

Ezy-Mark™ Core Orientation Grading Process.

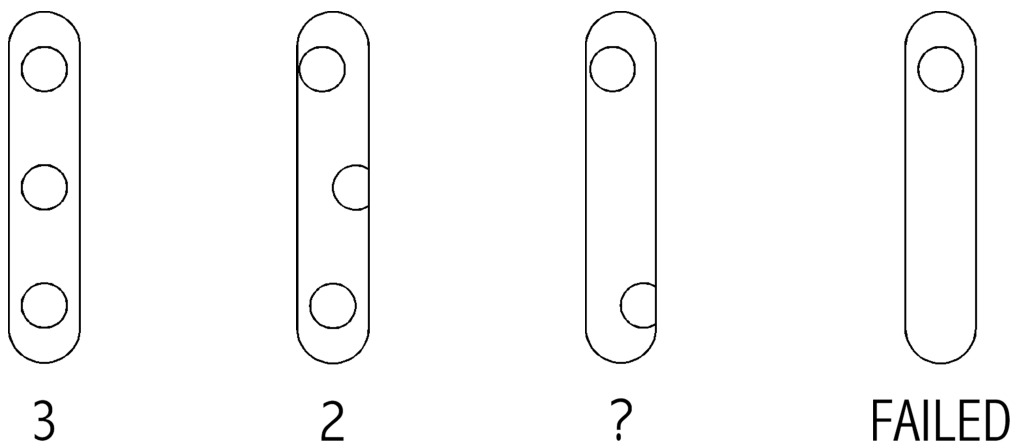
2iC Australia Pty Ltd has set the standard in core orientation accountability and audit-ability with the introduction of a new and easy to use Core Orientation Grading Chart.

As the Ezy-Mark™ is not “**Black Box**” in design, this new and revolutionary standard in core orientation allows Drill Rig Operators, Geologists and Core Technicians to identify a problem either with the operating procedure of the Ezy-Mark™ system or a mechanical problem with the actual Ezy-Mark™ being used at the drill rig, thus minimising the possibility of large sections of core being either poorly or incorrectly orientated. The adoption of this procedure can also help Geologists and Core Technicians determine which orientations in an apparently incorrect sample delivered to the Core Yard are true orientations of the gravitational bottom side of a core sample and which are not. Thus allowing the recovery of whole sections of poorly or incorrectly orientated core by transferring the known and verifiable data to previous and post core runs that have been shown to be incorrect, and also avoiding costly hole re-drills.



Ezy-Mark™ Orientation Grading Chart (example only):

Grade each orientation to allow rapid identification of tool or operator problems as well the recovery of poor or failed orientations.





The **Ezy-Mark™ Orientation Grading Chart** sets the standard in core orientation verification and recovery. By utilising this simple guide, the Drill Rig Operator can grade and mark each orientation directly onto the core sample or in the drill logs, with either, a grade 3, grade 2, questionable grade or failed orientation depending on the number and position of each independent gravitational orientation ball sighted through the viewing slot in the Ezy-Mark™ Core Cradle. This allows the drill rig operator to quickly correct any inappropriate and unspecified operating procedure that may be employed (e.g. dropping of the inner core tube into the

standing water table) or identify and isolate an unserviceable Ezy-Mark™ tool to be exchanged for a new tool immediately.

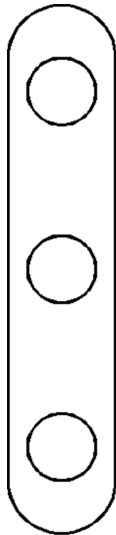
Once the core has reached the Core Yard, the Orientation Grading Procedure also allows Geologists and Core Technicians to visually and quickly verify Grade 3 and Grade 2 orientations, which when compared to each other should correlate to within 5 degrees. Once verified, these audited orientations can then be used, if necessary, to correct questionable or failed orientations in adjacent core runs, thus making the audit-ability and verifiable nature of each Ezy-Mark™ orientation something that can be fully relied upon and independently audited at any time in the future.



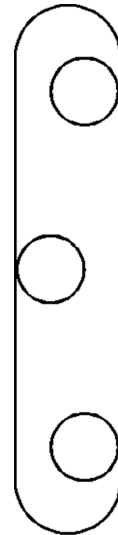
Ezy-Mark™ Too Ezy

Ezy-Mark™ Core Orientation Grading Chart

To maintain accountability and maximise audit-ability, all orientation lines on core samples should be graded as follows:

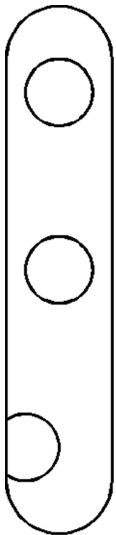


3

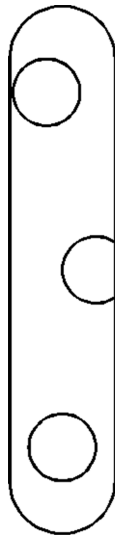


3

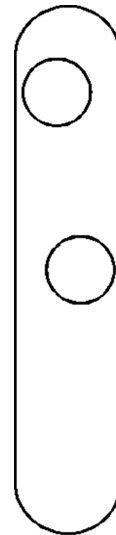
Grade 3 = Good Quality Orientation



2



2



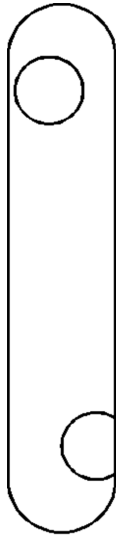
2

Grade 2 = Average Quality Orientation.

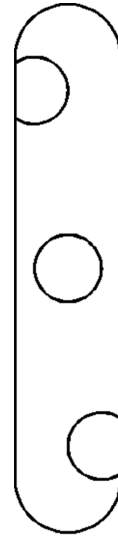
Review operating procedure if three Grade 2 orientations occur in succession.

3 of 4

Replace tool if three Grade 2 orientations occur in succession with same tool.



?



?

Grade ? = Questionable Quality Orientation.

Review operating procedure if three Questionable (?) orientations occur in succession.
Replace tool if three Questionable (?) orientations occur in succession with same tool.



FAILED

Review operating procedure if three **Failed** orientations occur in succession.
Replace tool if three **Failed** orientations occur in succession with same tool.