

# Datum Precedence Table (ABC Alignment)

	Datum Features	Translational			Rotational		
	(Datum Reference Frame)	X	Y	Z	u (rx)	v (ry)	w (rz)
P	Plane-A			X	X	X	
S	Plane-B		X		--		X
T	Plane-C	X				--	--

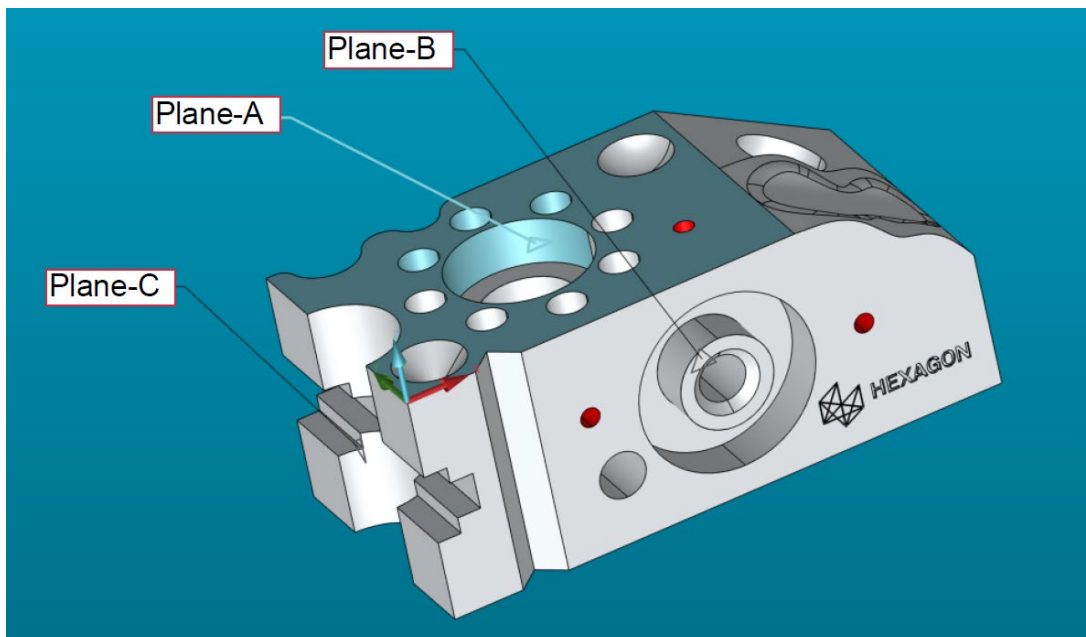
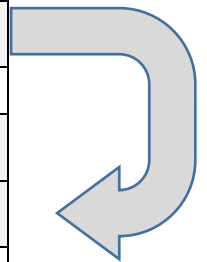
P = Primary / S = Secondary / T = Tertiary

## Note:

Whichever feature constrains 2 of the 3 degrees of rotational freedom is the Level feature.

Whichever feature constrains the remaining degree of rotational freedom is the Rotate feature.

<b>Level:</b>	Plane-A	<b>To <math>\pm XYZ</math>:</b>	Z+
<b>Rotate:</b>	Plane-B	<b>To <math>\pm XYZ</math>:</b>	Y-
		<b>About:</b>	Z+
<b>Origin</b>			
<b>X:</b>	Plane-C		
<b>Y:</b>	Plane-B		
<b>Z:</b>	Plane-A		



# Datum Precedence Table (ADB Alignment)

	Datum Features	Translational			Rotational		
	(Datum Reference Frame)	X	Y	Z	u (rx)	v (ry)	w (rz)
P	Plane-A			X	X	X	
S	Cylinder-D	X	X		--	--	
T	Plane-B		--		--		X

