



Quality wins out

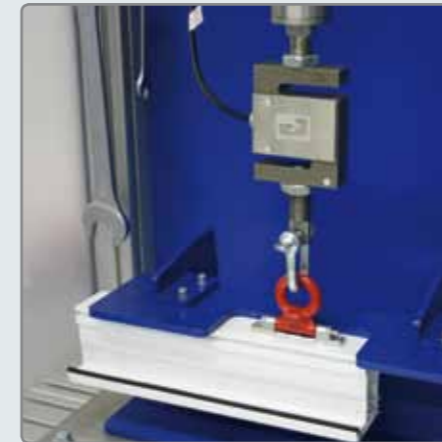
Pull-Push Test Rig
KS ZDP 20 kN PC

Solid corner regions and certainly in the profile screwed fittings are nowadays self-evident. To be sure that the products correspond to a certain quality standard, internal tests for the strength and deformation of windows and fittings are recommended.

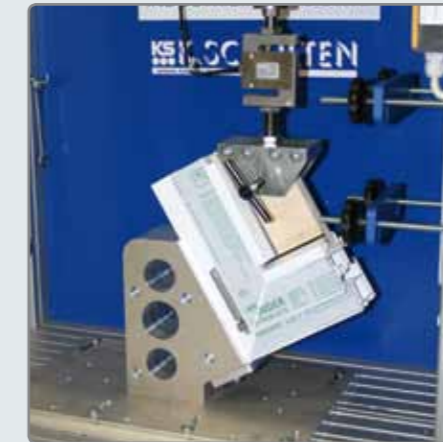
With the automatic corner test rig KS ZDP 20 kN PC you are well positioned. It proves the pull out strength of fittings, corner brackets and shear brackets, as well as the corner break of blind frame and casement frame at Pull and Push effect.

Furthermore any continuous duty pressure and tensile tests up to 20 kN are performed.

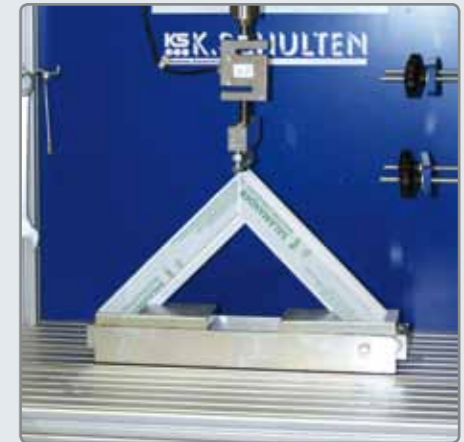
Test standard, Germany	
Test area	Norm / Guide line
Permitted sash weights	ift FE 13/01 (TBDK)
Break power plant	RAL-GZ 716/1
Strength of welded corners	EN 514
Fitting excerpt	EN 13126-8



Modularly construction allows the use of various testing tools. Fig. shows the sheare bearing according TBDK/EN 13126-8.



Tool kit for testing of the corner bearing according to TBDK/EN 13126-8.



Testing of the corner strength of welded profiles after EN 514.

Everything under control with the KS ZDP 20 kN PC

The software is aligned especially to the requirements of window and door profiles. It can be effected, in addition to the standards and norms perform, as well as Pull-Push classical tests. The integrated control system consist of a high quality computer and a KS software at LabView Basis. The software is in german, english and other languages available. It makes the data export according MS Excel. The desired test parameter, for example maximum value of deformation or strength are adjustable.

All measurements will be determine electronic and shown on PC in a tabular and graphical form. The force-distance diagram illustrates at what load, for example, the arm bearing or pull up a corner breaks.

About the break detection in the software, this point is accurately determined and recorded.

Advantages KS ZDP 20 kN PC Pull-Push Test Rig

- Durable, stabil construction
- Easy mounting of the test block
- Fast reconstruction of the test tools
- Equipment with PC, printer, computer, desk
- PC-control and network connection as standard equipment
- Online remote maintenance
- EC-conform
- Low maintenance



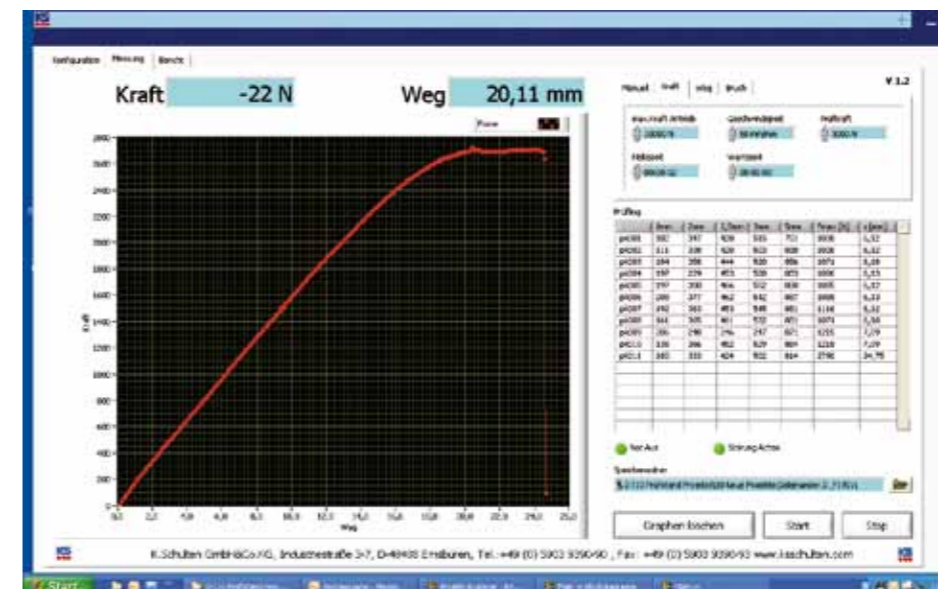
The Pull-Push unit is servo-controlled.



The recirculating ball screw sets 1-500 mm/min back ...



... at a maximum power of Pull-Push strength of 20 kN.



Technical data
KS ZDP 20 kN PC

Electric connection	400 V, 50 Hz, 16 A, 2 kW
Test block width	1.200 mm
Test block height	800 mm
Test block depth	500 mm
External measure width	2.000 mm
External measure height	3.200 mm
External measure depth	700 mm
Weight	480 kg