 - 86.933]	[-45.794 170.9 - 23.294]										

TABLE 63
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 12991	Part1 DE 13023	Part1 DE 13059	Part1 DE 13085	Part1 DE 13117	Part1 DE 13149	Part1 DE 13175	Part1 DE 13207	Part1 DE 13239	Part1 DE 13271	Part1 DE 13335
State	Fully Defined										

Definition																			
Type	Cartesian																		
Coordinate System	Program Controlled																		
APDL Name																			
Suppressed	No																		
Origin																			
Define By	Global Coordinates																		
Origin X	1.556 mm	-9.7599 mm	-23.424 mm	-53.923 mm	41.136 mm	38.712 mm	-49.597 mm	32.712 mm	75.755 mm	82.514 mm	84.902 mm								
Origin Y	6.0143e-014 mm	1.5819e-014 mm	-2.4086e-014 mm	148.96 mm	1.9775e-013 mm	1.8776e-013 mm	80.462 mm	1.7362e-013 mm	3.2153e-013 mm	3.4097e-013 mm	3.5765e-013 mm								
Origin Z	16. mm			-8. mm			16. mm			-8. mm									
Location	Defined																		
Principal Axis																			
Axis	X																		
Define By	Fixed Vector																		
Orientation About Principal Axis																			
Axis	Y																		
Define By	Fixed Vector																		
Directional Vectors																			
X Axis Data	[-1. 0. 0.]			[0.76828 0.64012 0.]	[-1. 0. 0.]			[0.44933 0.89337 0.]	[-1. 0. 0.]										
Y Axis Data	[0. 1. 0.]			[0.64012 -0.76828 0.]	[0. 1. 0.]			[0.89337 -0.44933 0.]	[0. 1. 0.]										
Z Axis Data	[0. 0. -1.]																		
Transfer Properties																			
Source																			
Read Only	No																		
Transformations																			
Base Configuration	Absolute																		
Transformed Configuration	[1.556 6.0143e-014]	[-9.7599 1.5819e-014]	[-23.424 -2.4086e-014]	[-53.923 148.96]	[41.136 1.9775e-013]	[38.712 1.8776e-013]	[-49.597 80.462]	[32.712 1.7362e-013]	[75.755 3.2153e-013]	[82.514 3.4097e-013]	[84.902 3.5765e-013]								

TABLE 64
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 13367	Part1 DE 13399	Part1 DE 13431	Part1 DE 13457	Part1 DE 13489	Part1 DE 13521	Part1 DE 13565	Part1 DE 13585	Part1 DE 13617	Part1 DE 13649	Part1 DE 13681								
State	Fully Defined																		
Definition																			
Type	Cartesian																		
Coordinate System	Program Controlled																		
APDL Name																			
Suppressed	No																		
Origin																			
Define By	Global Coordinates																		
Origin X	101.24 mm	116.36 mm	126.85 mm			114.51 mm	136.18 mm	73.139 mm	153.5 mm										
Origin Y	4.0927e-013 mm	4.5938e-013 mm	-9.8739e-013 mm	4.9793e-013 mm	4.5683e-013 mm	5.3183e-013 mm	-53.027 mm	5.0949e-013 mm	5.9382e-013 mm	4.548e-013 mm	5.4336e-013 mm								
Origin Z	16. mm			-8. mm			16. mm			-8. mm									
Location	Defined																		
Principal Axis																			
Axis	X																		
Define By	Fixed Vector																		
Orientation About Principal Axis																			
Axis	Y																		
Define By	Fixed Vector																		
Directional Vectors																			
X Axis Data	[-1. 0. 0.]						[-0.31093 0.95043 0.]	[-1. 0. 0.]											
Y Axis Data	[0. 1. 0.]						[0.95043 0.31093 0.]	[0. 1. 0.]											
Z Axis Data	[0. 0. -1.]																		
Transfer Properties																			
Source																			
Read Only	No																		

Transformations																							
Base Configuration	Absolute																						
Transformed Configuration	[101.24 4.0927e- 013 16.] [116.36 4.5938e- 013 16.] [126.85 - 9.8739e- 013 8.] [126.85 4.9793e- 013 16.] [114.51 4.5683e- 013 16.] [136.18 5.3183e- 013 16.] [73.139 - 53.027 - 8.] [153.5 5.0949e- 013 8.] [153.5 5.9382e- 013 16.] [113.97 4.548e- 013 16.] [139.57 5.4336e- 013 16.]																						
TABLE 65 Model (A4, B4) > Coordinate Systems > Coordinate System																							
Object Name	Part1 DE 13699	Part1 DE 13731	Part1 DE 13763	Part1 DE 13795	Part1 DE 13827	Part1 DE 13845	Part1 DE 13877	Part1 DE 13909	Part1 DE 13941	Part1 DE 13973	Part1 DE 13991												
State	Fully Defined																						
Type	Definition																						
Coordinate System	Cartesian																						
APDL Name	Program Controlled																						
Suppressed	No																						
Define By	Origin																						
Origin X	74.834 mm	161.64 mm		99.681 mm	126.12 mm	68.112 mm	150.28 mm		73.371 mm	97.467 mm	53.784 mm												
Origin Y	-77.337 mm	5.3638e- 013 mm	6.2027e- 013 mm	4.0534e- 013 mm	4.9631e- 013 mm	-100.76 mm	4.9738e- 013 mm	5.817e- 013 mm	3.1183e- 013 mm	3.9682e- 013 mm	-120.47 mm												
Origin Z	-8. mm		16. mm		-8. mm		16. mm		-8. mm		-8. mm												
Location	Defined																						
Principal Axis																							
Axis	X																						
Define By	Fixed Vector																						
Orientation About Principal Axis																							
Axis	Y																						
Define By	Fixed Vector																						
Directional Vectors																							
X Axis Data	[3.2893e- 002 0.99946 0.]	[-1. 0. 0.]			[0.37274 0.92793 0.]	[-1. 0. 0.]			[0.66764 0.74449 0.]														
Y Axis Data	[0.99946 - 3.2893e- 002 0.]	[0. 1. 0.]			[0.92793 -0.37274 0.]	[0. 1. 0.]			[0.74449 -0.66764 0.]														
Z Axis Data	[0. 0. -1.]																						
Transfer Properties																							
Source																							
Read Only	No																						
Transformations																							
Base Configuration	Absolute																						
Transformed Configuration	[74.834 - 77.337 - 8.]	[161.64 5.3638e- 013 -8.]	[161.64 6.2027e- 013 16.]	[99.681 4.0534e- 013 16.]	[126.12 4.9631e- 013 16.]	[68.112 - 100.76 - 8.]	[150.28 4.9738e- 013 -8.]	[150.28 5.817e- 013 16.]	[73.371 3.1183e- 013 16.]	[97.467 3.9682e- 013 16.]	[53.784 - 120.47 - 8.]												

TABLE 66
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 14023	Part1 DE 14055	Part1 DE 14087	Part1 DE 14119	Part1 DE 14137	Part1 DE 14169	Part1 DE 14195	Part1 DE 14227	Part1 DE 14259	Part1 DE 14277	Part1 DE 14325						
State	Fully Defined																
Definition																	
Type	Cartesian																
Coordinate System	Program Controlled																
APDL Name																	
Suppressed	No																
Define By	Origin																
Origin X	Global Coordinates																
Origin Y	120.79 mm	38.212 mm	57.054 mm	33.577 mm	76.735 mm		-1.556 mm	9.7599 mm		23.424 mm							
Origin Z	3.9209e- 013 mm	4.7641e- 013 mm	1.9121e- 013 mm	2.6033e- 013 mm	-134.1 mm	4.1474e- 014 mm	3.2837e- 013 mm	5.229e- 014 mm	-7.1888e- 014 mm	9.6614e- 014 mm	3.3822e- 014 mm						
Location	-8. mm	16. mm		-8. mm		16. mm		-8. mm	16. mm	-8. mm							
Defined																	
Principal Axis																	
Axis	X																
Define By	Fixed Vector																

Orientation About Principal Axis																		
Axis	Y																	
Define By	Fixed Vector																	
Directional Vectors																		
X Axis Data	[-1. 0. 0.]			[0.882 0.47124 0.1]	[-1. 0. 0.]													
Y Axis Data	[0. 1. 0.]			[0.47124 -0.882 0.1]	[0. 1. 0.]													
Z Axis Data	[0. 0. -1.]																	
Transfer Properties																		
Source																		
Read Only	No																	
Transformations																		
Base Configuration	Absolute																	
Transformed Configuration	[120.79 3.9209e- 013 -8.]	[120.79 4.7641e- 013 16.]	[38.212 1.9121e- 013 16.]	[57.054 2.6033e- 013 16.]	[33.577 - 134.1 -8.]	[76.735 4.147e- 014 -8.]	[76.735 3.2837e- 013 16.]	[-1.556 5.229e- 014 16.]	[9.7599 - 7.1888e- 014 -8.]	[9.7599 9.6614e- 014 16.]	[23.424 3.3822e- 014 -8.]							

