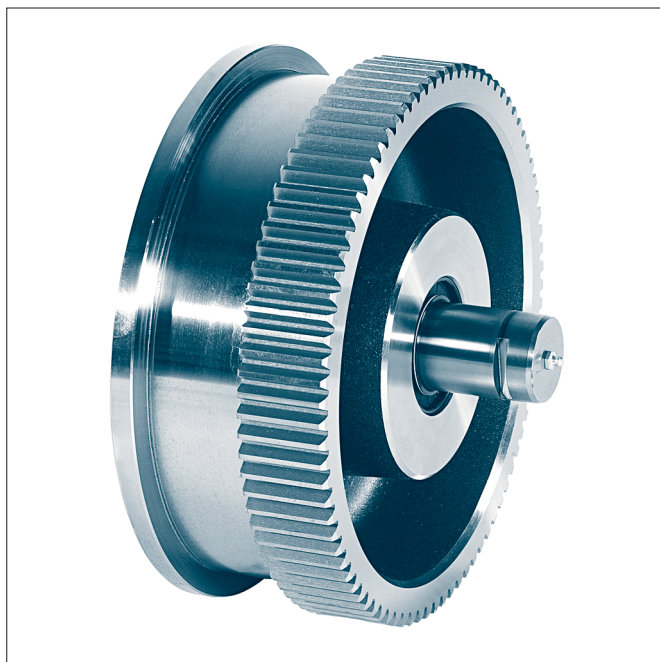


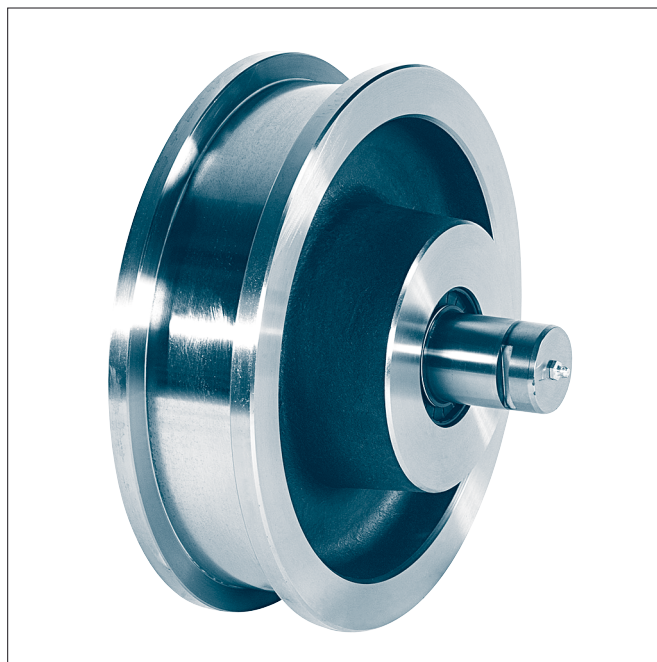
## Crane wheels with precision cylindrical roller bearings

similar to DIN 15 049

KG 015



**Form A** with gear ring



**Form B** without gear ring

Description of a travel wheel form A with gear ring, nominal- $\varnothing$  d1 = 300 mm, gauge b1 = 50 mm, complete with cylindrical roller bearings, radial shaft seal rings and hardened axle with  $\varnothing$  d3 = 50 mm, module 3 and number of teeth 110:

**Crane wheel A 300 × 50 – 3 × 110 KG 015**

**Form A** with gear ring

**Form B** without gear ring

Other types of the running surfaces see KG 010.1.

