

XENITH PRODUCT PLAYBOOK

2023

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X XENITH SHADOW XR

Shadow XR incorporates Xenith's proprietary rate-dependant impact cells and our most advanced polymer shell. These technologies work together to deliver quantifiable performance benefits* without sacrificing the comfort and fit athletes have come to expect from Xenith helmets.

**VIRGINIA TECH
HELMET RATING**
5 ★★★★★

*as measured and determined by independent third party helmet performance laboratories.



X XENITH SHADOW

Shadow incorporates Xenith's innovative multi-stage shock matrix and our most advanced polymer shell. These technologies work together to deliver an optimal combination of quantifiable performance benefits*, fit, comfort and weight.

VIRGINIA TECH.
HELMET RATING
5 ★★★★★

*as measured and determined by independent third party helmet performance laboratories.



X2E+

X2E+ is the workhorse of Xenith's helmet line, it offers traditional styling and high level performance.* X2E+ incorporates Xenith's traditional dual-stage shock matrix and time-tested shell materials to deliver a combination of fit, comfort and performance.

VIRGINIA TECH
HELMET RATING
5 ★★★★★

*as measured and determined by independent third party helmet performance laboratories.



HELMET MODEL COMPARISON

FEATURE	SHADOW XR	SHADOW	X2E+
Fit System	Adaptive/Traditional	Adaptive/Traditional	Adaptive/Traditional
Virginia Tech Rating	5 Stars	5 Stars	5 Stars
Adaptive Fit Profile	Y V 360– secure fit on crown, jaw and back of head	Y V 360 LITE– secure fit on crown, jaw and back of head	Y V CROWN– fit band technology secures crown of the head
Shell Material	Y V Advanced Polymer	Y V Advanced Polymer	Y ABS V PC
Comfort Pad Material	Y V Poron XRD	Y V Poron XRD	Y EVA V Vinyl-Nitrile
Energy Control Layer	Y V XR Impact Cells	Y V Multi-Stage Shocks	Y V Dual-Stage Shocks
Chin Cup Style	Y V Softcup, 3DX, Sportstar	Y V Softcup, 3DX, Sportstar	Y V Softcup, 3DX, Sportstar

Y = YOUTH
V = VARSITY

HELMET FEATURES



HELMET SHELL MATERIALS

ONLY THE BEST

Xenith's unrelenting commitment to quality requires all of its helmet shells be produced exclusively from premium virgin polymer materials, never incorporating regrind or recycled fillers. **Xenith's commitment to quality is evidenced by the industry's only 10 year shell warranty.**

Advanced Polymer

Developed in partnership with BASF, this material is optimized for use with Xenith's advanced shock matrix systems.

Polycarbonate

Time-tested industry-standard material for Varsity football helmets, known for its unique balance of impact strength and stiffness.

ABS

Time-tested industry-standard material for Youth football helmets, known for its impact strength to weight ratio.



XR Impact Cell



Multi Stage



Dual Stage

ENERGY CONTROL SYSTEMS

XR Impact Cells

Xenith's proprietary rate-dependent material responds intelligently across a dynamic range of impact forces while the unique cell structures allow for an optimal response to rotational forces.

Multi-Stage Shock

As an extension of the Dual-Stage Shock technology, these shocks add a stair-stepped redundancy which improves their response to elevated impact energies and allow for an even more dynamic response to rotational forces.

Dual Stage Shock

Xenith's foundational technology, these shocks are tuned for an optimal response to all football impacts through carefully engineered stiffness parameters and controlled air flow.

FIT SYSTEMS

TRADITIONAL

Utilizes traditional four-point snap buckle hookup to secure the helmet to the head. Consistent with fit systems common to all other football helmets currently on the market.

