

SAFETY HEADGEAR

DESCRIPTION AND USE

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1. GENERAL

- 1.01 This section covers the description, use, and care of safety headgear.
- 1.02 This section is revised to show the new physical appearance of safety headgear, to include the new Shockgard suspension, and to make miscellaneous changes.
- 1.03 Safety headgear is designed to act as both a shield and a shock absorber to protect against head injuries. The headgear is also designed to provide protection against electric shock in case of accidental contact with electrically energized objects.
- 1.04 The use of safety headgear in no way reduces the need for good job planning or the requirements for observing the safety precautions

outlined in other sections of the Bell System Practices.

2. DESCRIPTION

2.01 Safety headgear is available in either a hat or cap style. The hats and caps consist of a molded, high-impact plastic shell equipped with detachable suspensions which are adjustable to different head sizes. Both styles are available in white color only with a pair of parallel reflective stripes (one blue and one ochre) running from front to back and a heat branded Bell symbol on each side of the headgear.

SHOCKGARD MARK II SAFETY HEADGEAR

- 2.02 Shockgard Mark II Safety Headgear is illustrated in Fig. 1.
- 2.03 The suspension for the Shockgard Mark II safety hat and safety cap consists of an adjustable molded plastic band with a sweatband and straps attached. The straps are in a double-strap arrangement that ensures proper clearance between the top of the head and the inside of the hat or cap crown. A nape strap is provided as an integral part of the suspension. A view of the suspension removed from the headgear to illustrate the size adjustment and nape strap is shown in Fig. 2. A view of the suspension mounted in the cap is shown in Fig. 3.

