

RT55-2021

ANNEXURE E3

OCCUPATIONAL THERAPY

TECHNICAL SPECIFICATIONS

RT55-A-13 : SPLINT PAN (5-10 LITRES)

Description

A device used for moulding thermoplastic splinting materials by means of hot water during therapy sessions, generally but not limited to hand therapy.

Technical Specification

Concealed heating element with a perforated tray with non-stick liner to prevent splinting material from adhering to pan base

Should not have water circulated or causing a flow current

have built in syphon drainage

lid with insulated plastic handles for safe removal (if lid is stainless steel)

Must be made of stainless steel

Maximum boiling temperature

Adjustable thermostat controls with thermometer on control panel & indicator light.

Must be durable and rust proof

Electrical cord with SA compatible 3 pin plug, 220 -250 Volt,Electrical cord with SABS approved standard

CE marking standard or equivalent

Approximately size of 5-10 litres

Minimum internal dimensions 330mm x 200mmx 100mm.

Accessories:

Spatula

Perforated tray

Non stick liner

For commissioning purposes suppliers must supply 10cm x10cm thermo materials

Optional

Digital

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-14 : SPLINT PAN (11-20 LITRES)

Description

A device used for moulding thermoplastic splinting materials by means of hot water during therapy sessions, generally but not limited to hand therapy.

Technical Specification

Concealed heating element with a perforated tray with non-stick liner to prevent splinting material from adhering to pan base

Should not have water circulated or causing a flow current

have built in syphon drainage

lid with insulated plastic handles for safe removal (if lid is stainless steel)

Must be made of stainless steel

Maximum boiling temperature

Adjustable thermostat controls with thermometer on control panel & indicator light.

Must be durable and rust proof

Electrical cord with SA compatible 3 pin plug, 220 -250 Volt, Electrical cord with SABS approved standard

CE marking standard or equivalent

Approximately size of 11-20 litres

Minimum internal dimensions 500mmx 300mm x 180mm

Accessories:

Spatula

Perforated tray

Non-stick liner

For commissioning purposes suppliers must supply 10cm x10cm thermo materials

Optional

Digital

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-15 : SPLINT PAN (21-35 LITRES)

Description

A device used for moulding thermoplastic splinting materials by means of hot water during therapy sessions, generally but not limited to hand therapy.

Technical Specification

Concealed heating element with a perforated tray with non-stick liner to prevent splinting material from adhering to pan base

Should not have water circulated or causing a flow current

have built in syphon drainage

lid with insulated plastic handles for safe removal (if lid is stainless steel)

Must be made of stainless steel

Maximum boiling temperature

Adjustable thermostat controls with thermometer on control panel & indicator light.

Must be durable and rust proof

Electrical cord with SA compatible 3 pin plug, 220 -250 Volt, Electrical cord with SABS approved standard

CE marking standard or equivalent

Approximately size of 20-35 litres

Minimum internal dimensions 700mm x 500mm x 200mm

Accessories:

Spatula

Perforated tray

Non-stick liner

For commissioning purposes suppliers must supply 10cm x10cm thermo materials

Optional

Digital

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-16 : HEAT GUN

Description

A device used in the construction of thermoplastic splints and warm up splinting material for adjustments.

Technical Specification

Electrical heat gun with adjustable variable temperature (50 - 600 deg C)

Air flow minimum 2000 watts

Flat base or built in safety stand

Compact and light weight with insulated ergonomically designed handle

Additional air gun nozzles for directed heat flow

Built-in self-cooling system

Automatic switch off during overheating

Must be supplied with various sizes and shapes of nozzles

On/off switch, which does not need to be held in during use

Accessories:

Spare reduction nozzles with a minimum of 3 with variety of sizes

Stand

Hard case

Minimum 2m electrical cord SA compatible with 3 pin plug, 220 -250 volts

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-17 : RETRACTABLE BLADE KNIFE

Description

A tool used for scoring/cutting thermoplastic material, masonite, tubing and similar materials.

Technical Specification

Durable, heavy duty, sharp stainless steel utility knife with quick change steel heavy duty blades that is retractable and locks into place to ensure safety.

Must be supplied with a pack of 5 blades

The knife handle must be curved and user friendly

Offers variable cut depth, with a thumb pad and ergonomically cutting angle and works with most standard utility blades.