ADAPTIVE

Similar to the Traditional Fit, the Adaptive Fit helmets secure the helmet to the head with four-point snap-buckle hookups. The Adaptive Fit differs in that its low hookup strap winds through the energy control liner so that upon tightening, the liner conforms



Traditional Fit



Adaptive Fit



HELMET

SIZE COMPARISON

VARSITY HELMETS

SIZE COMPARISON CHART

HEAD CIRCUMFERENCE

CENTIMETERS	
INCHES	
SHADOW XR	MEDIUM LARGE X-LARGE
SHADOW	MEDIUM LARGE X-LARGE
X2E+	SMALL MEDIUM LARGE X-LARGE
RIDDELL SPEEDFLEX	SML MEDIUM LARGE X-LARGE
SCHUTT F7	SMALL MEDIUM LARGE X-LARGE XX-LARGE

YOUTH HELMETS

SIZE COMPARISON CHART

HEAD CIRCUMFERENCE

CENTIMETERS	
INCHES	
SHADOW	SMALL MEDIUM LARGE
SHADOW XR	SMALL MEDIUM LARGE
X2E+	SMALL MEDIUM LARGE
RIDDELL VICTOR	XXS XS SML MED LRG XL
SCHUTT A11	XS SMALL MEDIUM LARGE X-LARGE



SHADOW XR

KEY FEATURES AND BENEFITS

HELMET SHELL

Xenith's advanced polymer shell was developed in partnership with BASF. The material is optimized for use with Xenith's advanced shock matrix systems and provides superior durability and lower weights.

ROTATIONAL IMPACT

Xenith's XR Impact Cells are designed for maximum shearing when exposed to rotational impact energy. This helps isolate the athlete's head from the rotational motion and accompanying strains.

LINEAR IMPACT

When exposed to linear impacts, Xenith's XR Impact Cells compress to absorb energy. Leveraging rate-dependent stiffness and a re-entrant geometry, the cells provide a highly effective method to slow down the hit.

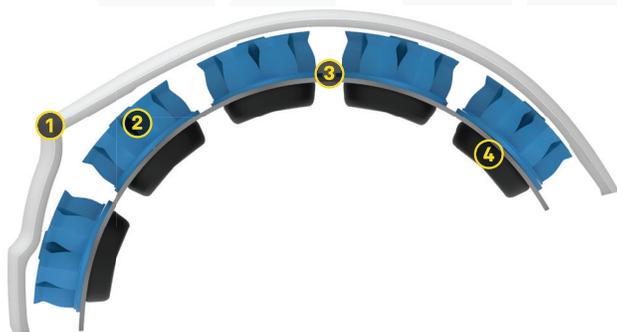
FIT VARIANTS

TRADITIONAL

Traditional Chinstrap with high/low hookups.
Comfortable and secure.
Softcup and Hardcup options.

ADAPTIVE

Integrated chinstrap with high/low hookups.
Shock Matrix adapts to athlete's head as chinstrap is adjusted.
Softcup and Hardcup options.



- ① **ADVANCED POLYMER SHELL**
- ② **XR IMPACT CELLS**
- ③ **INTERNAL SHOCK MATRIX**
- ④ **COMFORT PADS**

SIZE CHART

VARSITY				
HELMET SIZE	S	M	L	XL
CENTIMETERS	NOT AVAILABLE IN VARSITY	53 - 57.5	56.5 - 61.5	60.5 - 64
INCHES	NOT AVAILABLE IN VARSITY	20 $\frac{1}{2}$ - 22 $\frac{1}{2}$	22 $\frac{1}{4}$ - 24	23 $\frac{3}{4}$ - 25
YOUTH				
HELMET SIZE	S	M	L	XL
CENTIMETERS	50 - 54.5	53.5 - 58	57 - 60	NOT AVAILABLE IN YOUTH
INCHES	19 $\frac{3}{4}$ - 21 $\frac{1}{2}$	21 $\frac{1}{4}$ - 22 $\frac{3}{4}$	22 $\frac{3}{4}$ - 23 $\frac{3}{4}$	NOT AVAILABLE IN YOUTH



SHADOW

KEY FEATURES AND BENEFITS

HELMET SHELL

Xenith's advanced polymer shell was developed in partnership with BASF. The material is optimized for use with Xenith's advanced shock matrix systems and provides superior durability and lower weights.

MULTI-STAGE SHOCKS

As an extension of the Dual-Stage Shock technology, these shocks add a stair-stepped redundancy which improves their response to elevated impact energies and allow for an even more dynamic response to rotational forces .

DUAL-STAGE SHOCKS

Xenith's foundational technology, these shocks are tuned for an optimal response to all football impacts through carefully engineered parameters and controlled air flow.

FIT VARIANTS

TRADITIONAL

Traditional Chinstrap with high/low hookups.

Comfortable and secure.

