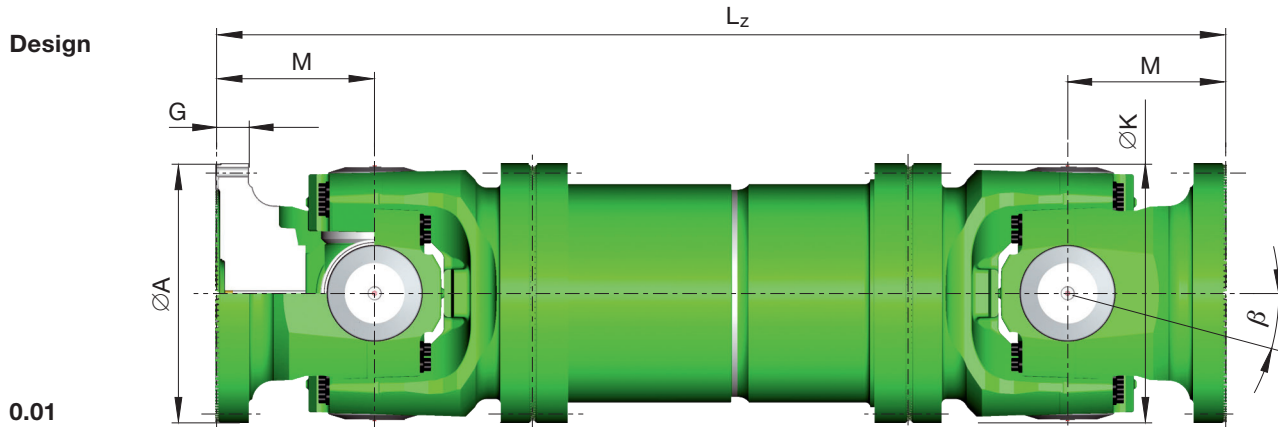


Data sheet series 498

0.01 with length compensation, tubular design
 0.03 without length compensation, tubular design

9.04 without length compensation, double flange shaft design



Shaft size		498.00			498.05			498.10			498.15		
T _{CS}	kNm	1.880	1.620	1.430	2.340	2.080	1.750	3.000	2.600	2.200	3.640	3.100	2.700
T _{DW}	kNm	900	780	680	1.120	1.000	840	1.430	1.250	1.050	1.750	1.500	1.300
L _c	-	0,115	0,144	0,154	0,224	0,322	0,343	0,530	0,684	0,720	1,09	1,35	1,43
		x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶
β	°	5	10	15	5	10	15	5	10	15	5	10	15
A	mm	600			650			700			750		
K	mm	600			650			700			750		
B	mm	555			605			655			695		
G	mm	75			80			90			95		
H	mm	26			26			26			32		
I ¹⁾	-	20			20			24			24		
M	mm	370	370	390	390	390	410	420	420	440	460	460	480

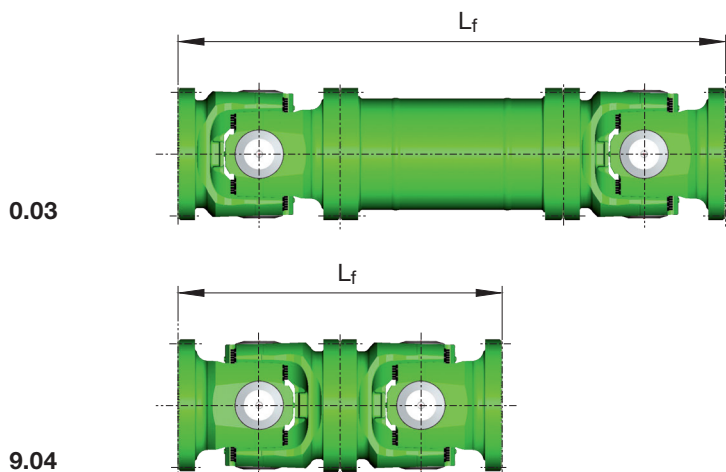
Shaft size		498.20			498.25			498.30			498.35		
T _{CS}	kNm	4.420	3.800	3.300	5.300	4.500	4.050	6.300	5.400	4.700	7.400	6.500	5.600
T _{DW}	kNm	2.120	1.850	1.600	2.550	2.200	1.950	3.050	2.650	2.250	3.500	3.100	2.700
L _c	-	1,69	2,14	2,55	3,26	4,01	4,681	7,05	7,86	8,29	9,71	10,7	14,24
		x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶
β	°	5	10	15	5	10	15	5	10	15	5	10	15
A	mm	800			850			900			950		
K	mm	800			850			900			950		
B	mm	745			785			835			885		
G	mm	100			105			110			120		
H	mm	32			38			38			38		
I ¹⁾	-	24			24			24			24		
M	mm	480	480	500	530	530	555	555	555	580	580	580	610

T_{CS} = Functional limit torque*
 Yield torque 30% over T_{CS}
 T_{DW} = Reversing fatigue torque*
 L_c = Bearing capacity factor*

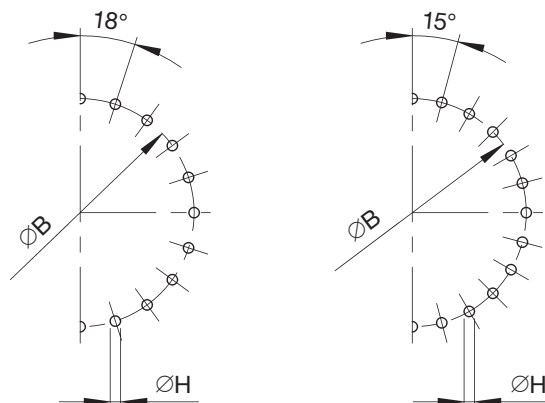
* See specifications of driveshafts.
 β = Maximum deflection angle per joint
 1) Number of flange holes

Data sheet series 498

Design



Flange connection with Hirth-serration



20-hole flange

24-hole flange

Each driveshaft size has a specific hole pattern (see table). Other hole patterns available on request.

Shaft size		498.40			498.45			498.50			498.55			498.60		
T _{CS}	kNm	8.700	7.500	6.500	10.000	8.700	7.500	11.500	10.000	8.600	13.200	11.400	9.900	15.000	13.000	11.200
T _{DW}	kNm	4.200	3.600	3.100	4.800	4.200	3.600	5.500	4.800	4.100	6.300	5.500	4.700	7.200	6.200	5.400
L _c	-	16,1	17,4	23,78	24,4	28,71	38,73	36,4	42,63	61,67	56,3	70,8	96,19	89,9	102	147,2
		x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶	x 10 ⁶
β	°	5	10	15	5	10	15	5	10	15	5	10	15	5	10	15
A	mm	1.000			1.050			1.100			1.150			1.200		
K	mm	1.000			1.050			1.100			1.150			1.200		
B	mm	925			975			1.025			1.065			1.115		
G	mm	125			130			135			140			150		
H	mm	44			44			44			50			50		
l ¹⁾	-	20			20			20			20			20		
M	mm	625	625	655	645	645	675	670	670	700	715	715	745	740	740	775

GWB™ driveshaft series „598“ in fully forged design with maximum torque capacity are available on request.

Length dimensions (L_z/L_f/L_a) of the designs 0.01 · 0.03 · 9.04 available on request.