

HELIX TD

Amazing! “DNA-Like”, Helical Coils



Manual and Instructions

The HELIX is A “TRUE” Cross-Over prosthetic device that functions well in both vocational and a-vocational activities! It comes in both right and left handed models.

It is constructed from high strength, flexible, polyurethane. The “DNA-Like” Helical coils capture a variety of cylindrical handles and “sticks”. Long handled rakes, shovels... & short handled garden tools, even hoses... OR sports equipment like lacrosse and hockey sticks, baseball bats.... The uses and applications continue to grow.

Installation/Function & Operation

The Helix can be connected to a prosthesis by simply screwing it into a “threaded” type wrist or a “Disconnect” style insert can be screwed on and used with a disconnect-style wrist. TRS now offers the OMEGA Friction – Disconnect wrist that works perfectly with the HELIX.

If the HELIX is going to be used in applications where a piece of sports equipment needs to be quickly inserted or removed from the HELIX coils (Example a lacrosse stick), then The HELIX should be tightened down or locked into one position so that it does not rotate easily on the end of the prosthesis (**Note that this requirement is different than for most all other TRS devices or for different non-critical applications**)

Locking the HELIX in one position provides a stable platform for weaving objects like a lacrosse stick in and out of the HELIX coils. If the device swivels on the wrist it will be harder to get an object or handle “In and Out” of the HELIX coils **QUICKLY**. *We suggest first experimenting with the position of the HELIX to determine where it is best located and” fixed-in-place” to perform optimally in these specific , higher performance, applications.* **Weaving-in (Snapping in and out”) a handle or object from the HELIX takes a little practice but with practice the “action” becomes easy!**

In non-critical, general uses (Example .. raking) the device can rotate under whatever “friction” you prefer using the prosthetic wrist to adjust that friction. *It does not need to be locked into position!*

The helical coils are quite flexible and will wrap around and secure a variety of object diameters so you can experiment with how it holds different types of tool handles. The flexibility allows the HELIX to perform much like a human wrist and forearm in the control of handles and tools.

Care/Maintenance

The HELIX can be immersed in water and washed regularly with no negative impacts to the device. The HELIX is manufactured from a “thermo-set” formula of polyurethane. It is not thermo-moldable. It can withstand temperatures over 500 degrees F and at temperatures of 900 degrees or more it will burn. The material will not melt but it softens a bit and becomes more flexible at higher temperatures. In normal day to day temperature ranges you will not experience much difference in its performance. UV direct exposure degrades most all synthetic and natural rubbers, so do not store the HELIX in direct sunlight exposure for long periods of time.



HELIX "In-Place"



Use thumb to help disengage HELIX



Weaving "snapping in" HELIX onto lacrosse stick



Continuing weaving the HELIX onto stick



HELIX "Ready for action"