Softcup and Hardcup options.

ADAPTIVE

Intergrated chinstrap with high/low hookups.

Shock Matrix adapts to athlete's head as chinstrap is adjusted.

Softcup and Hardcup options.



1 ADVANCED POLYMER SHELL

2 DUAL AND MULTI STAGE SHOCKS

3 INTERNAL SHOCK MATRIX

4 COMFORT PADS

SIZE CHART

VARSITY				
HELMET SIZE	S	M	L	XL
CENTIMETERS	NOT AVAILABLE IN VARSITY	54-58.5	58-62.5	62-66
INCHES	NOT AVAILABLE IN VARSITY	21¼-22¾	22¾-24¾	24¼-25

YOUTH				
HELMET SIZE	S	M	L	XL
CENTIMETERS	NOT AVAILABLE IN YOUTH	54-58.5	58-62.5	62-66
INCHES	NOT AVAILABLE IN YOUTH	21¼-22¾	22¾-24¾	24¼-25



X2E+

KEY FEATURES AND BENEFITS

HELMET SHELLS

POLYCARBONATE (VARSITY)

Time-tested, industry standard material for Varsity football helmets known for its unique balance of impact strength and stiffness.

ABS (YOUTH)

Time-tested, industry standard material for Youth football helmets known for its impact strength to weight ratio

DUAL-STAGE SHOCKS

Xenith's foundational technology, these shocks are tuned for an optimal response to all football impacts through carefully engineered parameters and controlled air flow.

FIT VARIANTS

TRADITIONAL

Traditional Chinstrap with high/low hookups.

Comfortable and secure.

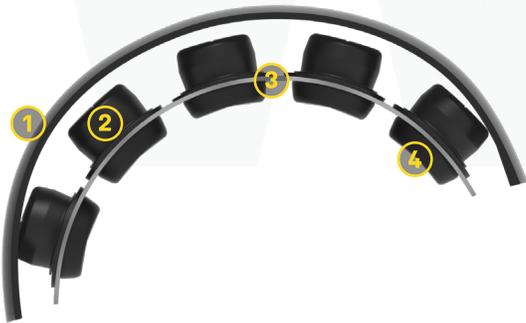
Softcup and Hardcup options.

ADAPTIVE

Integrated chinstrap with high/low hookups.

Shock Matrix adapts to athlete's head as chinstrap is adjusted.

Softcup and Hardcup options.



- ① POLYCARBONATE/ABS SHELL
- ② DUAL STAGE SHOCKS
- ③ INTERNAL SHOCK MATRIX
- ④ COMFORT PADS

SIZE CHART

VARSITY				
HELMET SIZE	S	M	L	XL
CENTIMETERS	50-53	53-57	57-61	61-64
INCHES	19 $\frac{3}{4}$ -21	21-22 $\frac{1}{2}$	22 $\frac{1}{4}$ -24	24-25

YOUTH				
HELMET SIZE	S	M	L	XL
CENTIMETERS	50-53	53-57	57-61	NOT AVAILABLE IN YOUTH
INCHES	19 $\frac{3}{4}$ -21	21-22 $\frac{1}{2}$	22 $\frac{1}{4}$ -24	NOT AVAILABLE IN YOUTH



HELMET & FACEMASK COLORS



MOLDED HELMET OPTIONS



WHITE
03000



BLACK
01000



NAVY
04000



SCARLET
06000



ROYAL BLUE
05000



MAROON
07000



DARK GREEN
09000



GOLD
08000

PAINT OPTIONS

Contact your authorized Xenith Dealer or Xenith Care Center for Paint Options.

FACEMASK COLORS



WHITE
03000



BLACK
01000



NAVY
04000



SCARLET
06000



ROYAL BLUE
05000



MAROON
07000



DARK GREEN
09000



GOLD
08000



GREY
02000



FACEMASK STYLES



XRS-21X
Available in Titanium
Available in Small



XRS-22X
Available in Titanium



XRS-21SX
Available in Titanium



XRS-22SX
Available in Titanium



PRIME
Available in Small

NAME KEY

X = XENITH

R = REGULAR LENGTH

S = STANDARD EYE-OPENING

1ST NUMERAL = TOP BAR(S)

2ND NUMERAL = BAR(S) BELOW EYE OPENING

Example A: -21 is 2 bars above, 1 bar below the eyes.

