Assessment Tools

118 - 123  Strength
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135 - 138  Function, Perceptual & Cognitive Assessment
In today’s health care environment, accurate and objective data is required for reimbursable rehabilitation services, making the JAMAR Hydraulic Hand Dynamometer an indispensable tool. Ideal for routine screening of grip strength and initial and ongoing evaluation of clients with hand trauma and dysfunction. Virtually leak proof hydraulics and isometric design ensure accurate, reproducible results and years of reliable service. Built to last, a shock resistant rubber cap protects the stainless steel gauge and a wrist strap prevents accidental damage if dropped. Unit comes with carrying/storage case and complete instructions. One year warranty. The warranty does not cover calibration.

The JAMAR Hydraulic Hand Dynamometer combines precision with convenient features:
- Dual scale readout displays isometric grip force from 0 to 90kg (0 to 200lbs).
- Peak hold needle automatically retains the highest reading until reset.
- Handle easily adjusts to five grip positions, from 35 to 87mm (1 3/8 to 3 3/8”), in 13mm (1/2”) increments.

At minimum, an annual calibration and tune up is recommended to ensure long term accuracy of the unit.

5030J1

This handy wall chart is a great addition to any clinic. Large print displays the normative grip strength data for individuals from 6 to 75+ years old as collected by Virgil Mathiowetz, et al. using a JAMAR Hand Dynamometer. Instructions for proper testing procedures are also included. Laminated, high quality, heavy paper with metal grommets in each top corner assures many years of use from this chart. Measures 46 x 61cm (18 x 24”). Norms shown in kilograms.

09 115 9490
1. JAMAR® PLUS+ DIGITAL HANDDYNAMOMETER

Ideal for routine screening of grip strength and initial and ongoing evaluation of clients with hand trauma and dysfunction. Body constructed from aluminium with a scratch resistant UV coating. The readout displays isometric grip force from 0 - 200lbs. (90kg). The unit's easy-to-read LCD display can be set to display pounds or kilograms. The dynamometer also features Digital Load Cell Technology, Rapid Exchange Testing with audible signals and automatically calculates the Average, Standard Deviation and Coefficient of Variation. With a low battery light indicator and a two-minute automatic shut off feature it helps conserve the battery power. Uses two AAA batteries. Comes in a reusable storage container.

09 117 8458

2. JAMAR® HAND EVALUATION KIT

All the basics for hand and finger evaluation, in one convenient package. Kit includes one each of:
- JAMAR Hydraulic Hand Dynamometer, 5030J1
- JAMAR Hydraulic Pinch Gauge, 749805
- JAMAR 140mm (5½”) Steel Finger Goniometer

Comes in a convenient storage/carrying case with individual compartments for each instrument.

5030KIT

1 YEAR WARRANTY
"Assessment Tools"

Baseline® Hydraulic Hand Dynamometer
Used to assess hand grip strength. Baseline and JAMAR dynamometer measurements are interchangeable, permitting use of previously collected data. Increase grip spacing using five positions, 35 to 87mm (13/8 to 33/8”). Tests strength to 90kg. Adult norms included. Moulded hard-plastic case. 3 year warranty.
AA72910

Baseline® Digital Hand Dynamometer
Using the same hydraulic system as the manual pinch gauges but has the added advantage of an easy to read LCD display. This version features an electronic zero calibration system that reduces the need for factory recalibrations, a power management system that assures at least 1000 hours of use without changing the two AAA batteries, a low battery light and an automatic shut off. Tests to 135kg (297.5lb). Push button console includes a button to zero the last maximum reading stored in memory, a maximum button to display the highest reading since the last press of the maximum clear button, and a lb/kg toggle button to change the measurement reading. Carry case included.
AA9647

Baseline® 3-piece Hand Evaluation Kit
Portable carrying case contains all instruments necessary to evaluate the strength and range of motion of the hand and fingers. Set includes:
- Digital Hand Dynamometer (AA9647)
- Hydraulic Pinch Gauge (AA9648)
- 6” Stainless Steel Goniometer

09 118 4654

Baseline® 3-piece Wrist Evaluation Kit
Portable carrying case contains all instruments necessary to evaluate the strength and range of motion of the wrist and forearm. Set includes:
- Wrist Inclinometer
- Analogue Wrist Dynamometer (AA9639)
- Door Knob Grip

09 118 4787

Baseline® 7-piece Hand Evaluation Kit
A seven piece complete set of instruments needed for hand evaluation. Includes the following:
- Baseline Hydraulic Hand Dynamometer
- 13.6kg (30lb) Pinch Gauge
- Stainless Steel Finger Goniometer
- Two Point Discriminator
- Wartenburg Pinwheel
- Finger Circumference Gauge
- Functional Finger Motion Gauge

