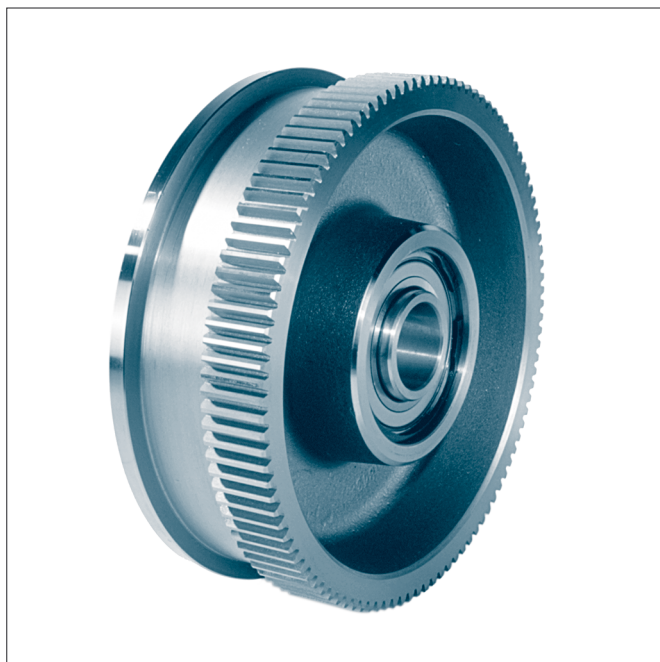


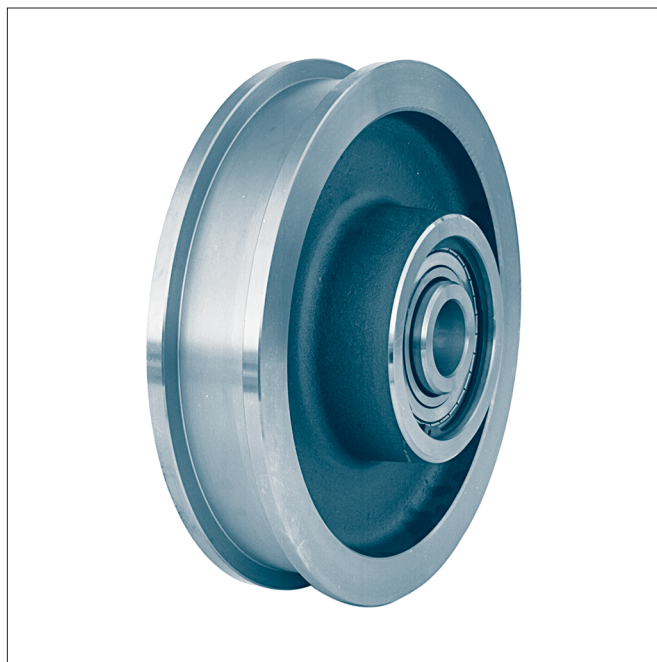
## Crane wheels with anti-friction bearings and bush

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- $\varnothing$  d1 = 300 mm, gauge b1 = 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)

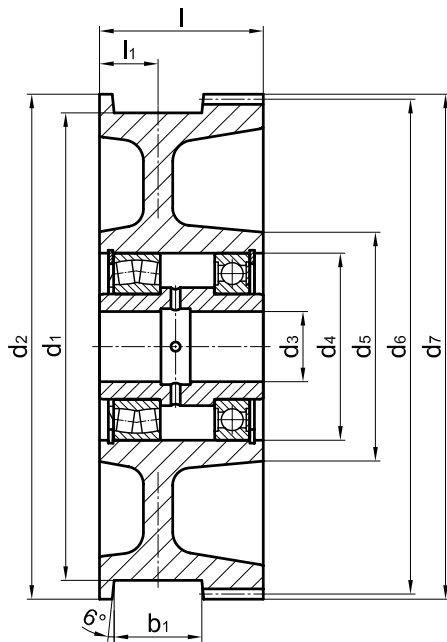
**Other materials and dimensions on request.**

Suitable wheel axles see KG 010.4

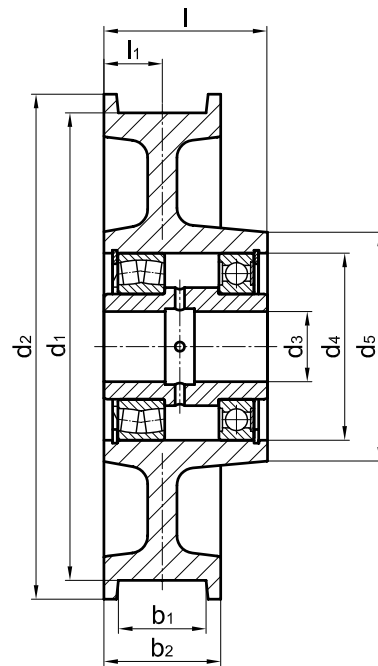
# Crane wheels with anti-friction bearings and bush

similar DIN 15 049

KG 030



**Form A** with gear ring



**Form B** without gear ring

wheel-Ø d1	b1 <sup>1)</sup>	b2	d2	d3	d4	d5	l	l1	bearing type	gear ring <sup>2)</sup> (form A)				unit weight ≈[kg]		wheel load [kg] <sup>3)</sup>
										mo- dule	no. of teeth	d6	d7	Form A	Form B	
h11				E9	M7		-0,5									
<b>200</b>	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			
<b>250</b>	30-60	80	274	50	110	142	120	40	62 12Z 222 12	3	88	264	270	30	25	5 600
										4	66	264	272			
<b>300</b>	35-65	90	336	50	120	152	120	45	62 13Z 222 13	3	110	330	336	43	37	7 300
										4	82	328	336			
<b>315</b>	40-75	100	348	55	130	167	140	50	62 15Z 222 15	4	85	340	348	54	48	8 500
<b>400</b>	40-75	100	432	60	160	197	140	50	62 18Z 222 18	4	106	424	432	81	73	11 900
<b>500</b>	50-85	110	540	70	180	230	170	55	62 20Z 222 20	6	88	528	540	150	112	17 500
<b>630</b>	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  $v \approx 40$  m/min with an endurance of approximately 10 000 hours and with maximum possible rail head width of the corresponding wheel.