Accessories:

pack of 5 blades

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-18 : GONIOMETER SET

Description

An instrument used to measure joint range of motion

Technical Specification

Set should include at least 4 commonly used goniometers in a carrying case with compartments that holds goniometers firmly in place:

A complete set must include the below:

a. Finger goniometer

Used to measure range of motion of the fingers.

Made of durable hard plastic

Must have 180 degrees scale marked in 1 degree increments that read in either direction.

Must be able to measure hyperextension of the finger (0 - 120° with hyperextension 0 - 30°)

Linear in inches and centimeters.

b. Goniometer 15-20cm

Used to measure range of motion of medium joints of the body.

Made of durable hard plastic

Must have 0-180° scale

Must have 1-2° degree increments (Rulong)

Must have linear in inches and centimeters

c. Goniometer 15-20cm

Used to measure range of motion of medium joints of the body.

Made of durable hard plastic

Must have 0-360° scale

Must have 1-2° degree increments

Linear in inches and centimetres

d. Goniometer 30 cm

Used to measure range of motion of large joints of the human body

Made of durable hard plastic

Must have 0-360° scale

Must have 1-2° degree increments

Linear in inches and centimetres

Accessory:

Carry case

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-19 : FINGER GONIOMETER (STAINLESS STEEL)

Description

An instrument used to measure joint range of motion

Technical Specification

Used to measure range of motion of the fingers.

Made of stainless steel.

Must have 180 degrees scale marked in 1 degree increments that read in either direction.

Must be able to measure hyperextension of the finger (0 - 120° with hyperextension 0 - 30°)

Linear in inches and centimeters.

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-20 : GONIOMETER 180° (15-20CM)

Description

An instrument used to measure joint range of motion

Technical Specification

Used to measure range of motion of medium joints of the body.

Made of durable hard plastic

Must have 0-180° scale

Must have 1-2° degree increments (Rulong)

Must have linear in inches and centimeters

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-21 : GONIOMETER 360° (15-20CM)

Description

An instrument used to measure joint range of motion

Technical Specification

Used to measure range of motion of medium joints of the body.

Made of durable hard plastic

Must have 0-360° scale

Must have 1-2° degree increments

Linear in inches and centimetres

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-22 : GONIOMETER (30CM)

Description

An instrument used to measure joint range of motion

Technical Specification

Used to measure range of motion of large joints of the human body

Made of durable hard plastic

Must have 0-360° scale

Must have 1-2° degree increments

Linear in inches and centimetres

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-23 : MOBILE POSTURE MIRROR (STEEL)

Description

A therapy tool used for visual feedback during mirror therapy and functional rehabilitation

Technical Specification

At least 4 four wheels, with swivel/ tilt mirror (0-360°) on a hinged frame with angle/mirror tilt lock mechanism.

Mirror to be made from minimum of 15mm toughened glass and have suitable backing.

Stand is made from durable powder coated steel allowing it to be cleaned and sterilized.

Rectangular mirror: Approximate dimensions: (W) 40-50cm (H) 1,5-2m.

Free standing on wheels

Made of durable material ,easy to clean and disinfect

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-24 : DESKTOP MIRROR

Description

A therapy tool used for visual feedback during mirror therapy and functional rehabilitation

Technical Specification

The mirror size must be at least 40cmx40cm LxH excluding the frame

Free standing on a desk

Must come with protective case

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-25 : MOBILE POSTURE MIRROR (WOOD)

Description

A therapy tool used for visual feedback during mirror therapy and functional rehabilitation

Technical Specification

At least 4 four wheels, with swivel/ tilt mirror (0-360°) on a hinged frame with angle/mirror tilt lock mechanism.

Mirror to be made from toughened glass with a minimum of 15mm and have suitable backing.

Stand is made from durable wood allowing it to be cleaned

Rectangular mirror: Approximate dimensions: (W) 40-50cm (H) 1,5-2m.

Free standing on wheels

RT55-A-32 : THERAPY FOAM ROLLERS

Description

Therapeutic tool used for functional physical rehabilitation

Technical Specification

High density foam rollers: in various sizes (long & round), multiple colours.

Cleanable quality leather or flame retardant vinyl.

Rollers are made of Polystyrene, covered with chip foam and cover.