Sold with a carrying case.
AA44140

Baseline® 8-piece Evaluation Kit
Set contains:
- Hydraulic Hand Dynamometer (AA72910)
- Hydraulic Pinch Gauge (7486)
- Finger Goniometer
- Finger Circumference Gauge
- 180° 6” Plastic Goniometer
- Measuring Tape
- 2-point Disk-Criminator
- 5 piece Touch Test Sensory Evaluators

09 118 4662
Baseline® Push/Pull Dynamometer
A simple easy to use, ergonomically designed instrument that objectively measures push, pull and lift forces for manual muscle testing, functional capacity evaluation and job task evaluation. The equipment is lightweight and portable and enables you to perform precise, objective evaluations in your office, at the client’s location, or in the field. The dynamometer itself can test small forces and the attachable single or dual grip handle can be used when measuring larger forces. The hydraulic dynamometer can also be used with lift platform to perform lifting evaluation. Each dynamometer comes with three push pads (padded curved, padded straight, and 1cm² circular), one pull hook and one snap lock hook. Sold with cushioned carrying case and muscle test manual. One-year warranty. Analogue (dial) readout.

Hydraulic Push/Pull Dynamometer
AA9609 22.5kg (50lb)
AA9633 45kg (100lb)
AA9634 115kg (250lb)
AA9635 225kg (500lb)
Optional Accessories
Handles
AA9636 Single Grip Handle Accessory for Wrist Dynamometer
AA9637 Dual Grip Handle Accessory for Wrist Dynamometer
Functional Lift Base
AA9638 Large Platform Lift Base Push/Pull Dynamometer Accessory - 61 x 61cm

Baseline® Hydraulic Wrist/Forearm Dynamometer
With the hydraulic wrist/forearm dynamometer you can simply and accurately measure strength of the wrist muscles during flexion, extension, abduction and adduction and the forearm muscles during supination and pronation. In addition to muscle strength evaluations, the amount of force (torque) needed, for example, to remove the cap from a jar or open a doorknob can be measured by using the “doorknob grip” that is included with the dynamometer. Other grips are available as optional accessories. Grips are easily interchangeable. Includes doorknob grip, mounting bracket and case. Analogue (dial) readout.

AA9639
Optional Accessories
AA963901 Lever Handle
Strength

1. **JAMAR® Smedley Hand Dynamometer**
   - Spin handle increases or decreases grip width as needed.
   - Scale dial remains at the maximum reading. Calibrated to 100kg (220lbs). Includes instructions, norms and Client Record Charts.
   - Comes in an attractive storage/carrying case. Latex free.
   - AA964901

2. **LaFayette Electronic Manual Muscle Tester**
   - Scientifically and accurately measure muscle strength with this microprocessor controlled muscle tester. Records in pounds or kilograms. Measures peak force and time to reach peak. Easy to read graphical LCD display. Stores data in on-board memory with browsing capability for up to 52 trials. Manual or automatic reset and storage of data. Built-in automatic calibration routine verifies calibration at 0, 11.4, and 22.8kg, (0, 25, and 50lbs) and assures consistent reliability. Variable trial length of 1 to 10 seconds can be set in 1 second increments, and audible tone cues user. An interactive menu allows easy choice of options. Tester comes with three interchangeable easy to clean moulded plastic stirrups with pads. Uses one lithium battery with a life of 80 to 85 hours, and has low battery indicator (unit operates 10 to 12 hours after indicator activates). Battery included.
   - Size: approx. 7.5 x 10 x 4cm (3 x 4 x 1.5”). Weight: approx. 260g.
   - Up to 136kgs measurement range.
   - Force Measurement
     | Range   | Accuracy      | Resolution |
     |---------|---------------|------------|
     | 0-22kg  | ±0.23kg (0.5lb) | 45g (0.1lb) |
     | 0-136kg | ±0.45kg (1.0lb) | 180g (0.4lb) |
   - 926644

3. **Baseline® Pneumatic Squeeze Dynamometer**
   - The Baseline® Squeeze (bulb) dynamometer is the cost effective way to measure hand and finger strength. It has a reset feature that remains at the maximum reading until rest. It is calibrated in pounds-per-square inch (PSI). Bulb contains natural rubber.
   - 09 118 4365 15 psi
   - 09 116 6669 30 psi

4. **Baseline® Pneumatic Bulb Hand Dynamometer/ Pinch Gauge**
   - For measuring hand strength, even where grasping power has been severely impaired or other disabilities inhibit gripping effort. It is lightweight and should be used when accuracy and repeatability are required. Maximum reading remains until reset. The smallest bulb may be used for children and to test pinching function of intrinsic muscles. Scale is calibrated in an international unit of energy (bars). Includes carrying case with instructions. Bulb contains natural rubber latex.
   - AA96001
**Assessment Tools**

**Baseline® 45kg (100lb) Digital Pinch Gauge**

Unlike conventional pinch gauges, the JAMAR Hydraulic Pinch Gauge’s unique design frees the client to perform a true pinch pattern because the therapist, not the client, supports the weight of the gauge. A highly accurate pinch force measurement, devoid of artifact, is the result. Red indicator needle remains at maximum reading until reset. Measures pinch force to 20kg (45lbs). Includes instructions, handy carrying case and one-year warranty.

