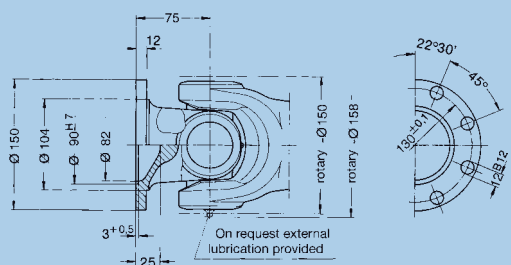
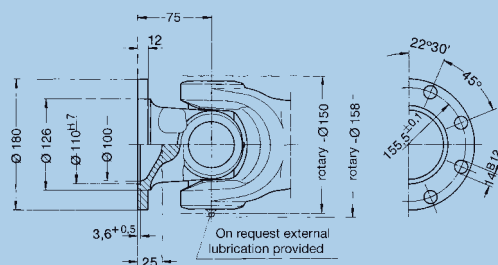


Roller bearing version

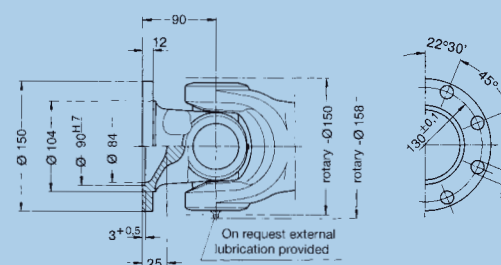
At utilisation of the nominal torque a verification of the flange connection is necessary.



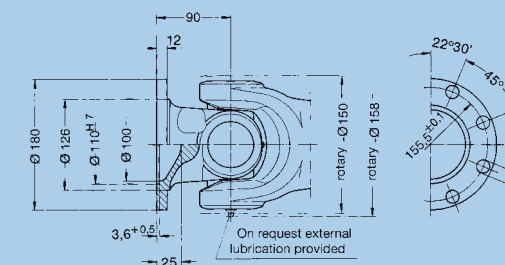
On both sides standard flange end number: 0.158.XX0



On both sides larger flange end number: 0.158.XX1



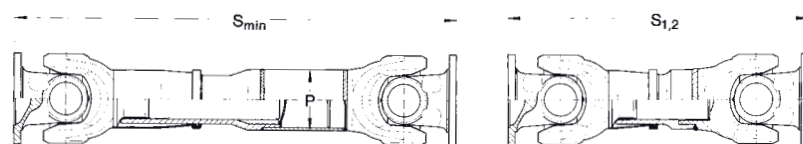
On both sides flange for larger angle deflection end number: 0.158.XX5



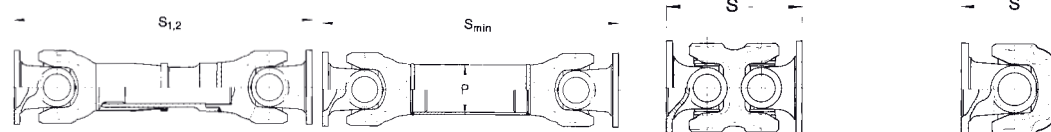
On both sides larger flange for larger angle deflection end number: 0.158.XX6

- 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

Universal Cardan Drive-Shafts with extension



Cardan Drive-Shafts without extension



Universal Joints without extension



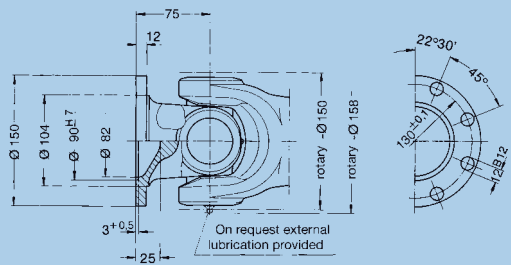
Please indicate requested length „S“ and max. r.p.m. when ordering!

Order number	Tubular Type larger extension				Short Type I			
	0.158.110	0.158.111	0.158.115	0.158.116	0.158.130	0.158.131	0.158.135	0.158.136
Angle of deflection β*	20	20	35	35	20	20	35	35
Flange-Ø	150	180	150	180	150	180	150	180
S _{min} resp. S ₁	710	710	742	742	400	400	545	545
S ₂	-	-	-	-	465	465	585	585
X resp. X ₁	110	110	110	110	50	50	40	40
X ₂	-	-	-	-	80	80	80	80
P ₁	90 x 4	90 x 4	90 x 4	90 x 4	-	-	-	-
P ₂	100 x 4	100 x 4	100 x 4	100 x 4	-	-	-	-
P ₃	120 x 5	120 x 5	120 x 5	120 x 5	-	-	-	-
Spline dim. DIN 5480	60x2,5x22	60x2,5x22	60x2,5x22	60x2,5x22	60x2,5x22	60x2,5x22	60x2,5x22	60x2,5x22
Number of flange holes	8	8	8	8	8	8	8	8
J _m (at S _{min} resp. S ₁)	-	-	0,04531	0,05034	0,04114	0,0464	0,04291	0,04817
J _m (at S ₂)	-	-	-	-	0,04193	0,0472	0,04340	0,04870
J _m /100 mm standard tube	0,00157	0,00157	0,00157	0,00157	-	-	-	-
G (at S _{min} resp. S ₁)	31,1	31,8	31,76	33,38	19,62	21,18	25,92	27,54
G (at S ₂)	-	-	-	-	22,05	23,61	27,27	28,89
G/100 mm standard tube	0,85	0,85	0,85	0,85	-	-	-	-

