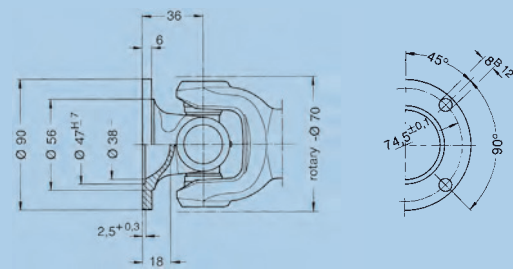
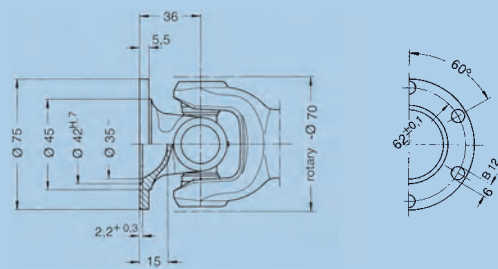


Needle bearing version

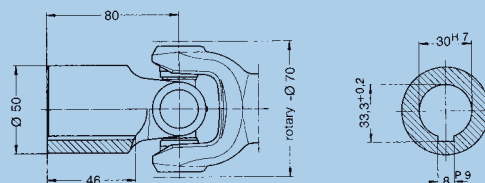
At utilisation of the nominal torque a verification of the flange connection is necessary.

One keyway is not enough to transmit the max. torque. In such case a second keyway or an internal spline is recommended.



On both sides standard flange end number: 0.107.XX0

On both sides larger flange end number: 0.107.XX1

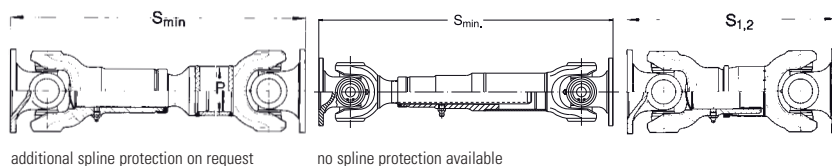


Key-way according to DIN 6885 sheet 1

On both sides connecting hub without key-way end number: 0.107.XX2
with key-way end number: 0.107.XX3

- 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

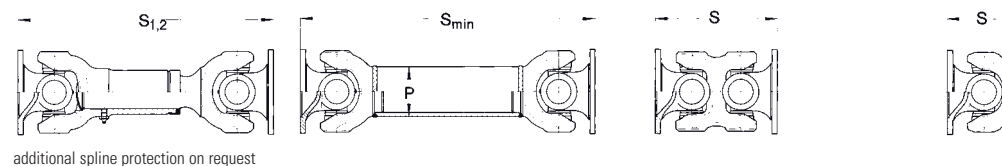


additional spline protection on request

no spline protection available

Cardan Drive-Shafts without extension

Universal Joints without extension



additional spline protection on request

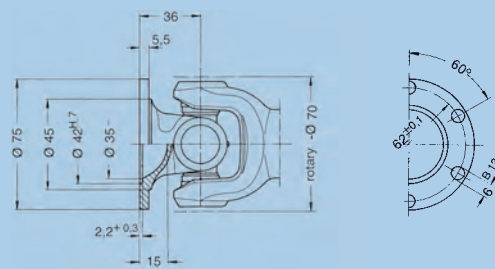
Please indicate requested length „S“ and max. r.p.m. when ordering!

Order number	Tubular Type normal extension				Tubular Type larger extension				Short Type I		
	0.107.100	0.107.101	0.107.102	-	0.107.110	0.107.111	0.107.112	-	0.107.130	0.107.131	0.107.132
Angle of deflection β*	30	18	30	-	30	18	30	-	30	18	30
Flange-Ø	75	90	Hub	-	75	90	Hub	-	75	90	Hub
S _{min} resp. S ₁	300	300	390	-	360	360	450	-	200	200	288
S ₂	-	-	-	-	-	-	-	-	225	225	313
X resp. X ₁	35	35	35	-	70	70	70	-	25	25	25
X ₂	-	-	-	-	-	-	-	-	35	35	35
P ₁	40 x 2	40 x 2	40 x 2	-	40 x 2	40 x 2	40 x 2	-	-	-	-
P ₂	50 x 2	50 x 2	50 x 2	-	50 x 2	50 x 2	50 x 2	-	-	-	-
P ₃	70 x 3	70 x 3	70 x 3	-	70 x 3	70 x 3	70 x 3	-	-	-	-
Spline dim. DIN 5480	28x1,5x17	28x1,5x17	28x1,5x17	-	28x1,5x17	28x1,5x17	28x1,5x17	-	28x1,5x17	28x1,5x17	28x1,5x17
Number of flange holes	6	4	-	-	6	4	-	-	6	4	-
J _m (at S _{min} resp. S ₁)	0,00098	0,00127	0,00121	-	0,00104	0,00133	0,00127	-	0,00089	0,00118	0,00112
J _m (at S ₂)	-	-	-	-	-	-	-	-	0,00092	0,00120	0,00115
J _m /100 mm standard tube	0,00068	0,00068	0,00068	-	0,00068	0,00068	0,00068	-	-	-	-
G (at S _{min} resp. S ₁)	2,60	2,90	3,29	-	3,04	3,35	3,73	-	1,98	2,29	2,67
G (at S ₂)	-	-	-	-	-	-	-	-	2,21	2,51	2,90
G/100 mm standard tube	0,19	0,19	0,19	-	0,19	0,19	0,19	-	-	-	-

