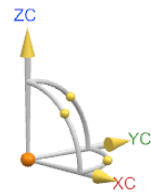
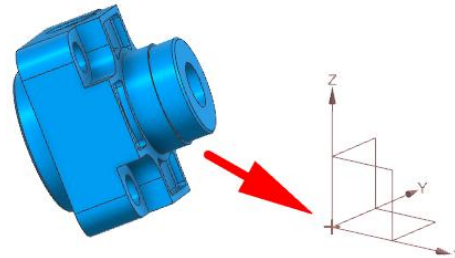


Das Arbeiten mit den NX Handles

In NX, various functions provide users with so-called handles (see image on the right) for controlling the movement or positioning of an object. In this NX Smart Tip, I'd like to demonstrate how to use this axis system, specifically using the **"Move Object"** function.



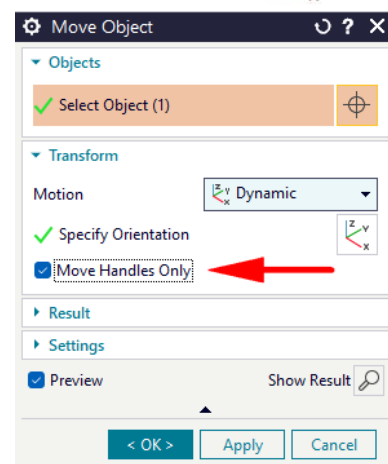
As an example, I have a solid here that was imported via a data import. Its orientation is quite unusual relative to the part file's coordinate system. The goal is now to position this solid within the part file's coordinate system so that the solid's origin and orientation match those of the coordinate system.



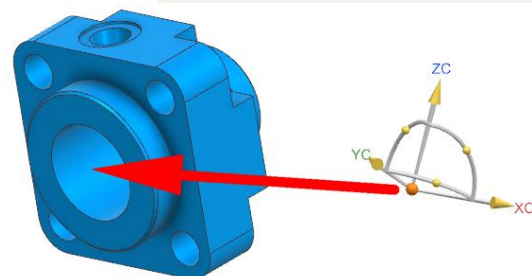
Using the **"Move Object"** function, we will now move the solid to the axis system and align it properly.

We launch the function and select the blue solid.

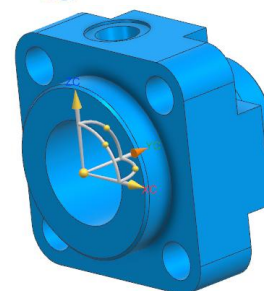
In the dialog box for this function, select the "Dyn." motion on the 'Transformation' tab and check the **"Move Handles Only"** option.



In the handle system, we select the yellow sphere at the origin, which is now highlighted in orange. With the next selection, we can define the new location of the handle and select the center of the large hole in the solid. The handle system is now moved to this point.

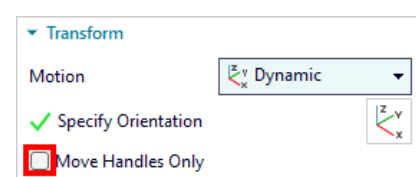


Now we select the yellow arrowhead on the **X-axis** of the handle. With the next selection, we can define the orientation of the handle in the X-direction and select the lower edge of the solid. We proceed similarly with the **Y-axis**, except here we select the cylindrical surface of the large bore and align the axis with its centerline.

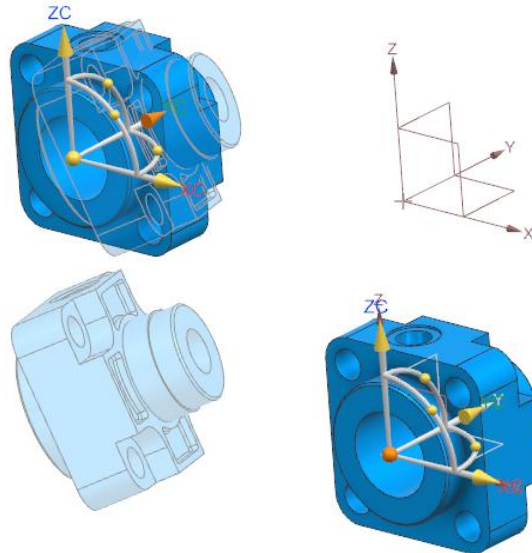


Now the handle system is aligned the way we actually want the solid to be aligned with the part file's axis system..

We will now uncheck the **"Move Handles Only"** option in the **"Move Object"** dialog box so that, from now on, the handle and the solid are moved together.

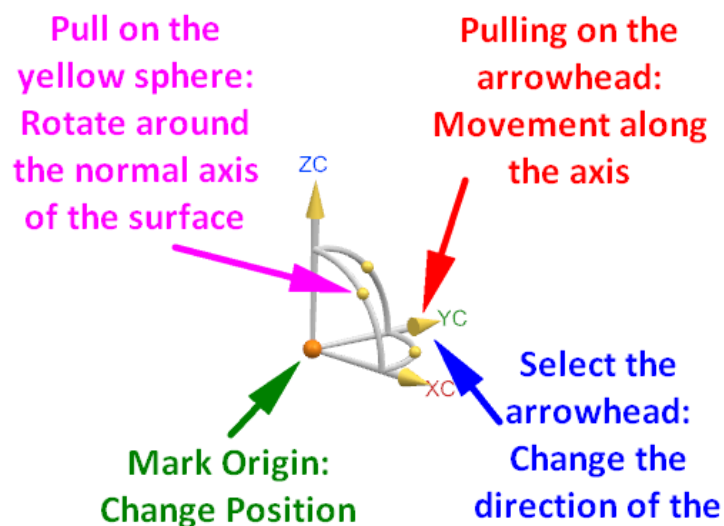


The procedure follows the same pattern again. We select the yellow arrowhead on the X-axis of the handle and then the X-axis of the base coordinate system. The solid and the handle align. We do the same with the Y-axis.



In the next step, we select the yellow sphere representing the handle's origin and then the origin of the base coordinate system. The solid and the handle system move to the new origin. We can click OK, and we're done.

Here's a brief overview of the individual `Handle` objects:



I would be delighted if this NX Smart tip was useful to you. Do you have any questions?
Just get in touch with me.



Your NX trainer, consultant and service provider

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