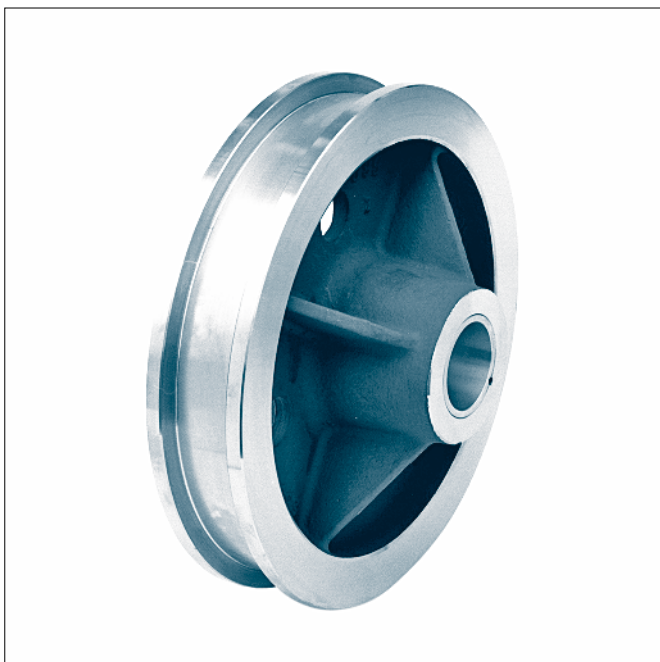


## Crane wheels with slide bearing without gear ring

DIN 15 074



Designation of a crane wheel form B with nominal- $\varnothing$   $d_1 = 630$  mm, gauge  $b_1 = 100$  mm, hub symmetric ( $l_1 = l_2 = 185$  mm):

**Crane wheel B 630 × 100 DIN 15 074**

**Form S** narrow crane wheel

**Form B** broad crane wheel

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

Material:

Wheel body- $\varnothing$  200–250 C45 machined from solid

Wheel body- $\varnothing$  315–1250 GE420 (GS-70) or  
G42CrMo4+QT (GS-42CrMo4 V)

Bearings G-CuSn7ZnPb (Rg 7)

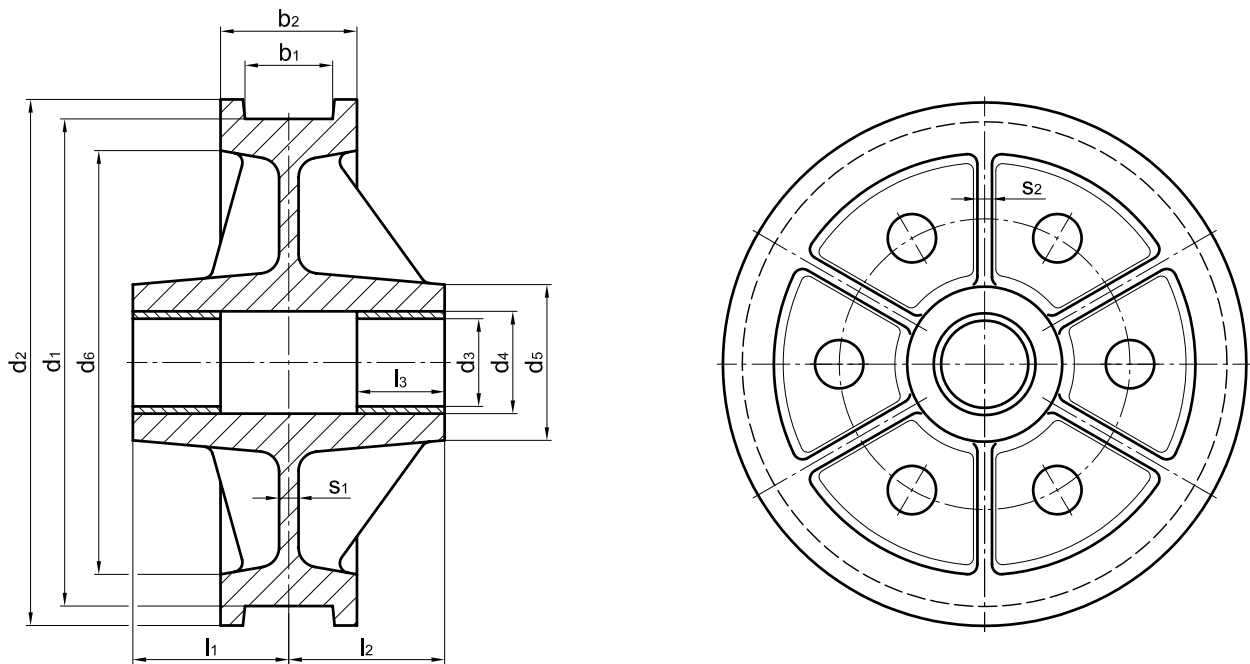
**Other materiale and dimensions on request.**

