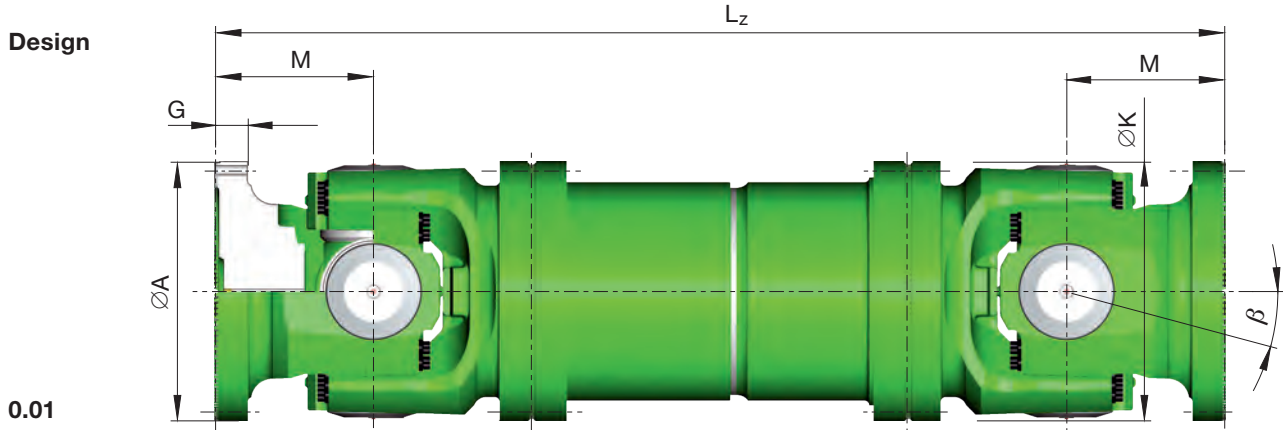


Data sheet series 498

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

9.04 without length compensation, double flange shaft design



0.01

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		
l ¹⁾	-	20			20			24			24		
M	mm	370	370	390	390	390	410	420	420	440	460	460	480

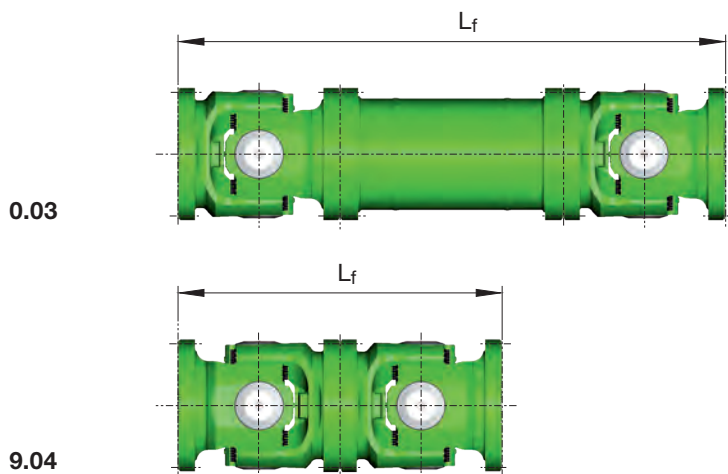
Shaft size		498.20			498.25			498.30			498.35		
T _{CS}	kNm	4.420	3.800	3.300	5.300	4.500	4.050	6.300	5.400	4.700	7.400	6.500	5.600
T _{DW}	kNm	2.120	1.850	1.600	2.550	2.200	1.950	3.050	2.650	2.250	3.500	3.100	2.700
L _c	-	1,69	2,14	2,55	3,26	4,01	4,681	7,05	7,86	8,29	9,71	10,7	14,24
		x 10 ⁶	x 10 ⁶	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		
l 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*

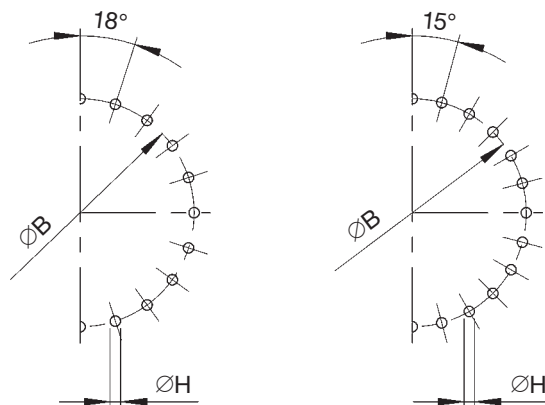
* See specifications of driveshafts.
 β = Maximum deflection angle per joint
 1) Number of flange holes

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.