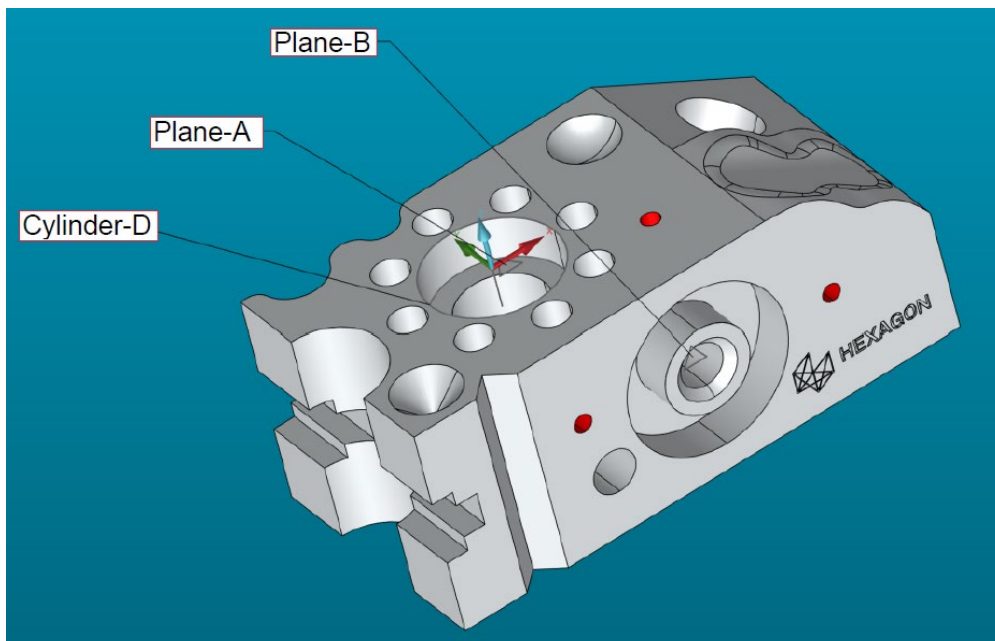
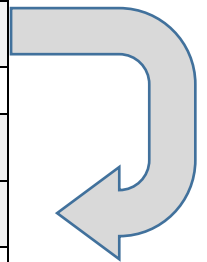
P = Primary / S = Secondary / T = Tertiary

## Note:

Whichever feature constrains 2 of the 3 degrees of rotational freedom is the Level feature.

Whichever feature constrains the remaining degree of rotational freedom is the Rotate feature.

<b>Level:</b>	Plane-A	<b>To ±XYZ:</b>	Z+
<b>Rotate:</b>	Plane-B	<b>To ±XYZ:</b>	Y-
		<b>About:</b>	Z+
<b>Origin</b>			
<b>X:</b>	Cylinder-D		
<b>Y:</b>	Cylinder-D		
<b>Z:</b>	Plane-A		



# Datum Precedence Table (AGD Alignment)

	Datum Features	Translational			Rotational		
	(Datum Reference Frame)	X	Y	Z	u (rx)	v (ry)	w (rz)
P	Plane-A			X	X	X	
S	Cylinder-G	X	X		--	--	↓
T	Cylinder-D	--	--		--	--	↑

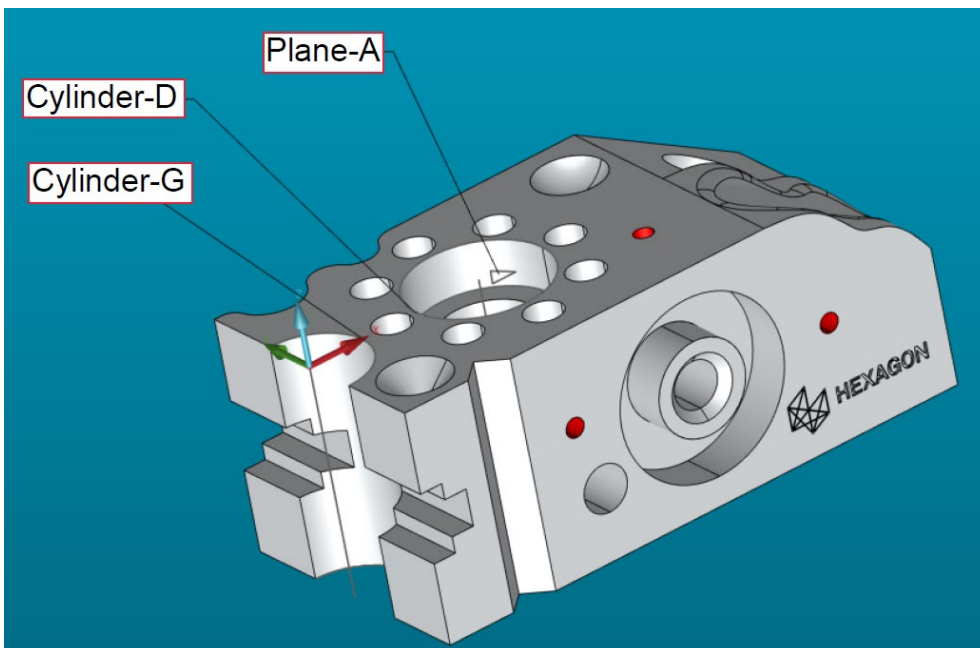
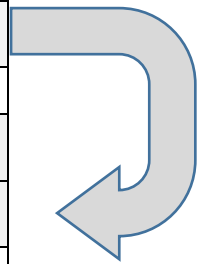
P = Primary / S = Secondary / T = Tertiary

## Note:

Whichever feature constrains 2 of the 3 degrees of rotational freedom is the Level feature.