TABLE 67
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 14351	Part1 DE 14383	Part1 DE 14415	Part1 DE 14433	Part1 DE 14465	Part1 DE 14497	Part1 DE 14545	Part1 DE 14577	Part1 DE 14625	Part1 DE 14657	Part1 DE 14689								
State	Fully Defined																		
Definition																			
Type	Cartesian																		
Coordinate System	Program Controlled																		
APDL Name																			
Suppressed	No																		
Origin																			
Define By	Global Coordinates																		
Origin X	23.424 mm	-41.136 mm	-38.712 mm		-32.712 mm	-75.755 mm	-82.514 mm	-84.902 mm	-101.24 mm	-116.36 mm	-126.85 mm								
Origin Y	1.3652e-013 mm	-8.5321e-014 mm	7.1055e-014 mm	-7.5327e-014 mm	-6.1187e-014 mm	-2.091e-013 mm	-2.2854e-013 mm	-2.4522e-013 mm	-2.9683e-013 mm	-3.4695e-013 mm	-3.855e-013 mm								
Origin Z	16. mm		-8. mm	16. mm															
Location	Defined																		
Principal Axis																			
Axis	X																		
Define By	Fixed Vector																		
Orientation About Principal Axis																			
Axis	Y																		
Define By	Fixed Vector																		
Directional Vectors																			
X Axis Data	[-1. 0. 0.]																		
Y Axis Data	[0. 1. 0.]																		
Z Axis Data	[0. 0. -1.]																		
Transfer Properties																			
Source																			
Read Only	No																		
Transformations																			
Base Configuration	Absolute																		
Transformed Configuration	[23.424 1.3652e- 013 16.]	[-41.136 - 8.5321e- 014 -8.]	[-38.712 7.1055e- 014 -8.]	[-38.712 - 7.5327e- 014 16.]	[-32.712 - 6.1187e- 014 16.]	[-75.755 -2.091e- 013 16.]	[-82.514 - 2.2854e- 013 16.]	[-84.902 - 2.4522e- 013 16.]	[-101.24 - 2.9683e- 013 16.]	[-116.36 - 3.4695e- 013 16.]	[-126.85 - 3.855e- 013 16.]								

TABLE 68
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 14715	Part1 DE 14747	Part1 DE 14779	Part1 DE 14811	Part1 DE 14851	Part1 DE 14861	Part1 DE 14893	Part1 DE 14925	Part1 DE 14951	Part1 DE 14983	Part1 DE 15015
State	Fully Defined										
Definition											
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
	15.153	-114.51	-136.18				-17.25	-113.97			

Origin X	mm	mm	mm	-153.5 mm	mm	mm	-139.57 mm	-161.64 mm						
Origin Y	-69.183 mm	-3.444e-013 mm	-4.194e-013 mm	-4.8139e-013 mm	-4.5277e-014 mm	29.317 mm	-3.4236e-013 mm	8.4396e-014 mm						
Origin Z	-8. mm		16. mm		-8. mm	16. mm	-8. mm	16. mm						
Location	Defined													
Principal Axis														
Axis	X													
Define By	Fixed Vector													
Orientation About Principal Axis														
Axis	Y													
Define By	Fixed Vector													
Directional Vectors														
X Axis Data	[0.90845 0.418 0.]	[-1. 0. 0.]			[0.48566 0.87415 0.]	[-1. 0. 0.]								
Y Axis Data	[0.418 - 0.90845 0.]	[0. 1. 0.]			[0.87415 -0.48566 0.]	[0. 1. 0.]								
Z Axis Data	[0. 0. -1.]													
Transfer Properties														
Source														
Read Only	No													
Transformations														
Base Configuration	Absolute													
Transformed Configuration	[15.153 - -69.183 - 8.]	[-114.51 -3.444e-013 16.]	[-136.18 -4.194e-013 16.]	[-153.5 - 4.8139e-013 16.]	[-153.5 - 4.5277e-014 -8.]	[-17.25 29.317 - 8.]	[-113.97 - -3.4236e-013 16.]	[-139.57 - 8.4396e-014 -8.]	[-139.57 - 4.3092e-013 16.]	[-161.64 - 5.9259e-013 -8.]	[-161.64 - -5.087e-013 16.]			

TABLE 69
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 15047	Part1 DE 15079	Part1 DE 15105	Part1 DE 15137	Part1 DE 15169	Part1 DE 15201	Part1 DE 15233	Part1 DE 15251	Part1 DE 15283	Part1 DE 15315	Part1 DE 15347
State	Fully Defined										
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	-99.681 mm	-126.12 mm		-150.28 mm		-73.371 mm	-97.467 mm		-120.79 mm		-38.212 mm
Origin Y	-2.9291e-013 mm	2.0594e-013 mm	-3.8388e-013 mm	-5.5359e-013 mm	-4.6927e-013 mm	-1.9939e-013 mm	5.8179e-013 mm	-2.8438e-013 mm	-4.4831e-013 mm	-3.6398e-014 mm	-7.8779e-014 mm
Origin Z	16. mm	-8. mm	16. mm	-8. mm		16. mm	-8. mm	16. mm	-8. mm		16. mm
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-1. 0. 0.]										
Y Axis Data	[0. 1. 0.]										
Z Axis Data	[0. 0. -1.]										
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-99.681 -2.9291e-013 013 16.]	[-126.12 2.0594e-013 013 16.]	[-126.12 -3.8388e-013 013 16.]	[-150.28 -5.5359e-013 013 -8.]	[-150.28 -4.6927e-013 013 16.]	[-73.371 -1.9939e-013 013 16.]	[-97.467 5.8179e-013 013 -8.]	[-97.467 -2.8438e-013 013 16.]	[-120.79 -4.4831e-013 013 -8.]	[-120.79 -3.6398e-013 013 16.]	[-38.212 -7.8779e-014 014 16.]

