



Case Studies

Case Numbers:

#8963, #1177586, #1178130, #1180510, #1186967, #1187081, #DJ-SB1, #DJ-SB2,
#DJ-SB2, #7659, #8297, #8303, #9092, #9181, #9297, #10157, #10483, #10729
#LR-SB1, #AOP-SB1

January 2024



ShearBan
BY TAMARACK®

Case Study
#8963

Patient
76 yr old female

Diagnosis
Psoriasis

Condition
Plantar Hyperkeratosis



APRIL 6 | 2015

Persistent hyperkeratosis on the heel of the right foot after undergoing multiple previous treatments without positive results.



APRIL 6 | 2015

Custom orthopedic insoles were crafted and ShearBan was applied to only the affected areas.

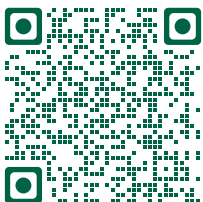


NOVEMBER 22 | 2023

Significant reduction in hyperkeratosis. Use of ShearBan continues.

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala

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APRIL 6 | 2015

Persistent hyperkeratosis on the first metatarsal head and heel of the left foot after undergoing multiple previous treatments without positive results.



APRIL 6 | 2015

Custom orthopedic insoles were crafted and ShearBan was applied to only the affected areas.



NOVEMBER 22 | 2023

Significant reduction in hyperkeratosis. Use of ShearBan continues.

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Case Study
#1177586

Patient
55 yr old male

Diagnosis
Diabetes with Charcot foot and
peripheral neuropathy

Condition
Wagner Grade 1 diabetic
foot ulcer



APRIL 26 | 2018



APRIL 26 | 2018

ShearBan strategically applied to the area of concern of the insole in patient's CROW boot.

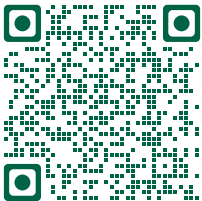
Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



JUNE 13 | 2018

Significant healing and improvement of foot ulcer after 49 days. Use of ShearBan patch continues.

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Case Study
#1178130

Patient
68 yr old

Diagnosis
Diabetes with
peripheral neuropathy

Condition
Wagner Grade 2 diabetic
foot ulcers



FEB 19 | 2018



APRIL 06 | 2018

Wound care regimen begins to be administered twice per week.



JULY 06 | 2018

ShearBan strategically applied to targeted areas of orthopedic insoles.

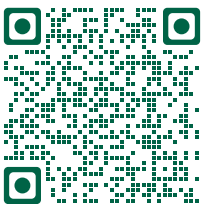


JUNE 31 | 2019

Ulcers are completely healed after 12 months. ShearBan use continues to help prevent recurrence.

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala

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Case Study
#1180510

Patient

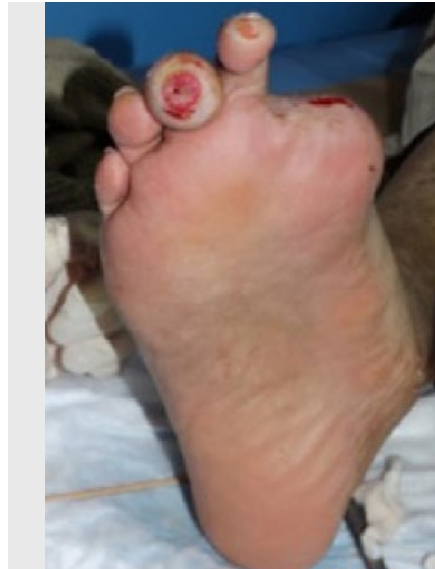
57 yr old male

Diagnosis

Diabetes with peripheral neuropathy

Condition

Wagner Grade 2 diabetic foot ulcers
Toe amputation



MAY 04 | 2018



ShearBan strategically applied to targeted areas of orthopedic insoles.

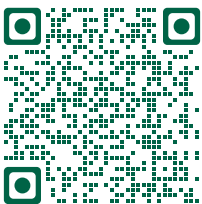
Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



JUNE 01 | 2018

Nearly complete closure and healing of foot ulcers after 27 days. Use of ShearBan continues.