749905

**Baseline® Pinch Gauge**

This precision instrument records isometric lateral, chuck or tip pinch in kilograms and pounds. The body is made of rugged anodised aluminium with a nylon strap for the examiner’s wrist. The red pointer stops at the maximum pinch recorded for the highest degree of accuracy. Pinch jaws are 22mm wide and approximately 19mm thick. Includes carrying case.

Three-year warranty.

AA9650 Gold 0-0.9kg (2lb)
927009 Silver 0-4.5kg (10lb)
7486 Blue 0-13.6kg (30lb)
7485 Red 0-27kg (60lb)
AA9619 Plastic Case

**B&L™ Pinch Gauges**

Precision gauges are the recognised standards for measuring isometric tip, key and palmar pinch strength. The 4.5kg and 13.6kg gauges are easier to read when measuring weak hands. The 27kg gauge is ideal for work hardening programmes. Pinch jaws are approximately 22mm wide and 19mm thick. Pinch strength norms for adults included.

Gauge and case sold separately.

A8533 Gauge 0-4.5kg (10lb)
A8531 Gauge 0-13.6kg (30lb)
A8532 Gauge 0-27kg (60lb)
A8534 Plastic Case

**Finger Motion Gauge**

Quick, simple measurements of composite finger flexion and finger-thumb opposition. Scales measure up to 10cm (4”). Latex free.

AA963905
### Measurement

**Assessment Tools**

**Scolimeter**

Measures six areas to detect scoliosis, and provides three measurements to detect abnormal anteroposterior curves. Evaluates progress during treatment, without X-rays. Measures the unstable lumbosacral curve as well as the cervical and thoracic curves. Calibrated in centimetres, millimetres and degrees. Latex free.

AA96007

**Anthropometers**

Aluminium in construction, it uses a spring-loaded ball bearing in a sliding C-shaped arm to provide accurate and precise measurement. The large anthropometer has a range of 0 to 60cm in 0.1 cm increments, and allows for measuring of shoulder width, long bone length and chest depth for tracking growth and development of children or for use in motion analysis studies. The small anthropometer has a range of 0 to 30cm in 0.1cm increments allows for measuring of wrist, elbow, knee and ankle widths, as well as measuring smaller muscle masses like the bicep and calf. Latex free.

555568 Large

555570 Small

**CROM (Cervical Range of Motion Instrument)**

Provides accurate, repeatable measurements of cervical movement and the objective data that third party payers require. The CROM combines AMA required inclinometers and magnets in an easy to use instrument. Eliminates positioning, zeroing and tracking errors common with stand-alone inclinometers. Allows rotation movements in upright position. Standardised protocol minimises chance for examiner error. Comfortable, lightweight frame positions easily and securely with hook and loop fastener straps. CROM comes complete with manual, normal values, magnetic yoke and convenient storage case.

5060

**AccuAngle Goniometer**

Inclinometer is graduated in 2° increments on both sides. Large numbers, adjustable legs and ergonomic design allow measurement from small landmarks. Ideal for measuring and standard recording using the neutral zero method. Includes storage case. Latex free.

AA96004

**Baseline® Inclinometer**

Gives readings for flexion, extension, abduction and adduction, as well as rotation in the neck, shoulder, elbow, wrist, hip, knee, ankle and spine. Gives 1° increments of measurement. Pocket size. Latex free.

AA96005

**Wrist Inclinometer**

Measures forearm pronation and supination. Designed to reduce extraneous variables currently found with goniometric measurements of forearm motions. Provides accurate information when used according to the included instructions. Easy to read 360° protractor dial has 5° increments of measurement. Latex free.

09 116 6719
Assessment Tools

1. **JAMAR® Medical Skinfold Caliper**
   Spring-loaded caliper arms provide standard pressure for measuring skinfolds in nutrition, fat distribution, children’s growth, anthropometry and other applications. Readings up to 60mm. Sturdy construction of lightweight aluminum ensures years of reliable use. Features a contoured handgrip with safety strap handle. Comes with protective carrying case and manual. Latex free.
   AA960013

2. **Martin Breadth Caliper**
   Use for accurate breadth readings of chest, shoulder, pelvis, etc. 51cm. Marked in inches and centimetres.
   AA9688A

3. **Harpenden Skinfold Caliper**
   The Harpenden Skinfold Caliper is one of the most up to date and versatile calipers on the market. Used correctly it will give good service and reliable results for many years and, in order that optimum results are obtained, we suggest strongly that you read your manual thoroughly even if experienced in the use of this type of equipment.
   09 123 0036

4. **Seca Circumference Tape**
   This circumference measuring tape is of great use in a wide range of applications. From pediatrics to overweight patients or those at risk of thrombosis. With automatic roll up suitable for measuring head, limbs and body.
   • Supplied in packs of 10
   • Measuring range: 15 - 200cm
   • Graduations: 1mm
   AA9665

