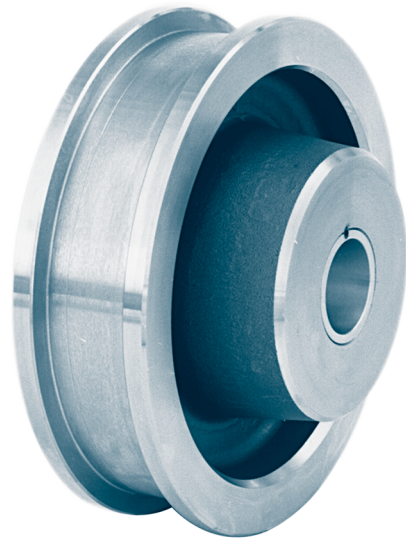


Form A with gear ring



Form B without gear ring

Designation of a travel wheel form A with gear ring, nominal- \varnothing d1 = 300 mm, gauge b1 = 50 mm, with slide bearing \varnothing 60/50 of G-CuSn7ZnPb, module 3 and number of teeth 110:

Crane wheel A 300 × 50 × 60/50 – 3 × 110 KG 010.2

Form A with gear ring

Form B without gear ring

Other types of the running surface see KG 010.1.

The slide bearings are secured with setcrews towards twisting and dislocation.

Material:

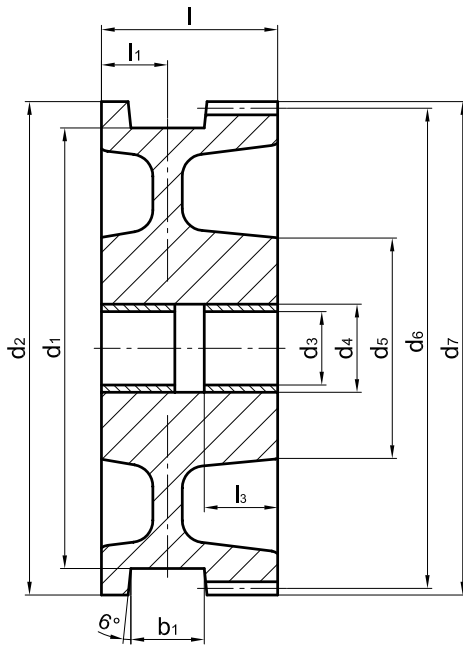
Wheel body- \varnothing 160-500 C45 drop forged

Wheel body- \varnothing 630 GE420 (GS-70) with ribs

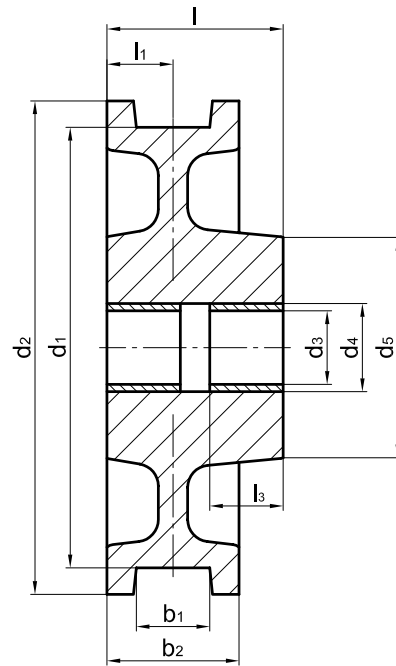
Slide bearings G-CuSn7ZnPb (Rg 7)

Other materials and dimensions on request.

Suitable wheel axles see KG 010.4.



Form A with gear ring



Form B without gear ring

wheel-Ø d1	b1 ¹⁾	b2	d2	d3	d4 ¹⁾	d5	l	l1	l3	gear ring ²⁾ (Form A)				unit weight ≈[kg]		wheel load [kg] ³⁾
										mo- dule	number of teeth	d6	d7	Form A	Form B	
h11				E9	H7											
160	30-60	80	186	40	50	85	95	40	33	2,5	72	180	185	10	8,5	2 000
										3	60		186			
200	30-60	80	232	40	50	117	95	40	33	3	75	225	231	17,5	16	2 300
										4	56		232			
250	30-60	80	274	50	60	142	120	40	50	3	88	264	270	30	25	3 800
										4	66		272			
300	35-65	90	336	50	60	152	120	45	50	3	110	330	336	43	37	4 500
										4	82					
315	40-75	100	348	55	65	167	140	50	56	4	85	340	348	54	48	5 400
400	40-75	100	432	60	72	197	140	50	63	4	106	424	432	86	71	6 700
500	50-85	110	540	70	82	230	170	55	70	6	88	528	540	156	125	9 500
630	55-95	120	680	80	95	180	200	60	80	8	83	664	680	235	181	12 800

1) The dimension of the gauge recess b1 and bore diameter d4 to be stated with order.

2) Module and number of teeth to be stated with order.
Tooth form according to DIN 867 without profile correction.
Pressure angle 20 degree.

3) The wheel loads stated are obtained from the maximum permissible pressure between plain bearing and axle for v = 40 m/min and an operating period up to 40%.