CASCADE
The dafo People™

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Strong Dorsiflexion Resist/ Plantarflexion Stop DAFO Turbo

KEY CONCEPT: STRONG DORSIFLEXION RESIST COMBINED WITH EXCELLENT WRAPAROUND FOOT CONTROL

This Turbo model is shown with instep, forefoot, and anterior straps, standard padding and toe rise.

Brace design combines the features of a thin, wraparound SMO for good foot control and a stiff posterior AFO for strength. The design is separated into two interlocking components which allows each part to be finished without compromise to the other. The SMO is intended too be used together with the shell, and is not designed for independent use when less control is desirable.

USE WITH PATIENTS WHO:

1. Despite overall high tone, lack consistent plantar-flexion strength and collapses into crouched and severely pronated stance (often rocker bottomed).
2. Do not have the dorsiflexion range reflected in their stance when foot is corrected.
3. Crouched stance can be improved by manually extending the knee.
4. Weight and size due to maturity have exceeded patient's strength, ambulation is decreasing.

Hindfoot: excellent wraparound control
Forefoot: excellent wraparound control, hindfoot stable
Ankle: STOPS plantarflexion; STRONGLY RESISTS dorsiflexion, excellent medial-lateral control

CASTING AND ORDERING

In appropriate patients, the consistent crouching is often expressed in lots of pronation. **It is important that you do not sacrifice good hindfoot position to get the stance dorsiflexion position.** 2º to 4º dorsiflexion set in the Turbo is usual if the hindfoot position allows it. If the hindfoot will not allow the stance dorsiflexion, consider using heel lifts on the brace to compensate for the lack of true dorsiflexion. You will often need some forefoot varus left in the final position to make hindfoot position better. If using the footplate seems to prevent getting the best final position, don't use it. Use three layers of stockinette in the middle school and high school kids. **Be careful about the cast corrections you ask for on the order form, since the foot must be able to accommodate those corrections.**