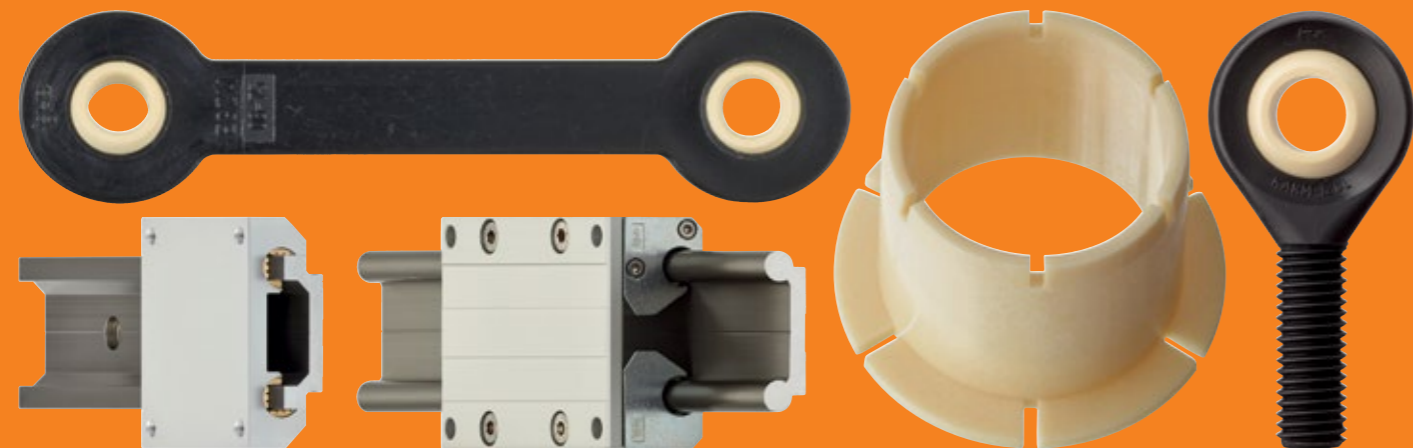
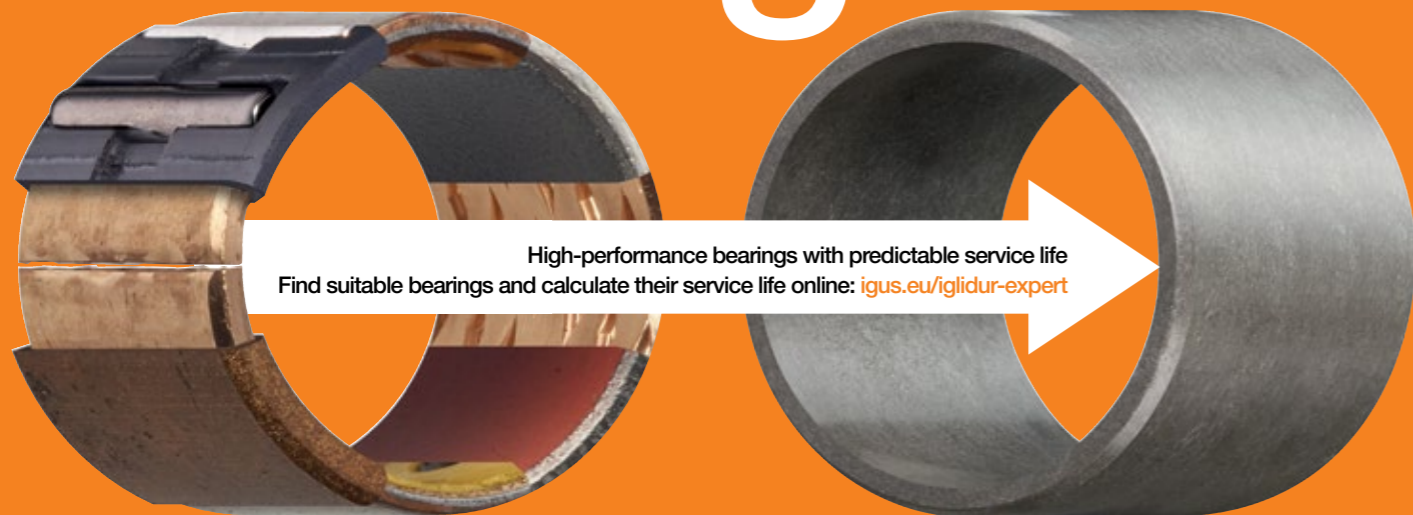


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THE PROFESSIONAL FARM MACHINERY MAGAZINE

SPECIAL REPRINT

FROM 03/2017

Igus Drylin W in-cab mounting system:

Let it slide

Tractor drivers have come up with all manner of mounting systems for positioning control boxes, terminals and screens in cabs. As an adaptable off-the-shelf alternative, the featured set-up also does a top job of tidying the in-cab clutter



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Igus Drylin W in-cab mounting system:

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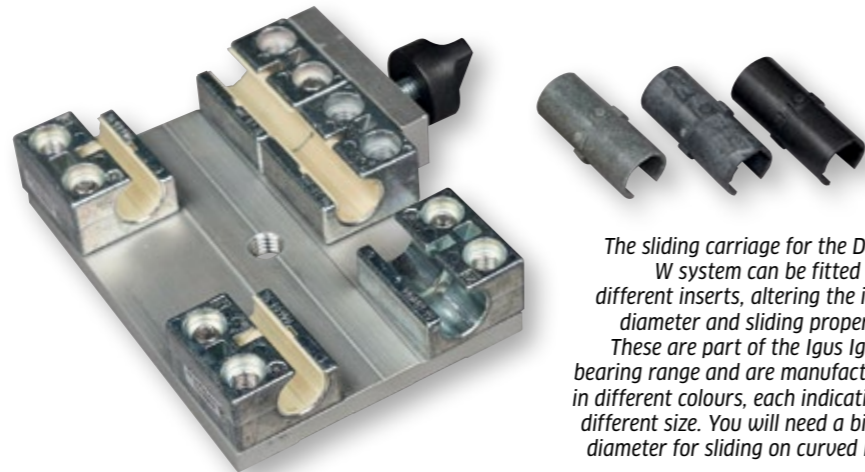
Tractor drivers have come up with all manner of mounting systems for positioning control boxes, terminals and screens in cabs. As an adaptable off-the-shelf alternative, the featured set-up also does a top job of tidying the in-cab clutter



The rail allows operators to conveniently position screens and control boxes, and then simply slide them out of the way when they're not in use.

Sprayers and root harvesting equipment are probably the worst offenders for cluttering up cabs, as there is usually an implement control box, a GPS display and then a couple of camera screens in there for good measure. Finding room for everything can prove tricky, particularly if juggling between other machines and the terminals are left in place. It would be nice to just slide them out of the way when not needed – to allow some daylight back into the cab.

So we thought we'd look for a system that can be retrofitted to any machine cab and accommodate all kinds of monitors and control boxes. Our search eventually led us to German manufacturer Igus, which makes a myriad of plastic spherical, plain and linear bearings, ducts for electrical and hydraulic lines as well as a mounting system for monitors ... and it even has a subsidiary outfit



The sliding carriage for the Drylin W system can be fitted with different inserts, altering the inner diameter and sliding properties. These are part of the Igus Iglidur bearing range and are manufactured in different colours, each indicating a different size. You will need a bigger diameter for sliding on curved rails.

in Northampton where you can buy direct. At the heart of the Drylin W mounting system is a precision fit, hard anodised aluminium rail onto which you can mount any number of sliding carriages to carry a box or screen. These carriages are primarily made from aluminium but then they also

have plastic inserts that need no lubrication and allow smooth travel. A thumb screw is used to lock the carriage in place, eliminating wobbles and rattles. You could even add a Ram Mount to one of the carriages for near perfect control box positioning.

Words DR-D, Photos ST

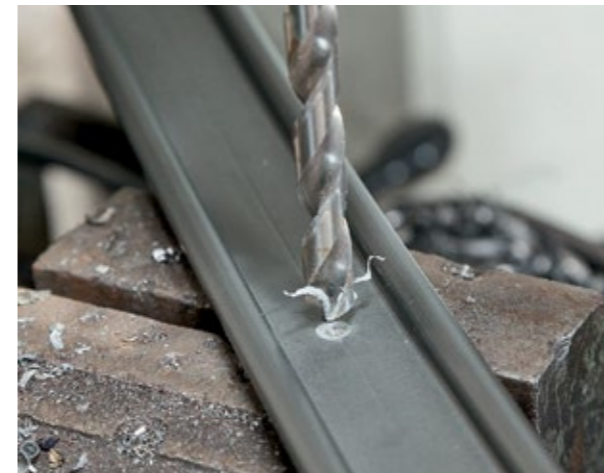
How to mount the rail

Find the mounting holes



Most cabs will have a threaded hole for mounting control boxes. If not immediately visible, they may be hidden behind the plastic trim. Locate, measure twice and drill the trim so you can use the threaded holes. Do NOT drill the ROPS frame.

Cut the rail to length and drill the holes



Cut the rail to size while trying not to damage the anodised surface. This is important for the slider to move smoothly. Once the rail is cut, drill the holes to correspond with the cab mounting holes.

Plan for spacers



You may need to fit spacers to adjust the rail to individual cab requirements and make sure the slider will actually slide to one end. You could get some plastic spacers from an engineering supplier, or use a stack of washers or a length of chopped down tube. Secure with flat head screws that don't stick out.

Igus sells the rail in various lengths up to 4.0m and profiles. The round version (double rail round) is the most common for mounting boxes in tractor cabs. A standard straight rail without mounting holes and a sliding carriage with locking system can be bought directly from Igus UK for around £80 – the complete part number is WK-10-40-10-01-1000-HKA-(LL for larger clearance bearings to suit curved rails). If you go to igus.co.uk and pop agriculture in the search box, you can download their agri catalogue in pdf format.

If the rail needs bending

You can order a curved rail or just bend it yourself. Again, do not damage the surface of the rail; otherwise the sliding carriage will snag. Bending the rail on a wheel is a good method, because the tyre provides a curve and the rubber shouldn't damage the rail.



Attach the monitor to the carriage

The cradle has 6mm threaded holes for fastening the control box. If the holes do not marry up, you may need to make a steel plate to go between the cradle and display/control box.