Example B: -22 is 2 bars above, 2 below the eyes.

S AT THE END = "SIDE" (VERTICAL) EYE BARS

X AT THE END = UPDATED "X-SERIES" JAWLINE

L = LONG LENGTH

N = NARROW EYE-OPENING

XRS-22SX =

Regular length, standard opening, 2 bars above the eye, 2 bars below the eye, with side bars, updated X-series jawline.



ACCESSORIES

HELMET COMPONENTS



VISOR

XENITH VISOR

Focus on the field and protect your eyes from opposing players and the elements. Made of shatter resistant polycarbonate with a fog and scratch resistant coating, the Xenith Visor offers clear, distortion-free vision.

HARD CUP CHIN STRAPS

ADAPTIVE FIT

3DX CHIN CUP

Polycarbonate exterior for ultimate protection and silicone liner for comfort and antimicrobial properties.

HYBRID CHIN CUP

A two-piece chin cup with a soft, nonslip antimicrobial liner and a protective outer shell.

TRADITIONAL FIT

SPORT STAR

Victory T-Rex Hurricane Model; ultra protective hardshell and a comfortable foam liner.

CHIN CUP SLEEVE

Moisture-wicking machine-washable stretch mesh fits over most chin cups to create a soft, comfortable interior feel.



SPORT ★

CHIN CUP COLOR OPTIONS

STANDARD HARD CUP CHIN STRAPS



BLACK
01000



WHITE
03000

HARD CUP CHIN STRAPS

Contact your authorized Xenith Dealer or Xenith Care Center for Color Options.



HARDWARE



FACEMASK CLIPS

MADE OF DURABLE SURLYN



CHINSTRAP BUCKLES

SPORTSTAR

SportStar brand hardware provides reliable performance and unmatched consistency. Stainless Steel Body and Buckle. Plastic Body and Stainless Steel Buckle.



HELMET T-NUTS, SCREWS & SNAP POSTS

Xenith utilizes Stainless Steel Hardware for strength and longevity.

Each item sold separately



FLYTE 2 TD
Optimized for youth athletes

VELOCITY PRO
Professional level performance in a low profile design

VELOCITY PRO LIGHT
Light weight, low profile, comfortable and protective

VELOCITY 2 YOUTH TD
Light weight, protective and sleek

SHOULDER PADS

Xenith shoulder pads stand out in the market due to an unrivaled combination of style and substance. Youth and Varsity athletes love Xenith's form fitting, light weight shoulder pad designs.



SHOULDER PAD MODEL COMPARISON

FEATURE	VARSITY		YOUTH	
	VELOCITY PRO	VELOCITY PRO LIGHT	VELOCITY 2 YOUTH TD	FLYTE 2 TD
Arch Material	Professional Grade Polyethylene	Supertough Polymer Resin System	Supertough Polymer Resin System	Supertough Polymer Resin System
Arch Construction	Compression Molded	Injection Molded	Injection Molded	Injection Molded
Arch Profile	Lineman, Skill, All Purpose	All Purpose	All Purpose	All Purpose
Body Padding	Low Profile Air Management system	Proprietary TPU Impact Foam	High Performance Impact Foam	High Performance Impact Foam
Epaulet/ Shoulder Cup Style	SC-18 / Reverse Cup	SC-18 / Low Pro Cup	X-18Y /Youth Cup	X-18Y /Youth Cup
Shoulder Pad Summary	Maximum protection in a low profile, high range of motion design	Lightest weight varsity level pad on the market, maximum range of motion	Light weight youth pad offering great protection and range of motion	Xenith's smallest and lightest weight shoulder pad model

SHOULDER PAD SIZE COMPARISON

VARSITY SHOULDER PAD PORTFOLIO		SIZE COMPARISON CHART				
CENTIMETERS						
INCHES						
VELOCITY PRO SKILL	SMALL	MEDIUM	LARGE	X-LARGE		
VELOCITY PRO ALL PURPOSE		MEDIUM	LARGE	X-LARGE	XX-LARGE	
VELOCITY PRO LINEMAN			LARGE	X-LARGE	XX-LARGE	XXX-LARGE
VELOCITY PRO LIGHT	SMALL	MEDIUM	LARGE	X-LARGE	XX-LARGE	