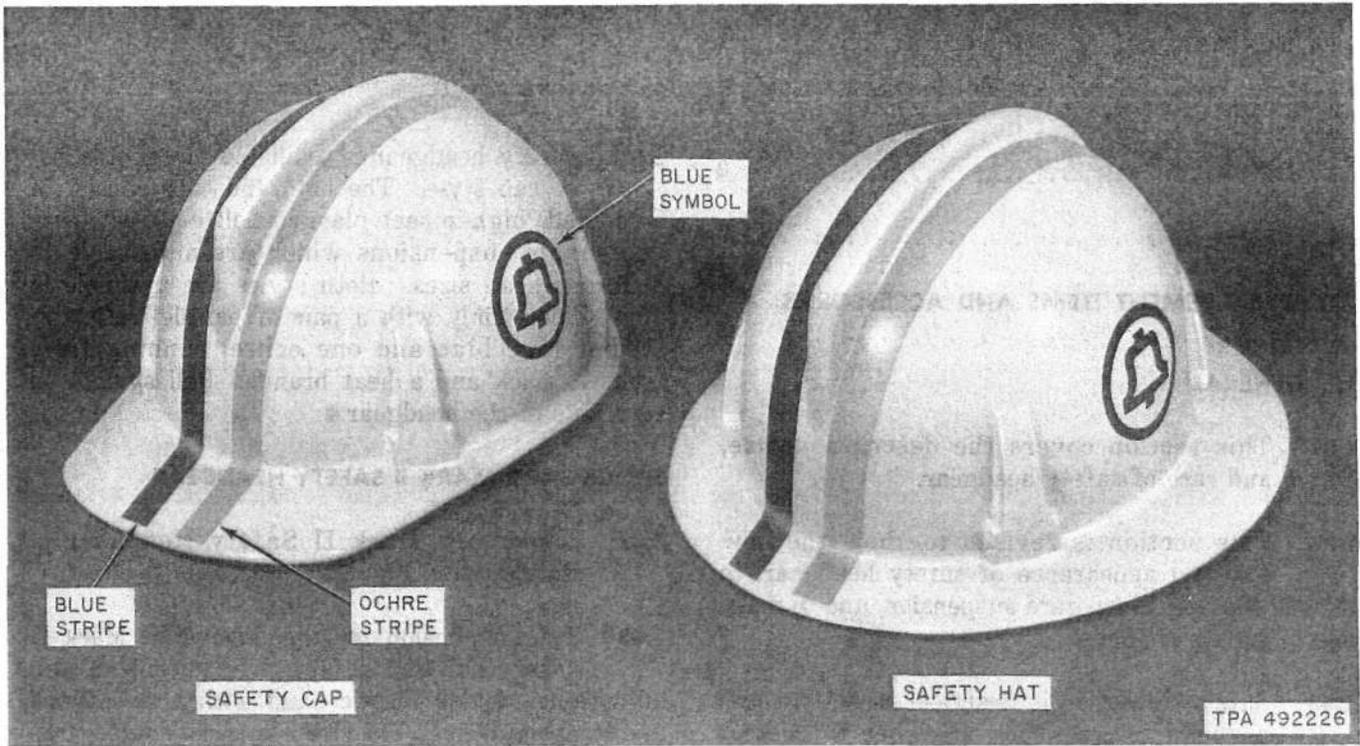


Fig. 1—Shockgard Mark II Safety Headgear

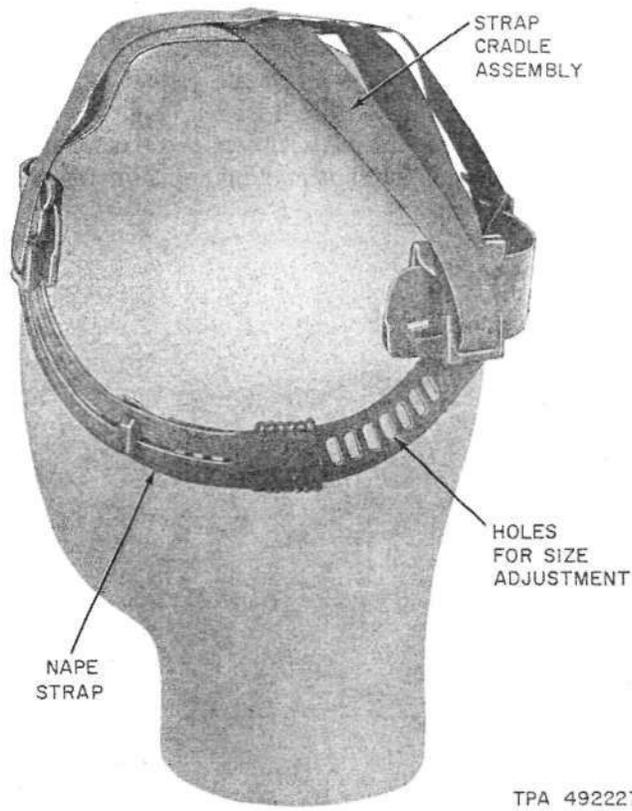


Fig. 2—Suspension for Shockgard Mark II Safety Headgear



Fig. 3—Shockgard Mark II Safety Cap—View Showing Suspension

2.04 Winter liners for use with Shockgard Mark II Safety Headgear are available as accessory items. The winter liner may be worn with the suspension either under or over the liner as shown in Fig. 4 and 5.

2.05 When a Shockgard Mark II safety hat or cap is being worn and it is necessary to use a head telephone set, the headband should be worn over the suspension as illustrated in Fig. 6. The headband may be placed between the suspension and hat or cap shell without making any adjustments to the suspension.