5. **Baseline® Circumference Tape**
   Measure the circumference of a joint or digit. Wrap webbing around the finger and read circumference directly from the ruler. Measure by yourself: simply make a loop, position loosely around waist, wrist or area being measured, and press button. Measuring tape will stay in place securely, while you have two free hands to make adjustments and record measurements.
   AA9660
**Measurement**

**Assessment Tools**

1. **Buhl Spirometer**
   This lightweight, cost-effective spirometer utilises disposable mouthpieces to facilitate screening large groups. Indicator needle records forced vital capacity up to 7 litres and stays at peak reading until reset. Ideal for use as an incentive exerciser for clients with respiratory dysfunction. Weighs 6oz. Latex free. Comes with 50 disposable mouthpieces.
   AA960011  Buhl Spirometer
   AA960012  Replacement Mouthpieces - Pack of 100

2. **Foot Volumeter Set**
   Measures changes in foot oedema. For quick, precise measurement just fill the volumeter with water, immerse the client’s affected extremity and measure the overflow in the graduated cylinder provided. Made from heavy-duty materials with solvent welded and lead-proof joints. Includes receiver cup. Latex free.
   09 116 3203

3. **Hand Volumeter Set**
   Designed following specifications of Paul Brand, MD, volumeter accurately measures hand and distal forearm oedema for objective monitoring of oedema-reducing treatments. Oedema levels are measured by measuring the fluid overflow resulting from immersion of the injured hand in the volumeter tank. Set includes 9 x 13 x 28cm volumeter tank, receiver to catch overflow, and a 500ml graduated cylinder to allow precise measurement of water displacement.
   A8611
**1. Cardiology III Stethoscope**
Outstanding acoustics with an adult and paediatric chest piece. Employs patented tuneable diaphragms on both sides of the chest piece. Incorporates two tubes into a single tube design to eliminate noise artefact from the tubes rubbing together. Non chill rim. Comes with extra set of soft sealing and firm ear tips. 5-Year Warranty.
09 122 6810

**2. Duplex**
The Duplex is the high grade Reister quality stethoscope with precision double chest piece. The acoustic performance has been considerably improved. Overall length: 77cm
- Double chest piece available in three versions: stainless steel, chromium plated brass or particularly light anodised aluminium
- Special membranes for perfect auscultation, diameter 48mm, with extra flat non-chill ring to adapt ideally to the skin
- Bell diameter: 36mm
AA9670

**3. Double Stethoscope**
This double ended stethoscope features high quality acoustic sounds and optimum user and patient comfort. It is an effective and versatile stethoscope that delivers high quality results.
09 122 3338

**4. Deluxe Physio-Med Stainless Steel Stethoscope**
The Physio-Med S601 Stethoscope offers high quality and value. This adult type dual head stethoscope has superflex inner spring binaural tubing assembly and non-chill rings.
09 133 4531
1 **Baseline® Tuning Forks (Set of 6)**

Evaluate hearing and vibratory sensation. Set of 6 of the most commonly used frequencies contains the following tuning forks (128, 256, 512, 1024, 2048, 4096 cps).

AA9659

2 **Tuning Forks**

Designed for sensory evaluation. Determines peripheral nerve injury loss or retention. 128 cycle fork tests the mid range and the 226 cycle fork tests the high end.

AA9631  128cps
AA9632  226cps

3 **Gardiner Brown Tuning Fork**

Ideal for sensory testing. Assesses your patient’s ability to feel vibration perception through the distal aspects of the body.

09 125 1958  128hz

4 **Rydel Seiffer Tuning Fork**

The Rydel Seiffer Tuning Fork is ideal for sensory testing for your patients suffering from diabetes and screens those who maybe susceptible to high risk foot complications. This diabetic tuning fork assesses the patient’s ability to feel vibration perception through the distal aspects of the body. This neurological Rydel Seiffer Tuning Fork vibrates at C 64Hz / C 128hz and is ideal for detecting impaired vibration sensitivity known as pallesthesia. It is also used to diagnose the nerve disease polyneuropathies, as one of the symptoms is reduced vibration sensitivity and is common in those with diabetes.

09 125 1966
1 **Taylor Percussion Hammer**
Traditional style with 19cm (7½”) long chrome plated handle for sure grip with triangular rubber head for reflex testing.

AA9627

2 **Buck Neurological Hammer**
A quality 19.5cm (7½”) long chrome-plated handle and holder for dual head rubber tips. Comes complete with brush and needle.

AA9628

3 **Stainless Steel Reflex Hammer**
Heavy duty Reflex Hammer with secured contoured head, concealed brush with slide lock. Needle length 20 cm.

