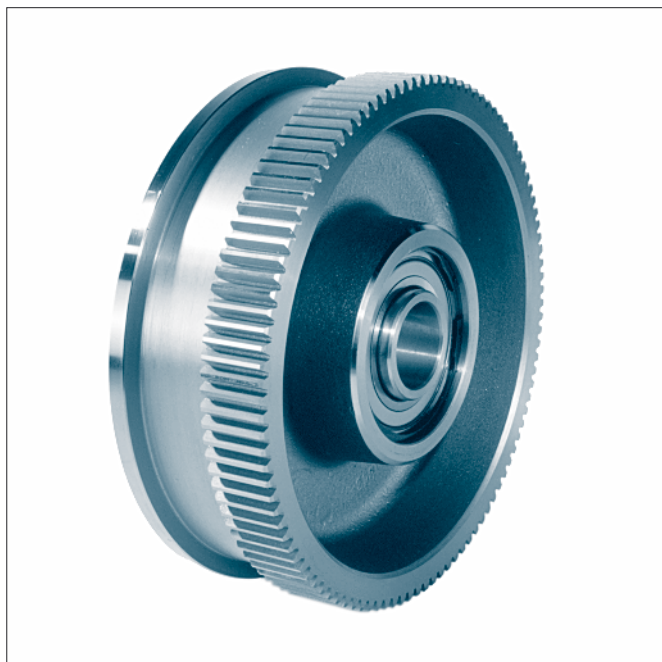


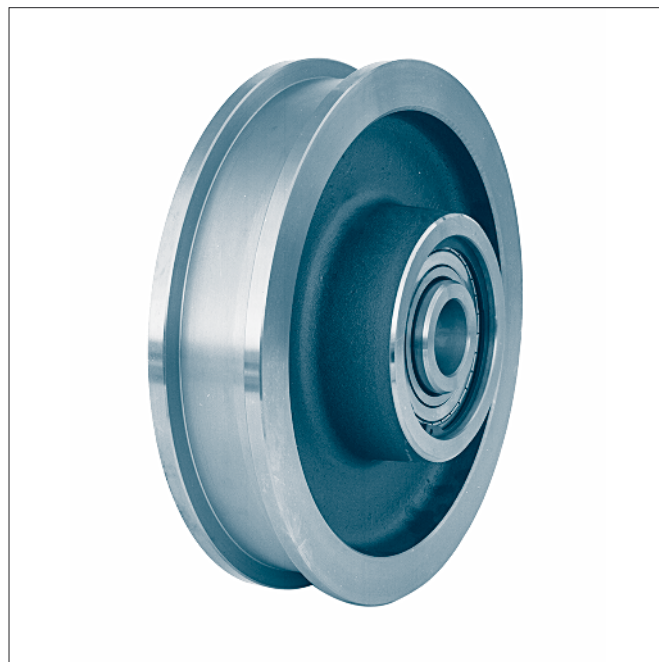
Crane wheels with anti-friction bearings and bush

similar DIN 15 049

KG 030



Form A with gear ring



Form B without gear ring

Designation of a travel wheel form A with gear ring, nominal- \varnothing $d_1 = 300$ mm, gauge $b_1 = 50$ mm, complete with grooved ball bearing, self aligning roller bearing and bush type 1, module 3 and number of teeth 110:

Crane wheel A 300 × 50 – 3 × 110 KG 030.1

Form A with gear ring

Form B without gear ring

Other types of the running surface see KG 010.1.

The self aligning roller bearings are covered by nilos sealing-rings. Grooved ball bearings have one-sided seal discs. The roller bearings are greased.

Material:

Wheel body- \varnothing 200 - 500 C45 drop forged

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

Bush S355JR (St 52)

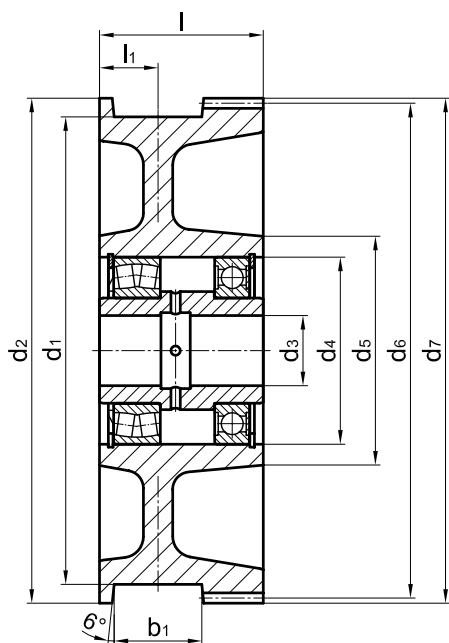
Other materials and dimensions on request.

Suitable wheel axles see KG 010.4

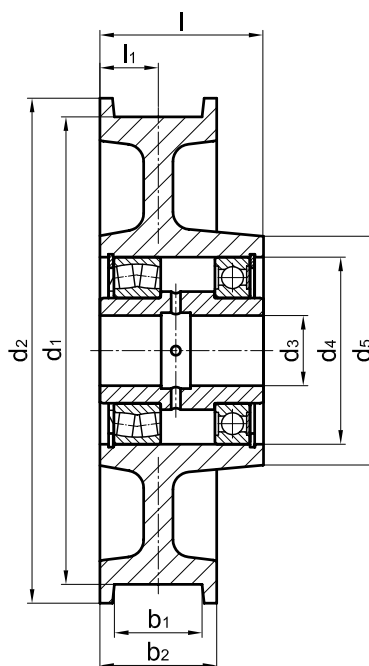
Crane wheels with anti-friction bearings and bush

similar DIN 15 049

KG 030



Form A with gear ring



Form B without gear ring

wheel- Ø d ₁	b ₁ ¹⁾	b ₂	d ₂	d ₃	d ₄	d ₅	l	l ₁	bearing type	gear ring ²⁾ (form A)				unit weight ^{a)} [kg]		wheel load [kg] ³⁾
										mo- dule	no. of teeh	d ₆	d ₇	Form A	Form B	
h11				E9	M7		-0,5									
200	30-60	80	232	40	90	117	95	40	62 10Z 222 10	3	75	225	231	17,5	16	3 800
										4	56	224	232			
250	30-60	80	274	50	110	142	120	40	62 12Z 222 12	3	88	264	270	30	25	5 600
										4	66		272			
300	35-65	90	336	50	120	152	120	45	62 13Z 222 13	3	110	330	336	43	37	7 300
										4	82	328				
315	40-75	100	348	55	130	167	140	50	62 15Z 222 15	4	85	340	348	54	48	8 500
400	40-75	100	432	60	160	197	140	50	62 18Z 222 18	4	106	424	432	81	73	11 900
500	50-85	110	540	70	180	230	170	55	62 20Z 222 20	6	88	528	540	150	112	17 500
630	55-95	120	680	80	200	250	200	60	62 22Z 222 22	8	83	664	680	260	190	22 100

1) The dimension of the gauge recess b₁ to be stated with order.

2) Module and number of teeth to be stated with order.

Tooth form according to DIN 867 without appending modification.

Pressure angle 20 degree.

3) The wheel loads stated are valid for v ≈ 40 m/min with an endurance of approximately 10 000 hours and with maximum possible rail head width of the corresponding wheel.