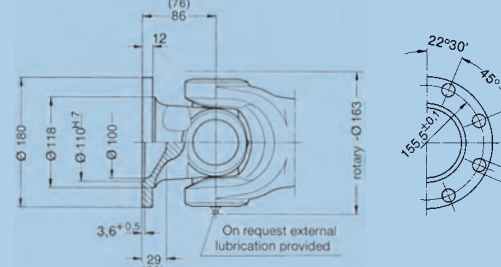
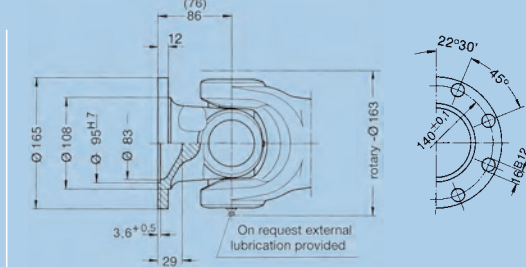
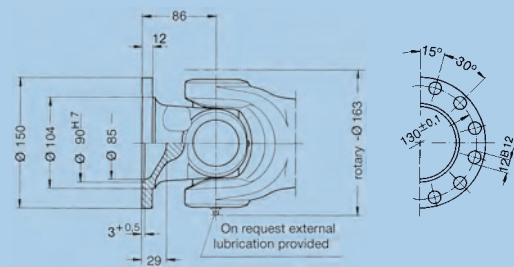


Roller bearing version

At utilisation of the nominal torque a verification of the flange connection is necessary.



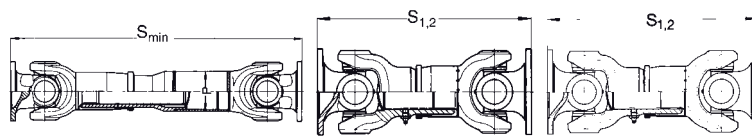
On both sides standard flange end number: 0.117.XX0

On both sides larger flange (Ø 165 mm) end number: 0.117.XX1
Dimensions in brackets are only valid for short type I

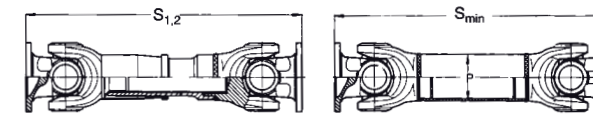
On both sides larger flange (Ø 180 mm) end number: 0.117.XX1
Dimensions in brackets are only valid for short type I

- β* = Maximum angle of deflection per joint
- J_m = Moment of inertia
- G = Weight
- S_{min} = Minimum length of tubular types
- S₁ = Compressed lengths
- S₂ = of short types
- X₁ = Extension at S_{min} resp. S₁
- X₂ = Extension at S₂
- P₁ = Tube diameter. Dimensions in bold type for normal applications. Alternative dimensions are for long shafts at high speeds, see technical annex domain speed
- P₂ = Alternative tube
- P₃ = Alternative tube

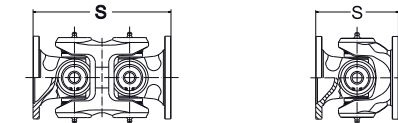
Universal Cardan Drive-Shafts with extension



Cardan Drive-Shafts without extension



Universal Joints without extension



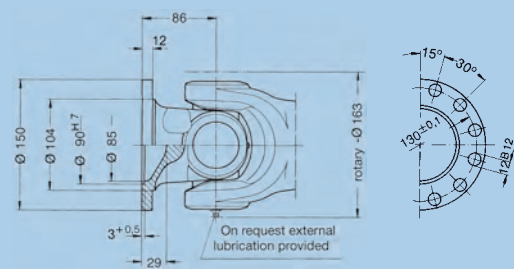
Please indicate requested length „S“ and max. r.p.m. when ordering!

Order number	Tubular Type larger extension			Short Type I		Short Type II		
	0.117.110	0.117.111	0.117.111	0.117.121	0.117.121	0.117.130	0.117.131	0.117.131
Angle of deflection β*	30	30	30	24	24	30	30	30
Flange-Ø	150	165	180	165	180	150	165	180
S _{min} resp. S ₁	660	660	660	400	400	495	495	495
S ₂	-	-	-	440	440	555	555	555
X resp. X ₁	110	110	110	40	40	45	45	45
X ₂	-	-	-	50	50	80	80	80
P ₁	100 x 5	100 x 5	100 x 5	-	-	-	-	-
P ₂	120 x 5	120 x 5	120 x 5	-	-	-	-	-
P ₃	-	-	-	-	-	-	-	-
Spline dim. DIN 5480	65x2,5x24	65x2,5x24	65x2,5x24	65x2,5x24	65x2,5x24	65x2,5x24	65x2,5x24	65x2,5x24
Number of flange holes	12	8	8	8	8	12	8	8
J _m (at S _{min} resp. S ₁)	0,04834	0,05185	0,05463	0,0467	0,0491	0,04286	0,04678	0,04917
J _m (at S ₂)	-	-	-	0,04898	0,05138	0,04439	0,04899	0,05139
J _m /100 mm standard tube	0,00265	0,00265	0,00265	-	-	-	-	-
G (at S _{min} resp. S ₁)	35,03	35,51	36,56	25,61	26,52	28,21	28,69	29,74
G (at S ₂)	-	-	-	27,29	28,20	30,88	31,36	32,41
G/100 mm standard tube	1,17	1,17	1,17	-	-	-	-	-