09 133 6619
Assessment Tools

**Wartenburg Stainless Steel Pinwheel**
This pinwheel is designed for evaluation of cutaneous sensory and pain perception responses. Made of stainless steel, it can be sterilised to ensure safe use on each client. 16.5cm length with 2.5cm diameter head.
7532

**Disk-Criminator**
Diagnostic instrument tests both static and moving one and two point discrimination. Set includes two plastic disks, each containing a series of metal rods, spaced at varying intervals from 1mm to 25mm. Useful for measuring the innervation density of any surface area following nerve injury and repair, and for testing areas of skin before and after skin grafts. Also useful for home programmes as a sensory re-education tool. Fabric storage pouch and instructions included.
7524

**Baseline Discrim-A-Gon™ 2-point Discriminator**
The Discrim-A-Gon™ consists of 2 separate 2-point discrimination octagons (D1 and D2). Each octagon measures a different range of 8 labelled fixed 2 point intervals ranging from 1mm – 25mm for accurate and consistent measurements. Easy-to-use, lightweight plastic wheel is the perfect sensory evaluation tool to test static and dynamic 1 and 2 point discrimination.
09 118 2997

**Baseline™ Two and three Point Discriminator**
AA9661  A Two Point
AA9662  B With Third Point

**Touch-Test™ Two Point Discriminator**
Consisting of two rotating, plastic disks that are joined together. Tests static and moving two point discrimination of fingers, toes or sensory flaps. Ideal for testing following nerve repair, grafts and innervated tissue transfer for desensitisation or to deter the level of impairment. Rounded tips are spaced at standard testing intervals from 1 to 15mm apart. A 20 and 25mm spacing are also given. Includes instructions and a protective carry case.
557024
1. **Jamar Monofilaments**

Accurately and conveniently measure threshold of cutaneous sensory perception. Distinguish between normal, diminished light touch, diminished protective sensation, loss of protective sensation, and untestable. Each set comes complete with colour-coded, number-engraved monofilaments, instructions, and plastic foam-padded carrying case.

- **09 142 4217** Complete Hand Monofilaments Kit
  (2.83, 3.61, 4.31, 4.56, 6.65)
- **09 142 4274** Pad of 100 Hand Documentation Forms

**Jamar Replacement Monofilaments**

- **09 142 4316** 0.008 grams Size 1.65
- **09 142 4332** 0.02 grams Size 2.36
- **09 142 4357** 0.04 grams Size 2.44
- **09 142 4373** 0.07 grams Size 2.83
- **09 142 4399** 0.16 grams Size 3.22
- **09 142 4415** 0.4 grams Size 3.61
- **09 142 4431** 0.6 grams Size 3.84
- **09 142 4456** 1.0 grams Size 4.08
- **09 142 4472** 1.4 grams Size 4.17
- **09 142 4498** 2.0 grams Size 4.31
- **09 142 4514** 4.0 grams Size 4.56
- **09 142 4530** 6.0 grams Size 4.74
- **09 142 4555** 8.0 grams Size 4.93
- **09 142 4571** 10.0 grams Size 5.07
- **09 142 4597** 15.0 grams Size 5.18
- **09 142 4613** 26.0 grams Size 5.46
- **09 142 4639** 60.0 grams Size 5.88
- **09 142 4654** 100.0 grams Size 6.10
- **09 142 4670** 180.0 grams Size 6.45
- **09 142 4696** 300.0 grams Size 6.65

2. **WEST™ Hand and Foot Monofilaments**

Providing reliable test results. Weinstein Enhanced Sensory Test (WEST) for the Hand and Foot, uses five monofilaments to measure skin sensitivity and determine peripheral nerve involvement. WEST Hand and Foot provides reliable test results with textured, round monofilament tips. Measures 15 x 7.6cm in the storing position. Includes case 11 x 17cm, test forms, manual and free calibration for one year.

- **A835100** Hand
- **A835101** Foot

3. **Semmes-Weinstein Monofilaments**

The use of the Rolyan Semmes-Weinstein monofilaments has been found through repeated testing to be an extremely accurate method of measuring cutaneous sensibility (Bell, 1978). Each nylon filament is precisely calibrated and all are of equal length. A set of five monofilaments and individual replacements are also available. Instructions included.

- **A8351** Set of 20 Monofilaments
- **A8352** Set of 5 Monofilaments - includes one each of 2.83, 3.61, 4.31, 4.56 and 6.65

4. **Touch-Test™ Sensory Evaluators**

Accurately and conveniently measure threshold of cutaneous sensory perception. Distinguish between normal, diminished light touch, diminished protective sensation, loss of protective sensation, and untestable. Each set comes complete with colour-coded, number-engraved monofilaments, instructions, and plastic foam-padded carrying case.

- **09 116 3229** Hand Kit Set 5
- **09 116 3237** Foot Kit Set 6
- **09 116 3245** Monofilaments Set Of 20
- **09 116 3252** Set Of 100 Hand Doc Forms
- **09 116 3260** Set Of 100 Foot Doc Forms
Use to evaluate posture. The plastic posture grid 63.5 x 122cm (25 x 48") can be suspended from the ceiling or wall bracket. The set includes a suspension cord and a plumb bob to measure alignment.

