



GLOSSARY: ORTHOTIC & PROSTHETIC

Glossary of Orthotic & Prosthetic Terms





About East Coast O&P

Established in 1997, East Coast Orthotic & Prosthetic Corp. has become a Leader in Custom **Orthotics**, **Prosthetics** and rehabilitation **Braces**. We are also an official Expert Center for **Rigo® System Cheneau®** in the U.S.A.

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A-K

- [ABC](#)
- [Abduction](#)
- [Adduction](#)
- [AE](#)
- [AFO](#)
- [AK](#)
- [Alignment](#)
- [Amputation](#)
- [BE](#)
- [BK](#)
- [BOC](#)
- [Bulbous](#)
- [Cervical](#)
- [CFO](#)
- [Check Socket](#)
- [CO](#)
- [Corset](#)
- [CP](#)
- [CPO](#)
- [CROW](#)
- [Doffing](#)
- [Donning](#)
- [Dystrophy](#)
- [Edema](#)
- [Endoskeletal Design](#)
- [Exoskeletal Design](#)
- [Extension](#)
- [Fabrication](#)
- [FFO](#)
- [Flexion](#)
- [Functional Level](#)
- [Gait](#)
- [Hemipelvectomy](#)
- [Hip Disarticulation](#)
- [HKAFO](#)
- [KAFO](#)
- [K-Levels](#)
- [KO](#)

L-Z

- [LSO](#)
- [Musculo-skeletal System](#)
- [O&P](#)
- [O&P Facility](#)
- [Orthopaedics](#)
- [Orthopaedist](#)
- [Orthosis](#)
- [Orthotics](#)
- [Orthotist](#)
- [Plaster Impression](#)
- [Practitioner](#)
- [Prosthesis](#)
- [Prosthetic Components](#)
- [Prosthetic Sock](#)
- [Prosthetics](#)
- [Prosthetist](#)
- [Pylon](#)
- [Rehabilitation](#)
- [Residual Limb](#)
- [RGO](#)
- [SEWHO](#)
- [SMO](#)
- [Socket](#)
- [Soft Orthosis](#)
- [Sound side leg](#)
- [Syme's amputation](#)
- [Technician-Orthotic/Prosthetic](#)
- [TLSO](#)
- [Transfemoral](#)
- [Transhumeral](#)
- [Transradial](#)
- [Transtibial](#)
- [UCBL Shoe Insert](#)
- [WHO](#)

ABC: American Board for Certification in Orthotics & Prosthetics, Inc.

Abduction: The act of moving the hip (and residual limb) away from the midline of the body.

Adduction: The act of moving the hip (and residual limb) toward the midline of the body.

AE: Above Elbow Amputation.

AFO: Ankle Foot Orthotics.

AK: An Above Knee Amputation.

Alignment: The relationship of the prosthetic foot to the socket.

Amputation: The removal of a limb by trauma, medical illness, or surgery.

BE: A Below Elbow Amputation.

BK: A Below Knee Amputation.

BOC: The Board of Certification/Accreditation (BOC), founded in 1984, is an independent, not-for-profit agency dedicated to meeting the demands for quality patient care by offering highly valued credentials for professionals and suppliers of comprehensive orthotic and prosthetic (O&P) care and durable medical equipment (DME) services.

Bulbous: Refers to the residual limb being larger in circumference at the end than at the top.

Cervical: Pertaining to the neck.

CFO (Custom Fabricated Orthosis): Orthosis, which is individually made for a specific patient.

Check Socket: A socket made of clear plastic used to evaluate the fit of the socket design to the residual limb.

CO (Certified Orthotist): Orthotist who has passed the certification standards.

Corset: Lumbar brace made from textile material.

CP (Certified Prosthetist): Prosthetist who has passed the certification standards.

CPO (Certified Prosthetist-Orthotist): Prosthetist/Orthotist who has passed the certification standards.

CROW: Charcot Restraint Orthotic Walker

Doffing: Taking the orthosis or prosthesis off.

Donning: Putting the orthosis or prosthesis on.

Dystrophy: Pathologic loss of muscle mass.

Edema: Swelling of the tissue.

Endoskeletal Design: A construction technique that uses a pipe or pylon as the support structure.

