LEATT® NECK BRACE VS. NO BRACE

NECK FORCES WITH NO-BRACE



EXTENSION

OVER-BENDING OF THE HEAD IN REARWARD DIRECTION.

$$\sqrt{{M_i}^2 + F_i}$$

HYPER-TRANSLATION

EXTREME MOVEMENT OF HEAD AND HELMET. REARWARD ON THE NECK.

 F_{x}

FLEXION

OVER-BENDING OF THE HEAD IN FORWARD DIRECTION.

$$M_i^2 + F_i^2$$

LATERAL HYPER-**FLEXION**

OVER-BENDING OF THE HEAD TO ONE SIDE.

$$\sqrt{M_i^2 + F_i^2}$$

AXIAL LOADING

HELPS PREVENT AXIAL LOADING ONLY WHEN THE AXIAL FORCES ACT IN COMBINATION WITH OTHER MECHANISMS.

