

CLINICAL RATIONALE/JUSTIFICATION FOR QUADTRO SELECT® HIGH PROFILE® ROHO® CUSHION

This information is only a guide. Permobil recommends that a clinician experienced in seating and mobility be consulted to determine if these features are appropriate for the user's particular needs. Permobil provides this information to assist prescribing therapists. Each client should be considered as an individual with specific clinical needs based upon individual assessment.

Client medical needs/presentation:

- Skin protection: healing and/or prevention of skin breakdown on the sitting surface
- Sitting postural support due to instability/weakness/balance issues
- Custom fit to minimize peak pressure areas
- Asymmetrical positioning and alignment (due to atrophy, amputation, medical condition)
- Correction of a flexible pelvic deformity
- Accommodation of a fixed pelvic deformity
- Pain management
- Increased sitting tolerance
- Independent wheelchair mobility (foot propulsion)
- Client requiring tilt/recline in mobility base
- Changing needs due to height or weight changes
- Changing needs due to change in disease process

Product requirements:

- Adjustable cellular design, neoprene cushion to allow for adjustability to shape and weight
- Adjustable cellular design, neoprene cushion to allow for adjustability to changes in an individual's position over time (throughout movements of angles of mobility base and/or client movements)
- ISOFLO Memory Control® for control of airflow to allow for positioning and stability control while stationary or moving
- ISOFLO Memory Control® to maintain position and stability to prevent further deformity
- Custom ROHO® Shape Fitting Technology® to match the shape of the client's pelvis
- Easy modification of the custom fit to reduce costs and requirement of additional parts and labor
- Hydrostatic distribution of load across the entire sitting contact area providing pressure redistribution
- Provides 3.75"/95mm of immersion and increased envelopment
- Optimal material medium to provide support while sitting to prevent 'bottoming out'
- Adds little weight to entire mobility system
- Cover, which is machine washable
- Optimal neoprene rubber material, which can be patched or repaired to extend use
- Shock absorption, shear, and/or friction reduction
- 3-year product warranty

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ROHO® QUADTRO SELECT® HIGH PROFILE® cushion assists the client in meeting the above stated needs.

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Sample sentences for clinical rationale:

Client has trunk, pelvic and/or lower extremity postural deformities which are flexible and can be corrected. Through the ISOFLO Memory Control®, the ROHO® QUADTRO SELECT® HIGH PROFILE® CUSHION provides the ability to change the client's stability and sitting position to be more optimal and then maintains that position over time.

Client has trunk, pelvic and/or lower extremity postural deformities which are fixed and cannot be changed. Cushion provides support and skin protection by matching the client's shape to assist with pressure redistribution, stability, positioning and function in the available position.

Client has history of skin breakdown and/or is at high risk of breakdown. By matching the client's shape, the cushion provides optimal surface contact and distribution of force through 3.75"/99mm of immersion and envelopment to avoid peak pressures on the sitting surface. Through the cellular design and neoprene material, the cushion provides a reduction in shear and friction forces while the client is sitting on the cushion performing mobility tasks.

Client has changing needs during daily activity and over long periods of time. Through the cushion's ISOFLO Memory Control® there is a greater ability to meet the client's change of their shape through out the day with little time needed. In addition, due to the ease of adjustability there is reduced cost due to lesser time devoted to the modifications, and less added material or components (wedges, pads etc) to change the shape of the cushion.

Client requires equal pressure distribution through full range of tilt and/or recline. Cushion provides stability and maintains equalization of forces thus reducing peak pressures during tilt and recline movement of a mobility wheelchair base and with changes in angles of tilt with modification of seat to back angles.

Client requires postural control for independent function with both hands and feet. This cushion will allow for adjustments to meet the requirement of a lower seat to floor height and/or easy modifications to allow for better lower extremity positioning for foot propulsion.

ROHO® QUADTRO SELECT® HIGH PROFILE® cushion assists the client in meeting the above stated needs.