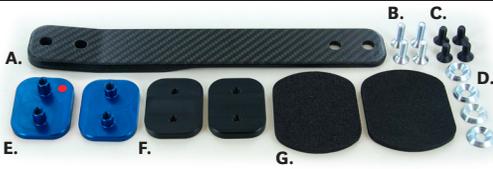


Parts Included



- A. Strut (1) (10.5 x 1.5)
 B. Screws (4)
 (2) - 6x18 for Top Mounting Plate
 (2) - 6x20 for Bottom Mounting Plate
 C. Black Screws 6x14 (4)
 D. Clamp Washer (4)
 E. AFO Mounting Plate (2)
 (1) Upper Mounting Plate - Short Posts
 (1) Lower Mounting Plate - Tall Posts
 F. AFO Fab Tooling Pieces (2)
 G. AFO Plate Foam (2)

EN Instructions for Use	PT Instruções de Utilização
DE Gebrauchsanweisung	PL Instrukcja użytkowania
FR Notice d'utilisation	CS Návod k použití
ES Instrucciones para el uso	TR Kullanım Talimatları
IT Istruzioni per l'uso	RU Инструкция по использованию
NO Bruksanvisning	JA 取扱説明書
DA Bruksanvisning	ZH 中文说明书
SV Bruksanvisning	KO 사용 설명서
EL Οδηγίες Χρήσης	
FI Käyttöohjeet	
NL Gebruiksaanwijzing	



www.coyote.us/instructions-dynamicstrut



Manufactured by Coyote®
 419 N. Curtis Rd., Boise, Idaho 83706
 (208) 429-0026 | www.coyote.us



CD206R

Dynamic Strut AFO Rigid Flex

Weight Range 175-265 lbs.
 Medium Activity Level



6 month warranty against manufacturer defects, excessive wear, or breakage.

Made in U.S.A.

External Prosthetic Components



CD206R.revA.10052021



Advena Limited
 Tower Business Centre
 2nd Flr, Tower Street
 Swatar, BKR 4013
 Malta

Installing AFO Dummy Plates

Fabrication Sheet for Coyote Designs Dynamic AFO

These struts are designed for thermal plastic bracing using 1/4 inch thermal plastic Polypropylene or ProComp™ to make custom thermoplastic orthosis.



1. Cast patients lower leg in the desired position with a similar heel height as the shoe they will be wearing. Cast similar to a solid ankle AFO. Make sure you have enough length for the strut on the posterior side of the cast. **Cast to the MPT or popliteal space.**



2. Assemble the AFO strut and tooling pieces with 6x14 mm screws. Loosely tighten the screws to the plastic tooling pieces; the plastic tooling pieces should be ruffed up on the side facing the cast to help the glue bond.



3. Align your toe out or your tibia angle depending on what degree you are looking for.



4. Center the tooling piece in the center of the posterior calf distal to the apex of the fibular head.



5. The lower tooling piece is approximately 4 inches from the base of the planter surface depending on shoe type.



6. Standard set up of carbon strut is perpendicular to the foot plate and centered in the middle of the calf.



7. Mark around your tooling pieces on the mold. Use the four 6x14 black screws to mount the strut to the tooling pieces.



8. On the distal mount create an 1/8th of an inch lift or more depending on patients calf shape so the strut clears the leg.



9. Staples work well for setting tooling height.



10. Spread a little Coyote Quik Glue or 5 minute epoxy where the tooling pieces will go. Place the tooling pieces on the glue holding it in place until the glue sets.



11. Once the adhesive is set up, fill in the void with more Quik Glue but not quite to the edge of the tooling piece.



12. Once the glue is set hold the strut in place and gently remove the screws



13. Smooth out the edges with plaster on the fabrication tooling pieces. All the tooling pieces edges should be clean of plaster and adhesive.



14. The plaster should have a smooth transition to the cast. To get a clean pull so the thermoformed plastic **doesn't undercut the edge of the tooling piece.**

Pulling Plastic and Shaping AFO



15. Use two vacuum nylons over your cast to help with wicking when pulling 1/4 polypropylene or ProComp™.



16. Make sure plastic draws tight around the tooling pieces and does not bridge from the heel to the lower tooling piece.



17. Mark your trim lines and cut off in a traditional fashion.



18. Finish edges of plastic in the usual manner.



19. Drill out the pilot holes from the **inside of the brace** with a 3/16th drill bit using the threaded holes in the tooling piece as a drill guide.



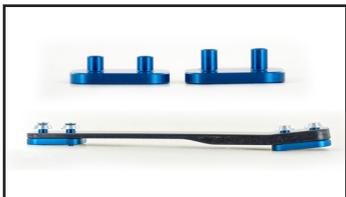
20. Remove the tooling pieces and nylon.



21. Drill out your clearance holes with a 23/64th Drill bit and deburr the holes.



22. Insert AFO Mounting Plates into the shell. The radius edge inserts flush against the plastic.



23. The upper mounting plate has shorter stems. The lower mounting plate has longer stems.



24. Press Mounting Plates with a tool to get extra pressure to make flush.



25. Place strut on mounting posts and make sure they are not sticking out past the strut surface.

They must be below the strut surface.



26. Insure mounting plate is fully seated in the plastic by attaching and tightening down the washers and screws to the strut.
(2 - 6x18 for Top Mounting Plate)
(2 - 6x22 for Bottom Mounting Plate)



27. If the posts are sticking out past the face plate of the strut, remove the screws, strut, and grind post until it is flush or below the strut surface. This may take a few tries.



28. After grinding the post down, clean up the edges of any burrs on the posts.



29. Make sure the holes are clean and remount the strut. Make sure it is tight with no gapping and the washer is flush, seats flat.



30. Make sure the screws are more than 3/4 of the way through all the threaded post holes and not sticking out past the inside of the plate.



31. Take the brace apart and Loctite® the threads with blue 242 Loctite®. Torque 5-8 Nm.



32. Skive or shape the AFO plate foam to be flush with the plastic, covering the AFO Mounting Plate.



33. Tighten the screws after a couple weeks of use, also at follow up appointments, re-Loctite if needed. Always torque 5-8 Nm.

Note-
Depending on plastic thickness steps 26 and 27 may need to be repeated.

Need assistance?
Call us, we would love to help.
(208) 429-0026

CAUTION

1. Construction instructions are helpful hints on how to work with Coyote's Dynamic AFO product. Actual fabrication is the responsibility of the technician and/or practitioner.
2. Always use Loctite Blue 242 on screw threads. Torque between 5 Nm and 8 Nm in even distribution.
3. Tighten the screws after a couple weeks of use, also at follow up appointments, re-Loctite if needed.

A 6 month limited warranty applies to the Dynamic Strut AFO (CD206R, CD206M, CD206S, CD206RS, CD206MS, CD206SS) go to www.coyote.us for details.

Struts Available

CD206R - Rigid Flex Kit *Weight Range 175-265 lbs.*
CD206M - Medium Flex Kit *Weight Range 125-225 lbs.*
CD206S - Soft Flex Kit *Weight Range 90-200 lbs.*
CD206K - Soft, Medium, and Rigid Flex Kit

Replacement Parts

CD206RS - Rigid Flex Replacement Strut
CD206MS - Medium Flex Replacement Strut
CD206SS - Soft Flex Replacement Strut
CD206MP - Mounting Plates Kit

Fabrication Videos:

www.coyote.us/dynamicstrut/
www.youtube.com/user/CoyoteDesignMfg