

» OAK Knee Joint and Orthosis

Orthotic Knee Joint

Supplier:

Fillauer LLC

Features & Benefits:

- Osteo-arthritic polycentric knee joint
- Patented 30° valgum and 6° varum adjustment
- Polycentric action provides stability and easy glide action during gait phase
- Open laterally mounted joint to unload medial compartment
- Orthosis use heat malleable materials for easy cuff and shin adjustment

Specifications:

- Orthosis types: *Standard and Short*
- Orthosis sizes: *Small, Medium, Large and X-Large*
- Joint materials: *Stainless steel, aluminum*
- Orthosis materials: *Comfil® TFC, ABS* or Kydex® thermoplastics*
(*Note: OAK Short orthosis comes in ABS only)
- Pad materials: *Polyfoam with shear netting and silicone bead. Silicone popliteal pad.*
- Joint weight: *95g*
- Flexion angle: *150°*
- Coronal adjustment range: *30° Valgum, 6° Varum*
- Sagittal adjustment range: *0–135 degrees*
(*Note: optional security stops at 110° flexion and 30° extension)

Indications:

- Mild to severe medial, unicompartmental osteoarthritis

Contraindications:

- Lateral unicompartmental or bicompartamental osteoarthritis
- Low load tolerance at thigh and shin
- Patients with minimal or painful popliteal area for suspension
- Severe knee sprain or ligamentous damage (ACL and/or PCL)
- Thin skin or patients with high skin breakdown

Call Points:

- Orthotist
- Orthotic technician

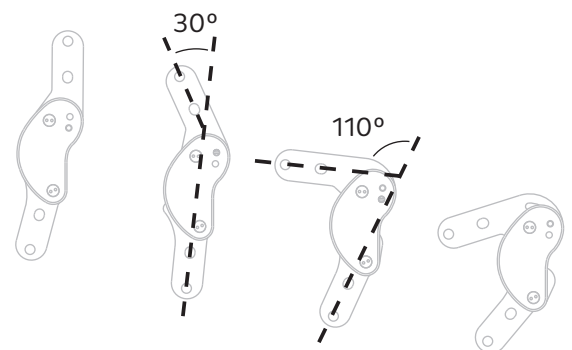
Warranty:

- 12 months on frame and hinges, against manufacturers defects
- 6 months on soft goods, against manufacturers defects



Left: OAK Orthosis with TFC cuffs. Cuffs also available with Kydex® and ABS. OAK Short orthosis available with ABS cuffs only.

Right: OAK knee joint



OAK knee joint flexion angles

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Item No.	Description	Side	Flexion
OAK Knee Joint			
DF-023991	Osteo-arthritic knee joint kit	Left	150°
DF-023990	Osteo-arthritic knee joint kit	Right	150°
DF-023901	Osteo-arthritic knee joint	Left	150°
DF-023900	Osteo-arthritic knee joint	Right	150°
DF-023980	OAK joint mounting kit	—	—

Item No.	Description	Size	Side	Cuff Material
OAK Knee Orthosis — Standard				
DF-024201	Osteo-arthritic knee orthosis	Small	Left	TFC
DF-024200	Osteo-arthritic knee orthosis	Small	Right	TFC
DF-024203	Osteo-arthritic knee orthosis	Medium	Left	TFC
DF-024202	Osteo-arthritic knee orthosis	Medium	Right	TFC
DF-024205	Osteo-arthritic knee orthosis	Large	Left	TFC
DF-024204	Osteo-arthritic knee orthosis	Large	Right	TFC
DF-024207	Osteo-arthritic knee orthosis	X-Large	Left	TFC
DF-024206	Osteo-arthritic knee orthosis	X-Large	Right	TFC
DF-024209	Osteo-arthritic knee orthosis	Small	Left	Kydex
DF-024208	Osteo-arthritic knee orthosis	Small	Right	Kydex
DF-024211	Osteo-arthritic knee orthosis	Medium	Left	Kydex
DF-024210	Osteo-arthritic knee orthosis	Medium	Right	Kydex
DF-024213	Osteo-arthritic knee orthosis	Large	Left	Kydex
DF-024212	Osteo-arthritic knee orthosis	Large	Right	Kydex
DF-024215	Osteo-arthritic knee orthosis	X-Large	Left	Kydex
DF-024214	Osteo-arthritic knee orthosis	X-Large	Right	Kydex
DF-024217	Osteo-arthritic knee orthosis	Small	Left	ABS
DF-024216	Osteo-arthritic knee orthosis	Small	Right	ABS
DF-024219	Osteo-arthritic knee orthosis	Medium	Left	ABS
DF-024218	Osteo-arthritic knee orthosis	Medium	Right	ABS
DF-024221	Osteo-arthritic knee orthosis	Large	Left	ABS
DF-024220	Osteo-arthritic knee orthosis	Large	Right	ABS
DF-024223	Osteo-arthritic knee orthosis	X-Large	Left	ABS
DF-024222	Osteo-arthritic knee orthosis	X-Large	Right	ABS

