







Flanged wheels and castors



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Series: SPK

Cast iron flanged wheels

400 - 3500 kg

RoHS



Tread & tyre hardness	180 - 220 HB
Temperature resistance	-100° C - +600° C
Rolling resistance	excellent
Operating noise	sufficient
Floor surface preservation	sufficient

SPK-wheel series:

Made of rugged grey cast iron, wheel Ø 125 mm or larger (without flange dimension) with grease nipple, machined flange and tread, with horizontal taper of 3°, exceptionally low rolling resistance, outstanding wear resistance, lacquered, colour silver.

(Material description page 40)

Bearing types:

- Plain bore
- Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.

Other features:

For chemical resistance refer to material description page 40.

Operating temperature:

- Plain bore version: -100° C to +600° C, load capacity reduction of 50 % at +600° C.
- Ball bearing version: -25° C to +120° C.
- Heat-resistant ball bearing version (refer to 'Options'): -30° C to +300° C, load capacity reduction of 50 % at +300° C.

For plain bore versions, a temperature specific grease must be regularly applied.

The load capacities indicated in the table refer to the following rail profiles in acc. to DIN 536 (crane rail standard):

SPK 50G to SPK 200K, SPK 250G, SPK 250K: A45
SPK 201K, SPK 251K: A55

Wheel series overview page 50

Flanged wheels	Wheel Ø w/o flange (D) [mm]	Wheel Ø incl. flange (D1) [mm]	Wheel width (T2) [mm]	Tread width (T3) [mm]	Flange length (T4) [mm]	Load capacity [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	1000	Plain bore	20	52
SPK 150K	150	175	46	36	13	1000	Ball bearing	20	52
SPK 180G	180	210	46	36	13	1200	Plain bore	30	52
SPK 180K	180	210	46	36	13	1200	Ball bearing	20	52
SPK 200G	200	230	53	38	20	1500	Plain bore	30	60
SPK 200K	200	230	53	38	20	1500	Ball bearing	25	60
SPK 201K	200	230	80	60	25	3000	Ball bearing	40	90
SPK 250G	250	300	65	50	17.5	2500	Plain bore	40	70
SPK 250K	250	300	65	50	17.5	2500	Ball bearing	30	70
SPK 251K	250	300	80	60	25	3500	Ball bearing	40	90

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Options



With heat-resistant ball bearing (oven bearing)

Technical description page

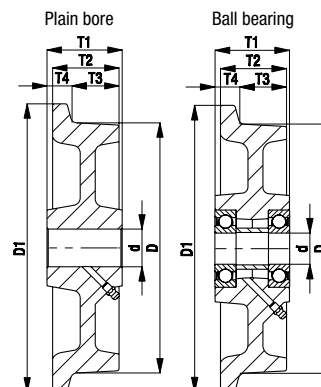
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Product code suffix

-IK

Available for

ball bearing versions upon request



Series: BS-SPK

Welded steel heavy duty castors, with cast iron flanged wheel

800 - 3500 kg

RoHS



Brackets: BS series - Particularly rugged welded steel construction, with reinforced fork for an improved absorption of axial forces.
Bolted wheel axle.
Zinc-plated, yellow-passivated, Cr6-free.
Bracket overview: Page 68
Top plate drawings: Page 77 and 78

Wheels: SPK series - Made of grey cast iron, wheel Ø 125 mm or larger (without flange dimension) with grease nipple, lacquered, silver.
Bearing type: Two pressed-in ball bearings.
Detailed description: Page 336 and 50



Fixed castors	Wheel Ø without flange (D) [mm]	Tread width without flange (T3) [mm]	Flange length (B4) [mm]	Load capacity [kg]	Bearing type	Total height (H) [mm]	Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [mm]
BS-SPK 100K	100	36	13	800	Ball bearing	157	140 x 110	105 x 75-80	11
BS-SPK 125K	125	36	13	900	Ball bearing	170	140 x 110	105 x 75-80	11
BS-SPK 150K	150	36	13	1000	Ball bearing	200	140 x 110	105 x 75-80	11
BS-SPK 200K	200	38	10	1500	Ball bearing	245	140 x 110	105 x 75-80	11
BS-SPK 201K	200	60	20	3000	Ball bearing	245	175 x 140	140 x 105	14
BS-SPK 250K	250	50	17.5	2500	Ball bearing	305	175 x 140	140 x 105	14
BS-SPK 251K	250	60	20	3500	Ball bearing	305	200 x 160	160 x 120	14

