

» Model 742 - Tamarack Dorsiflexion Assist Flexure Joint®

Ankle Joint

Supplier:

Becker Orthopedic Appliance Co.

Features & Benefits:

- Biased design provides motion assist power similar to traditional metal dorsi-assist ankle joints
- Lightweight
- Can be interchanged with different durometers and/or Model 740 - Tamarack Free-Motion Flexure Joint® of the same size, to vary the amount of assist movement provided
- Ease of fabrication
- Thermoformable
- Cosmetically appealing
- Color coded for easy durometer identification
- Assist movement can be adjusted from 0 to nearly three times that of a standard installation by using Model 743 - Tamarack Variable Assist™

Specifications:

- Sizes: *Pediatric (742-P), Medium (742-M) and Large (742-L)*
- Durometers: *White = 75*
Black = 85
Red = 95
- Heights: *742-P = 32mm (1¼")*
742-M = 38mm (1½")
742-L = 45mm (1¾")
- Widths: *742-P = 11mm (7/16")*
742-M = 13mm (½")
742-L = 15mm (15/32")
- Colors: *White and Black**
*(*Available for Medium and Large sizes only)*
- Kits include joints, mounting hardware and Shearban® cosmetic patches
- Reusable molding dummies are recommended to create snug, recessed cavity for joint

Indications:

- Adult thermoplastic AFO/KAFO
- Pediatric thermoplastic AFO/KAFO

Call Points:

- Orthotist
- Orthotic technician

Warranty:

- Against manufacturers defects



1 = Model 742 - Tamarack Dorsiflexion Assist Flexure Joint®

2 = Model 742 used on a molded AFO



Model 742 - Tamarack Dorsiflexion Assist Flexure Joint® kit

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Item No.	Description	Size	Color	Height	Width	Durometer
BO-742-P-75	Thermoplastic AFO dorsiflexion ankle joint kit	Pediatric	White	32mm (1¼")	11mm (7/16")	75
BO-742-M-75	Thermoplastic AFO dorsiflexion ankle joint kit	Medium	White	38mm (1½")	13mm (½")	75
BO-742-M-75-BLK	Thermoplastic AFO dorsiflexion ankle joint kit	Medium	Black	38mm (1½")	13mm (½")	75
BO-742-L-75	Thermoplastic AFO dorsiflexion ankle joint kit	Large	White	45mm (1¾")	15mm (15/32")	75
BO-742-L-75-BLK	Thermoplastic AFO dorsiflexion ankle joint kit	Large	Black	45mm (1¾")	15mm (15/32")	75
BO-742-P-85	Thermoplastic AFO dorsiflexion ankle joint kit	Pediatric	White	32mm (1¼")	11mm (7/16")	85
BO-742-M-85	Thermoplastic AFO dorsiflexion ankle joint kit	Medium	White	38mm (1½")	13mm (½")	85
BO-742-M-85-BLK	Thermoplastic AFO dorsiflexion ankle joint kit	Medium	Black	38mm (1½")	13mm (½")	85
BO-742-L-85	Thermoplastic AFO dorsiflexion ankle joint kit	Large	White	45mm (1¾")	15mm (15/32")	85
BO-742-L-85-BLK	Thermoplastic AFO dorsiflexion ankle joint kit	Large	Black	45mm (1¾")	15mm (15/32")	85
BO-742-P-95	Thermoplastic AFO dorsiflexion ankle joint kit	Pediatric	White	32mm (1¼")	11mm (7/16")	95
BO-742-M-95	Thermoplastic AFO dorsiflexion ankle joint kit	Medium	White	38mm (1½")	13mm (½")	95
BO-742-M-95-BLK	Thermoplastic AFO dorsiflexion ankle joint kit	Medium	Black	38mm (1½")	13mm (½")	95
BO-742-L-95	Thermoplastic AFO dorsiflexion ankle joint kit	Large	White	45mm (1¾")	15mm (15/32")	95
BO-742-L-95-BLK	Thermoplastic AFO dorsiflexion ankle joint kit	Large	Black	45mm (1¾")	15mm (15/32")	95

Kit Includes:

Dorsiflexion assist flexure joints

Mounting hardware

ShearBan® cosmetic patches

Model 741 - Tamarack Molding Dummies (sold separately):

BO-741-P	Reusable flexure joint molding dummies	Pediatric	—	33mm (15/16")	11mm (7/16")	—
BO-741-M	Reusable flexure joint molding dummies	Medium	—	40mm (19/16")	13mm (½")	—
BO-741-L	Reusable flexure joint molding dummies	Large	—	47mm (17/8")	15mm (15/32")	—

Model 741-CAP - Tamarack Flexure Joint® Caps (sold separately):

BO-741-CAP-L	Flexure joint cap kit	Universal	White			
BO-741-CAP-LB	Flexure joint cap kit	Universal	Black			

Model 743 - Tamarack Variable Assist® (sold separately)

Item No.	Description	Size	Height	Width	Depth
BO-743-P	Thermoplastic AFO ankle assist unit	Pediatric	43mm (123/32")	18mm (11/16")	9mm
BO-743-L	Thermoplastic AFO ankle assist unit	Large	60mm (211/32")	25mm (1")	11mm

Model 742 - Tamarack Dorsiflexion Assist Flexure Joint® » Parts

Item No.	Description	Length	Diameter
BO-740-1P-7	Standard screws for Pediatric joints	7mm	3.5mm
BO-740-1P-8	Longer screws for Pediatric joints	8mm	3.5mm
BO-740-1P-10	Longer screws for Pediatric joints	10mm	3.5mm
BO-740-1P-12	Longer screws for Pediatric joints	12mm	3.5mm
BO-740-1LM-9	Standard screws for Large and Medium joints	9mm	4mm
BO-740-1LM-7	Shorter screws for Large and Medium joints	7mm	4mm
BO-740-1LM-12	Longer screws for Large and Medium joints	12mm	4mm
BO-740-1LM-14	Longer screws for Large and Medium joints	14mm	4mm
BO-740-2P	Standard flange nut for Pediatric joints	5mm	4.5mm
BO-740-2LM	Standard flange nut for Large and Medium joints	6mm	5mm
BO-740-1P-7-TR	Optional truss head screws for Pediatric joints	7mm	3.5mm
BO-740-1LM-9-TR	Optional truss head screws for Large and Medium joints	9mm	4mm
BO-749-740	Cosmetic Shearban® patches	12 per package	