TABLE 70
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 15379	Part1 DE 15397	Part1 DE 15429	Part1 DE 15455	Part1 DE 15483	Part1 DE 15489	Part1 DE 15495	Part1 DE 15515	Part1 DE 15521	Part1 DE 15527	Part1 DE 15547
State	Fully Defined										
Definition											

Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name	No										
Suppressed	Origin										
Define By	Global Coordinates										
Origin X	-57.054 mm	-76.735 mm	-118.59 mm	-17.265 mm	2.2345e-014 mm	-23.394 mm	-10.442 mm	5.5308e-014 mm	-114.87 mm	-21.435 mm	
Origin Y	2.7521e-013 mm	-1.479e-013 mm	-2.1594e-013 mm	61.112 mm	64.433 mm	-1.6964e-014 mm	177.7 mm	6.0289 mm	-2.3103e-014 mm	88.142 mm	27.935 mm
Origin Z	-8. mm	16. mm	-8. mm	86.933 mm	-4. mm	-11.747 mm	45. mm	-4. mm	-71.402 mm	71.402 mm	
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-1. 0. 0.]			[-0.58035 0.81437 0.]	[0.25882 -0.96593 0.]	[-0.25882 0.96593 0.]	[0. 0. -1. -1.]	[0.86603 -0.50. 0.]	[-0.86603 0.50. 0.]	[0. 0. -1. -1.]	[0.60876 -0.79335 0.]
Y Axis Data	[0. 1. 0.]			[0.81437 0.58035 0.]	[0. 0. -1. -1.]	[0.96593 0.25882 0.]	[0.13053 -0.99144 0.]	[0. 0. -1. -1.]	[0.5 0.86603 0.]	[0.79335 -0.60876 0.]	[0. 0. -1. -1.]
Z Axis Data	[0. 0. -1.]				[0.96593 0.25882 0.]	[0. 0. -1. -1.]	[-0.99144 -0.13053 0.]	[0.5 0.86603 0.]	[0. 0. -1. -1.]	[-0.60876 -0.79335 0.]	[0.79335 0.60876 0.]
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-57.054 2.7521e-013 -8. -013]	[-57.054 -1.479e-013 -2.1594e-013 16. 16.]	[-76.735 61.112 -8. -8.]	[-118.59 64.433 86.933]	[-17.265 1.6964e-014 -4. -4.]	[2.2345e-014 -177.7 -11.747]	[-23.394 6.0289 45.]	[-10.442 -2.3103e-014 -4. -4.]	[5.5308e-014 -88.142 -71.402]	[-114.87 27.935 71.402]	[-21.435 27.935 71.402]

TABLE 71
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 15553	Part1 DE 15559	Part1 DE 15579	Part1 DE 15585	Part1 DE 15591	Part1 DE 15611	Part1 DE 15617	Part1 DE 15623	Part1 DE 15643	Part1 DE 15649	Part1 DE 15655
State	Fully Defined										
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name	No										
Suppressed	Origin										
Define By	Global Coordinates										
Origin X	1.4696e-013 mm	-83.971 mm	-0.76338 mm	1.1707e-014 mm	-109.43 mm	-2.9622 mm	-5.4152e-015 mm	-77.583 mm	-14.755 mm	1.9643e-013 mm	-38.971 mm
Origin Y	-2.1979e-013 mm	145.44 mm	0.1005 mm	1.1505e-014 mm	29.323 mm	-0.79371 mm	1.3374e-014 mm	-10.214 mm	-11.322 mm	1.3054e-013 mm	-22.5 mm
Origin Z	-4. mm	-45. mm	11.747 mm	-4. mm	-86.933 mm	-23.294 mm	-4. mm	-89.23 mm	-54.789 mm	-4. mm	-77.942 mm
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[-0.60876 0.79335 0.]	[0. 0. -1. -1.]	[0.99144 -0.13053 0.]	[-0.99144 0.13053 0.]	[0. 0. -1. -1.]	[0.96593 0.25882 0.]	[-0.96593 -0.25882 0.]	[0. 0. -1. -1.]	[0.79335 0.60876 0.]	[-0.79335 -0.60876 0.]	[0. 0. -1. -1.]

Y Axis Data	[0.79335 0.60876 0.]	[0.5 - 0.86603 0.]	[0.0 - 1.]	[0.13053 0.99144 0.]	[0.96593 -0.25882 0.]	[0.0 - 1.]	[- 0.25882 0.96593 0.]	[0.99144 0.13053 0.]	[0.0 - 1.]	[-0.60876 0.79335 0.]	[0.86603 0.5 0.]
Z Axis Data	[0.0 -1.]	[- 0.86603 -0.5 0.]	[0.13053 0.99144 0.]	[0.0 -1.]	[- 0.25882 - 0.96593 0.]	[- 0.25882 0.96593 0.]	[0.0 - 1.]	[0.13053 -0.99144 0.]	[- 0.60876 0.79335 0.]	[0.0 -1.]	[0.5 - 0.86603 0.]
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[1.4696e-013 - 2.1979e-013 -4.]	[- 83.971 145.44 - 45.]	[- 0.76338 0.1005 11.747]	[1.1707e-014 1.1505e-014 -4.]	[-109.43 29.323 - 86.933]	[- -2.9622 -0.79371 -23.294]	[- 5.4152e-015 1.3374e-014 -4.]	[- -77.583 -10.214 - 89.23]	[- -14.755 -11.322 - 54.789]	[1.9643e-013 1.3054e-013 -4.]	[-38.971 -22.5 - 77.942]

TABLE 72
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 15675	Part1 DE 15681	Part1 DE 15687	Part1 DE 15707	Part1 DE 15713	Part1 DE 15719	Part1 DE 15739	Part1 DE 15745	Part1 DE 15751	Part1 DE 15771	Part1 DE 15777
State	Fully Defined										
Type	Definition										
Coordinate System	Cartesian										
APDL Name											
Suppressed	Program Controlled										
Define By	No										
Origin X	-22.5 mm	4.3248e-015 mm	-11.322 mm	-10.214 mm	-2.2839e-014 mm	-0.79371 mm	29.323 mm	-1.8753e-014 mm	0.1005 mm	145.44 mm	-4.1912e-014 mm
Origin Y	-38.971 mm	3.294e-014 mm	-14.755 mm	-77.583 mm	-1.1634e-014 mm	-2.9622 mm	-109.43 mm	-2.4202e-014 mm	-0.76338 mm	-83.971 mm	-1.0535e-015 mm
Origin Z	-77.942 mm	-4. mm	-54.789 mm	-89.23 mm	-4. mm	-23.294 mm	-86.933 mm	-4. mm	11.747 mm	-45. mm	-4. mm
Location	Defined										
Axis	Principal Axis										
Define By	X										
Orientation About Principal Axis	Fixed Vector										
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[0.5 0.86603 0.]	[-0.5 - 0.86603 0.]	[0.0 -1.]	[0.13053 0.99144 0.]	[-0.13053 -0.99144 0.]	[0.0 -1.]	[- 0.25882 0.96593 0.]	[0.25882 -0.96593 0.]	[0.0 -1.]	[- 0.86603 0.5 0.]	[0.86603 -0.5 0.]
Y Axis Data	[0.0 - 1.]	[- -0.86603 0.5 0.]	[0.60876 0.79335 0.]	[0.0 -1.]	[- -0.99144 0.13053 0.]	[0.25882 0.96593 0.]	[0.0 - -0.96593 -0.25882 0.]	[- -0.96593 -0.25882 0.]	[- -0.13053 0.99144 0.]	[0.0 - 1.]	[- -0.5 - 0.86603 0.]
Z Axis Data	[- 0.86603 0.5 0.]	[0.0 -1.]	[0.79335 -0.60876 0.]	[- -0.99144 0.13053 0.]	[0.0 -1.]	[0.96593 -0.25882 0.]	[- 0.96593 -0.25882 0.]	[0.0 -1.]	[0.99144 0.13053 0.]	[- -0.5 - 0.86603 0.]	[0.0 -1.]
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-22.5 - 38.971 - 77.942]	[4.3248e-015 3.294e-014 - 45.]	[-11.322 - 14.755 - 54.789]	[-10.214 - -77.583 - 89.23]	[- 2.2839e-014 - 1.1634e-014 - 1.1634e-014 - 45.]	[-0.79371 - -2.9622 - -23.294]	[29.323 - -109.43 - -86.933]	[1.8753e-014 - 2.4202e-014 - 0.14 - -45.]	[0.1005 - 0.76338 - 11.747]	[145.44 - -83.971 - -45.]	[4.1912e-014 - 1.0535e-015 - 0.15 - -4.]

