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EzyRings V1.07

Release Notes

15th March 2023



Version Highlights

System

New parameters added to reverse dip, dump, and bearing angles
New rig dump types added
 U 0 90 180 360 Clockwise
 U 0 90 180 360 Anticlockwise
Added support for the MS Access accdb file format
Updated PDF system libraries
Added support for the new Surpac DSLS licensing system

Sectioning

Slice table validated on apply now to prevent circular error messages.
When re-sectioning for 1 section the following section would be deleted
Problem with file browser in form tables is now fixed.
Open stope segments are now closed and not deleted

Database

Ability to copy a column or table to the system copy/paste buffer
Delay field in the database now supports non numeric names
The eye viewer was incorrect for reversed rings
Reverse bearing setting now reflected in viewer
Reverse dump setting now reflected in viewer
Was incorrectly joining closed shapes in the viewer
Last visited ring is now stored correctly when exiting the database
Corrected problems when opening a different database when in the database window.



Upload

Upload ring would fail in later version of Surpac
Was not uploading the hole BT value
When uploading a ring multiple times it was possible to append data into the charging table.

Reports

Ability to insert reportable items anywhere on a report

New reportable items:

- hole_charged_length
- hole_uncharged_length
- hole_number_of_primers
- charge_no_primers
- ring_direction
- ring_view_direction

Fixed problem calculating number of primers per charge

Ring would sometimes appear out of scale on the plot

All closed segments made clockwise is to ensure polygon fills correctly

Angles now reported according to new reversed angles settings

Added ability to produce fully customised reports

Minovar export corrections

IREDES output for Sandvik corrections



Recommendations

The following versions of *Surpac* have been tested with *EzyRings* and appear to be stable;

- Surpac 2019 (V7.0)
- Surpac 2020 (V7.2)
- Surpac 2021 (V7.4)
- Surpac 2021 (V7.4)
- Surpac 2022 (V7.5)



Surpac 2020.1 (V7.3) has issues drawing the drilling mast and is not recommended for *EzyRings*.



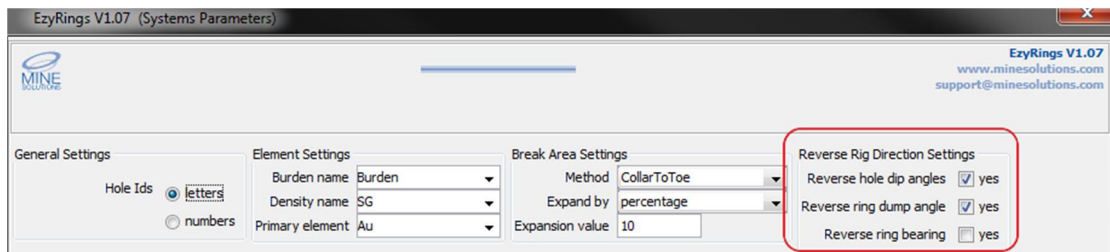
Surpac versions from V7.0 to V7.5 have an issue with sizing buttons and images on forms. This only affects the aesthetics of the forms and not functionality. This issue has been rectified in the upcoming release.





System

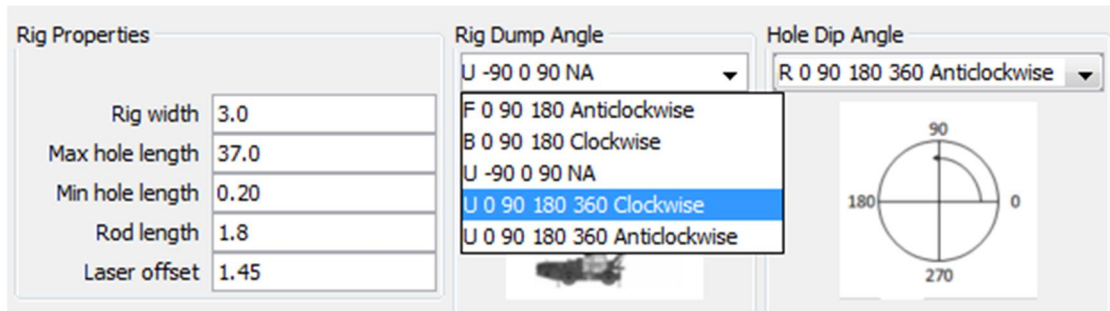
New parameters have been added to allow the dip, dump, and bearing angles to be reversed when the drilling direction on a ring is reversed. Note that it is only the reported angles on plots that change; the original angles remain the same in the database.