Approximate dimensions:

- a. 90cm length and 50cm diameter
- b. 90cm length and 40cm diameter
- c. 90cm length and 30cm diameter
- d. 90cm length and 20cm diameter
- e. 90cm length and 15cm diameter
- f. 60cm length and 40cm diameter
- g. 60cm length and 30cm diameter
- h. 60cm length and 20cm diameter
- i. Not awarded
- j. 45cm length and 20 cm diameter
- k. 45cm length and 15cm diameter

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-33 : WIRE CUTTERS

Description

A tool for cutting outrigger wires on dynamic splints

Technical Specification

Heavy duty

handheld pliers (one hand use) intended for the cutting of wire

Durable hard plastic ergonomical handles, approximately 20cm in total length

Stainless /carbon steel blades

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-34 : UPPER EXTREMITY WORKSTATION

Description

Multi-functional therapeutic unit allowing simultaneous treatment of upper limb function of multiple clients .

Technical Specification

Upper extremity, four sided mobile workstation on lockable castors.

Workstation Features:

Two wheelchair accessible, height and angle adjustable side shelves

Slide-out rear shelf suitable for a seated client

Lockable double doors for security

Two pairs of height adjustable interior shelves
Sturdy construction with durable Formica work surfaces
Smooth-rolling, locking castors for easy mobility
Approximate dimensions: Height 99cm, Length 96cm and Depth 61cm.

Accessories:

Manipulation board
Shoulder abduction ladder
Bilateral sander
Stacking cones
Graded pegboard
Shoulder exercise ladder
Finger extension remedial game
Graded ROM arch
E-Z exerboard
Two-tiered horizontal bolt board

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-35 : SPLINTING SCISSOR (LEFT-HANDED)

Description

Tool used for cutting thermoplastic splinting material

Technical Specification

The tool must be designed for left-handed individuals

Heavy duty, high quality ultra-light weight scissors (spring action) with stainless steel blades and handles (handles insulated with durable heavy duty hard plastic).

Capable of cutting 3.2 mm splinting material evenly and cleanly when heated and 1.6 mm splinting material when cold, leaves a smooth edge.

20cm long, enlarged bottom handle to fit 4 fingers and locking mechanism when not in use.

Ergonomic friendly handle.

Left handed handle

high quality ultra-light weight scissors (spring action) with stainless steel blades and handles (handles insulated with durable heavy duty hard plastic)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-36 : SPLINTING SCISSOR (RIGHT-HANDED)

Description

Tool used for cutting thermoplastic splinting material

Technical Specification

The tool must be designed for right-handed individuals

Heavy duty, high quality ultra-light weight scissors (spring action) with stainless steel blades and handles (handles insulated with durable heavy duty hard plastic).

Capable of cutting 3.2 mm splinting material evenly and cleanly when heated and 1.6 mm splinting material when cold, leaves a smooth edge.

20cm long, enlarged bottom handle to fit 4 fingers and locking mechanism when not in use.

Ergonomic friendly handle.

Right-handed handle

high quality ultra-light weight scissors (spring action) with stainless steel blades and handles (handles insulated with durable heavy duty hard plastic)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-37 : HYDRAULIC HAND DYNAMOMETER

Description

An instrument used for assessing grip strength

Technical Specification

Offers accurate and repeatable grip strength readings.

The unit has an adjustable 5-position handle.

Maximum strength indicator remains after each reading until reset.

Registers in pounds and kilograms.

Approximate Dimensions: 28cm x 10cm x 20cm

Features include:

Dual scale readout displays isometric grip force from 0 to 90 kg

Handle which is easily adjustable to five grip positions from 35mm to 87mm in 13mm increments

Hard plastic carrier case for storage

Calibration certificate and norm ranges

Made of durable and sturdy material

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-38 : HAND EVALUATION KIT

Description

A set of instruments used to test grip strength and other components of hand function

Technical Specification

Kit includes: hydraulic hand dynamometer, pinch gauge, finger goniometer, Sensory evaluator hand kit, Two point Discriminator, Tape measure, finger circumference gauge (cm reading).

Hydraulic hand dynamometer:

Maximum strength indicator remains after each reading until reset.

Registers in pounds and kilograms.

Approximate Dimensions: 28cm x 10cm x 20cm

Reliable grip force evaluations with adjustable handles which can be placed in 5 grip positions from 35mm to 87mm in 13mm increments to accommodate the hand size.

To include calibration certificate and norm ranges.

Hydraulic pinch Gauge:

It offers accurate and repeatable pinch strength readings (tip, key and palmer).

Maximum strength indicator remains after each reading until reset.

Registers in pounds and kilograms.