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Case Study
#1186967

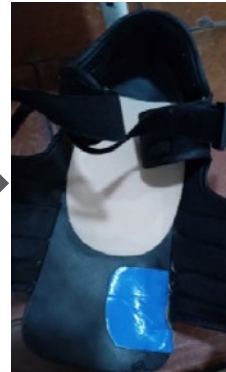
Patient
49 yr old male

Diagnosis
Diabetes with peripheral neuropathy

Condition
Wagner Grade 1 diabetic foot ulcer



SEPT 06 | 2022



SEPT 06 | 2022

ShearBan strategically applied to targeted areas of orthopedic insoles.



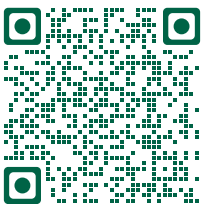
Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



DEC 06 | 2022

Nearly complete closure and healing of foot ulcer after 93 days.
Use of ShearBan continues.

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Case Study
#1187081

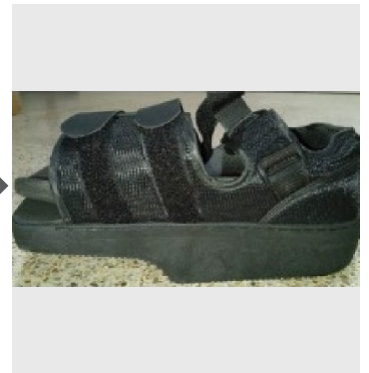
Patient
39 yr old

Diagnosis
Diabetes with peripheral
neuropathy

Condition
Wagner Grade III diabetic foot
ulcer



MAY 29 | 2023

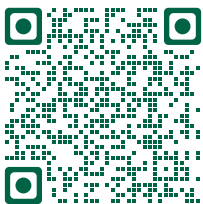


MAY 29 | 2023

ShearBan strategically applied to targeted area of plastazote mold in the offloading sandal.

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala

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JUNE 20 | 2023

Complete wound closure and nearly
complete healing of foot ulcer after 23
days. ShearBan use continues.

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Case Study #DJ-SB1

Patient

Geriatric male

Diagnosis

Diabetes with peripheral neuropathy

Condition

Recurring Wagner Grade 1 diabetic foot ulcer and callous



DATE UNKNOWN

Initial patient evaluation. Applied ShearBan to a targeted area of patient's footwear

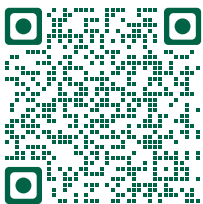
Case study report courtesy of:
Dennis J. Janisse, C Ped.
National Pedorthic Services
Milwaukee, WI USA



3 MONTHS LATER

Foot ulcer wound has completely healed.

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Case Study
#DJ-SB2

Patient

50 yr old male

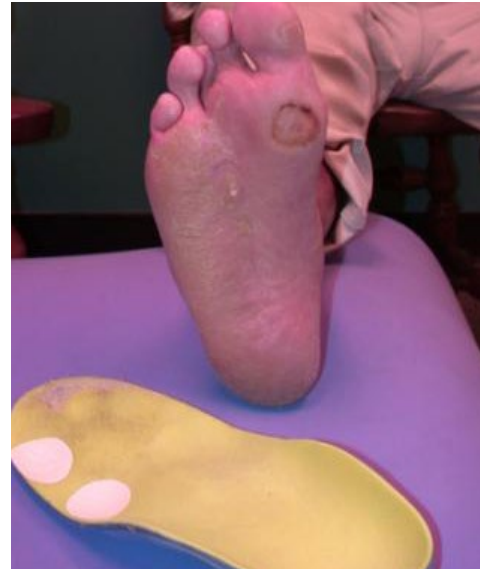
Diagnosis

Type 2 Diabetes with peripheral neuropathy

Condition

Wagner Stage 2 diabetic foot ulcers on first toe and base of first metatarsal head

Previous amputations

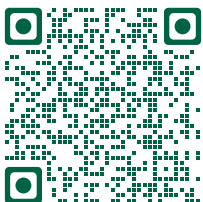


DATE UNKNOWN

Initial patient evaluation. Applied ShearBan to a targeted area of patient's orthopedic insoles.

Case study report courtesy of:
Dennis J. Janisse, C Ped.
National Pedorthic Services
Milwaukee, WI USA

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3 MONTHS LATER

Nearly complete closure and healing of foot ulcer.
Use of ShearBan continues.