New rig dump types have been added to cater for new drill rigs.

U 0 90 180 360 Clockwise

U 0 90 180 360 Anticlockwise



Added support for the *MS Access* accdb file format. Previously only the old mdb format was supported.

The third party PDF system dll's have been updated.

DS Geovia have implemented a new licensing system called the DSLS that no longer requires a physical sentinel (local or network). Support for this new system has been implemented.



Sectioning

When entering slicing details into the slice table it was possible to get caught in an endless validation loop. Changes have been made so that the table is now validated once the form is applied. Any errors will be shown at that point.

When performing a re-sectioning for one section the following section would be deleted. If you re-sectioned slice 10 then slice 11 would be deleted. This has now been rectified.

A problem with file browser in form tables not working has been fixed.

As part of the section clean-up process in sectioning any open stope segments were deleted. This could cause valid shapes to be missing from the section. Any open stope segments are now automatically closed and not deleted.



Upload

The upload ring could fail in later versions of Surpac. This issue has been fixed.

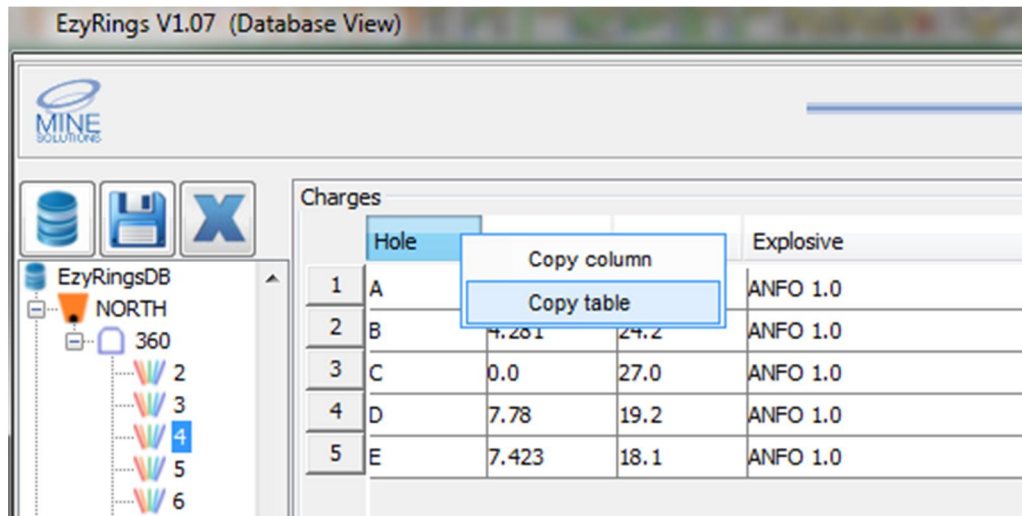
When saving a ring to the database the hole break-thru values were not being uploaded. This has now been rectified.

When uploading a ring multiple times it was possible to append data into the charging table. This will no longer happen.



Database

A new feature that allows you to copy the contents of a column in the database or the entire table has been added. The contents is copied to the system paste buffer which then allows you to paste the information into Excel or any other program.