TABLE 73
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 15783	Part1 DE 15803	Part1 DE 15809	Part1 DE 15815	Part1 DE 15835	Part1 DE 15841	Part1 DE 15847	Part1 DE 15867	Part1 DE 15873	Part1 DE 15879	Part1 DE 15899
State	Fully Defined										

Definition											
Type	Cartesian										
Coordinate System	Program Controlled										
APDL Name											
Suppressed	No										
Origin											
Define By	Global Coordinates										
Origin X	27.935 mm	88.142 mm	-1.3493e-013 mm	6.0289 mm	177.7 mm	-4.781e-015 mm	64.433 mm	170.9 mm	1.8225e-015 mm	100.88 mm	128.05 mm
Origin Y	-21.435 mm	-114.87 mm	1.8508e-013 mm	-10.442 mm	-23.394 mm	-2.7239e-014 mm	-17.265 mm	45.794 mm	-2.7724e-014 mm	13.281 mm	98.255 mm
Origin Z	71.402 mm	-71.402 mm	-4. mm	45. mm	-11.747 mm	-4. mm	86.933 mm	23.294 mm	-4. mm	89.23 mm	54.789 mm
Location	Defined										
Principal Axis											
Axis	X										
Define By	Fixed Vector										
Orientation About Principal Axis											
Axis	Y										
Define By	Fixed Vector										
Directional Vectors											
X Axis Data	[0. 0. -1.]	[-0.60876 0.79335 0.]	[0.60876 -0.79335 0.]	[0. 0. -1.]	[-0.99144 0.13053 0.]	[0.99144 -0.13053 0.]	[0. 0. -1.]	[-0.96593 -0.25882 0.]	[0.96593 0.25882 0.]	[0. 0. -1.]	[-0.79335 -0.60876 0.]
Y Axis Data	[-0.79335 0.60876 0.]	[0. 0. -1.]	[-0.79335 -0.60876 0.]	[-0.5 0.86603 0.]	[0. 0. -1.]	[-0.13053 -0.99144 0.]	[-0.96593 0.25882 0.]	[0. 0. -1.]	[0.25882 -0.96593 0.]	[-0.99144 -0.13053 0.]	[0. 0. -1.]
Z Axis Data	[0.60876 0.79335 0.]	[-0.79335 -0.60876 0.]	[0. 0. -1.]	[0.86603 0.50.]	[0.13053 -0.99144 0.]	[0. 0. -1.]	[0.25882 0.96593 0.]	[0.25882 -0.96593 0.]	[0. 0. -1.]	[-0.13053 0.99144 0.]	[0.60876 -0.79335 0.]
Transfer Properties											
Source											
Read Only	No										
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[27.935 -21.435 71.402]	[88.142 -114.87 -71.402]	[-1.3493e-013 1.8508e-013 -4.]	[6.0289 -10.442 45.]	[177.7 -23.394 -11.747]	[-4.781e-015 -2.7239e-014 4. -4.]	[64.433 -17.265 86.933]	[170.9 45.794 23.294]	[1.8225e-015 -2.7724e-014 4. -4.]	[100.88 13.281 89.23]	[128.05 98.255 54.789]

TABLE 74
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 15905	Part1 DE 15911	Part1 DE 15931	Part1 DE 15937	Part1 DE 15943	Part1 DE 15963	Part1 DE 15969	Part1 DE 15975	Part1 DE 15995	Part1 DE 16005	Part1 DE 16011		
State	Fully Defined												
Definition													
Type	Cartesian												
Coordinate System	Program Controlled												
APDL Name													
Suppressed	No												
Origin													
Define By	Global Coordinates												
Origin X	-2.0845e-013 mm	116.91 mm	67.5 mm	-1.7725e-014 mm	98.255 mm	13.281 mm	1.5905e-014 mm	45.794 mm	-49. mm	0. mm	-1.1231e-029 mm		
Origin Y	-1.5136e-013 mm	67.5 mm	116.91 mm	-6.4281e-014 mm	128.05 mm	100.88 mm	-2.8122e-014 mm	170.9 mm	12. mm		-9.0779e-014 mm		
Origin Z	-4. mm	77.942 mm		-4. mm	54.789 mm	89.23 mm	-4. mm	23.294 mm	61. mm	12. mm	26. mm		
Location	Defined												
Principal Axis													
Axis	X												
Define By	Fixed Vector												
Orientation About Principal Axis													
Axis	Y												
Define By	Fixed Vector												
Directional Vectors													
X Axis Data	[0.79335 0.60876]	[0. 0. -]	[-0.5 -0.86603]	[0.5 0.86603]	[0. 0. -]	[-0.13053 -0.99144]	[0.13053]	[0. 0. -]	[0. 0.]	[1. 0. 0.]			

	0.]	1.]	0.]	0.]	1.]	0.]	0.99144 0.]	1.]	1.]		
Y Axis Data	[0.60876 - 0.79335 0.]	[- 0.86603 - 0.50.]	[0. 0. -1.]	[0.86603 - 0.50.]	[- 0.60876 - 0.79335 0.]	[0. 0. -1.]	[0.99144 - 0.13053 0.]	[- 0.25882 - 0.96593 0.]	[-1. 0. 0.]	[0. 0. 1.]	[0. -1. 0.]
Z Axis Data	[0. 0. -1.]	[-0.5 0.86603 0.]	[0.86603 -0.50.]	[0. 0. -1.]	[0.79335 0.60876 0.]	[0.99144 -0.13053 0.]	[0. 0. -1.]	[-0.96593 0.25882 0.]	[0. -1. 0.]	[0. 0. -1.]	
Transfer Properties											
Source											
Read Only											
Transformations											
Base Configuration	Absolute										
Transformed Configuration	[-2.0845e-013 - 1.5136e-013 -4.]	[116.91 67.5 77.942]	[67.5 116.91 77.942]	[-1.7725e-014 - 6.4281e-014 -4.]	[98.255 128.05 54.789]	[13.281 100.88 89.23]	[1.5905e-014 - 2.8122e-014 -4.]	[45.794 170.9 23.294]	[-49. 12. 61.]	[0. 12. 12.]	[-1.1231e-029 - 9.0779e-014 26.]

TABLE 75
Model (A4, B4) > Coordinate Systems > Coordinate System

Object Name	Part1 DE 16027	Part1 DE 16033	Part1 DE 16043	Part1 DE 16059	Part1 DE 16069	Part1 DE 16075	Part1 DE 16091	Part1 DE 16101	Part1 DE 16107	Part1 DE 16127	Part1 DE 16167											
State	Fully Defined																					
Type	Cartesian																					
Coordinate System	Program Controlled																					
APDL Name																						
Suppressed	No																					
Origin	Global Coordinates																					
Define By																						
Origin X	0. mm	51. mm	-1.9259e-031 mm	-178. mm	89. mm	0. mm	-89. mm	0. mm	-6.8798e-030 mm	0. mm	4.7034e-030 mm											
Origin Y	5.5864e-014 mm	-9. mm		-7. mm		4.8881e-014 mm	7. mm		-5.5864e-014 mm	9.0779e-014 mm	-3.8406e-014 mm											
Origin Z	16. mm	60. mm	9. mm	-7. mm	82. mm	-14. mm	96. mm	7. mm	16. mm	26. mm	-11. mm											
Location	Defined																					
Principal Axis	X																					
Axis																						
Define By	Fixed Vector																					
Orientation About Principal Axis	Y																					
Axis																						
Define By	Fixed Vector																					
Directional Vectors																						
X Axis Data	[-1. 0. 0.]	[0. 0. -1.]	[1. 0. 0.]	[-1. 0. 0.]	[0. 0. -1.]	[1. 0. 0.]	[0. 0. 1.]	[1. 0. 0.]		[-1. 0. 0.]												
Y Axis Data	[0. 1. 0.]	[-1. 0. 0.]	[0. 0. -1.]		[1. 0. 0.]	[0. -1. 0.]	[-1. 0. 0.]	[0. 0. 1.]	[0. -1. 0.]	[0. 1. 0.]												
Z Axis Data	[0. 0. -1.]	[0. 1. 0.]		[0. -1. 0.]		[0. 0. -1.]	[0. -1. 0.]		[0. 0. -1.]													
Transfer Properties																						
Source																						
Read Only	No																					
Transformations	Absolute																					
Base Configuration																						
Transformed Configuration	[0. 5.5864e-014 16.]	[51. -9. 60.]	[-1.9259e-031 -9. 9.]	[-178. -7. -7.]	[89. -7. 82.]	[0. 4.8881e-014 -14.]	[-89. 7. 96.]	[0. 7. 7.]	[-6.8798e-030 -5.5864e-014 16.]	[0. 9.0779e-014 26.]	[4.7034e-030 -3.8406e-014 -11.]											