Objectively measure and document thoracic and lumbar range of motion. The height-adjustable goniometer allows users to align it with the client’s L4 and L5 axis points for reliable, precise measurements. Allows measurement of lateral flexion, forward flexion and extension of the spine. Comes with instructions.

Ideal for difficult-to-measure cervical rotation, lateral flexion of the head and anterior-posterior cervical flexion. Bubble level ensures measurement on the horizontal plane. Includes two 180° opposing scales in 5° increments. Latex free. Width 30.5 x 45cm.

Baseline® Posture Grid
Baseline® Posture Evaluator
Adjustable Wall Goniometer
Baseline® 180° Digit Goniometer
Arthrodial Protractor
1. Finger/Toe Goniometer

   Helps the therapist perform accurate and precise finger range of motion measurements. Scale is in two degree increments for improved reliability. Ruler is in both inches and centimetres. The long arm is 9.5cm (3 3/4”) long, and it clears the wrist for accurate placement. If a shorter arm is desired, the goniometer can be trimmed to meet measuring preferences. Composite motion is measured easily because the goniometer’s short arm is only 2cm (7/8”) long, allowing precise measurement of DIP range of motion. Measuring degrees of hyperextension is simple - no repositioning is necessary. The goniometer easily provides readings ranging from 30° of hyperextension to 120° of flexion. Loose-fitting hinge lies on the joint without guidance. Tight fitting hinge enables the therapist to read the goniometer after removal from joint.

   A4418 Loose Fitting Hinge Red
   A4417 Tight Fitting Hinge Blue

2. Stainless-Steel Goniometers

   Professional quality goniometers feature clearly marked degree increments and easy to read inch and centimetre linear measurements. Goniometers are available separately or as part of a six piece set that includes a padded carrying case, as below.

3. 15cm (6”) Steel Finger/Toe Goniometer

   Stainless steel goniometer measures range of motion of finger joints (metacarpophalangeal and interphalangeal) and other small joints including toes. Head has two opposing 180° scales marked in 5° increments. A linear scale in inches and centimetres is on the arm.

   AA9610

4. 18cm (7”) “Robinson” Pocket Goniometer

   Has two 180° scales that read in opposite directions. Scale is marked in 5° increments. Ideal for measuring small joints of the hand.

   7516

5. 20cm (8”) Goniometer

   Has two 180° scales in opposite directions marked in 1° increments. Turn the knurled knob to vary amount of tension on the arms or to fully lock them.

   5048B

6. 35cm (14”) Goniometer

   Has two 180° scales that read in opposite directions. Scales marked in 1° increments. Non-locking friction arm.

   7517

7. 35cm (14”) Goniometer

   Features one 360° and two 180° scales that read in opposite directions. Scales marked in 1° increments. Locking arm. Knurled knob adjusts goniometer arm tension.

   7518

8. 6 Piece Goniometer Set

   Padded carrying case with compartments that hold goniometers firmly in place. Set includes:
   - 18cm (7”) 180° “Robinson” Pocket Goniometer
   - 20cm (8”) 180° Goniometer and 35cm (14”) 360° Goniometer
   - 14cm (5 1/2”) Finger Goniometer
   - 20cm (8”) Aluminium X-Ray Goniometer
   - 20cm (8”) Stainless Steel Goniometer

   8060
**Range of Motion**

**Assessment Tools**

**JAMAR® E-Z Read Goniometers**

Professional quality JAMAR E-Z Read Goniometers feature transparent plastic with an opaque white background behind degree markings for easy, accurate readings, even against a distracting background. Inch and centimetre linear measurements.

1. **17cm (6 3/4") Goniometer**
   - Scale reads 0° to 180° in 5° increments. Ideal for small joints.
   - Not autoclavable.
   - 7538

2. **15cm (6") Goniometer**
   - Scale reads 0° to 180° in opposite directions in 1° increments.
   - Not autoclavable.
   - 7539

3. **20cm (8") Goniometer**
   - Scale reads 0° to 180° in opposite directions in 1° increments.
   - Not autoclavable.
   - 7540

4. **30cm (12 1/2") Standard Goniometer**
   - Scale reads 0° to 180° and 0° to 360° in 1° increments.
   - Not autoclavable.
   - 7541

**Transparent Plastic Goniometers**

 Permit observation of joint axis and motion. Linear readings in inches and centimetres.