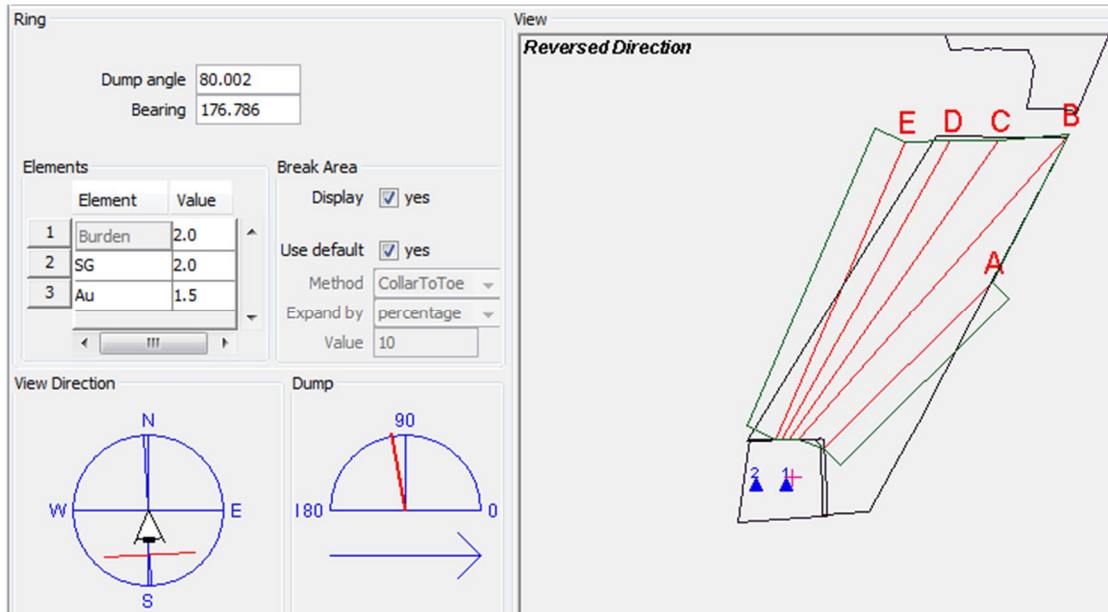
Note that you must click on a column heading in order to bring up the copy popup menu.

The delay field in the charging table now supports non numeric names. For existing databases the schema must be changed to allow this. Please contact support@minesolutions.com for instructions on how to achieve this.

The viewer window in the database was incorrectly joining closed shapes resulting in a mishmash of lines. This has now been rectified such that the ring view reflects the same as the design view.

The reverse bearing and reverse dump settings are now reflected correctly in the viewer.

The eye in the view direction icon was incorrect for reversed rings.



The last visited ring is now stored correctly when exiting the database. Previously this information was lost.

When in database window if an attempt to open another database was made, the system would crash. This issue has been fixed.



Reporting

The ability to insert reportable items, text, and images anywhere on a report has been created. This is done in the report designer under the Text and Images tab. The X position and Y position are given in centimetres measured from the lower left corner of the plot border. See the numbered items below and cross reference with the plot provided on the following page.

EzyRings V1.07 (Report Designer)

MINE SOLUTIONS EzyRings V1.07
 www.minesolutions.com
 support@minesolutions.com

Report

- General
- Report header
- Ring details
- Holes table
- Notes
- Approvals
- Plot Details
- Dump indicator
- Dip indicator
- Overview plan
- Plot drawing
- Text & Images**

Text & Images

You can insert text into fixed positions on the plot. Specify the text and the position on the plot along with text attributes. The position is measured in centimetres (cm) from the bottom left corner of the title block. Right click on the table below to add or remove rows.

Text	X Pos	Y Pos	Font name	B	<i>I</i>	<u>U</u>	Height	Colour	Pen
PLEASE OBSERVE ALL SAFE...	3.0	4.0	Times New Roman	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3	red	4
Looking	14	0.3	Times New Roman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3	black	1

Data value / decimals

Data value / decimals	X Pos	Y Pos	Font name	B	<i>I</i>	<u>U</u>	Height	Colour	Pen	
ring_view_direction	-1	15.5	0.3	Times New Roman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3	black	1
ring_direction	-1	23	0.3	Times New Roman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3	black	1

You can insert pictures from image files such as jpeg, gif, png, etc onto the plot. Specify the image file along with the position on the plot and the images width and height. Position, width, and height are measured in centimetres (cm). The image position is measured from the bottom left corner of the title block. Right click on the table below to add or remove rows.