Options



With heat-resistant ball bearing (oven bearing) *

Technical description page

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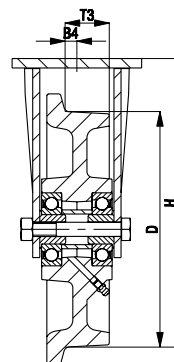
Product code suffix

-IK

Available for

upon request

* For load capacity refer to page 336



Series: SPKGSP0

Cast nylon flanged wheels

220 - 3000 kg

RoHS



Tread & tyre hardness	80° shore D
Temperature resistance	-25° C - +80° C
Rolling resistance	excellent
Operating noise	reasonable
Floor surface preservation	reasonable

SPKGSP0-wheel series:

Made of high-quality, impact-resistant, hard and tough, highly compressed cast nylon, 80° shore D hardness, with horizontal taper of 3°, very low rolling resistance, high abrasion resistance, colour natural beige.

(Material description page 40)

Bearing types:

- Plain bore, corrosion-resistant
- Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.

Other features:

High chemical resistance to many aggressive substances (table page 36-37).

Operating temperature: -25° C to +80° C.

At ambient temperatures above +35° C the load capacity is reduced.

The load capacities indicated in the table refer to the following rail profiles in acc. to DIN 536 (crane rail standard):

SPKGSP0 50G to SPKGSP0 200K,

SPKGSP0 250K: A45

SPKGSP0 201K, SPKGSP0 251K: A55

Maintenance-free under standard conditions.

Wheel series overview page 51

Flanged wheels	Wheel Ø w/o flange (D) [mm]	Wheel Ø incl. flange (D1) [mm]	Wheel width (T2) [mm]	Tread width (T3) [mm]	Flange length (T4) [mm]	Load capacity [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
SPKGSP0 50G	50	62	32	26	6	220	Plain bore	15	32
SPKGSP0 50K	50	62	32	26	6	220	Ball bearing	15	32
SPKGSP0 75G	75	100	40	30	13.5	380	Plain bore	20	47
SPKGSP0 75K	75	100	40	30	13.5	380	Ball bearing	20	47
SPKGSP0 100K	100	125	46	36	13	600	Ball bearing	20	52
SPKGSP0 125K	125	145	46	36	13	750	Ball bearing	20	52
SPKGSP0 150K	150	175	46	36	13	900	Ball bearing	20	52
SPKGSP0 200K	200	230	53	38	20	1300	Ball bearing	25	60
SPKGSP0 201K	200	230	80	60	25	2500	Ball bearing	40	90
SPKGSP0 250K	250	300	65	50	17.5	2100	Ball bearing	30	70
SPKGSP0 251K	250	300	80	60	25	3000	Ball bearing	40	90

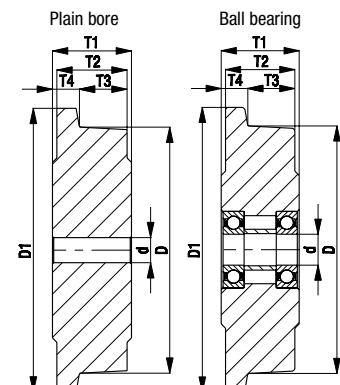
Further dimensions upon request

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Options



	With stainless steel ball bearing *	Drive wheel with hub keyway	With fixed bracket	Further versions
Technical description page	61			
Product code suffix	-XK	SPKGSPON series		
Available for	upon request	upon request	upon request	upon request



* Some dimensions will result in a reduced load capacity (ask for details)

Series: SPKVS

Solid steel flanged wheels

500 - 9000 kg

RoHS



Tread & tyre hardness	190 - 230 HB
Temperature resistance	-25° C - +120° C
Rolling resistance	excellent
Operating noise	sufficient
Floor surface preservation	sufficient

SPKVS-wheel series:

Made of mild steel, with lightly oiled surface, with horizontal taper of 3°, exceptionally low rolling resistance, outstanding wear resistance, extremely high static and dynamic load capacity. (Material description page 40)

Bearing type:

- Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.

Other features:

For chemical resistance refer to material description page 40.