Exoskeletal Design: A construction technique that uses wood or hard foam as the support structure.

Extension: The act of moving the hip (and residual limb) backward or to the rear of the body.

Fabrication: Procedure of mechanically creating a device.

FFO: Functional Foot Orthotics

Flexion: The act of moving the hip (and residual limb) forward or to the front of the body.

Functional Level: Degree of function a disabled patient still achieves.

Gait: Walking.

Hemipelvectomy: A high-level pelvic amputation.

Hip Disarticulation: Amputation of the entire leg from the hip.

HKAFO: Hip Knee Ankle Foot Orthotics

KAFO: Knee Ankle Foot Orthotics

K-Levels: K-levels are defined by Medicare based on an individual's ability or potential to ambulate and navigate their environment.

KO: Knee Orthotics

LSO: Lumbosacral Orthosis

Musculo-skeletal System: System of cooperating muscles and bones in biological creatures.

O&P: Orthotics and Prosthetics.

O&P Facility: Place where orthotic or prosthetic patient care is provided.

Orthopaedics: Medical specialty dealing with the locomotor system.

Orthopaedist: Surgeon who corrects congenital or functional abnormalities of the bones with surgery, casting, and bracing.

Orthosis: Custom-fabricated or custom-fitted brace or support designed to align, correct, or prevent neuromuscular or musculoskeletal dysfunction, disease, injury, or deformity.

Orthotics: The science and practice of evaluating, measuring, designing, fabricating, assembling, fitting, adjusting, or servicing an orthosis under a prescription from a licensed physician, chiropractor, or podiatrist to correct or alleviate neuromuscular or musculoskeletal dysfunction, disease, injury, or deformity.

Orthotist: Person who measures, designs, fabricates, fits, or services orthoses as prescribed by a licensed physician, and who assists in the formulation of an orthosis to support or correct disabilities.

Plaster Impression: The plaster cast that is applied to the residual limb in order to obtain an accurate model during the fabrication process.

Practitioner: A health professional who is specifically educated and clinically trained to manage the provision of comprehensive orthotic and prosthetic care.

Prosthesis: Artificial medical device that is not surgically implanted which is used to replace a missing limb or appendage such as artificial limbs, hands, fingers, feet or toes.

Prosthetic Components: The parts that make up the artificial limb. For example, foot, ankle, socket, pylon, etc.

Prosthetic Sock: A sock knitted to fit the shape of the residual limb worn inside the socket.

Prosthetics: Science and practice of evaluating, measuring, designing, fabricating, assembling, fitting, adjusting, or servicing prosthesis under an order from a licensed physician.

Prosthetist: Person who measures, designs, fabricates, fits, or services prosthesis as prescribed by a licensed physician, and who assists in the formulation of the prosthesis prescription for the replacement of external parts of the human body lost due to amputation or congenital deformities or absences.

Pylon: A pipe-like structure used to connect the prosthetic socket to the foot/ankle components.

Rehabilitation: Process of restoring a person who has been debilitated by a disease or injury to a functional life.

Residual Limb: Remaining portion of the limb after amputation.

RGO: Reciprocating Gait Orthotics

SEWHO: Shoulder Elbow Wrist Hand Orthotics

SMO: Supra-Malleolar Orthotics

Socket: The portion of the prosthesis that is in contact with the residual limb.

Soft Orthosis: Orthotic device made from fabric or elastic components (e.g., pressure gradient hose, corset, cervical collars, trusses).

Sound side leg: Non-amputated limb.

Syme's amputation: An amputation performed at the ankle joint

Technician-Orthotic/Prosthetic: Person trained to fabricate, repair and maintain orthoses or prostheses under the supervision of an orthotist/prosthetist.

TLSO: Thoracolumbosacral Orthosis

Transfemoral: A type of amputation that occurs above the knee.

Transhumeral: A type of amputation that occurs above the elbow.

Transradial: A type of amputation that occurs at the forearm.

Transtibial: A type of amputation that occurs below the knee.

UCBL Shoe Insert: University of California Biomechanics Laboratory Shoe Insert/University of California Berkeley Laboratory Shoe Insert.

WHO: Wrist Hand Orthotics