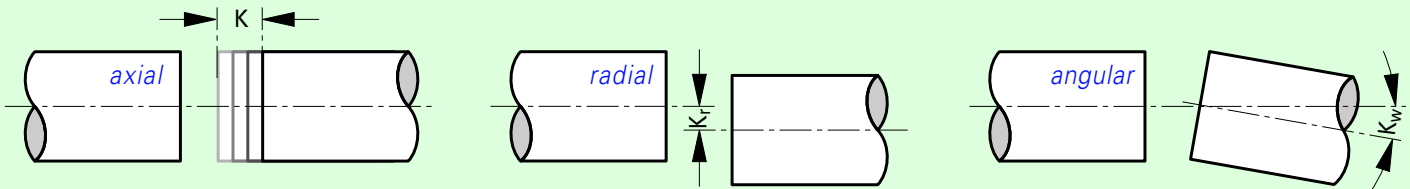


# GERWAH Line Shafts Assembly Instructions

## Types of misalignment



### Alignment of the shafts:

The picture above shows the types of misalignment. It's necessary to adjust the shafts before assembly. The more accurate the initial alignment, the better the shaft can absorb additional misalignment during operation, thereby assuring optimum lifetime and quiet running conditions. If all (3) types of misalignment occur simultaneously, each type must not reach the maximum allowable value and they have to be aligned. GERWAH can assist you with the correct adjustment of the combined misalignment.

### Installation:

Clean and degrease the hubs of the line shafts and re-check the tolerances.

**The maximal diametrical clearance between hub and shaft must not exceed 0,03 mm**

(not valid at shift fits).

According to the principle of construction slide a coupling hub onto each shaft and proceed to torque the tightening screws after

checking axial dimensions. Refer to the technical data to assure correct screw tightening torque.

The dimension of the shaft distance X should be kept.

### Removal:

Remove the locking screws of the hubs. If necessary, the push-off threads can be used to remove the backlash-free line shaft connections. In case the hub connection doesn't come off autonomously, the connection can be removed by lightly applying a rubber hammer.

**Please ask for detailed assembly instructions or find information on [www.gerwah.com](http://www.gerwah.com)!**

## Misalignments

Size	Misalignments		
	mm radial* $\Delta K_r$	mm axial $\Delta K_a$	scale angular $\Delta K_w$
14	5 mm per m	$\pm 1$ mm	1,5°
19	5 mm per m	$\pm 1$ mm	1,5°
24	5 mm per m	$\pm 1$ mm	1,5°
28	5 mm per m	$\pm 1$ mm	1,5°
38	5 mm per m	$\pm 1$ mm	1,5°
42	5 mm per m	$\pm 1$ mm	1,5°
48	5 mm per m	$\pm 1$ mm	1,5°

\* Radial/parallel misalignment depends on the length of the tube.

**GERWAH**

You Can Rely On Us!