

Series	Fault	Reason	Possible cause	Remedies
MKS/MKRS, MCPS, LKPS, LBPS, MBPS, UBPS, KBHS, LBHS, RBPS,TPS, DKPS, DKHS, LCPS	Element does not open / element touches the rail	Operating pressure is absent	Operating pressure is set too low	Set the min. operating pressure according to the „Technical data“ table
			Leaking, clogging, pinching of the line or power supply failure	Check the pressure supply
			Operating pressure is insufficient	Increase the operating pressure or use an element with reduced opening pressure (3 or 4 bar version), otherwise contact Zimmer GmbH Service
MK/MKR, MCP, LKP, KWH, KBH, LCP	Element does not close / holding force is not achieved	Operating pressure is absent	Operating pressure is set too low	Set the operating pressure according to the „Technical data“ table
			Leaking, clogging, pinching of the line or power supply failure	Check the pressure supply, connections and lines and replace them if necessary
MKS/MKRS, MCP, MCPS, LKP, LKPS, LBPS, MBPS, UBPS, RBPS, TPS, DKPS,LCP,LCPS	Response time is too long / element opens after a delay	Insufficient air supply	Valve is too small	Choose a valve with a larger flow rate
			Line between valve and element is too long	Select the shortest possible lines between valve and element
		Too little exhaust air	Quick exhaust valve / air filter covered	Make sure the opening on the quick exhaust valve / air filter is open; if necessary, change the air filter to the opposite side.
			Quick exhaust valve / air filter clogged	Replace the air filter / remove contamination
			Line between valve and element is too long	Make the line between the valve and element as short as possible
KWH, KBH, KBHS, LBHS, DKHS	Response time is too long / element opens after a delay	Insufficient oil supply	Valve is too small	Choose a valve with a larger flow rate
			Line between valve and element is too long	Select the shortest possible lines between valve and element
		Not enough oil displacement	Line between valve and element is too long	Select the shortest possible lines between valve and element
MKS/MKRS, MCP, MCPS, LKP, LKPS, LBPS, MBPS, UBPS, RBPS, TPS, DKPS, LCP, LCPS	Leaking, and/or blow-off noise can be heard	Housing parts are leaky	Seals are not properly applied	Open and close the element at least 20 times within 5 seconds
		Connections are leaky		Check the pneumatic connections and lines and replace them if necessary
		Wear	Element has reached the end of its service life	Replace element
KWH, KBH, KBHS, LBHS, DKHS	Leakage / oil loss	Housing parts are leaky	Seals are not properly applied	Open and close the element at least 20 times within 5 seconds
		Connections are leaky	Loose connections, defective lines	Check the hydraulic connections and lines and replace them if necessary
		Wear	Element has reached the end of its service life	Replace element
HK/miniHK/HKR, MK/MKR, MKS/MKRS, MCP, MCPS, LKP, LKPS, KWH, LCE, LCP, LCPS, LKE	Insufficient holding force / holding torque	Element does not match the profile rail / round guide rail	Dimensional tolerance between contact profile and profile rail / round guide divergent	Under „Selection guide“ on the website, check whether the element matches the rail, otherwise contact Zimmer GmbH Service
			Mounting piece is not rigid enough	Installation surface should be completely covered and be sufficiently rigid (approx. thickness of the rear of the element)
		Element does not withstand bending	Mounting screws loose or of the wrong strength class	Observe the information in the „Technical data“ table
LBPS, MBPS, UBPS, KBH, KBHS, LBHS, RBPS	Insufficient holding force / holding torque	Element does not match the profile rail / round guide rail	Dimensional tolerance between contact profile and profile rail / round guide divergent	Under „Selection guide“ on the website, check whether the element matches the rail, otherwise contact Zimmer GmbH Service
		Element does not withstand bending	Mounting piece is not rigid enough	Installation surface should be completely covered and be sufficiently rigid (approx. thickness of the rear of the element)
			Mounting screws loose or of the wrong strength class	Observe the information in the „Technical data“ table
		Brake lining is worn	Max. dynamic brake cycles reached	Replace the element; the brake lining cannot be replaced because of tolerances
TPS, DKPS, DKHS	Holding torque is insufficient	Shaft tolerance not maintained	Shaft tolerance not maintained	Zimmer GmbH Service
		Element does not withstand bending	Element does not withstand bending	Installation surface should be completely covered and be sufficiently rigid (approx. thickness of the rear of the element)
			Concentricity error	Observe the information in the „Technical data“ table
		Concentricity error	Installation surfaces of the shaft and element do not correspond to the specifications	Dismantle the element and pull it off of the shaft, rework the surfaces to match the specifications, otherwise contact Zimmer GmbH Service
			Element was not clamped when the screws were installed	Loosen the attachment screws and install them in accordance with the assembly instructions
MBPS, UBPS, RBPS	Displacement resistance is too high	Brake pads are touching the profile rail / round guide	Dimensional tolerance between contact profile and profile rail / round guide divergent	Check the dimensional tolerance of the guide rail, otherwise contact Zimmer GmbH Service
			Element is misaligned	Loosen the attachment screws and reinstall them in accordance with the installation instructions
		Wiper resistance increased	Poor lubrication conditions, resistance increased as a result of wiper pretension	The displacement resistance can be up to 100 N, depending on the wiper. If it is greater than that, contact Zimmer GmbH Service
LKE, LCE	Output status „Error“ (Overcurrent)	Max. motor current exceeded	Dimensional tolerance between contact profile and profile rail deviates	Via „Selection guide“ on the website, check whether the element matches the rail, otherwise contact Service Zimmer GmbH
			Adjustment screw screwed-in in too deep	Screw out adjustment screw step by step
			Sliding block for floating mounting is blocked	Check screw length
			Height of clamping position not correct	Via „Selection guide“ on the website, check whether the element matches the rail and check the alignment of the clamping position with the indicated clamping position on the housing
			DIR Signal changed before the specified movement time	Change the signal (DIR signal open/close)
LKE, LCE	Output status „Error“ (Operating voltage)	Operating voltage exceeded/ undershot	Operating voltage is outside the permissible voltage range	Measure the operating voltage and correct for the permissible voltage range
LKE, LCE	Output status „Error“ (Temperature)	Temperature range exceeded/ undershot	Heat dissipation not ensured	Ensure adequate ventilation
			Ambient temperature undershoots/exceeds the permissible operating temperature	Keep operating temperature according to technical data