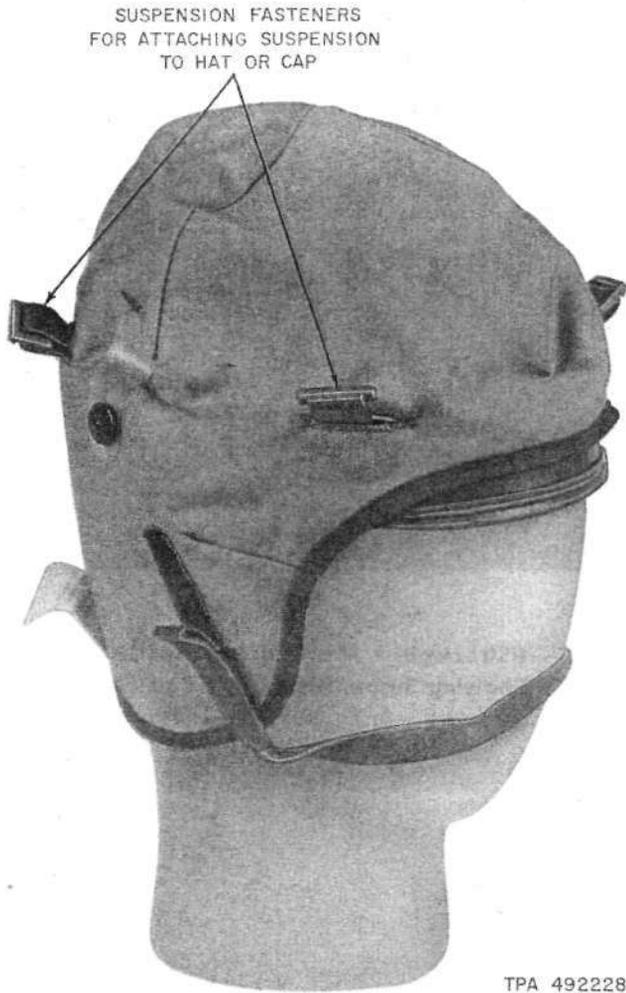
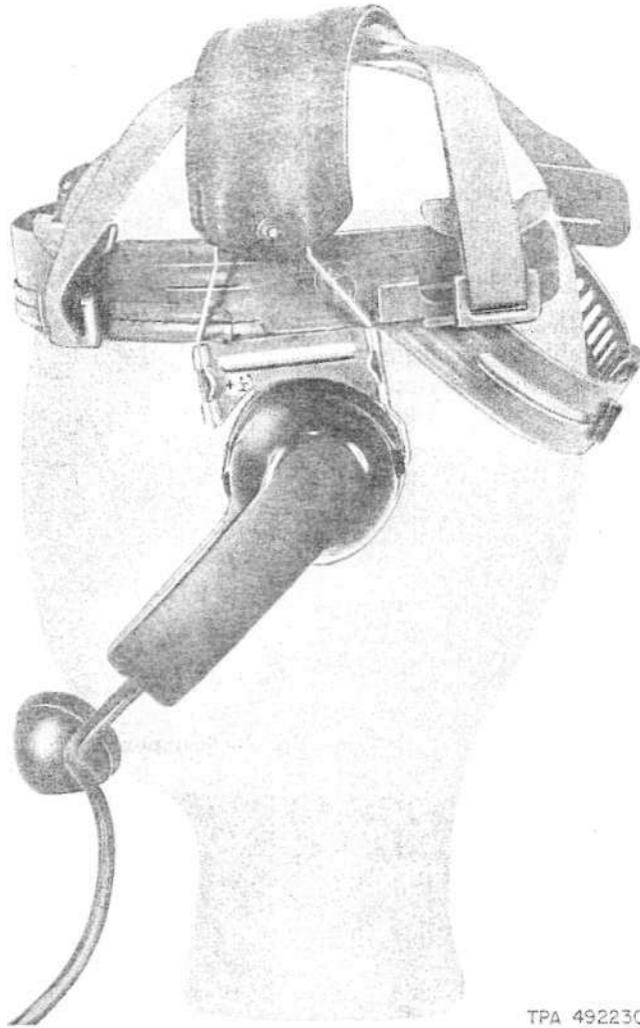