Whichever feature constrains the remaining degree of rotational freedom is the Rotate feature.

<b>Level:</b>	Plane-A	<b>To ±XYZ:</b>	Z+
<b>Rotate:</b>	Cylinder-G → Cylinder-D	<b>To ±XYZ:</b>	X+
		<b>About:</b>	Z+
<b>Origin</b>			
<b>X:</b>	Cylinder-G		
<b>Y:</b>	Cylinder-G		
<b>Z:</b>	Plane-A		



# Datum Precedence Table (EBA Alignment)

	Datum Features	Translational			Rotational		
	(Datum Reference Frame)	X	Y	Z	u (rx)	v (ry)	w (rz)
P	Cylinder-E	X	X		X	X	
S	Plane-B		--		--		X
T	Plane-A			X	--	--	

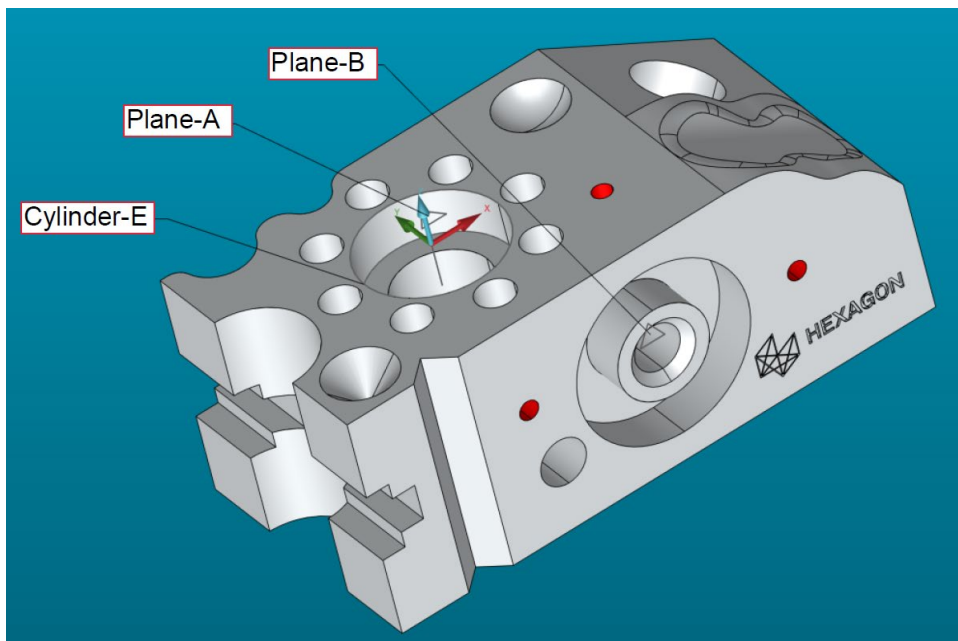
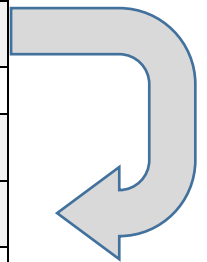
P = Primary / S = Secondary / T = Tertiary

## Note:

Whichever feature constrains 2 of the 3 degrees of rotational freedom is the Level feature.

Whichever feature constrains the remaining degree of rotational freedom is the Rotate feature.

<b>Level:</b>	Cylinder-E	<b>To ±XYZ:</b>	Z+
<b>Rotate:</b>	Plane-B	<b>To ±XYZ:</b>	Y-
		<b>About:</b>	Z+
<b>Origin</b>			
<b>X:</b>	Cylinder-E		
<b>Y:</b>	Cylinder-E		
<b>Z:</b>	Plane-A		



# Datum Precedence Table (EF Alignment)

	Datum Features	Translational			Rotational		
	(Datum Reference Frame)	X	Y	Z	u (rx)	v (ry)	w (rz)
P	Cylinder-E	X	X		X	X	
S	Cylinder-F	--		X	--		X
T							

P = Primary / S = Secondary / T = Tertiary

## Note:

Whichever feature constrains 2 of the 3 degrees of rotational freedom is the Level feature.

Whichever feature constrains the remaining degree of rotational freedom is the Rotate feature.

<b>Level:</b>	Cylinder-E	<b>To ±XYZ:</b>	Z+
<b>Rotate:</b>	Cylinder-F	<b>To ±XYZ:</b>	Y+
		<b>About:</b>	Z+
<b>Origin</b>			
<b>X:</b>	Cylinder-E		
<b>Y:</b>	Cylinder-E		
<b>Z:</b>	Cylinder-F		

