

## Acceleration Units

## Displacement Stops

Image	Basic product	Lowering stroke	Acceleration stroke	Acceleration force	Variants	Image	Basic product	Lowering stroke	Damping stroke	min./max. propelling force	Scope of application*		Variants
											at	Weight	
	<b>DAU-80</b>	8 mm	21.3 mm	228 N	EW/DW cust.-spec. solutions var. access.		<b>DDS-80</b>	17 mm	6.5 mm	6 N 54 N	06 m/min 09 12 18 24 30 36	80 kg 70 50 40 27 17 12	DW FS cust.-spec. solutions var. access.
	<b>DAU-350</b>	9 mm	38.8 mm	570 N	EW/DW cust.-spec. solutions var. access.		<b>DDS-160</b>	17 mm	12 mm	6 N 109 N	06 m/min 09 12 18 24 30 36	160 kg 140 100 90 55 35 25	DW FS cust.-spec. solutions var. access.
							<b>DDU-100</b>	17 mm	n/a	n/a 500 N	06 m/min 09 12 18 24 30 36	100 kg 90 70 60 50 28 12	DW FS cust.-spec. solutions var. access.

EW single-acting  
DW double-acting

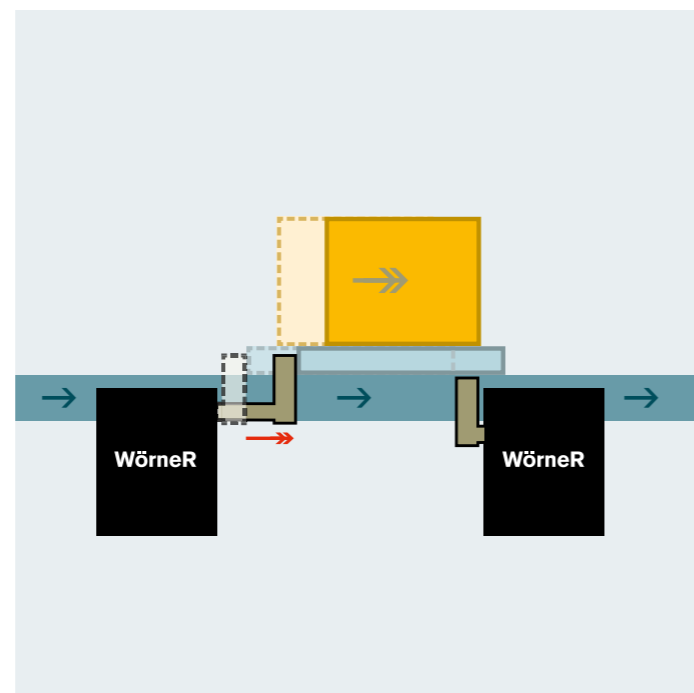
FS finger safety

\* All specifications given for a coefficient of friction of  $\mu = 0.07$

The acceleration unit ensures that the pallet leaves the stopping position more quickly so that the next cycle can start earlier. As soon as the stopper has lowered, the contact plate of the acceleration unit moves out and accelerates the pallet. (→)

This procedure can lead to a reduction of cycle times by more than 1 second or by more than 40 %.

Acceleration units have a continuously adjustable extension speed and thus cover a wide range of applications.



Displacement stops are integrated at a transverse section that connects more than two longitudinal sections. They take over transport control at line crossings and stop pallets e.g. on lifting transverse units. Thus the pallets can be transferred from a transverse to a longitudinal section. The displacement stop can perform different functions:

**Function F1** "Stop pallet": This function is used when the pallet is to be transferred from a transverse section to the longitudinal section.

**Function F2** "Continue pallet": This function is used if the pallet is to continue the cross transport at the line intersection.

Workpiece   
  Pallet (for workpiece)  
 Conveyor system (e.g. belt, chain, roller conveyor)