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Case Study
#DJ-SB3

Patient

70 yr old female

Diagnosis

Rheumatoid Arthritis

Condition

Blisters and painful skin
irritation



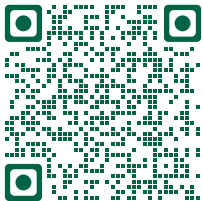
DATE UNKNOWN

Case study report courtesy of:
Dennis J. Janisse, C Ped.
National Pedorthic Services
Milwaukee, WI USA



DATE UNKNOWN

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Case Study #7659

Patient

Unknown

Diagnosis

Myelomeningocele and equinus varus left leg length discrepancy.

Condition

Central-distal heel ulcer, located distal of tuber calcaneus, due to flaccid deformity and neurological insensitivity.



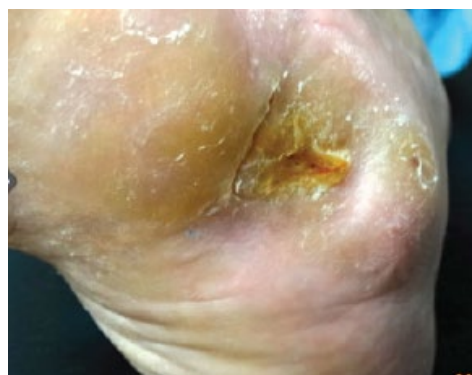
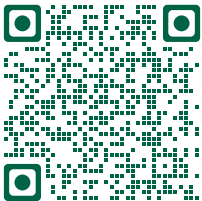
DATE UNKNOWN



ShearBan® patch application at several strategically relevant locations

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala

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2.5 MONTHS LATER

Skin closure achieved in 2.5 months
Foot ulcer has completely healed

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Case Study #8297

Patient

Unknown

Diagnosis

Diabetes mellitus for 20 years;
peripheral neuropathy

Condition

Wagner Grade 1 diabetic
foot ulcer at second
metatarsal head

Prior amputation of second toe
on left foot

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



DEC 10 | 2013

ShearBan® patch overlapping the ulceration site applied to standard orthotic insert.



FEB 25 | 2014

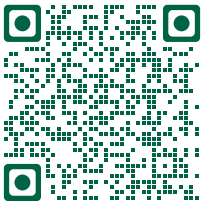
>90% wound closure within 2½ months



JAN 13 | 2016

Total skin closure with ShearBan® patch reported after
approx. 3 months

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Case Study #8303

Patient

Unknown

Diagnosis

Neurological dysfunction as a result of myelomeningocele.

Condition

Central-distal heel ulcer, located distal of tuber calcaneus, due to flaccid deformity and neurological insensitivity.

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



NOV 13 | 2013



NOV 13 | 2013

Standard medical orthotic insert w/ ShearBan patch



DEC 03 | 2013

95% wound closure achieved within first 20 days

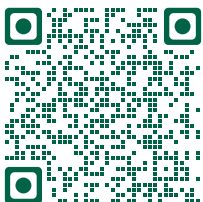


FEB 09 | 2014

Skin closure at ShearBan® patch location after approx. 30 days.

Foot ulcer has completely healed

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Case Study #9092

Patient

56 yr old

Diagnosis

Type 2 Diabetes Mellitus
for 13 yrs

Condition

Wagner Grade I diabetic foot
ulcer, medio-distally located on
first toe.



AUG 20 | 2015



AUG 20 | 2015

Standard medical, post-op shoe, custom insert
ShearBan® patch installed at great toe area

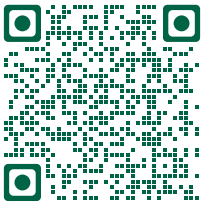
Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



SEPT 08 | 2015

90% wound closure within 19 days of treatment

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Case Study #9181

Patient

78 yr old

Diagnosis

Diabetes Mellitus for 40 yrs,
peripheral neuropathy

Condition

Wagner Grade I diabetic foot
ulcer, distal-anteriorly located
on first toe.