YOUTH SHOULDER PAD PORTFOLIO		SIZE COMPARISON CHART		
CENTIMETERS				
INCHES				
FLYTE 2	X-SMALL	SMALL	MEDIUM	LARGE
CENTIMETERS				
INCHES				
VELOCITY 2 YOUTH	SMALL	MEDIUM	LARGE	X-LARGE



VELOCITY PRO

- ① MAXIMUM PROTECTION IN LOW-PROFILE, HIGH RANGE OF MOTION DESIGNS
- ② POSITION SPECIFIC DESIGNS FOR POSITION SPECIFIC PERFORMANCE

SKILL



ALL PURPOSE



LINEMAN



KEY FEATURES

COMPRESSION MOLDED ARCH

Produces high-precision, durable parts.

ARCHES BUILT FROM PROFESSIONAL GRADE POLYETHYLENE

Provides flexible and durable impact dispersion.

POSITION SPECIFIC ARCH PROFILES

Arch profiles cut specifically to optimize range of motion needs for each position group.

BODY PADDING

Our air management system provides time-trusted energy management in a low-profile design.

Low-profile design allows for improved range of motion and reduced weight.

ADJUSTABLE CHANNEL PADS

Provides improved fit, comfort and protection.

HEAVY DUTY BELT SYSTEM

Coated nylon belts and stainless steel hardware provide a secure and reliable fit.

BLACKED OUT HARDWARE FOR A SLEEK LOOK

SC18 EPAULETS AND REVERSE CUPS

COMFORT-LINED ARCH IMPROVES LOOK AND FEEL.

REMOVABLE FRONT DELTOID PADS.

QUICK CHANGE BODY PADDING

Body padding is easily removed for cleaning and maintenance.

SIZE CHART

VARSITY VELOCITY PRO SKILL				
SIZE	S	M	L	XL
INCHES	16-17	17-18	18-20	19-20

VARSITY VELOCITY PRO ALL PURPOSE				
SIZE	M	L	XL	XXL
INCHES	17-18	18-19	19-20	20-21

VARSITY VELOCITY PRO LINEMAN				
SIZE	L	XL	XXL	XXXL
INCHES	18-19	19-20	20-21	21-22



VELOCITY PRO LIGHT

- ① LIGHTEST VARSITY LEVEL PAD ON THE MARKET
- ② MAXIMUM FLEXIBILITY, MOBILITY, RANGE OF MOTION AND COMFORT
- ③ ALL-PURPOSE DESIGN, SUITABLE FOR ALL POSITIONS

KEY FEATURES

INJECTION MOLDED ARCH

Allows for lower profile and lighter weight arches.

ARCHES BUILT FROM SUPER-TOUGH POLYMER RESIN SYSTEM.

Allows for light weight and flexible impact dispersion.

ALLOY STIFFENING FRAME

Made from anodized aerospace grade alloy.

Improves energy dispersion with minimal weight and bulk.

BODY PADDING

Proprietary TPU Impact foam upper.

Corrugated performance foam lower.

Compatible with aftermarket channel inserts.

HEAVY DUTY BELT SYSTEM

Coated nylon belts and stainless steel hardware provide a secure and reliable fit.

Neoprene belt pads improve comfort and wearability.

Belt management slots for a sleek and seamless look.

FLEX HINGE

Body padding upper and lower sections joined together with a hinge designed to improve flexibility and range of motion.

SC18 EPAULETS AND REVERSE CUPS

8-Point front swivel connection.

4-Point rear swivel connection.

QUICK CHANGE BODY PADDING

Body padding is easily removed for cleaning and maintenance.

COMFORT

Neoprene neckroll for industry-best comfort.

Removable front deltoid pads.



SIZE CHART

VARSITY					
SIZE	S	M	L	XL	XXL
INCHES	16-17	17-18	18-20	20-21	21-22



VELOCITY 2 YOUTH TD

- ① LIGHTWEIGHT PAD BUILT SPECIFICALLY FOR THE YOUTH/MIDDLE SCHOOL MARKET
- ② LOW PROFILE, UNRESTRICTED RANGE OF MOTION AND SUPERIOR COMFORT
- ③ ALL-PURPOSE DESIGN, SUITABLE FOR ALL POSITIONS

KEY FEATURES

INJECTION MOLDED ARCH

Allows for lower profile and lighter weight arches.