Mesh

TABLE 76
Model (A4, B4) > Mesh

Object Name	Mesh
State	Solved
Display	
Display Style	Use Geometry Setting
Defaults	
Physics Preference	Mechanical
Element Order	Program Controlled
Element Size	Default

Sizing	
Use Adaptive Sizing	Yes
Resolution	Default (2)
Mesh Defeaturing	Yes
Defeature Size	Default
Transition	Fast
Span Angle Center	Coarse
Initial Size Seed	Assembly
Bounding Box Diagonal	255.42 mm
Average Surface Area	241.44 mm ²
Minimum Edge Length	9.1207e-003 mm
Quality	
Check Mesh Quality	Yes, Errors
Error Limits	Aggressive Mechanical
Target Element Quality	Default (5.e-002)
Smoothing	Medium
Mesh Metric	None
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	5
Growth Rate	1.2
Inflation Algorithm	Pre
Inflation Element Type	Wedges
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Rigid Body Behavior	Dimensionally Reduced
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Auto-Map Fillets	No
Automatic Methods	
Sheet Body Method	Prime Quad Dominant
Sweepable Body Method	Sweep
Statistics	
Nodes	39030
Elements	21095
Show Detailed Statistics	No

Named Selections

TABLE 77
Model (A4, B4) > Named Selections > Named Selections

Object Name	Color:201.209.238 Layer:0
State	Fully Defined
Scope	
Scoping Method	Geometry Selection
Geometry	363 Faces
Definition	
Send to Solver	Yes
Protected	Program Controlled
Visible	Yes
Program Controlled Inflation	Exclude
Statistics	
Type	Imported
Total Selection	363 Faces
Surface Area	87641 mm ²
Suppressed	0
Used by Mesh Worksheet	No

Steady-State Thermal (A5)

TABLE 78
Model (A4, B4) > Analysis

Object Name	Steady-State Thermal (A5)
State	Solved
Definition	
Physics Type	Thermal

Analysis Type	Steady-State
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 79
Model (A4, B4) > Steady-State Thermal (A5) > Initial Condition

Object Name	Initial Temperature
State	Fully Defined
Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	22. °C

TABLE 80
Model (A4, B4) > Steady-State Thermal (A5) > Analysis Settings

Object Name	Analysis Settings
State	Fully Defined
Step Controls	
Number Of Steps	1.
Current Step Number	1.
Step End Time	1. s
Auto Time Stepping	Program Controlled
Solver Controls	
Solver Type	Program Controlled
Solver Pivot Checking	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	1000.
Solver Tolerance	1.e-007 W/mm ²
Over Relaxation	0.1
Hemicube Resolution	10.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Advanced	
Contact Split (DMP)	Program Controlled
Output Controls	
Output Selection	None
Calculate Thermal Flux	Yes
Contact Data	Yes
Nodal Forces	No
Volume and Energy	Yes
Euler Angles	Yes
General Miscellaneous	No
Contact Miscellaneous	No
Store Results At	All Time Points
Result File Compression	Program Controlled
Analysis Data Management	
Solver Files Directory	C:\Users\91905\OneDrive\Desktop\Disk Break\disk break_files\dp0\SYS\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Contact Summary	Program Controlled
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	nmm

TABLE 81
Model (A4, B4) > Steady-State Thermal (A5) > Loads

Object Name	Temperature	Convection
State	Fully Defined	
Scope		
Scoping Method	Geometry Selection	
Geometry	1 Face	
Definition		
Type	Temperature	Convection
Magnitude	100. °C (ramped)	
Suppressed	No	
Film Coefficient	Tabular Data	
Coefficient Type	Difference of Surface and Bulk Temp	

Ambient Temperature	22. °C (ramped)
Convection Matrix	Program Controlled
Element APDL Name	
Edit Data For	Film Coefficient
Tabular Data	
Independent Variable	Temperature
Graph Controls	
X-Axis	

FIGURE 1
Model (A4, B4) > Steady-State Thermal (A5) > Temperature

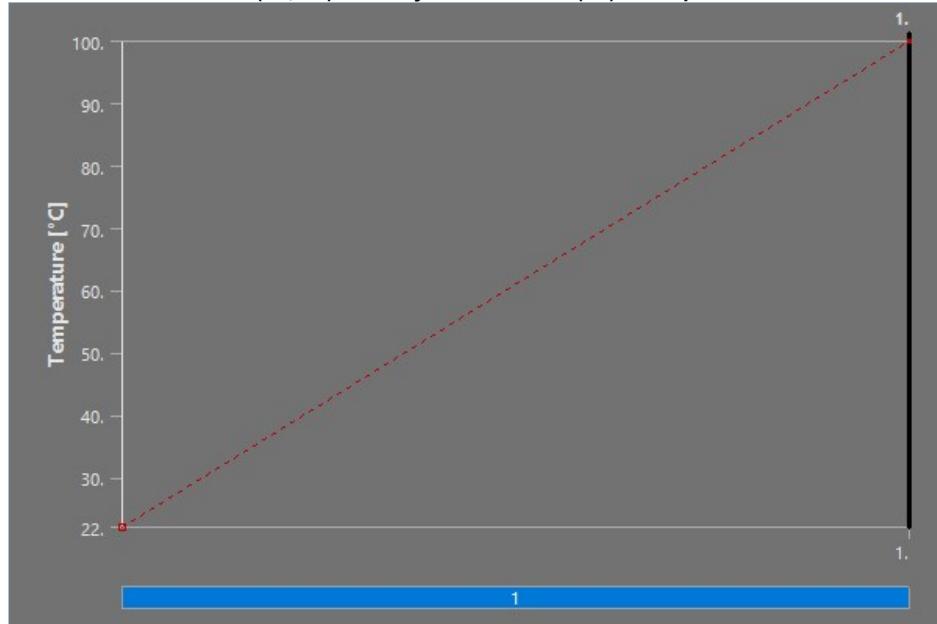


FIGURE 2
Model (A4, B4) > Steady-State Thermal (A5) > Convection

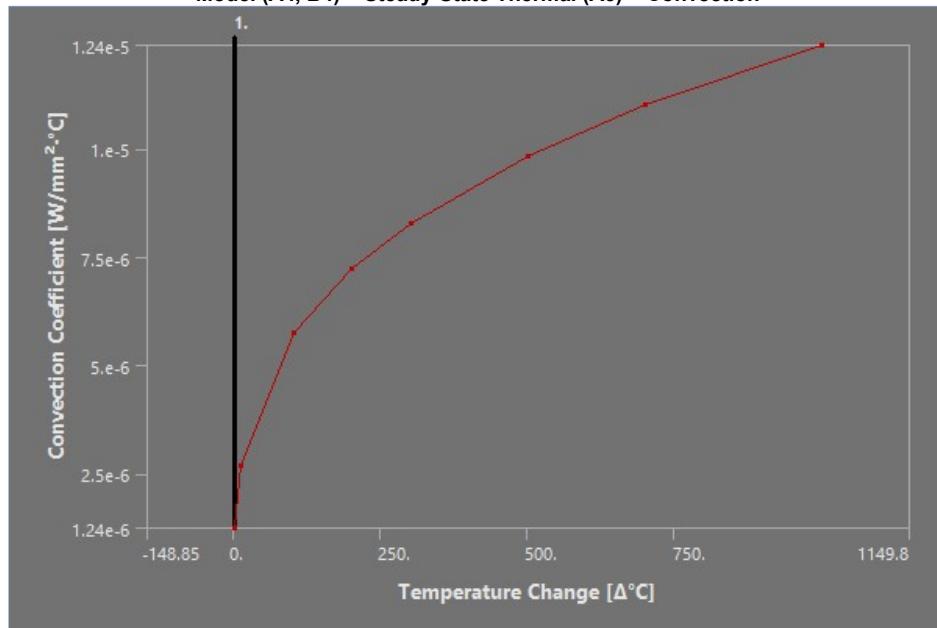


TABLE 82
Model (A4, B4) > Steady-State Thermal (A5) > Convection

Temperature Change [Δ°C]	Convection Coefficient [W/mm ² ·°C]
1.	1.24e-006
10.	2.67e-006
100.	5.76e-006
200.	7.25e-006
300.	8.3e-006
500.	9.84e-006
700.	1.101e-005
1000.	1.24e-005

