

# SPK series

## Cast iron flanged wheels



400–3,500 kg

**Tread and tyre hardness**  
 180–220 HB

**Smooth operation / floor preservation**  
 sufficient

**Rolling resistance**  
 excellent

**Wear resistance**  
 excellent

- Wheel:**
- rugged grey cast iron, hardness 180–220 HB
  - with grease nipple from wheel Ø 125 mm
  - machined flange and tread
  - 3° taper tread to axle
  - extremely low rolling resistance
  - outstanding wear resistance
  - lacquered, colour silver

- Other features:**
- chemical resistance to many aggressive substances
  - operating temperature:  
 plain bore version: -100 °C to +600 °C, load capacity reduced by 50% at +600 °C  
 ball bearing version: -20 °C to +120 °C  
 heat-resistant ball bearing version: -30 °C to +300 °C, load capacity reduced by 50% at +300 °C
  - provide adequate lubrication on a regular basis for plain bore version
  - the load capacities provided in the table refer to the allocation of flanged wheels to rail profiles in accordance with DIN 536 specified below (crane rail standard):  
 SPK 50G–SPK 200K, SPK 250G, SPK 250K: A45  
 SPK 201K, SPK 251K: A55

- Additional details:**
- wheel series: page 74
  - tread: page 59
  - bearing types: page 84–85
  - chemical resistance: page 51

Flanged wheels	Wheel Ø without flange (D) [mm]	Wheel Ø incl. flange (D1) [mm]	Wheel width (T2) [mm]	Running width (T3) [mm]	Flange location (T4) [mm]	Load capacity up to +70 °C [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
SPK 50G	50	62	32	26	6	400	plain bore	15	32
SPK 75G	75	100	40	30	13.5	700	plain bore	20	47
SPK 75K	75	100	40	30	13.5	700	ball bearing	20	47
SPK 100G	100	125	46	36	13	800	plain bore	20	52
SPK 100K	100	125	46	36	13	800	ball bearing	20	52
SPK 125G	125	145	46	36	13	900	plain bore	20	52
SPK 125K	125	145	46	36	13	900	ball bearing	20	52
SPK 150G	150	175	46	36	13	1,000	plain bore	20	52
SPK 150K	150	175	46	36	13	1,000	ball bearing	20	52
SPK 180G	180	210	46	36	13	1,200	plain bore	30	52
SPK 180K	180	210	46	36	13	1,200	ball bearing	20	52
SPK 200G	200	230	53	38	20	1,500	plain bore	30	60
SPK 200K	200	230	53	38	10	1,500	ball bearing	25	60
SPK 201K	200	230	80	60	20	3,000	ball bearing	40	90
SPK 250G	250	300	65	50	17.5	2,500	plain bore	40	70
SPK 250K	250	300	65	50	17.5	2,500	ball bearing	30	70
SPK 251K	250	300	80	60	25	3,500	ball bearing	40	90

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### Versions / options



with heat-resistant ball bearing up to +300 °C

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Product code suffix	-IK
Available for	ball bearing versions upon request