5. **17cm (6 3/4") Goniometer**
   - Scale reads 0° to 180° in opposite directions at 5° increments.
   - Ideal for small joints. Not autoclavable.
   - 7510

6. **20cm (8") Goniometer**
   - Scale reads 0° to 90° and 0° to 180° in 5° increments.
   - Not autoclavable.
   - 7512

7. **30cm (12 1/2") International Standard Goniometer**
   - Reads 0° to 90°, 0° to 180° and 0° to 360° in 1° increments.
   - Not autoclavable.
   - 7514

8. **20cm (8") Goniometer**
   - Not autoclavable.
   - A44131

9. **Dorsal Goniometer**
   - Scale reads 0° to 180° in each direction, in 2° increments.
   - Pocket sized, not autoclavable.
   - 09 132 4896

**NEW**
Function, Perceptual & Cognitive Assessment

1. **Complex Form Board**
   - **ROLYAN**
   - The Form Board has 12 shapes for evaluation and training in form constancy, position in space, shape recognition and sequencing as well as teaching compensatory techniques for loss of visual field. Shapes are 2.2cm high. Colour of shapes may vary. Dimensions 62 x 41 x 1.3cm.
   - A4161

2. **Stereognosis Kit**
   - **ROLYAN**
   - The kit consists of 17 common items and matching cards for evaluation of stereognosis. The 8 x 13cm cards are laminated for long term use. Each card has a drawing and the name of the item in American, English and Spanish. On the back of the card is the name of the item for use by the evaluator.
   - A4542

3. **Picking Up Test**
   - The test evaluates the client’s level of functional sensibility by measuring motor function. All pieces are metal to eliminate differences in temperature / texture as factors. Pinching is required to pick up small objects and to measure the perception of constant touch and pressure. Fine motor skills are also required. Can be used blindfolded to measure tactile ability or stereognosis.
   - 7457

4. **Easy Grip Pegs/Boards**
   - 50mm high knob shaped coloured plastic pegs are easy to grasp and stack. Jumbo pegs provide easier manipulation. The 25 hole rubber like board (210 x 210 x 10mm) is durable and flexible, allowing the pegs to sit firmly.
   - A85111 - 30 Pegs and 25 Hole Board Set
   - A85114 - Standard Pegs - Set of 100

5. **25 Hole Pegboard with Coloured Pegs**
   - Dexterity and hand/eye co-ordination are developed as the user performs a variety of manipulative hand and upper extremity motions. The 225mm (10”) square, high quality lacquered pegboard has 25 holes spaced 25mm (1”) apart in which 25mm (1”) diameter coloured pegs can be inserted. Red, blue, yellow and green pegs.
   - 5328
Function, Perceptual & Cognitive Assessment

1. Sensory Stimulation Activities Kit
   This sensory and cognitive therapy tool kit includes auditory, visual, olfactory, gustatory and tactile stimuli. The kit includes 31 functional, safe materials to stimulate the senses, including three communication cards. The kit’s manual contains sensorimotor assessment procedures, treatment guidelines and goals, activities and forms to document assessment, treatment and results. Materials (single patient use) are packed in personal client cases that can be labelled and reordered. Each activity kit includes four personal cases. The Disposable Single Use Personal Case includes a toothbrush, comb, plastic spoon, emery board, feather, square of cotton padding, velour and satin all packaged in a clear plastic box with a snap lock lid.
   926654 Set
   926655 Disposable Single Use Personal Case

2. Lotca™ II Battery
   Designed especially for therapists by the Lowenstein O.T. Department, Israel, includes standardised testing procedures. Consists of four major areas and 20 subtests including orientation, perception, visual motor organisation and thinking operations. Can be used for evaluation of stroke patients, traumatic brain injury patients and patients with other neurological impairments. Can also be used with psychiatric or geriatric patients to determine cognitive dysfunction. In English.
   4910 Set

3. Lotca-G™ Battery
   Designed specifically for use as part of an ongoing occupational therapy evaluation and treatment evaluation and treatment plan for geriatric patients with brain injury. Larger components help test patients with vision and motor co-ordination difficulties: fewer pictorial details simplify tasks. Includes new memory subtests. Reliability, validity and standards of performance for healthy older adults and those with CVA, ages 70 to 91, are documented.
   491001 Set

4. Rivermead Perceptual Assessment Battery
   Rivermead Perceptual Assessment Battery gives a preliminary assessment of a client’s level of visual perceptual deficit prior to therapy. It also ensures the success of intervention or the effects of natural recovery. The assessment includes tasks such as picture / colour matching, missing articles, sequencing pictures and cube copying. Includes extensive norm data from age 16 to 97.
   AA9671B Perceptual Assessment Battery includes: 25 record forms, layout guide and materials assessment
   AA9671A Manual Record Forms (25)
1. **Purdue Pegboard Test**
Tests dexterity. Measures two types of activities: one involving gross movement of hands, fingers and arms; and the other involving fingertip dexterity. Includes manual with instructions, normative data and 25 record blanks. A stopwatch, which is needed for administration of the test, is not included.

- **A9291** Kit
- **A92911** Replacement Pins, Washers and Collars - Pack of 50 pins, 40 washers, 20 collars

2. **Roeder Manipulative Aptitude Test**
Measures speed and dexterity in arm, hand and finger movements. Can be used for pre-employment assessment. Made of durable plastic with four receptacles for washers, rods, caps and nuts. T-Bar included for special test, as well as instruction manual, norms, record blanks, rods and washers.