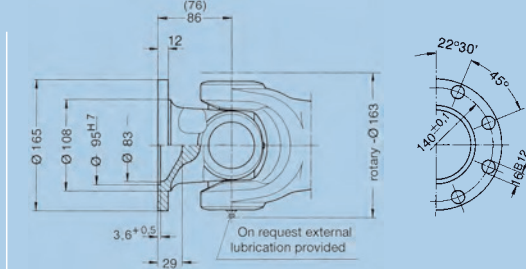
* Please refer to point 6.7 of the technical attachment

Short Type III			Tubular Type			Universal Joint Double			Universal Joint Single		
0.117.140	0.117.141	0.117.141	0.117.200	0.117.201	0.117.201	0.117.300	0.117.301	0.117.301	0.117.400	0.117.401	0.117.401
30	30	30	30	30	30	15	15	15	30	30	30
150	165	180	150	165	180	150	165	180	150	165	180
600	600	600	430	430	430	296	296	296	172	172	172
-	-	-	-	-	-	-	-	-	-	-	-
110	110	110	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	100 x 5	100 x 5	100 x 5	-	-	-	-	-	-
-	-	-	120 x 5	120 x 5	120 x 5	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
12	8	8	12	8	8	12	8	8	12	8	8
0,04665	0,05125	0,05365	0,04054	0,04424	0,04796	0,037	0,0423	0,0468	0,01879	0,02133	0,02568
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	0,00265	0,00265	0,00265	-	-	-	-	-	-
33,45	33,93	34,98	25,31	25,79	26,84	21,02	21,50	22,57	10,99	11,47	12,52
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1,17	1,17	1,17	-	-	-	-	-	-

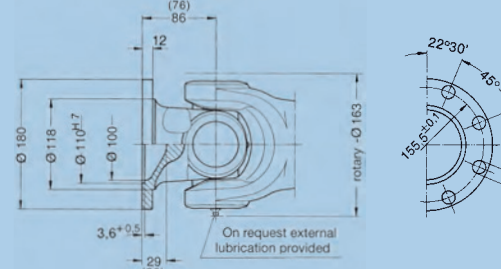
At utilisation of the nominal torque a verification of the flange connection is necessary.



On both sides standard flange end number: 0.117.XX0

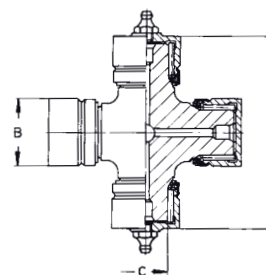
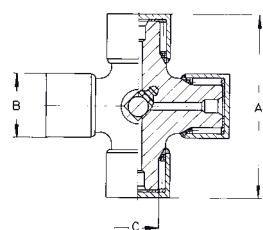


On both sides larger flange (Ø 165 mm) end number: 0.117.XX1
Dimensions in brackets are only valid for short type I



On both sides larger flange (Ø 180 mm) end number: 0.117.XX1
Dimensions in brackets are only valid for short type I

Cross Units, Roller bearing version

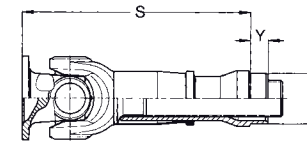
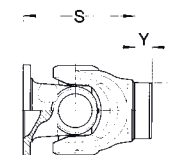


	Standard version Roller bearing	Version suitable for external lubrication Roller bearing
Order number	0.117.015	0.117.016
A	mm 135	mm 135
B	mm 53	mm 53
C	mm 37,34	mm 37,34
Snap rings included	mm J 53 x 2	mm J 53 x 2
Weight	kg 3,26	kg 3,28

β* = Maximum angle of deflection per joint
X = Preferred extension (larger extension available up to approx. 9 x spline o. D.)

Fixed joint

Slip joint (sliding sleeve type)



Please indicate compressed length „S“, extension and required type of flange when ordering!

Roller bearing version

	without extension				larger extension			
	0.117.050	0.117.051	0.117.051	-	0.117.070	0.117.071	0.117.071	-
Order number	0.117.050	0.117.051	0.117.051	-	0.117.070	0.117.071	0.117.071	-
Angle of deflection β*	30	30	30	-	30	30	30	-
Weight	kg 12,29	kg 12,52	kg 13,06	-	kg 21,99	kg 22,13	kg 22,75	-
Flange-Ø	mm 150	mm 165	mm 180	-	mm 150	mm 165	mm 180	-
S	mm 184	mm 184	mm 184	-	mm 412/(457)	mm 412/(457)	mm 412/(457)	-
X	mm -	mm -	mm -	-	mm 110	mm 110	mm 110	-
Y	mm 28	mm 28	mm 28	-	mm 30	mm 30	mm 30	-
Z	mm 90,25	mm 90,25	mm 90,25	-	mm 90,25	mm 90,25	mm 90,25	-
Spline dim. DIN 5480	mm -	mm -	mm -	-	mm 65x2,5x24	mm 65x2,5x24	mm 65x2,5x24	-
Number of flange holes	12	8	8	-	12	8	8	-

* Please refer to point 6.7 of the technical attachment.

The dimensions Z, Y and S will be changed within a product change. Please contact us for further questions.