Solution (A6)

TABLE 83
Model (A4, B4) > Steady-State Thermal (A5) > Solution

Object Name	<i>Solution (A6)</i>
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	27. s
MAPDL Memory Used	443. MB
MAPDL Result File Size	8.9375 MB
Post Processing	
Beam Section Results	No
On Demand Stress/Strain	No

TABLE 84
Model (A4, B4) > Steady-State Thermal (A5) > Solution (A6) > Solution Information

Object Name	<i>Solution Information</i>
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 85
Model (A4, B4) > Steady-State Thermal (A5) > Solution (A6) > Results

Object Name	<i>Temperature</i>
State	Solved
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Definition	
Type	Temperature
By	Time
Display Time	Last
Separate Data by Entity	No
Calculate Time History	Yes
Identifier	
Suppressed	No
Results	
Minimum	99.905 °C
Maximum	100. °C
Average	99.991 °C
Minimum Occurs On	Part1 Solid
Maximum Occurs On	Part1 Solid
Information	
Time	1. s
Load Step	1
Substep	1
Iteration Number	2

FIGURE 3
Model (A4, B4) > Steady-State Thermal (A5) > Solution (A6) > Temperature

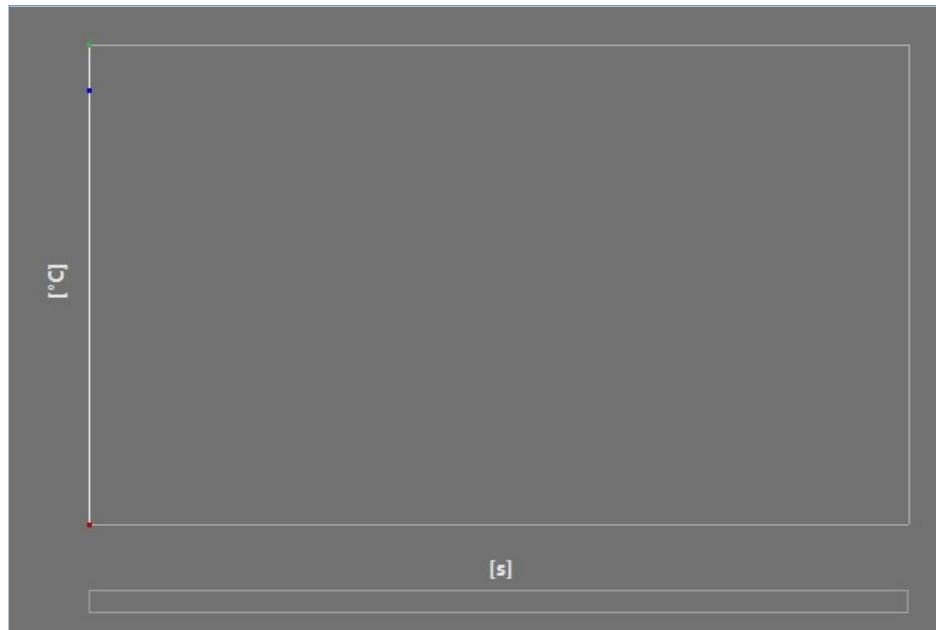


TABLE 86
Model (A4, B4) > Steady-State Thermal (A5) > Solution (A6) > Temperature

Time [s]	Minimum [°C]	Maximum [°C]	Average [°C]
1.	99.905	100.	99.991

Static Structural (B5)

TABLE 87
Model (A4, B4) > Analysis

Object Name	Static Structural (B5)
State	Solved
Definition	
Physics Type	Structural
Analysis Type	Static Structural
Solver Target	Mechanical APDL
Options	
Environment Temperature	22. °C
Generate Input Only	No

TABLE 88
Model (A4, B4) > Static Structural (B5) > Analysis Settings

Object Name	Analysis Settings
State	Fully Defined
Step Controls	
Number Of Steps	1.
Current Step Number	1.
Step End Time	1. s
Auto Time Stepping	Program Controlled
Solver Controls	
Solver Type	Program Controlled
Weak Springs	Off
Solver Pivot Checking	Program Controlled
Large Deflection	Off
Inertia Relief	Off
Quasi-Static Solution	Off
Rotordynamics Controls	
Coriolis Effect	Off
Restart Controls	
Generate Restart Points	Program Controlled
Retain Files After Full Solve	No
Combine Restart Files	Program Controlled
Nonlinear Controls	
Newton-Raphson Option	Program Controlled
Force Convergence	Program Controlled
Moment Convergence	Program Controlled
Displacement Convergence	Program Controlled
Rotation Convergence	Program Controlled
Line Search	Program Controlled

Stabilization	Program Controlled
Advanced	
Inverse Option	No
Contact Split (DMP)	
Output Controls	
Output Selection	None
Stress	Yes
Back Stress	No
Strain	Yes
Contact Data	Yes
Nonlinear Data	No
Nodal Forces	No
Volume and Energy	Yes
Euler Angles	Yes
General Miscellaneous	No
Contact Miscellaneous	No
Store Results At	All Time Points
Result File Compression	Program Controlled
Analysis Data Management	
Solver Files Directory	C:\Users\91905\OneDrive\Desktop\Disk Break\disk break_files\dp0\SYS-1\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Contact Summary	Program Controlled
Delete Unneeded Files	Yes
Nonlinear Solution	No
Solver Units	Active System
Solver Unit System	nmm

TABLE 89
Model (A4, B4) > Static Structural (B5) > Rotations

Object Name	Rotational Velocity
State	Fully Defined
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Definition	
Define By	Vector
Magnitude	100. rad/s (ramped)
Axis	Defined
Suppressed	No

FIGURE 4
Model (A4, B4) > Static Structural (B5) > Rotational Velocity

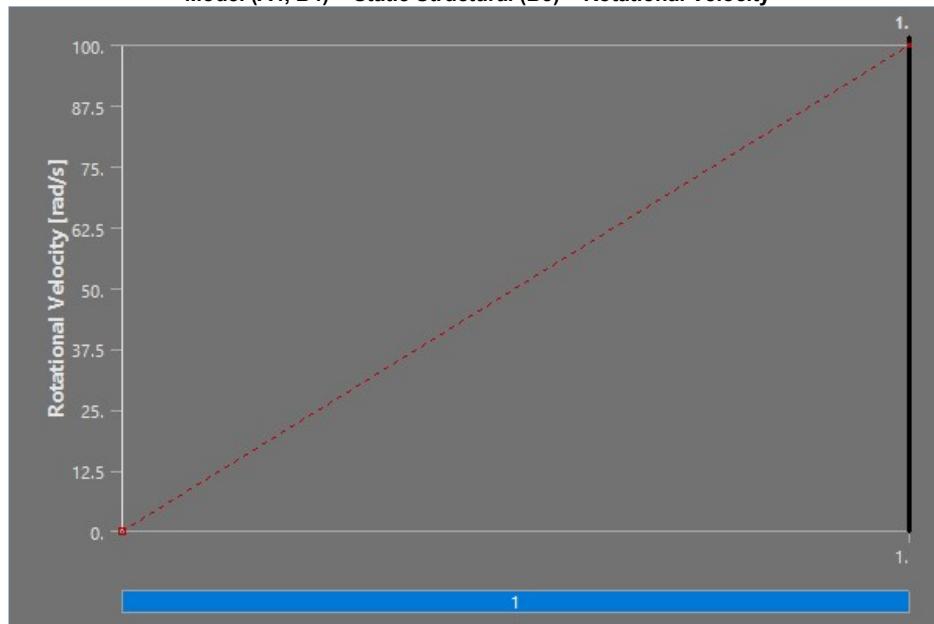


TABLE 90
Model (A4, B4) > Static Structural (B5) > Loads

Object Name	Fixed Support	Pressure	Pressure 2
State	Fully Defined		

Scope		
Scoping Method		Geometry Selection
Geometry	10 Faces	1 Face
Definition		
Type	Fixed Support	Pressure
Suppressed	No	
Define By		Normal To
Applied By		Surface Effect
Loaded Area		Deformed
Magnitude		0.5 MPa (ramped)