OAK Knee Orthosis — Short				
DF-024225	Osteo-arthritic knee orthosis	Small	Left	ABS
DF-024224	Osteo-arthritic knee orthosis	Small	Right	ABS
DF-024227	Osteo-arthritic knee orthosis	Medium	Left	ABS
DF-024226	Osteo-arthritic knee orthosis	Medium	Right	ABS
DF-024229	Osteo-arthritic knee orthosis	Large	Left	ABS
DF-024228	Osteo-arthritic knee orthosis	Large	Right	ABS

OAK Knee Orthosis » Sizing

Size	6" Above Patella (Thigh Cuff)	6" Below Patella (Shin Cuff)
Small	38–46 cm (15–18")	30–38 cm (12–15")
Medium	46–56 cm (18–22")	38–43 cm (15–17")
Large	56–63 cm (22–25")	43–48 cm (17–19")
X-Large	63–74 cm (25–29")	43–48 cm (17–19")

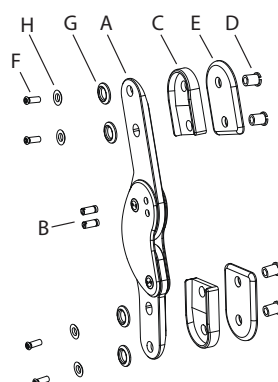
Measurements taken six inches above and six inches below mid-patella with knee fully extended.

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Item No.	Description	Size	Side
Accessories			
DF-024300BLK	Black silicone strap pad	—	—
DF-024402	OAK standard orthosis brace padding kit	Small	Left
DF-024400	OAK standard orthosis brace padding kit	Small	Right
DF-024406	OAK standard orthosis brace padding kit	Medium	Left
DF-024404	OAK standard orthosis brace padding kit	Medium	Right
DF-024410	OAK standard orthosis brace padding kit	Large	Left
DF-024408	OAK standard orthosis brace padding kit	Large	Right
DF-024414	OAK standard orthosis brace padding kit	X-Large	Left
DF-024412	OAK standard orthosis brace padding kit	X-Large	Right
<i>OAK standard orthosis brace padding kits include upper pad, lower pad and adhesive hook dots</i>			
DF-024418	OAK short orthosis brace padding kit	Small	Left
DF-024416	OAK short orthosis brace padding kit	Small	Right
DF-024422	OAK short orthosis brace padding kit	Medium	Left
DF-024420	OAK short orthosis brace padding kit	Medium	Right
DF-024426	OAK short orthosis brace padding kit	Large	Left
DF-024424	OAK short orthosis brace padding kit	Large	Right
<i>OAK short orthosis brace padding kits include upper pad, lower pad and adhesive hook dots</i>			
DF-024602	OAK orthosis brace strapping kit	Small	Left
DF-024600	OAK orthosis brace strapping kit	Small	Right
DF-024606	OAK orthosis brace strapping kit	Medium	Left
DF-024604	OAK orthosis brace strapping kit	Medium	Right
DF-024610	OAK orthosis brace strapping kit	Large	Left
DF-024608	OAK orthosis brace strapping kit	Large	Right
DF-024614	OAK orthosis brace strapping kit	X-Large	Left
DF-024612	OAK orthosis brace strapping kit	X-Large	Right

OAK orthosis brace strapping kits include straps (4 each), chafes (4 each) and rivets (8 each)

OAK Knee Joint Kit » Parts

	Item No.	Description
	A DF-023901	OAK joint (left side)
	A DF-023900	OAK joint (right side)
	B DF-023979	Flexion/extension stop pin (2 each)
	C DF-023985	External alignment block (2 each, included in DF-023980 mounting kit)
	D DF-023987	Mounting nut (4 each, included in DF-023980 mounting kit)
	E DF-023984	Internal mounting plate (2 each, included in DF-023980 mounting kit)
	F DF-885901	Mounting screw (4 each, included in DF-023980 mounting kit)
	G DF-023982	Alignment washer (4 each, included in DF-023980 mounting kit)
H DF-023981	Spherical washer (4 each, included in DF-023980 mounting kit)	