

INFORMATION HANDOUT

MATERIALS INFORMATION

ABSORB 350 CRASH CUSHION SYSTEM

ACZ-350 PORTABLE TL-3 END TREATMENT

ROUTE: SB-101-55.0



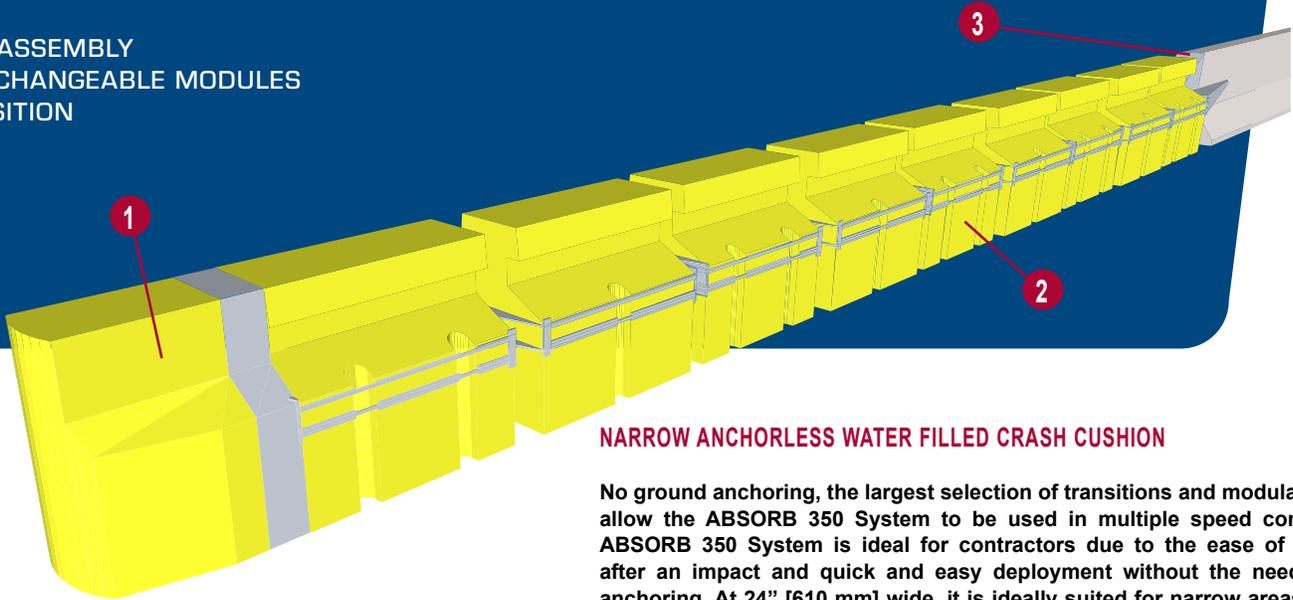
ABSORB 350[®] Crash Cushion System

- Cost Effective Protection from Concrete Barrier Ends
- Permanent or Work Zone Applications
- Contractor Friendly
- Anchorless Installation - No Foundation Required
- Worldwide Proven Performance



ABSORB 350® System

- 1 NOSE ASSEMBLY
- 2 INTERCHANGEABLE MODULES
- 3 TRANSITION



NARROW ANCHORLESS WATER FILLED CRASH CUSHION

No ground anchoring, the largest selection of transitions and modular technology allow the ABSORB 350 System to be used in multiple speed conditions. The ABSORB 350 System is ideal for contractors due to the ease of maintenance after an impact and quick and easy deployment without the need for ground anchoring. At 24" [610 mm] wide, it is ideally suited for narrow areas where road and workspace is limited. ABSORB 350 System is easy to install and is easier to restore after an impact than other non-redirective crash cushions because the system uses uniform modular components.

FEATURES

- Easily transitioned to multiple widths and shapes of barriers
- Permanent or work zone applications
- Meets NCHRP 350 TL-1, TL2, TL-3 test criteria
- Rapid deployment and retrieval
- Can be deployed on any road surface
- Reusable nose and transition after most design impacts
- Narrow footprint
- No ground anchoring required
- Low initial price

WHERE TO USE

- Highway Construction Zones
- City and Municipal Construction Zones
- Bridge Decks
- Side of Road

PHYSICAL SPECIFICATIONS

| | |
|------------------------|--------------------------|
| TL-3 Length | 9.7 m [31' 10"] |
| Width | 610 mm [24"] |
| Height | 813 mm [32"] |
| Module Weight Empty | 50 kg [110 lb] |
| Test Performance Level | NCHRP 350 TL-1 TL-2 TL-3 |



FREQUENTLY ASKED QUESTIONS

CAN THE NOSE BE ANGLED OFF THE BARRIER TO BETTER FACE TRAFFIC?