FIGURE 5
Model (A4, B4) > Static Structural (B5) > Pressure

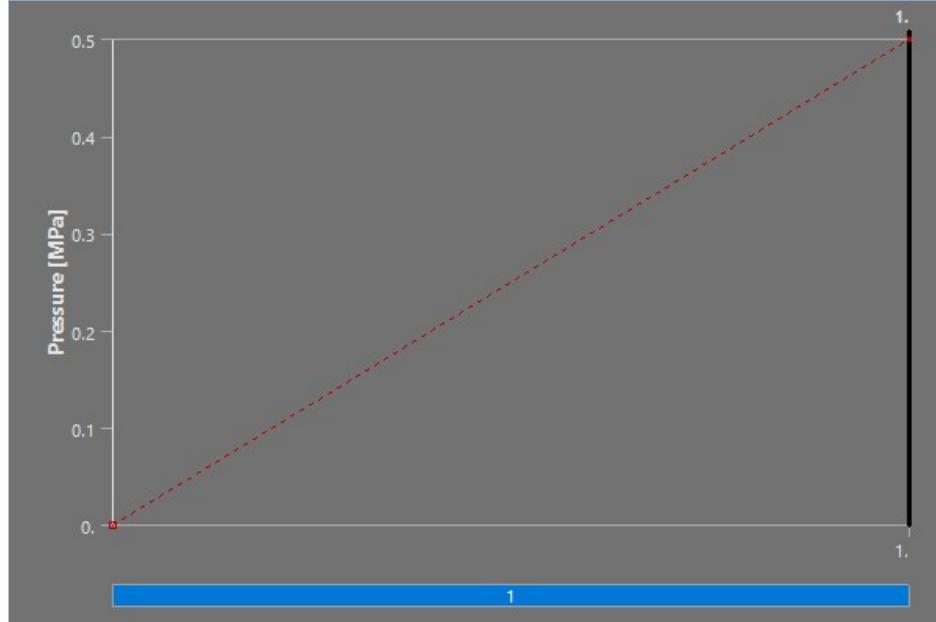


FIGURE 6
Model (A4, B4) > Static Structural (B5) > Pressure 2

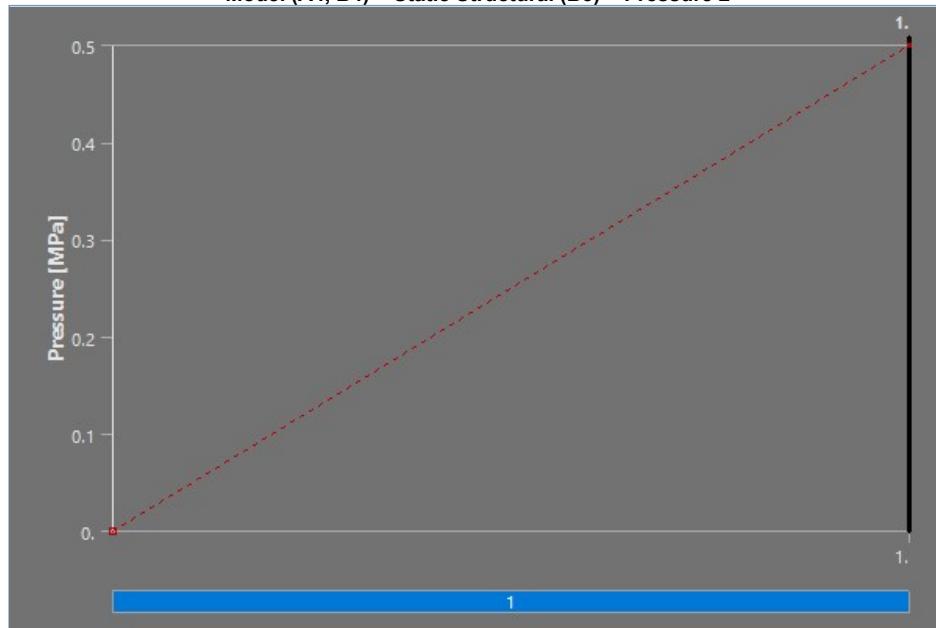


TABLE 91
Model (A4, B4) > Static Structural (B5) > Imported Load (A6)

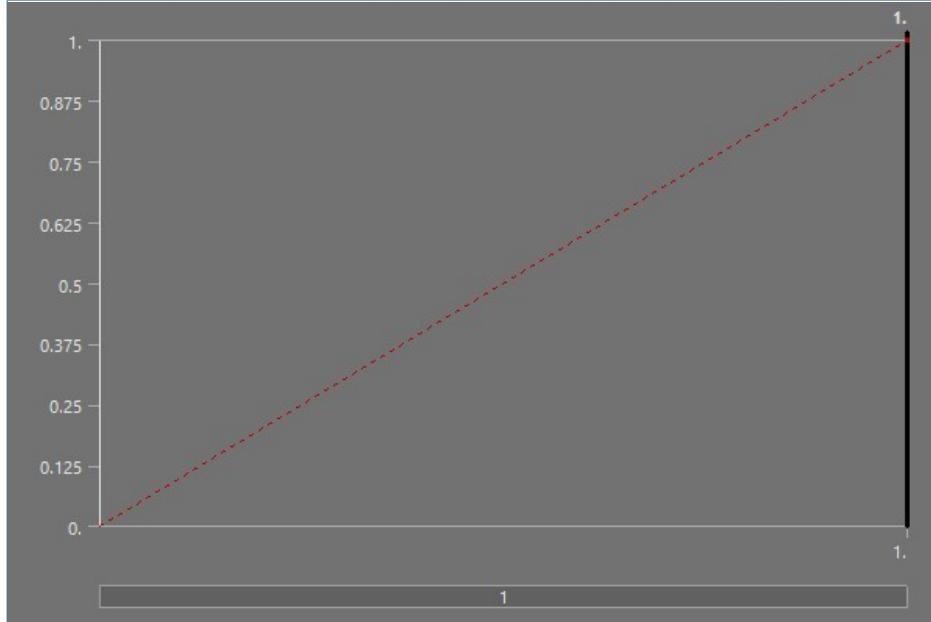
Object Name	Imported Load (A6)
State	Fully Defined
Definition	
Type	Imported Data
Interpolation Type	Mechanical Results Transfer
Suppressed	No
Source	A6::Solution

Data Management	
Delete Mapped Data Files	Yes

TABLE 92
Model (A4, B4) > Static Structural (B5) > Imported Load (A6) > Imported Body Temperature

Object Name	Imported Body Temperature
State	Solved
Scope	
Scoping Method	Geometry Selection
Geometry	1 Body
Definition	
Type	Imported Body Temperature
Tabular Loading	Program Controlled
Mapped Data	To Input File
Suppressed	No
Source Environment	Steady-State Thermal (A5)
Source Time	Worksheet

FIGURE 7
Model (A4, B4) > Static Structural (B5) > Imported Load (A6) > Imported Body Temperature



Model (A4, B4) > Static Structural (B5) > Imported Load (A6) > Imported Body Temperature

	Source Time (s)	Analysis Time (s)	Scale	Offset (Δ °C)
1	End Time	1	1	0
*				

Solution (B6)

TABLE 93
Model (A4, B4) > Static Structural (B5) > Solution

Object Name	Solution (B6)
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	35. s
MAPDL Memory Used	368. MB
MAPDL Result File Size	15.938 MB
Post Processing	
Beam Section Results	No
On Demand Stress/Strain	No