Image file	Width	Height	X Position	Y Position
MS_EZYRINGS_SHARE:SafetyFirst.png	1.5	1.5	0.5	3.8

Apply Cancel



		vComp Pty Ltd Mine Solutions EzyRings		Scale: 1:250 Dump: 80.0 Bearing: 176.8	Rig Dump Type 	Rig Dip Type 																																																																						
Report Slope NORTH Drive 360 Ring 3	Collar to Collar Offset Rig BUD Des. m 92.0	Date 11 May 22 Burden 2.0 Volume 297.7 Mass 833.5																																																																										
<table border="1"> <thead> <tr> <th>Hole ID</th> <th>Piv No</th> <th>Vert Offset</th> <th>Last Collar</th> <th>Designed Dip</th> <th>Designed Length</th> <th>Designed Diam</th> <th>BT</th> <th>Rods</th> <th>Drilled Length</th> <th>BT</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>1</td> <td>4.0</td> <td>0.0</td> <td>135.0</td> <td>13.0</td> <td>0.070</td> <td>N</td> <td>7.2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B</td> <td>2</td> <td>4.5</td> <td>1.6</td> <td>131.5</td> <td>22.4</td> <td>0.070</td> <td>N</td> <td>12.4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>C</td> <td>2</td> <td>4.5</td> <td>0.5</td> <td>124.9</td> <td>20.0</td> <td>0.070</td> <td>N</td> <td>11.1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>D</td> <td>2</td> <td>4.5</td> <td>0.3</td> <td>119.4</td> <td>18.8</td> <td>0.070</td> <td>N</td> <td>10.5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>E</td> <td>2</td> <td>4.5</td> <td>0.3</td> <td>113.4</td> <td>17.8</td> <td>0.070</td> <td>N</td> <td>9.9</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Hole ID	Piv No	Vert Offset	Last Collar	Designed Dip	Designed Length	Designed Diam	BT	Rods	Drilled Length	BT	Comments	A	1	4.0	0.0	135.0	13.0	0.070	N	7.2				B	2	4.5	1.6	131.5	22.4	0.070	N	12.4				C	2	4.5	0.5	124.9	20.0	0.070	N	11.1				D	2	4.5	0.3	119.4	18.8	0.070	N	10.5				E	2	4.5	0.3	113.4	17.8	0.070	N	9.9				NOTES: <hr/> <hr/> <hr/>		APPROVALS: Engineer _____ Snr Engineer _____ Driller _____ Mine Manager _____	
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A number of new reportable items have also been included as follows:

- hole_charged_length
 - The number of charge segments applied to the hole
- hole_uncharged_length
 - The total number of primers used in the hole
- hole_number_of_primers
 - The total number of primers used in the hole
- charge_no_primers
 - The number of primers used in the charge segment
- ring_direction
 - A literal description of the ring direction, i.e Design direction or Reversed direction
- ring_view_direction
 - A literal description of the ring viewing direction (bearing), i.e looking North, South, East, West, etc

A problem calculating number of primers per charge has been fixed.

The ring would sometimes appear out of scale on the plot due to the dump angle.



All closed segments are now made clockwise is to ensure polygon fills correctly on the plot.

Angles now reported according to new reversed angles settings as discussed in the System section above.

Added ability to produce fully customised reports such as cover sheets. Please email support@minesolutions.com for further information

Several Minovar export corrections have been made.

The IREDES output for Sandvik rigs has been updated.



Request for Enhancements

If there are any new features that you would like to see in upcoming versions of *EzyRings* please email support@minesolutions.com your requests or telephone David on +618 9312 6158.