

DownHill Racer Ski TD

The DownHill Racer features a unique “Snap-In” and “Pop-Out” pole action for safety and convenience. It has a pre-flexed pole angle for ensuring that the basket clears the snow yet provides enough angle and energy for launching out of the “gate”. It is extremely light-weight at only 4 oz. (114 gm) and is about 3.3 in. (8.4 cm.) long.

The Downhill Racer is molded of solid but *FLEXIBLE*, high performance polyurethane and is designed to fit 5/8 inch. (~1.6 cm) diameter poles. However, because the system is flexible it may accommodate alternative pole sizes-diameters without modification. ***You’ll need to remove the normal pole grip and size the pole for length.***

The Racer was primarily designed for “Alpine” (downhill) activity but has been successfully applied to “Nordic” (cross-country) skiing and is also applicable to mountaineering and hiking-climbing poles/sticks for use in the summer and other seasons.

Multiple flexibilities are available to meet specific age, weight and performance criteria and TRS will build one to meet your individual needs to ensure you get the best performance. The basic color is BLACK but custom colors are available for an extra fee.

A rubber “Press-on” pole cap is included for protection on the cut pole end. We recommend winding “electrical” or similar tape below pole to prevent the DH Racer from slipping down under force.

Modifying the DH Racer to allow the pole to snap in and out easier.

The unit is solid polyurethane rubber. Using an appropriate sized belt sander or high speed rotary grinder like a Dremmel Tool® and a small diameter, drum sander fitting, carefully open up the slot and or increase the angle of the “wedge” shape at the bottom and or top of the slot. Grind carefully because once removed the material cannot be replaced. Start by working the wedge shapes at the top and bottom. As these widen the pole will ingress and egress from the unit easier. (See photo below for areas to potentially remove)



Range of flexibility