The roller bearings are sealed with radial shaft seal rings on both sides and not greased

Material:

Wheel body- $\varnothing$  160-500 C45 drop forged

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

Wheel axle 42CrMo4+QT

Surfaces hardened to HRC 56-59

**Other material and dimensions on request.**

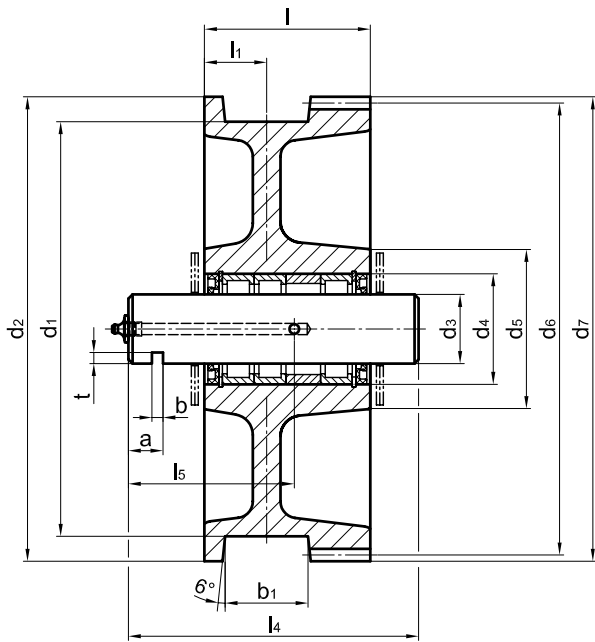
### Dimensions of the appropriate wheel axle

for wheel- $\varnothing$ d <sub>1</sub>	d <sub>3</sub> f7	l <sub>4</sub>	l <sub>5</sub>	a	b +0,5	t +0,5	unit weight ≈[kg]
160 200	40	190	110	25	8	7	1,8
250 300	50	210	120	25	8	8	3,1
315	55	265	140	25	8	9	4,8
400	60	265	140	25	8	9	5,7
500	70	285	150	25	10	10	8,5
630	80	335	160	25	10	10	13,0

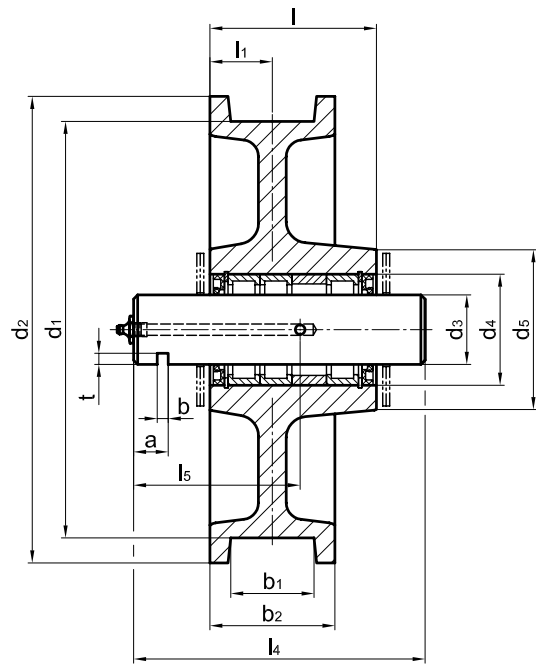
# Crane wheels with precision cylindrical roller bearings

similar to DIN 15 049

KG 015



**Form A** with gear ring



**Form B** without gear ring

wheel-Ø d1	b1 <sup>1)</sup>	b2	d2	d3	d4	d5	l	l1	number of bea- rings	gear ring <sup>2)</sup> (Form A)		unit weight ≈[kg]		wheel load [kg] <sup>3)</sup>		
										Mo- dule	Number of teeth	d6	d7		Form A	Form B
h11					M7											
160	30-60	80	186	40	62	85	95	40	2	2,5	72	180	185	11	9,5	2 600
										3	60	180	186			
200	30-60	80	232	40	62	117	95	40	3	3	75	225	231	18,5	17	4 000
										4	56	224	232			
250	30-60	80	274	50	80	142	120	40	3	3	88	264	270	31	26	5 600
										4	66	264	272			
300	35-65	90	336	50	80	152	120	45	3	3	110	330	336	44	38	6 750
										4	82	328	336			
315	40-75	100	348	55	85	167	140	50	3	4	85	340	348	56	50	7 100
400	40-75	100	432	60	90	197	140	50	4	4	106	424	432	88	73	9 700
500	50-85	110	540	70	110	230	170	55	4	6	88	528	540	160	129	17 000
630	55-95	120	680	80	120	180	200	60	4	8	83	664	680	240	186	21 000

- 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 profile correction.  
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.