



Duo Mini Sales Brief

Introduction

- The purpose of the Duo Mini seating system is to provide maximum postural support and positioning for young children who are unable to maintain a good midline position and require additional support.
- The Duo is the third generation in Kirton's multi-positioning seating range following on from the original Persona and Solo chairs. Whilst the original chairs provided significant manual adjustment and positioning opportunities, the Duo provides equivalent adjustment and positioning with the added value of electrically/battery operated Tilt-in-Space and legrest elevation.
- Designed to easily adjust the tilt-in-space positioning and elevate the legrest as well as providing a pressure management seating solution, the Duo is multi-adjustable in all its dimensions for each individual user.

General Use

- Domestic home use
- Hospital and respite care environments
- For those with or at risk of developing an unconventional body shape
- For those with postural-related problems

Features

- Electrically powered Tilt-in-Space and legrest elevation
- Electrically powered chairs have a rechargeable battery
- Easy to use handset
- Cushioned Waterfall Back
- Three pressure relieving seat module options– Intelli-Gel[®], Transflo Gel or Reflexion[™] foam
- Arcing legrest motion without compromising footboard positioning
- Tool free adjustments - lever and spring clip adjustments
- Seat height adjustment through a geared mechanism
- Split-wing headrest for precision positioning of the head and shoulders
- Headrest angle adjustment
- Adjustable, positioning headrest
- Removable arms for side transfer
- Push Handle
- Height adjustable footboard
- Footboard angle adjustment



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- Strong, durable 75mm twin wheels, rear braked
- Modular construction enables refurbishment of components
- 5 year warranty*

*Subject to warranty guidelines

Pressure Relieving Seat Options (integral)

- Intelli-Gel® Seat Module
- Transflo Gel Seat Module
- Sculpted Reflexion™ Foam Seat Module

Key Chair Adjustments

- Electrically powered Tilt-in-Space and legrest elevation (rechargeable battery)
- Seat height adjustment through a geared mechanism
- Back angle recline
- Back height adjustment
- Variable seat length and width
- Adjustable arm height
- Headrest angle adjustment
- Adjustable positioning headrest (top split-wing moves forward and backward)
- Removable arms for side transfer
- Height adjustable, integrated flip-up footboard
- Footboard angle adjustment

Options for Seat Modules

- 200 Ramped
- 250 Ramped
- 300 Ramped
- 350 Ramped
- 200 Flat
- 250 Flat
- 300 Flat
- 350 Flat

Standard Specification

- Seat widths 200mm, 250mm, 300mm, 350mm
- Variable seat height (from seat to footboard) 235mm-375mm



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- Variable seat length 210mm-310mm
- Tilt-in-space Horizontal to 40° backwards tilt
- Back angle recline 55° - 120° (where 90° = vertical)
- Back height adjustment 490mm-665mm in 30mm increments
- Adjustable arm height (from seat to arm top) 140mm-240mm
- Overall length 900-1320mm
- Overall width 570mm-640mm
- Seat Height (from floor) 430mm-530mm

- **Weight limit 57kg/9 stone**

Points to Note

- The chair is charged through the handset controller
- There is an audible warning when the battery life is getting low
- For Duo Mini back heights over 490mm an extra waterfall cushion is required to complete the back.

Duo Mini Accessories

- Lateral supports
- Pommel
- Arm Covers
- Loose cover for seat module (replacement)
- Extra waterfall cushion for Duo Mini back heights over 490mm
- Footboard Cover (replacement)
- Flat seat board
- Ankle Huggers
- Tray with Straps
- Pelvic Positioners
- Lap-Belt

Sales Advice

Material Coverings

- **Direct upholstery only – No loose covers available except on seat module and arms**
- All stock vinyls and Panvelle Stretch for direct upholstery

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Waterfall Back Cushions

- The waterfall back cushions have zip access to either increase or reduce the Dacron filling to vary the support required.
- If it is necessary to remove any Dacron then a small slit will have to be made in the fibre bag that holds the filling. This will not affect the integrity of the cushioning just be cautious when zipping and unzipping the bag not to catch any fibres in the zipper.
- To increase the filling in the cushion Dacron can be added by unzipping and adding in further filling. Again caution should be taken when zipping and unzipping the bag not to catch any fibres in the zipper.

Seat Height

- The seat height of the Duo Mini chair can be adjusted by a geared crank facility that is located on the lower right hand side of the chair frame beneath the arm panel.
- The geared crank facility has proved exceptionally useful when the chair is being used for more than one individual or should you wish the chair to be moved under a table, for example. It also means that the seat height can be stopped anywhere in the height adjustment range.

Flip-up Footrest

- Provides support and positioning for the feet.

Tray

- The tray with straps is advisable to fit at time of manufacture.
- Can be fitted retrospectively.

Braked Wheels

- Braked wheels at the front are not recommended as they foul on the legrest.

Materials Used

Intelli-Gel

Use: High-Very high risk

Intelli-Gel has a soft elastomer, honeycomb structure that contours gently to large surface areas distributing weight evenly. The properties of Intelli-Gel enable it to retain



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its core temperature therefore it does not heat up when in use retaining its structure and reducing the susceptibility to tissue breakdown. The material is breathable.

Reflexion Foam

Use: Medium-High risk

Reflexion is an impressive foam that moulds itself to the contours of the user, this helps to spread the body weight more evenly across a greater surface area.

Reflexion foam from Vitafoam comprises of two distinct layers that carry out different but equally important functions. The upper layer of viscoelastic foam responds to body heat and reflects the body's contours whilst the supporting layer of Reflex foam provides support and flexibility.

Transflo Gel Cushion

Use: Medium-High risk

The Transflo pressure cushion incorporates two fluid-filled, vapour-permeable, multi-stretch sacs that are encased within a supportive heavy-duty foam surround.

The fluid is able to move between the two compartments as the cushion contours to the body's shape and position redistributing pressure over the widest surface area possible.

Endorsment

To ensure that the design and functionality of the Duo chairs would meet the diverse needs of the client group in question, Kirton worked closely with and are thankful to many partners and colleagues.

“The Kirton Duo chairs, supported by W.Munro (Rehab) Ltd and developed for clinical needs in conjunction with Joyce McDonald, Occupational Therapist and Moira Dewar, Physiotherapist, Fife-wide Postural Management Service (a Joint Fife Council Social Work and NHS Fife Service) in Fife, Scotland.”