3.3.8 Universal joint single/double & drive shaft • Dimension sheet

The universal joints (DIN 808-G) and drive shafts are designed for rigid torque transmission in case of differences in height and alignment errors.

Our universal joints are designed for sizes 5.0 and 5.1, and our drive shaft is designed for size 5.3. You should also pay attention to the notes on the following page.

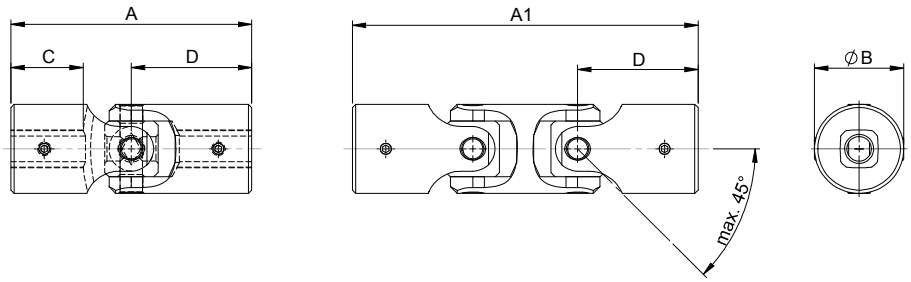
Single universal joint

Double universal joint

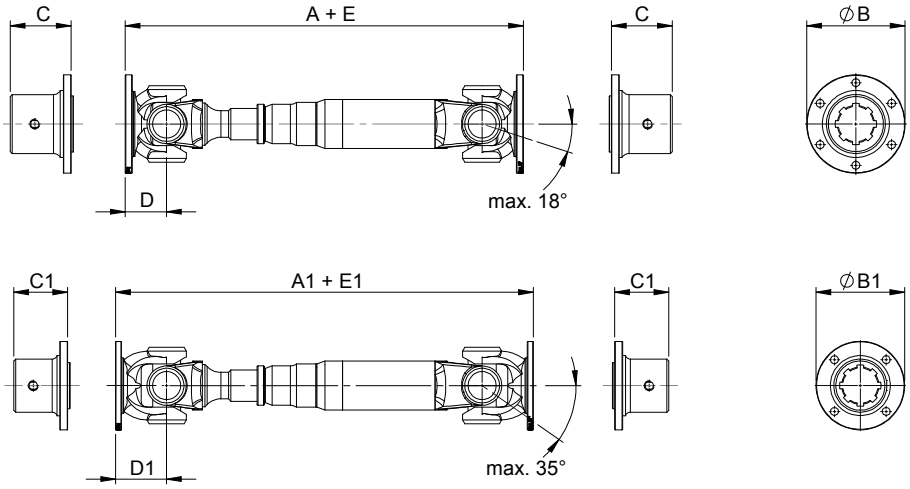
Drive shaft

Two universal joints with a profile shaft as a connector

Universal joint



Drive shaft



Ensure proper fork placement when using two universal joints. They must be aligned. The angle of bend at both forks and the connection plane must be identical. The maximum bend angle "ß" must not be exceeded. The maximum transmitted torque depends on the bend angle "ß".

Take note of the "gimbal error" if the joint is to be used for positioning.

Drive shafts are designed for each project individually.

Universal joints for lifgo® & lean SL®		Unit	5.0	5.1	5.3
	A	mm	108	108	
	A1	mm	155	155	
	B	mm	Ø 40	Ø 40	
	C	mm	30	30	
	D	mm	54	54	
	ß		45°	45°	
Weight, single		kg	0,82	0,74	
Weight, double		kg	1,10	1,02	

Article number	lifgo® & lean SL®	5.0	5.1	5.3
Universal joint, single		103 489	103 487	
Universal joint, double		103 490	103 488	

Drive shaft for lifgo® & lean SL®		Unit	5.0	5.1	5.3
	A min.	mm			393
	A1 min.	mm			425
	B	mm			Ø 100
	B1	mm			Ø 90
	C	mm			62
	C1	mm			55
	D	mm			42
	D1	mm			52
Removal length	E	mm			80
Removal length	E1	mm			80
	ß				18° or 35°
Weight	Project-specific				

Article number	lifgo® & lean SL®	5.0	5.1	5.3
Drive shaft	project-specific			105 086