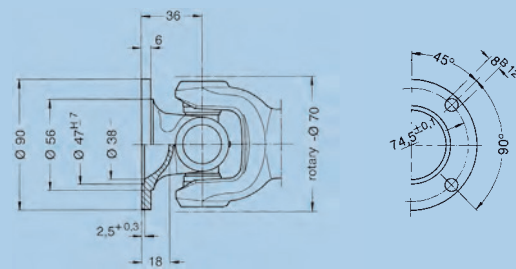
* Please refer to point 6.7 of the technical attachment

Short Type II				Tubular Type				Universal Joint Double			Universal Joint Single			
0.107.140	0.107.141	0.107.142	-	0.107.200	0.107.201	0.107.202	-	0.107.300	0.107.301	0.107.302	0.107.400	0.107.401	0.107.402	-
30	18	30	-	30	18	30	-	30	18	30	30	18	30	-
75	90	Hub	-	75	90	Hub	-	75	90	Hub	75	90	Hub	-
250	250	338	-	200	200	290	-	140	140	228	72	72	160	-
270	270	358	-	-	-	-	-	-	-	-	-	-	-	-
35	35	35	-	-	-	-	-	-	-	-	-	-	-	-
35	35	35	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	40 x 2	40 x 2	40 x 2	-	-	-	-	-	-	-	-
-	-	-	-	50 x 2	50 x 2	50 x 2	-	-	-	-	-	-	-	-
-	-	-	-	70 x 3	70 x 3	70 x 3	-	-	-	-	-	-	-	-
28x1,5x17	28x1,5x17	28x1,5x17	-	-	-	-	-	-	-	-	-	-	-	-
6	4	-	-	6	4	-	-	6	4	-	6	4	-	-
0,00093	0,00121	0,00116	-	0,00078	0,00107	0,00101	-	0,00069	0,00098	0,00092	0,00031	0,00060	0,00054	-
0,00096	0,00124	0,00118	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	0,00068	0,00068	0,00068	-	-	-	-	-	-	-	-
2,27	2,58	2,96	-	1,89	2,20	2,58	-	1,51	1,82	2,21	0,81	1,12	1,50	-
2,36	2,67	3,05	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	0,19	0,19	0,19	-	-	-	-	-	-	-	-

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

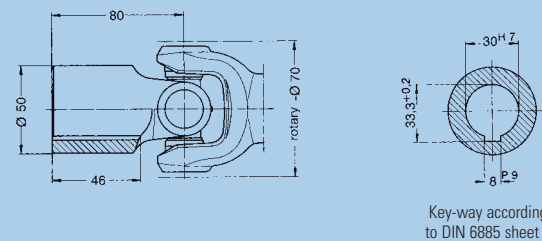


Standard flange
end number: 0.107.XX0



Larger flange
end number: 0.107.XX1

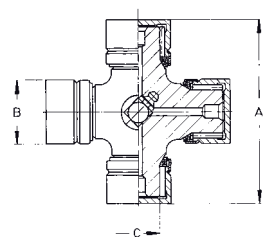
One keyway is not enough to transmit the max. torque. In such case a second keyway or an internal spline is recommended.



Key-way according to DIN 6885 sheet 1

Connecting hub
without key-way end number: 0.107.XX2
with key-way end number: 0.107.XX3

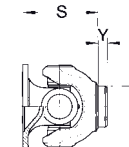
Cross Units, Needle bearing version



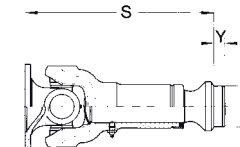
		Standard version	
		Needle bearing	
Order number		0.107.010	
A	mm	58	
B	mm	22	
C	mm	16	
Snap rings included	mm	J 22 x 1	
Weight	kg	0,224	

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

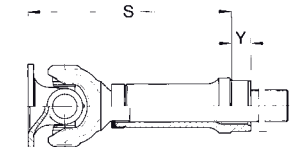
Fixed joint



Slip joint



Slip joint (sliding sleeve type)



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

	Needle bearing version											
	without extension				standard extension				larger extension			
Order number	0.107.050	0.107.051	0.107.052	–	0.107.060	0.107.061	0.107.062	–	0.107.070	0.107.071	0.107.072	–
Angle of deflection β*	30	18	30	–	30	18	30	–	30	18	30	–
Weight	0,91	1,06	1,25	–	1,63	1,78	1,97	–	1,98	2,13	2,32	–
Flange-Ø	75	90	Hub	–	75	90	Hub	–	75	90	Hub	–
S	82	82	126	–	187	187	231	–	197	197	241	–
X	–	–	–	–	35	35	35	–	70	70	70	–
Y	13	13	13	–	13	13	13	–	15	15	15	–
Z	36,25	36,25	36,25	–	36,25	36,25	36,25	–	36,25	36,25	36,25	–
Spline dim. DIN 5480	–	–	–	–	28x1,5x17	28x1,5x17	28x1,5x17	–	28x1,5x17	28x1,5x17	28x1,5x17	–
Number of flange holes	6	4	–	–	6	4	–	–	6	4	–	–

* 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.