Crane wheels with gear ring see DIN 15075.

See DIN 15070 for basis of calculation for crane wheels.

# Crane wheels with slide bearing without gear ring

## DIN 15 074



Form	d <sub>1</sub> h9	b <sub>1</sub> <sup>1)</sup>	b <sub>2</sub>	l <sub>1</sub> <sup>2)</sup>		l <sub>2</sub>	d <sub>2</sub>	d <sub>3</sub> D10	d <sub>4</sub> H7	d <sub>5</sub>	d <sub>6</sub>	l <sub>3</sub>	s <sub>1</sub>	s <sub>2</sub>	No. of ribs	unit weight <sup>a)</sup> [kg]	
				symetric	asymmetric												
S	<b>200</b>	40-55	90	105	80	60	105	230	45	55	85	170	45	18	-	-	30
S	<b>250</b>	40-55	90	115	85	60	115	280	50	60	100	210	50	18	-	-	48
S	<b>315</b>	45-55	90	125	95	65	125	350	60	75	120	270	63	18	-	-	60
B		60-65	110	135	105	75	135										68
S	<b>400</b>	55-65	110	140	105	75	140	440	80	95	140	345	80	20	-	-	90
B		70-90	140	155	120	90	155										105
S	<b>500</b>	55-65	110	145	110	75	145	540	90	105	160	435	90	20	15	4	130
B		70-90	140	160	125	90	160										150
S	<b>630</b>	65-75	120	165	120	80	165	680	100	120	180	560	100	20	15	6	210
B		80-110	160	185	140	100	185										250
S	<b>710</b>	75-90	140	185	135	90	185	760	110	130	200	630	110	25	18	6	280
B		95-160	210	220	170	125	220										390
S	<b>800</b>	75-90	140	195	140	90	195	850	125	145	220	710	125	25	18	6	350
B		95-160	210	230	175	125	230										470
S	<b>900</b>	75-90	140	205	145	90	205	950	140	160	240	805	150	25	18	6	400
B		95-160	210	240	180	125	240										540
S	<b>1000</b>	75-90	140	205	145	90	205	1050	160	180	270	900	150 <sup>3)</sup>	30	20	6	525
B		95-160	210	240	180	125	240										680
B	<b>1120</b>	95-160	220	260	190	125	260	1180	180	200	300	1010	180	30	20	8	880
B	<b>1250</b>	95-160	220	260	190	125	260	1310	200	220	330	1140	200 <sup>4)</sup>	30	20	8	1040

1) The dimension of the gauge recess b<sub>1</sub> to be stated with order. For running surface profiles and correspondence of crane rails to running wheel diameter see DIN 15072.

2) Asymmetric hubs (diameter l<sub>1</sub>) as per agreement.

3) For l<sub>1</sub> = 90 mm is a slide bearing length of l<sub>3</sub> = 120 mm to use.

4) For l<sub>1</sub> = 125 mm is a slide bearing length of l<sub>3</sub> = 180 mm to use.