

WorldSID 50M Euro NCAP ATD

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Humanetics is offering a Euro NCAP version of the WorldSID 50M ATD as specified in their side impact test protocols.

Background

The ISO WorldSID Task Group continues to evaluate and improve the usability and performance of the WorldSID 50M ATD. New updates and improvements have been recently approved by the ISO Task Group for inclusion into ISO/PDTS 15830.

The following components have been accepted into the November 2017 revision of the Euro NCAP protocols that specify the use of the WorldSID 50M and are included in the Euro NCAP version of the dummy:

- Updated neck shroud (also in Standard SBL)
- Sleeveless suit
- Updated clevis & arm (also in Standard SBL)
- Peak pubic force parameter (also in Standard SBL)

Updated Neck Shroud

Under the direction of the Task Group, Humanetics has made some durability changes to the construction of the WorldSID 50M neck shroud. These changes include a new material (and color) and a broader binding surface on the neck ring for the material to adhere, which helps eliminate separation.

As of April 2018, the new neck shroud is now included in all builds of the WorldSID 50M ATD.

Sleeveless Suit

The Task Group designed a sleeveless suit that will eliminate additional uncertainties in the arm positioning. The remaining arm hole has also been tightened up for better fit.

Updated Clevis & Arm

With the help of the Task Group, Humanetics beefed up the design of the clevis, using larger plunger ball holes that seat the arm into position. These new click stops improve the set-up performance as the arm position is better defined. Included in all builds since March 2016.*

**See WorldSID 50M New Clevis & Arm bulletin published in March 2016 for additional information.*

Peak Pubic Force Parameter

In August 2017 the ISO WorldSID Task Group approved an additional test for the Peak Pubic Force in the pelvis. Currently in the monitoring stage, corridors are not yet included with the current test result.

Euro NCAP WorldSID 50M ATD

Updated components that are included in the Euro NCAP build of the WorldSID 50M:

Euro NCAP ATD	
W50-00000 -ENCAP	Euro NCAP WorldSID 50M ATD

Euro NCAP SBL	Description	Standard SBL
W50-24017	Neck Shroud Assy	W50-24017
W50-80200	Suit, Sleeveless	W50-80100
W50-63112	Clevis Assy Left	W50-63112
W50-63111	Clevis Assy Right	W50-63111
W50-63100	Half Arm Molded	W50-63100