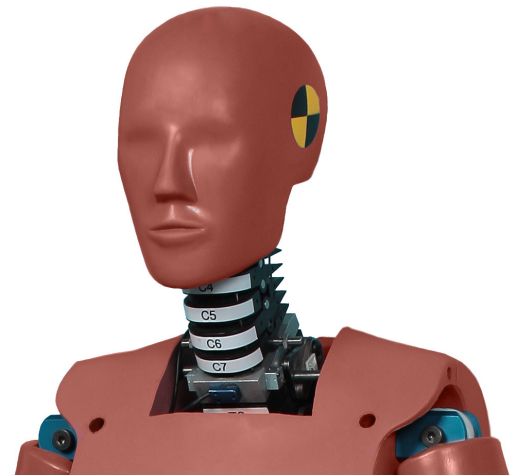


BioRID Spine Bumpers

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Humanetics has improved upon BioRID spinal column bumper traceability and validation by adding traceable serial numbers to the product and implementing new testing procedures.

Serial and Cavity Numbering

BioRID spinal column bumpers will now come with serial and cavity numbers on separate sides of the bumper. This will allow easy traceability of every bumper and allow quick identification of batch and mold cavities in the event of failures and test variability in the field. *See figure 1.*

Validation

BioRID bumper performance was previously characterized using durometer hardness measurements according to standard ASTM test methods. Durometer measurements provide a rough indication of bumper performance.

To better characterize bumper performance compression testing is now being performed using industry-leading test equipment.

Part	Description
ARA-220	Cervical Front & Rear (Black)
ARA-227	Cervical, Rear, (Yellow)
ARA-379	Thoracic, Rear, (White)
ARA-380	Thoracic, Rear, (Blue)
ARA-381-30	Thoracic, Front, (Yellow)
ARA-381-37	Thoracic, Front, (Black)
ARA-520	Lumbar, Rear, (Black)
ARA-521	Lumbar, Front, (Black)

Serial Number Cavity Number



ARA-227



ARA-220



ARA-381-30

The markings for the following bumpers with different material pigments will follow the same format as the ARA-381-30:

- ARA-381-37 (black)
- ARA-379 (white)
- ARA-380 (blue)



ARA-520 & ARA-521

Figure 1 - Serial and cavity numbering for each bumper