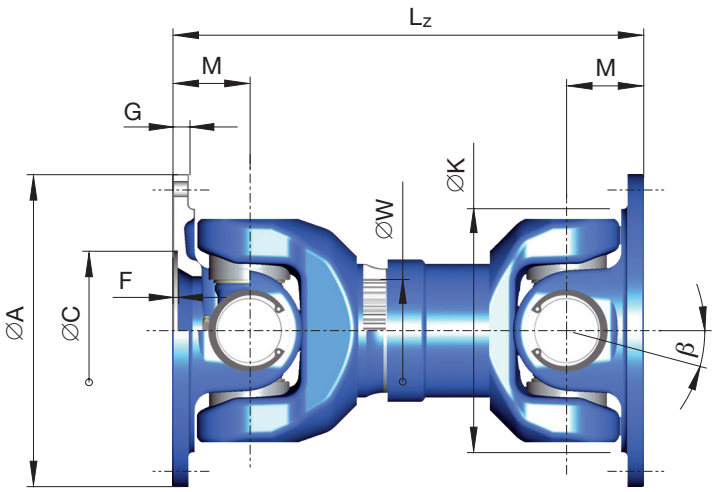
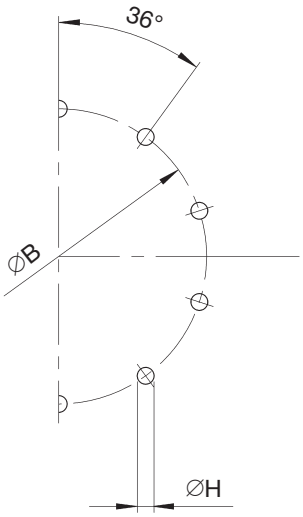
Data sheet series 587/190/390 Super short designs

9.06 driveshaft with length compensation,
super short design

Series 587

Design





10-hole flange

9.06

Shaft size		587.50	190.55	390.60	190.65	390.70
T_{CS}	kNm	43	33	60	68	130
T_{DW}	kNm	13	11	27	25	53
L_c	–	1,8	7	56,7	161,5	510
β	⊀°γ	5	5	5	5	5
A	mm	275	305	348	360	405
K	mm	215	250	285	315	350
B *± 0,1 mm*	mm	248	275	314	328	370
C *H7*	mm	140	140	175	175	220
F[1])	mm	4,5	5,5	6	6	6,5
G	mm	15	15	18	18	22
H *+ 0,2 mm*	mm	14,1	16,1	18,1	18,1	20,1
I[2])	–	10	10	10	10	10
M	mm	68	80	90	100	108
W *DIN 5482/5480*	mm	90 x 2,5	100 x 94	115 x 2,5	130 x 3	150 x 3

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) Effective spigot depth
2) Number of flange holes

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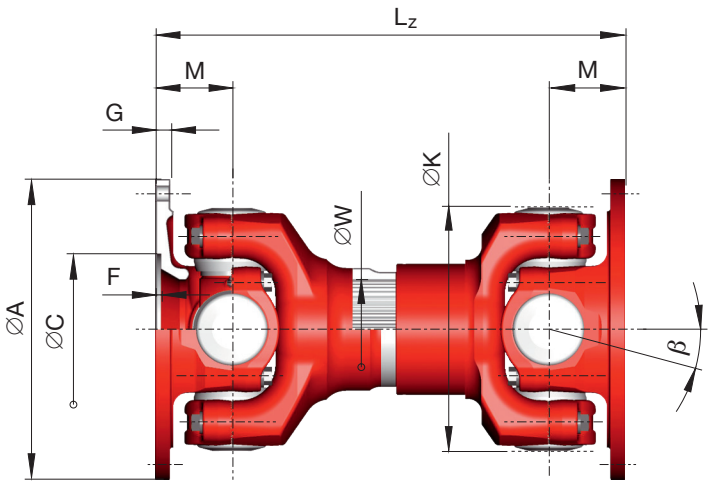
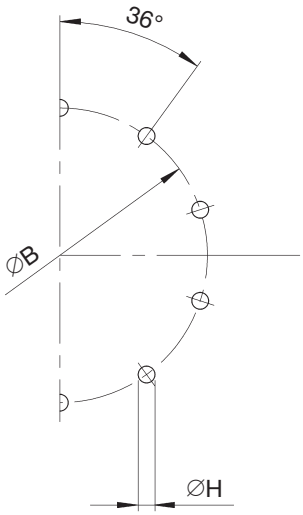
Data sheet series 587/190/390 Super short designs

Series 190/390

Design

9.06





10-hole flange

Design	Shaft size		587.50	190.55	390.60	190.65	390.70
9.06	L_z	mm	415	495	545	600	688
	L_a	mm	40	40	80	40	80
	G	kg	60	98	131	169	252
	Jm	kgm^2	0,33	0,624	1,250	2,286	3,455

L_z = Shortest compressed length
L_a = Length compensation
$L_z + L_a$ = Maximum operating length

G = Weight of shaft
Jm = Moment of inertia

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