The nose can be angled off to face traffic as long as all of the ABSORB 350 modules remain pinned and connected. For larger angles, it is recommended that the last barrier section be moved to face traffic.

WHAT TRANSITIONS ARE AVAILABLE?

The ABSORB 350 System is available with dozens of transition options including attachments to; standard, K rail/NJ shape, Wide NJ shape, Extra wide NJ shape, F shape, I-Lock, smooth face, JJ Hook, QMB, ArmorGuard®, BarrierGuard® and ZoneGuard®.

CAN THE ABSORB 350 SYSTEM BE MOVED WHILE FILLED?

The ABSORB 350 System is rigid enough to be repositioned filled with water as an entire system by simply sliding optional wheels under each element. The ABSORB 350 can also be easily moved unfilled as an entire system.

CAN THE ABSORB 350 BE USED DURING COLD WEATHER?

Since ABSORB 350 elements have no internal steel parts, the use of any approved anti icing chemical is acceptable.



The ABSORB 350 System can be easily moved while filled with water quickly and easily using the optional wheeled lifting device.

General details for the ABSORB 350 System are subject to change without notice to reflect improvements and upgrades. Additional information is available from Barrier Systems, Inc.

DISTRIBUTED BY:

BARRIER SYSTEMS

A LINDSAY TRANSPORTATION SOLUTIONS COMPANY

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ACZ-350™

PORTABLE
TL-2 & TL-3
END
TREATMENT



OVERVIEW

The ACZ-350 System combines ease of use and NCHRP 350, gating, non-redirective TL-2 and TL-3 crash cushion performance for work zone protection. This partially reusable crash cushion can be easily transported, and installed with No Roadway Anchors.

SUPERIOR IMPACT PERFORMANCE

The unique design of the ACZ-350 systems protects errant drivers from impacting concrete barrier ends, and also contains the errant vehicle from vaulting into the workzone.

NON-REDIRECTIVE, GATING CRASH CUSHION SYSTEM

All Crash Cushions defined as Non-redirective and Gating require a clear zone. Clear Zones are areas behind the crash cushion that NO workers, machinery, obstructions or other debris could interfere with an errant vehicle. This area should also remain relatively flat. If there are any questions or concerns, please contact your local Energy Absorption Systems, Inc. representative.

FEATURES AND BENEFITS

- No Vaulting
- Safely contains errant vehicle
- Accommodates impacts up to 2,000 kg, (4,500 lbs) traveling at speeds up to 100 km/h (62 mph)
- Simple and Fast Installation
- Protects Permanent or Temporary, Steel or Concrete Barrier
- Ideal for Work Zones
- No Foundation or Anchoring

EASY CLEAN-UP
NARROW PROFILE
MINIMUM INTRUSION
LOW COST/ AFFORDABLE
QUICK/EASY TO MOVE

ACZ-350™



ENERGY ABSORPTION
SYSTEMS, INC.