Fig. 4 → Winter-Liner for Shockgard Mark II Headgear with Suspension Under Liner



Fig. 5 → Winter Liner for Shockgard Mark II Headgear with Suspension Over Liner



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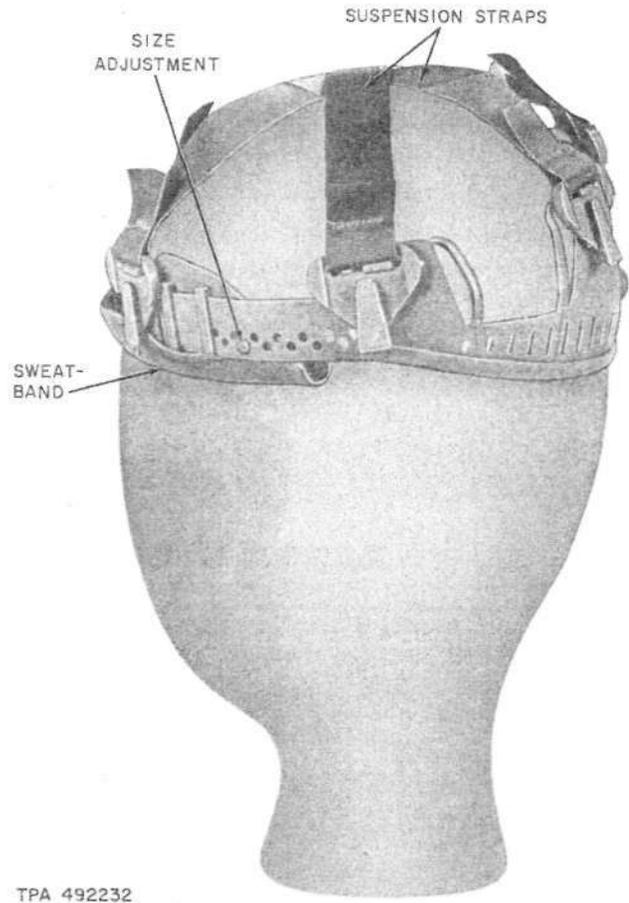
Fig. 6—Headband Worn Over Suspension of Shockgard Mark II Headgear (shell removed for clarity)

ESTHERENE II SAFETY HEADGEAR

2.06 The Estherene II Safety Headgear illustrated in Fig. 7 is available in either a safety cap or safety hat style.

2.07 The suspension for the Estherene II safety hat and safety cap consists of an adjustable molded plastic band with a sweatband and straps attached. The straps are not adjustable but are fixed to provide clearance between the top of the head and the inside of the hat or cap shell. The suspension removed from the headgear is shown in Fig. 8. A view of the suspension mounted in the hat is shown in Fig. 9.

2.08 Winter liners for use with Estherene II Safety Headgear are available as accessory items. The liner is worn with the suspension over the liner as illustrated in Fig. 10.



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Fig. 8—Suspension for Estherene II Safety Headgear