- **A8982** Kit
- **A8983** Extra Record Blanks

3. **Grooved Peg Board**
A challenging manipulative dexterity test that requires more complete visual motor co-ordination than most pegboards. Contains 25 holes with randomly positioned slots. Pegs must be rotated before they can be inserted.

- **7446** Grooved Pegboard
- **A9685** Replacement Pegs - Pack of 30

4. **Jebsen-Taylor Hand Function Test**
This seven part test evaluates a broad range of hand functions used in daily activities. Conduct test using common items such as paper clips, cans, pencils, etc. Includes instructions and all items needed to perform seven sub tests. An empty can serves as a container for small test items. Test comes in a cotton carrying bag.

- **8063** Hand Function Test
- **806301** 10 Wooden Checkers

5. **Box and Block Test**
Portable version of the standardised test of manual dexterity. Provides a baseline for upper extremity manual dexterity and gross motor co-ordination. Test is quick and simple to administer. Suitable for persons with cognitive impairments and/or limited manual dexterity. Complete with 150 x 25mm (1") coloured wooden blocks, closable box designed for easy portability and storage.

- **7531**

6. **Minnesota Manual Dexterity Test**
Measures capacity for rapid hand/eye co-ordination for jobs requiring manipulative skills. Tests unilateral or bilateral movements. Complete with manual including norms, 60 cylinders, board and carrying case. Includes 50 record blanks.

- **7502**
- **A9682** Replacement Cylinders
- **A9683** Additional Record Forms
Multi-Phase Desensitisation Kit Rolyan

This popular desensitisation kit features consistent, graded stimuli in easy to use plastic bins. Use when normal sensation has been disrupted following trauma or brain injury. The 10 stackable bins (18 x 21 x 37cm) have a front cut out design that allows a seated patient to immerse hand, wrist and forearm into the stimuli. Each bin includes a plastic front cover to avoid spills. Individual plastic top covers are sold separately for use as a dust cover for the upper bins or to prevent spills during transportation. Can be purchased as a complete kit, or bins and stimuli can be purchased individually to meet clinical needs. Washable.

- **A4153** Complete Kit (10 bins, stimuli & front covers)
- **A415202** Individual Top Covers
- **A415201** Empty Individual Bin with Front Cover
- **Stimuli**
  - **A4154** Phase 1 Pompon
  - **A4155** Phase 2 Soft Plastic Disks
  - **A4156** Phase 3 Smooth Plastic Pellets
  - **A4157** Phase 4 Rough Plastic Pellets
  - **A4158** Phase 5 Small Plastic Disks
  - **A4159** Phase 6 Large Plastic Disks
  - **A41510** Phase 7 Plastic Shavings
  - **A41511** Phase 8 Fine Graded Pebbles
  - **A41512** Phase 9 Large Pebbles
  - **A41513** Phase 10 Marbles

9-Hole Peg Test Rolyan

One piece design features a moulded dish next to the 9 hole peg board so the reach is always the same. A stopwatch is included for administering the test. All pieces can be cleaned with disinfectant.

- **A8515** Kit
- **A8516** Replacement Pegs - nine
- **A8423** Replacement Stopwatch
- **A8423B** Replacement Battery

Hot and Cold Discrimination Kit Rolyan

Assess temperature discrimination by a simple, accurate and quantifiable method. Each kit contains two probes for hot temperature and two probes for cold temperature and a thermometer to determine water temperature. Thermometers in each probe indicate the exact temperature along the entire hot to cold range, for accurate assessment and reporting.

- **A6291** Fahrenheit
- **A629003** Celsius

Wooden 9-Hole Peg Test

Great for fine motor coordination, evaluations and finger dexterity exercise. Square 4 ¼” wooden pegboard comes with ½” pegs.

- **5309** Test
- **927037** Replacement Pegs

Depth Perception Pegboard Set

Designed to stimulate depth perception and hand/eye co-ordination on two levels. Board is 280mm (11”) square and includes twelve red and nine green 13mm (⅓”) diameter pegs.

- **8182**

O’Connor Finger Dexterity Test

Evaluates rapid manipulation of small parts. Also useful for fine motor co-ordination training. Self contained 28cm x 14cm board has shallow well for 2.5 pins and 100 holes that hold three pins each. Includes examiner’s manual with norms.

- **7520** Finger Dexterity Test
- **A8514** Replacement Pins - Pack of 100

O’Connor Tweezers Dexterity Test

Specialised test requires using tweezers to place pins in holes. Requires precision, steadiness and a high degree of hand/eye co-ordination. Includes one tweezer, 100 pins and detailed examiner’s manual with norms.

- **7521** Tweezers Dexterity Test
- **A8514** Replacement Pins - Pack of 100