TABLE 94
Model (A4, B4) > Static Structural (B5) > Solution (B6) > Solution Information

Object Name	Solution Information
State	Solved
Solution Information	

	Solution Output	Solver Output
Newton-Raphson Residuals	0	
Identify Element Violations	0	
Update Interval	2.5 s	
Display Points	All	
FE Connection Visibility		
Activate Visibility	Yes	
Display	All FE Connectors	
Draw Connections Attached To	All Nodes	
Line Color	Connection Type	
Visible on Results	No	
Line Thickness	Single	
Display Type	Lines	

TABLE 95
Model (A4, B4) > Static Structural (B5) > Solution (B6) > Results

Object Name	Total Deformation	Equivalent Stress
State	Solved	
Scope		
Scoping Method	Geometry Selection	
Geometry	All Bodies	
Definition		
Type	Total Deformation	Equivalent (von-Mises) Stress
By	Time	
Display Time	Last	
Separate Data by Entity	No	
Calculate Time History	Yes	
Identifier		
Suppressed	No	
Results		
Minimum	0. mm	1.1227 MPa
Maximum	6.7061e-002 mm	621.02 MPa
Average	4.5413e-002 mm	69.235 MPa
Minimum Occurs On	Part1 Solid	
Maximum Occurs On	Part1 Solid	
Information		
Time	1. s	
Load Step	1	
Substep	1	
Iteration Number	1	
Integration Point Results		
Display Option	Averaged	
Average Across Bodies	No	

FIGURE 8
Model (A4, B4) > Static Structural (B5) > Solution (B6) > Total Deformation

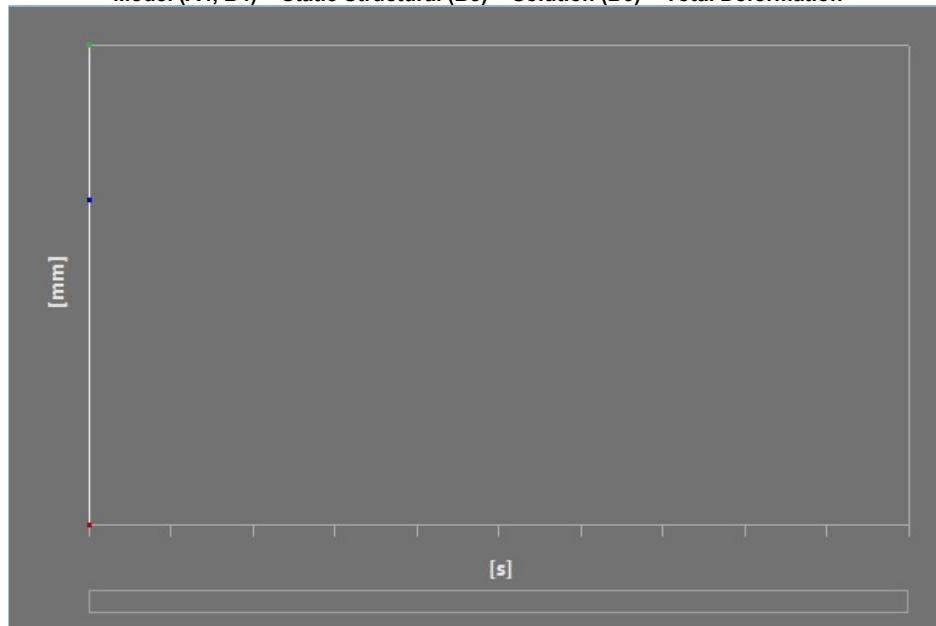


TABLE 96
Model (A4, B4) > Static Structural (B5) > Solution (B6) > Total Deformation

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1.	0.	6.7061e-002	4.5413e-002

FIGURE 9
Model (A4, B4) > Static Structural (B5) > Solution (B6) > Equivalent Stress

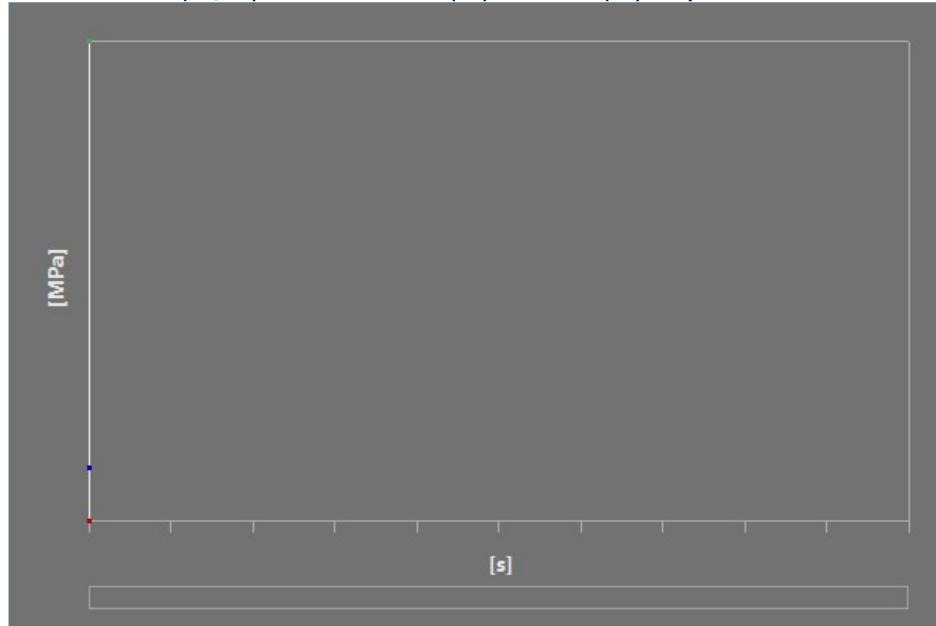


TABLE 97
Model (A4, B4) > Static Structural (B5) > Solution (B6) > Equivalent Stress

Time [s]	Minimum [MPa]	Maximum [MPa]	Average [MPa]
1.	1.1227	621.02	69.235

Material Data

Structural Steel

TABLE 98
Structural Steel > Constants

Density	7.85e-009 tonne mm ⁻³
Coefficient of Thermal Expansion	1.2e-005 K ⁻¹
Specific Heat	4.34e+008 mJ tonne ⁻¹ K ⁻¹
Thermal Conductivity	6.05e-002 W mm ⁻¹ K ⁻¹
Resistivity	1.7e-004 ohm mm

TABLE 99
Structural Steel > Color

Red	Green	Blue
132	139	179

TABLE 100
Structural Steel > Compressive Ultimate Strength

Compressive Ultimate Strength MPa
0

TABLE 101
Structural Steel > Compressive Yield Strength

Compressive Yield Strength MPa
250

TABLE 102
Structural Steel > Tensile Yield Strength

Tensile Yield Strength MPa
250

TABLE 103
Structural Steel > Tensile Ultimate Strength

Tensile Ultimate Strength MPa
460

TABLE 104

Structural Steel > Isotropic Secant Coefficient of Thermal Expansion

Zero-Thermal-Strain Reference Temperature K
295.15

TABLE 105
Structural Steel > S-N Curve

Alternating Stress MPa	Cycles	Mean Stress MPa
3999	10	0
2827	20	0
1896	50	0
1413	100	0
1069	200	0
441	2000	0
262	10000	0
214	20000	0
138	1.e+005	0
114	2.e+005	0
86.2	1.e+006	0

TABLE 106
Structural Steel > Strain-Life Parameters

Strength Coefficient MPa	Strength Exponent	Ductility Coefficient	Ductility Exponent	Cyclic Strength Coefficient MPa	Cyclic Strain Hardening Exponent
920	-0.106	0.213	-0.47	1000	0.2

TABLE 107
Structural Steel > Isotropic Elasticity

Young's Modulus MPa	Poisson's Ratio	Bulk Modulus MPa	Shear Modulus MPa	Temperature K
2.e+005	0.3	1.6667e+005	76923	

TABLE 108
Structural Steel > Isotropic Relative Permeability

Relative Permeability
10000