

Curved rail guide in agriculture vehicle

Ergonomic solution for combine harvesters and tractors

The ergonomic solution

Into the modern harvesters, the farmer has a complete control of all functions using a touch screen interface. For this reason an adaptive, ergonomics and easier adjustable solution allow increase productivity and reduce tiredness. To satisfy this needs Ewellix propose, as part of a strategic project for a “common cab” design for combines or tractors, a rail solution that follow the curve of the control panel.

The rail consists of a black anodized aluminum bar while the moving carriage contains a special friction brake to provide consistent rolling torque and is completely customizable.



Comfort and safety

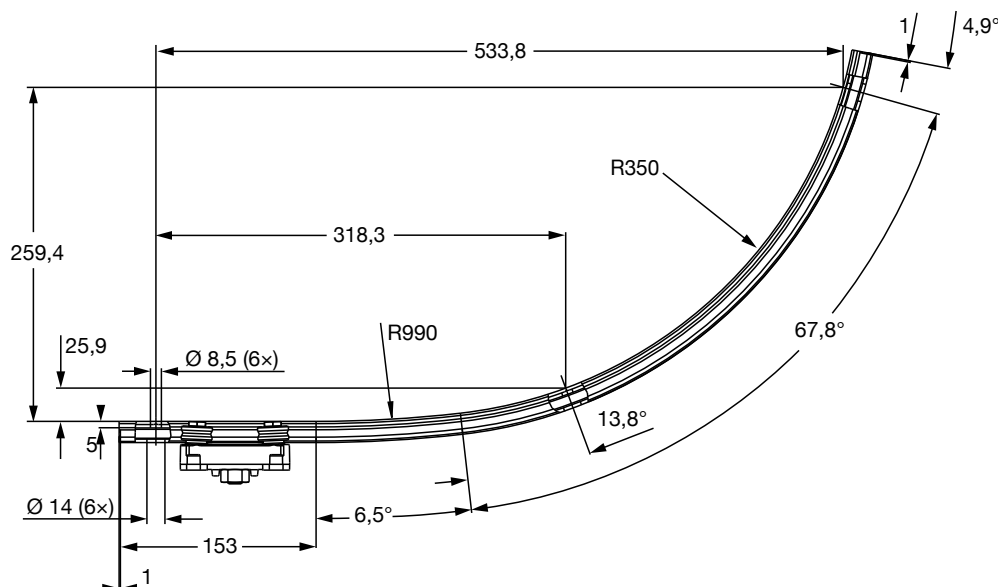
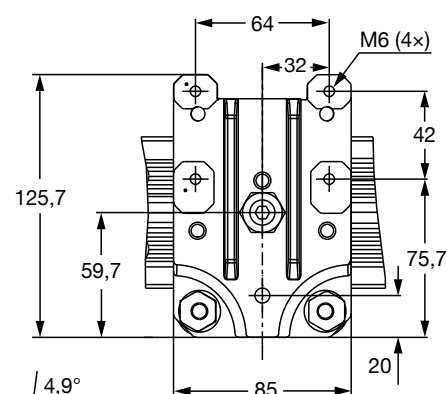
Adjustable positions offer better overview of machine data and machine working area, increasing safety during machine operation.

Moreover easy adjustable position with defined friction force, increase comfort and ergonomics and result easy to use.

Benefits

- Operator adjustable control panel
- Visually and ergonomic pleasing solution
- Follows the contour of the existing cab design
- Increasing safety during machine operation
- Solution withstanding rough environment
- Made out of standardized components

Technical drawing of a cable assembly. The drawing shows a cross-section of the cable with dimensions: 28,6 (width of the cable head), 35 (3x) (width of the cable body), 40,5 (length of the cable head), and 19,95 (3x) (length of the cable body).



Application

Tractor seat

| | Unit | Curved rail guide |
|--------------------------------|------|---|
| Rail length | mm | to be determined by customer |
| Rail radius | ° | to be determined by customer |
| Rail fixing points | – | 3 points, with each 2 fixing screws or on request |
| Rail dimension in height | mm | 72,4 |
| Rail dimension in width | mm | 16,5 |
| Carriage dimension in height | mm | 125,7 |
| Carriage dimension in width | mm | 85 |
| System dimension in depth | mm | 50 |
| Rail and carriage color | – | black |
| Dynamic load carrying capacity | N | 60 |
| Miss use of system (y) | Nm | 75 |
| Friction force of carriages | N | 40 |
| Corrosion protected system | – | to be defined |



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