Approximate Dimensions: 13cm x 5cm x 6cm

To include calibration certificate and norm ranges.

Finger goniometer:

6' stainless steel finger goniometer

Has 180 degrees scale marked in 1 degree increments that read in either direction.

Linear in inches and centimeters.

Must be able to measure hyperextension of the finger. (0 - 120° with hyperextension 0 - 30°)

Sensory evaluator hand kit

5 piece sensory evaluator kit

Each evaluator is individually calibrated within a 5% standard deviation of a predetermined level of force

The sensory evaluator handles are marked with the corresponding color-coded pressure level

The following colour coded pressure levels must be included: 2.83, 3.61, 4.31, 4.56, 6.65

A small carry case must be included for storage

Two point Discriminator

Consists of two sturdy, rotating, plastic disks that are joined together

Rounded tips are spaced at standard testing intervals from 1 to 15mm apart

A 20 and 25mm spacing are also given

One disk setting tests from 1 to 8mm. To change to the 9 to 15mm disk setting, simply rotate the top disk until it clicks in place.

Instructions included

Tape Measure

Small, compact measuring tape used to measure the circumference of the digits and hand

Measures in inches and centimetres

Must be flexible to wrap around the digit/ hand

Must be retractable

Measures up to a minimum of 1 metre

Finger circumference gauge reading

Used to measure the circumference of a finger

Finger circumference gauge webbing loop wraps around the finger and the circumference is read off the ruler

Must be measured in inches and centimetres

Accessories

Hard carry case for storage of the 7 piece kit

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-39 : HYDRAULIC PINCH GAUGE

Description

Instrument used to test grip strength and other components of hand function

Technical Specification

It offers accurate and repeatable pinch strength readings (tip, key and palmer).

Maximum strength indicator remains after each reading until reset.

Registers in pounds and kilograms.

Approximate Dimensions: 13cm x 5cm x 6cm

To include calibration certificate and norm ranges.

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-40 : FINGER GONIOMETER

Description

Instrument used to test grip strength and other components of hand function

Technical Specification

6' stainless steel finger goniometer

Has 180 degrees scale marked in 1 degree increments that read in either direction.

Linear in inches and centimeters.

Must be able to measure hyperextension of the finger. (0 - 120° with hyperextension 0 - 30°)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-41 : SENSORY EVALUATOR HAND KIT

Description

A set of instrument used to test grip strength and other components of hand function

Technical Specification

5 piece sensory evaluator kit

Each evaluator is individually calibrated within a 5% standard deviation of a predetermined level of force

The sensory evaluator handles are marked with the corresponding color-coded pressure level

The following colour coded pressure levels must be included: 2.83, 3.61, 4.31, 4.56, 6.65

A small carry case must be included for storage

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-42 : TWO POINT DISCRIMINATOR

Description

Instrument used to test grip strength and other components of hand function

Technical Specification

Consists of two sturdy, rotating, plastic disks that are joined together

Rounded tips are spaced at standard testing intervals from 1 to 15mm apart

A 20 and 25mm spacing are also given

One disk setting tests from 1 to 8mm. To change to the 9 to 15mm disk setting, simply rotate the top disk until it clicks in place.

Instructions included

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-43 : TAPE MEASURE

Description

A set of Instrument used to test grip strength and other components of hand function

Technical Specification

Small, compact measuring tape used to measure the circumference of the digits and hand

Measures in inches and centimetres

Must be flexible to wrap around the digit/ hand

Must be retractable

Measures up to a minimum of 1 metre

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-45 : FINGER CIRCUMFERENCE GAUGE READING

Description

A set of Instrument used to test grip strength and other components of hand function

Technical Specification

Used to measure the circumference of a finger

Finger circumference gauge webbing loop wraps around the finger and the circumference is read off the ruler

Must be measured in inches and centimetres

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-47 : THERAPY WEDGES

Item Description

Therapeutic tool used for functional physical rehabilitation

Technical Specification

Therapy wedges: in various sizes (triangular), multiple colours.

Wedges are made of Polystyrene, covered with foam and cover.

Upholstered surface made with imitation leather upholstery or vinyl, contains no phthalates and is flame retardant.

Easy to clean.

Durable and light weight.

Tumble form coating.

At least one angle must be 90 degree

Fluid resistant (medical grade water resistant)

To include the following approximate sizes:

- a. Small
- b. Medium
- c. Large

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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