AUG 20 | 2015



AUG 20 | 2015

Carville® transitional healing sandal with custom
Plastazote® insert

ShearBan® patch installed at great toe area

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala

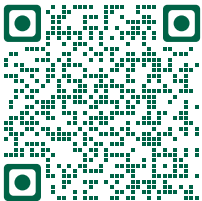


SEPT 08 | 2015

Complete skin closure within 6½ months of treatment



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Case Study #9297

Patient
29 yr old

Diagnosis
Diabetes Mellitus for 14 years.

Condition
Wagner Grade I diabetic
foot ulcer, located at head of
second metatarsal



NOV 04 | 2014



NOV 04 | 2014

Carville® transitional healing sandal with custom
Plastazote® insert

ShearBan® patch installed at second metatarsal location

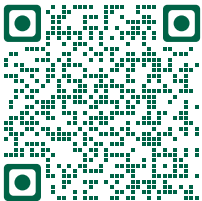
Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



NOV 28 | 2014

80% skin closure achieved within first 24 days of treatment

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Case Study #10157

Patient
Unknown

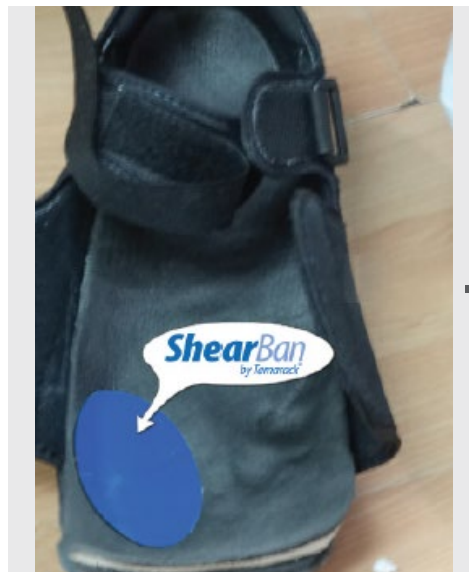
Diagnosis
Diabetes Mellitus for more than 20 years.

Condition
Wagner Grade II diabetic foot ulcer, located at medial aspect of first toe



FEB 12 | 2015

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



FEB 12 | 2015

Carville® transitional healing sandal with custom Plastazote® insert

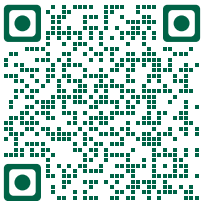
ShearBan® patch installed at great toe



MARCH 04 | 2015

100% wound closure achieved within first 20 days of treatment

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Case Study #10483

Patient

27 yr old

Diagnosis

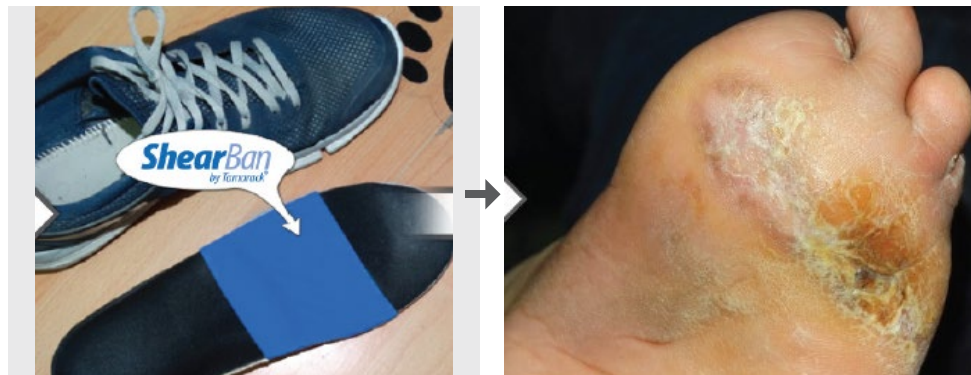
Diabetes Mellitus; Neuropathy.

Condition

Wagner Grade I diabetic foot ulcer, located transverse of metatarsal heads



FEB 12 | 2015



FEB 12 | 2015

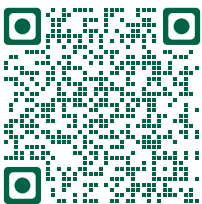
Orthotic insert with full transverse width ShearBan® patch installation at metatarsal heads area

MARCH 04 | 2015

80% skin closure achieved within first 45 days of treatment

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala

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Case Study #10729

Patient
39 yr old

Diagnosis
Diabetes Mellitus with Charcot
foot and peripheral neuropathy.