SAVING LIVES BY DESIGN®

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EASY DEPLOYMENT AND REMOVAL

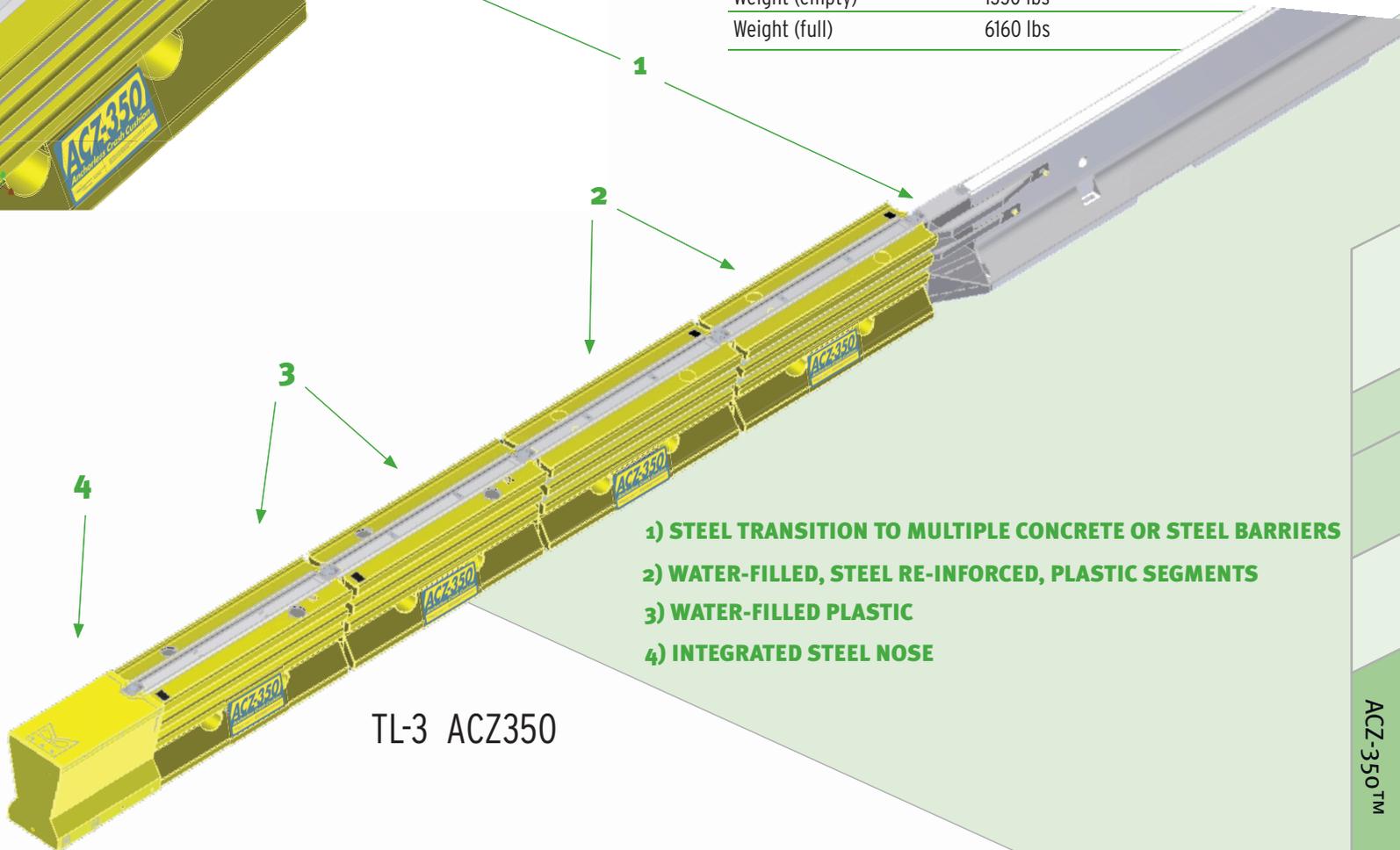
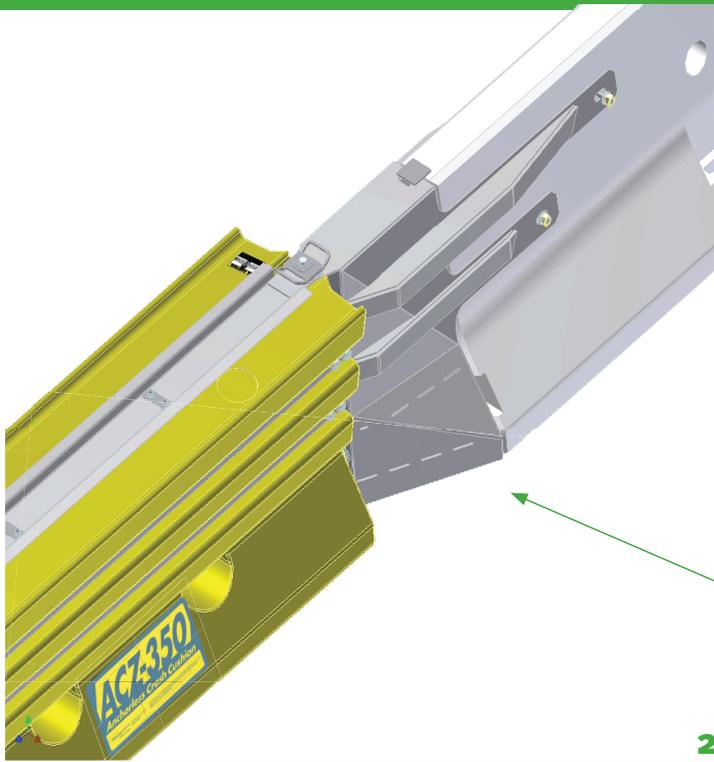
The ACZ-350 System can be easily unloaded and positioned without cranes or heavy equipment. Deployment involves three simple steps:

1. Unload
2. Position and pin barrier sections.
3. Fill Segments with water

SPECIFICATIONS

TL-3

| | |
|----------------|----------------|
| Length | 31'-7" (9.6 m) |
| Width | 1'-10" (.6m) |
| Height | 2' 9" (.8m) |
| Weight (empty) | 1350 lbs |
| Weight (full) | 6160 lbs |



- 1) STEEL TRANSITION TO MULTIPLE CONCRETE OR STEEL BARRIERS
- 2) WATER-FILLED, STEEL RE-INFORCED, PLASTIC SEGMENTS
- 3) WATER-FILLED PLASTIC
- 4) INTEGRATED STEEL NOSE

TL-3 ACZ350

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