ARCHES BUILT FROM SUPER-TOUGH POLYMER RESIN SYSTEM

Allows for light weight and flexible impact dispersion.

LOW PROFILE STERNUM PLATE

Increases impact coverage in chest area without adding excessive bulk.

BODY PADDING

High Performance impact foam.

Low-Profile thickness improves comfort and mobility.

HEAVY DUTY BELT SYSTEM

Coated nylon belts and stainless steel hardware provide a secure and reliable fit.

Belt management slots for a sleek look.

X-18Y EPAULETS AND YOUTH CUPS

Flex-cord front connection.

4-Point rear swivel connection.

QUICK CHANGE BODY PADDING

Body padding is easily removed for cleaning and maintenance.



SIZE CHART

YOUTH

SIZE	S	M	L	XL
INCHES	15-17	17-18	18-20	20-21



FLYTE 2 TD

- ① LIGHTWEIGHT PAD BUILT SPECIFICALLY FOR THE YOUTH MARKET
- ② LOW PROFILE, UNRESTRICTED RANGE OF MOTION AND SUPERIOR COMFORT
- ③ ALL-PURPOSE DESIGN, SUITABLE FOR ALL POSITIONS

KEY FEATURES

INJECTION MOLDED ARCH

Allows for lower profile and lighter weight arches.

ARCHES BUILT FROM SUPER-TOUGH POLYMER RESIN SYSTEM

Allows for light weight and flexible impact dispersion.

LOW PROFILE STERNUM PLATE

Increases impact coverage in chest area without adding excessive bulk.

BODY PADDING

High Performance impact foam.

Low-Profile thickness improves comfort and mobility.

HEAVY DUTY BELT SYSTEM

Coated nylon belts and stainless steel hardware provide a secure and reliable fit.

Belt management slots for a sleek look.

X-18Y EPAULETS AND YOUTH CUPS

Flex-cord front connection.

4-Point rear swivel connection.

Neoprene neckroll for industry-best comfort.

QUICK CHANGE BODY PADDING

Body padding is easily removed for cleaning and maintenance.



SIZE CHART

YOUTH

SIZE	XS	S	M	L
INCHES	11-12	12-13	13-14	14-15
WEIGHT	35-50 LBS	45-70 LBS	65-85 LBS	80-105 LBS



ACCESSORIES

PERFORMANCE

XENITH BACKPLATE

KEY FEATURES

- Sleek, 6-sided polygon shape.
- Compression Molded Plate.
- Air management padding system.
- Compatible with all Xenith shoulder pads and most competitor shoulder pads.



XFLECTION BACKPLATE

KEY FEATURES

- Low-profile ergonomic shape.
- Injection Molded Impact Plate.
- High Performance Impact Foam padding system.
- Compatible with all Xenith shoulder pads and most competitor shoulder pads.
- Available in Youth and Varsity Sizes.



XFLECTION CORE GUARD

KEY FEATURES

- The Xenith Core Guard provides core protection for your ribs and lower back.
- Features adjustable and removable rib pads and attaches to all Xenith shoulder pads and most other brands.
- Can also be worn individually with shoulder straps (included).
- Available in sizes Small (Youth) and Large (Varsity).





SOFT GOODS

CINCH BAG



SPECIFICS

Simple Cinch Bag with Premium features and functionality.

Thick, padded cord.

Side zipper pocket.

Synthetic leather bottom panel.

Vented bottom panel.

TEAM EQUIPMENT BAGS



SPECIFICS

Do-it-all duffle and equipment bag. Holds multiple shoulder pads, helmets, footballs, or other items.

Heavy-duty nylon material.

Removable side panel for team decoration.

Zippered main compartment with padded structure.

Removable padded shoulder strap.

Padded handles.

BACKPACK



SPECIFICS

Tactical style backpack loaded with functionality to take you and your things from class to the locker room, the field, and anywhere else you're going.

Synthetic leather top flap with water-resistant zipper.

Side water bottle pocket.

Tactical loops.

D-rings on straps.

Adjustable cinch top – located underneath the synthetic leather strap, provides additional security for your items, and allows for adjustment to what you're carrying.

Internal laptop pocket.

Padded back panel.

Adjustable shoulder straps.

WWIP

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