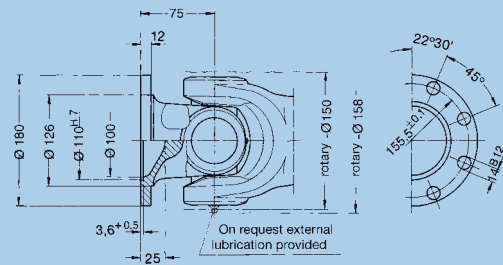
* Please refer to point 6.7 of the technical attachment

Short Type II				Tubular Type				Universal Joint Double		Universal Joint Single			
0.158.140	0.158.141	0.158.145	0.158.146	0.158.200	0.158.201	0.158.205	0.158.206	0.158.300	0.158.301	0.158.400	0.158.401	0.158.405	0.158.406
20	20	35	35	20	20	35	35	20	20	20	20	35	35
150	180	150	180	150	180	150	180	150	180	150	180	150	180
610	610	640	640	425	425	455	455	330	330	150	150	180	180
650	650	680	680	-	-	-	-	-	-	-	-	-	-
110	110	110	110	-	-	-	-	-	-	-	-	-	-
130	130	130	130	-	-	-	-	-	-	-	-	-	-
-	-	-	-	90 x 4	90 x 4	90 x 4	90 x 4	-	-	-	-	-	-
-	-	-	-	100 x 4	100 x 4	100 x 4	100 x 4	-	-	-	-	-	-
-	-	-	-	120 x 5	120 x 5	120 x 5	120 x 5	-	-	-	-	-	-
60x2,5x22	60x2,5x22	60x2,5x22	60x2,5x22	-	-	-	-	-	-	-	-	-	-
8	8	8	8	8	8	8	8	8	8	8	8	8	8
-	-	0,04409	0,04935	-	-	0,04340	0,04865	-	-	0,02055	0,02581	0,02417	0,02944
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	0,00157	0,00157	0,00157	0,00157	-	-	-	-	-	-
28,72	30,28	29,14	30,76	20,26	21,82	21,12	22,74	18,00	18,00	8,34	9,90	9,20	10,82
30,32	31,8	31,09	32,71	-	-	-	-	-	-	-	-	-	-
-	-	-	-	0,85	0,85	0,85	0,85	-	-	-	-	-	-

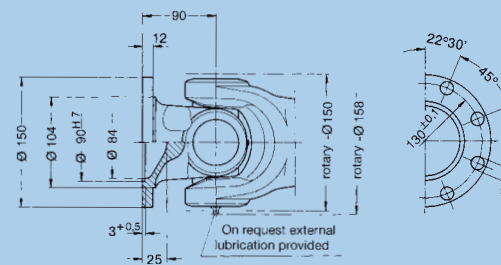
At utilisation of the nominal torque a verification of the flange connection is necessary.



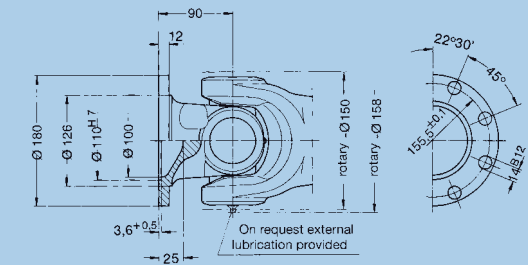
Standard flange
end number: 0.158.XX0



Larger flange
end number: 0.158.XX1

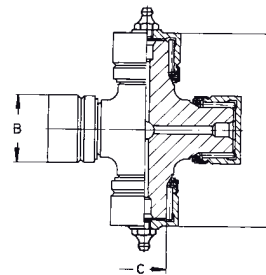
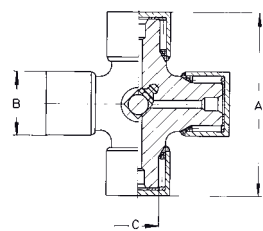


Flange for larger deflection
end number: 0.158.XX5



Larger flange for larger deflection
end number: 0.158.XX6

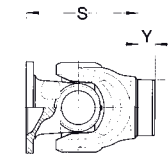
Cross Units, Roller bearing version



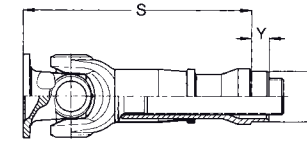
	Standard version Roller bearing	Version suitable for external lubrication Roller bearing
Order number	0.158.015	0.158.016
A	mm 126	mm 126
B	mm 48	mm 48
C	mm 33,15	mm 33,15
Snap rings included	mm J 48 x 1,75	mm J 48 x 1,75
Weight	kg 2,28	kg 2,29

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			
Order number	0.158.050	0.158.051	0.158.055	0.158.056	0.158.070	0.158.071	0.158.075	0.158.076
Angle of deflection β*	20	20	35	35	20	20	35	35
Weight	10,12	10,90	10,55	11,36	20,78	21,56	21,21	22,02
Flange-Ø	150	180	150	180	150	180	150	180
S	185	185	200	200	475	475	490	490
X	-	-	-	-	110	110	110	110
Y	22	22	22	22	25	25	25	25
Z	82,25	82,25	82,25	82,25	82,25	82,25	82,25	82,25
Spline dim. DIN 5480	-	-	-	-	60x2,5x22	60x2,5x22	60x2,5x22	60x2,5x22
Number of flange holes	8	8	8	8	8	8	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.