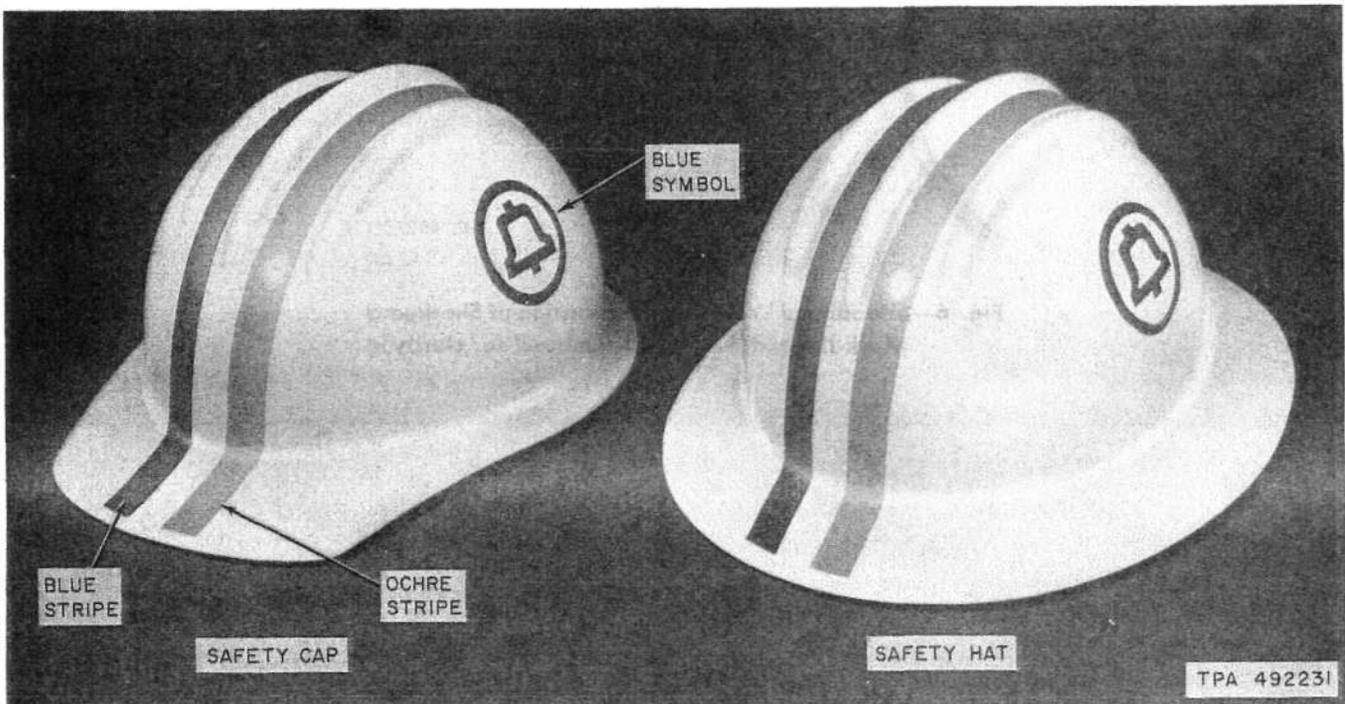


Fig. 7—Estherene II Safety Headgear

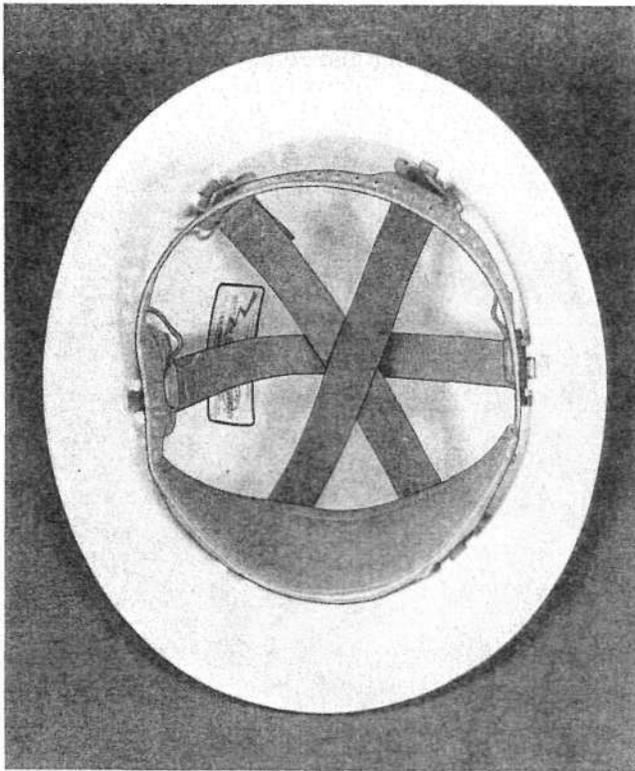


Fig. 9—Estherene II Safety Hat—View Showing Suspension



Fig. 10—Winter-Liner for Estherene II Headgear with Suspension Over Liner

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2.09 When an Estherene II safety hat or cap is being worn and it is necessary to use a head telephone set, the headband should be worn over the suspension. In order to do this, detach the sweatband tabs at each side from the suspension strap hanger (Fig. 11) so the head telephone set may be worn as shown in Fig. 12.

3. USE

3.01 Safety headgear shall be worn by all personnel engaged in outside plant or installation and repair work whenever they are subjected to conditions which could result in (1) head injuries from falling or moving objects or striking against stationary objects or (2) electric shock from accidental contact with electrically energized objects. It is not feasible to cover every situation requiring the use of headgear, however, careful observance of the principles and precautions outlined below will do much to prevent head injuries and electric shock.

3.02 Following are the more common work operations and conditions under which safety headgear shall be worn:

- (a) Performing all kinds of work, ie, line, splicing, installation, and repair work, from aerial lifts or truck mounted ladders.

- (b) Performing work aloft such as from poles, ladders, and platforms.
- (c) Working with, or in the vicinity of construction apparatus and equipment such as derricks, booms, winches, take-up reels, earth boring machines, cable trailers, tractors, trenchers, and cable plows.
- (d) When below work being done aloft or when performing overhead work from the ground such as placing cable blocks on strand, raising wire, and pruning trees.
- (e) All pole placing and removal work.