Condition
Wagner Grade 0 diabetic foot
ulcer, located distal-lateral hind
of right foot



MAY 02 | 2015



MAY 02 | 2015

Transitional healing sandal, custom orthotic insert

ShearBan® patch installation in distal-lateral
calcaneal area

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala

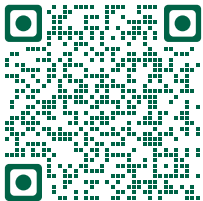


MAY 31 | 2015

Complete healing skin closure & callus suppression
achieved within 29 days of treatment.



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Case Study
#LR-SB1

Patient
Unknown

Diagnosis
Hansen's disease (Leprosy)

Condition
Wagner Grade II foot ulcer,
located on first metatarsal
head of left foot



JUNE 02 | 2010

Initial patient evaluation. Treatment plan:
Antibiotics, wound bed treatment, triple layer custom-
made Plastazote shoe insert, upholstered and with a
carve-out load relief zone at wound bed.



OCT 22 | 2010

Patient presents with ulcer without significant size
reduction, however with wound borders undermining
Standard treatment continued.

Case study report courtesy of:
Luis Rodil Peralta, BOCPD
Hospital y Unidad de Pie Diabetico
Lomas Altas, Guatemala



OCT 22 | 2010

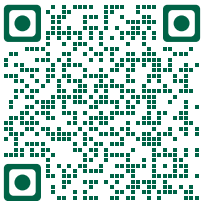
New custom-made Plastazote shoe insert, with strategic
load relief zones and ShearBan PTFE patch at 1st
metatarsal head, providing friction relief directly at
wound bed



JUNE 14 | 2011

Wound healed within 8 months after ShearBan shear-
reduction patch was added to the custom in-sole and
standard medical treatment.
Callus, shoes and inserts remain under ongoing control.

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Case Study
#AOP-SB1

Patient

58 yr old male

Diagnosis

Type II Diabetes, with peripheral neuropathy

Condition

Wagner Grade II foot ulcer, located transverse of metatarsal heads

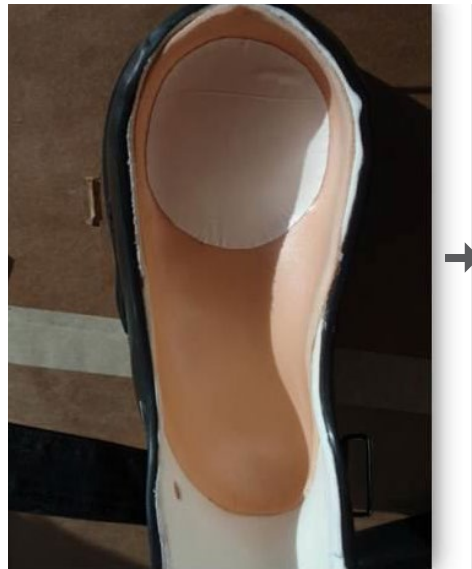


DATE UNKNOWN

Initial patient evaluation.
58-year old male, left forefoot ulcer present for the previous four years. Infection and recurrent ulceration limit function and interfere with daily living. Limited ambulation and frequent hospital stays. Patient presents with sensory, motor and autonomic neuropathy

Left foot in fixed eight degree plantarflexion. Historically pt. used off-the-shelf shoes with no arch supports or accommodative shoe modifications.

Case study report courtesy of:
Charles Kuffel CPO, FAAOP, President/
Clinical Director
Arise Orthotics and Prosthetics, Inc.
Minneapolis, MN USA

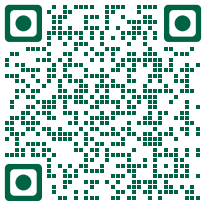


FIVE MONTHS LATER

Cast and fit with a left neuropathic walking boot which addressing fixed plantarflexed position through a heel lift. Shank aligned at 90 degrees during stationary standing. Sole modified with a slight hindfoot rocker and a midfoot rocker. Outer sole terminating just posterior to the area of concern.

For shear reduction, ShearBan® was applied beneath the area of concern which followed the motion pathway of the ulceration during ambulation. Significant healing and regranulation observable within the first week.

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