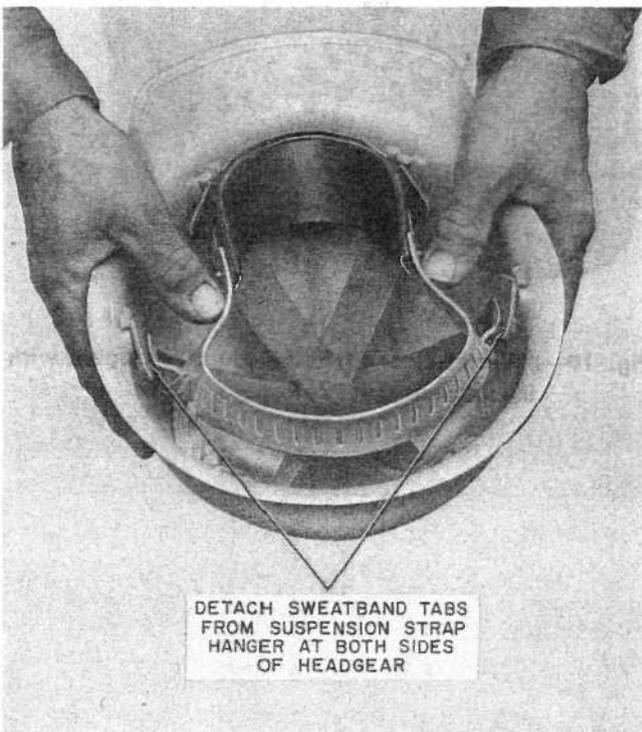


Fig. 11—Detaching Side Sweatband Tabs



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Fig. 12—Headband Worn Over Suspension of Estherene II Hat or Cap (Shell Removed for Clarity)

- (f) Entering, leaving, and working in manholes except when not exposed under the opening and headroom is sufficient.
- (g) Working in any area, or enclosure, where headroom is insufficient, such as in crawl spaces, cellars, and steam tunnels.
- (h) Working in trenches, splicing pits, or other excavations of three feet or over in depth.
- (i) When in or near buildings under construction or being demolished.
- (j) When in an industrial establishment or on other premises where the wearing of head protection is mandatory.
- (k) Storm restoration work.
- (l) Performing blasting operations or when in the vicinity of such operations.

4. CARE

4.01 Safety headgear should be stored where it will not be damaged by other tools. Do not store safety headgear on the rear shelf of an automobile.

Caution: *Do not store on rear shelf of an automobile anything that could be hurled forward in case of a collision.*

4.02 Safety headgear may be cleaned by washing with soap or detergent and water. To clean, remove the suspension and dip the crown in warm, soapy water. ♦If necessary scrub with a cloth or soft brush. A stiff brush may scratch the shell or striping.♦ Rinse in clear, warm water and wipe dry. The suspension may be washed with regular soap and water.

4.03 If safety headgear should be subjected to a severe blow, it should be carefully examined for signs of damage. Any safety hat or cap that becomes cracked, is punctured, or otherwise damaged so its effectiveness may be reduced should be replaced.

4.04 Since some types of paint may damage plastic material, safety headgear should not be painted. If it is desirable to place some identification

on the headgear, a pressure-sensitive adhesive-backed tape should be used ♦on the *inside* of the shell.♦

4.05 ♦No holes or accessories other than identification tape mentioned in 4.04 or items covered in Part 5 shall be added to the headgear.♦

4.06 When chin straps or liners are used, the straps shall not be drawn over the brim or peak as they would reduce the electrical protection provided by the headgear.

5. REPLACEMENT ITEMS AND ACCESSORIES

5.01 The following are the replacement items and accessories for Shockgard Mark II Safety Headgear:

NAME OF ITEM

Liner, Winter, Small (for sizes 6-1/2 to 7-1/8)

Liner, Winter, Standard (for sizes 7 to 7-5/8)

♦Suspension, STAZ-ON, No. 454232♦

Cradle, Strap Assembly

Sweatband, Perforated Vinyl, Polyurethane Foam Backing

5.02 The following are the replacement items and accessories for Estherene II Safety Headgear:

NAME OF ITEM

Liner, Winter (standard weight with chin tie cords)

Liner, Winter (standard weight with elastic chin strap)

Liner, Winter (heavy weight with elastic chin strap)

Note: ♦The three types of winter liners are available in three sizes:

Small—6 5/8 to 6 7/8

Medium—7 to 7 1/4

Large—7 3/8 to 7 3/4♦

Suspension, Dihedral Cushion