Operating temperature:

- Ball bearing version: -25° C to +120° C.
- Heat-resistant ball bearing version (refer to 'Options'): -30° C to +300° C, load capacity reduction of 50 % at +300° C.

The load capacities indicated in the table refer to the following rail profiles in acc. to DIN 536 (crane rail standard):

SPKVS 50K to SPKVS 200K: A45

SPKVS 250K: A55

SPKVS 300K to SPKVS 400K: A65.

Maintenance-free under standard conditions.

Wheel series overview page 51

Flanged wheels

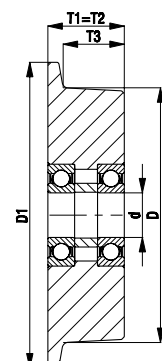
	Wheel Ø w/o flange (D) [mm]	Wheel Ø incl. flange (D1) [mm]	Wheel width (T2) [mm]	Tread width (T3) [mm]	Load capacity [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
SPKVS 50K	50	62	40	30	500	Ball bearing	15	40
SPKVS 75K	75	100	40	30	800	Ball bearing	20	40
SPKVS 100K	100	125	50	40	1200	Ball bearing	25	50
SPKVS 125K	125	150	50	40	1500	Ball bearing	25	50
SPKVS 150K	150	180	60	48	2000	Ball bearing	30	60
SPKVS 200K	200	240	60	48	2500	Ball bearing	35	60
SPKVS 250K	250	290	75	60	4000	Ball bearing	45	75
SPKVS 300K	300	345	90	72	7000	Ball bearing	60	90
SPKVS 400K	400	445	90	72	9000	Ball bearing	80	90

Further dimensions upon request

Options



	With heat-resistant ball bearing (oven bearing)	With spherical roller bearing	Drive wheels with hub keyway	With fixed bracket	Further versions
Technical description page	61	61			
Product code suffix	-IK	-PR	SPKVSN series		
Available for	upon request	upon request	refer to page 466	upon request	upon request



Series: DSPKGSPO

Cast nylon double flanged wheels

50 - 700 kg

RoHS



Tread & tyre hardness	80° shore D
Temperature resistance	-25° C - +80° C
Rolling resistance	excellent
Operating noise	reasonable
Floor surface preservation	reasonable

DSPKGSPO-wheel series:

Made of high-quality, impact-resistant, hard and tough, highly compressed cast nylon, 80° shore D hardness, V-shaped tread (for angular steel), very low rolling resistance, high abrasion resistance, colour natural beige.

(Material description page 40)

Bearing types:

- Plain bore, corrosion-resistant
- Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.

Other features:

High chemical resistance to many aggressive substances (table page 36-37).

Operating temperature: -25° C to +80° C.

At ambient temperatures above +35° C the load capacity is reduced.

The relatively high floor pressure should be considered for pressure-sensitive floors.

Maintenance-free under standard conditions.

Wheel series overview page 51

Double flanged wheels

	Wheel Ø (D) [mm]	Wheel width (T2) [mm]	Recess width (B) [mm]	Load capacity [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
DSPKGSPO 50G	50	18	12	50	Plain bore	10	18
DSPKGSPO 50K	50	18	12	50	Ball bearing	10	18
DSPKGSPO 75G	75	22	16	75	Plain bore	12	22
DSPKGSPO 75K	75	22	16	75	Ball bearing	12	22
DSPKGSPO 100K	100	24	18	150	Ball bearing	15	24
DSPKGSPO 101K *	100	40	20	400	Ball bearing	15	40
DSPKGSPO 120K	120	33	25	200	Ball bearing	20	33
DSPKGSPO 125K *	125	50	25	700	Ball bearing	20	50
DSPKGSPO 150K	150	33	25	400	Ball bearing	20	33
DSPKGSPO 200K	200	33	25	500	Ball bearing	20	33

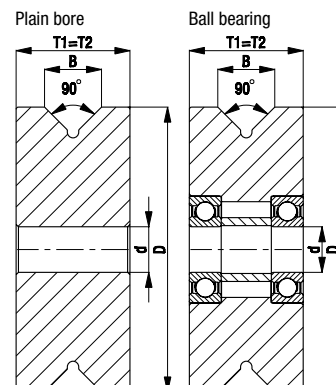
* Wheels with wide tread which can also run on the floor

Further dimensions upon request

Options



	With stainless steel ball bearing	With fixed bracket	Further versions
Technical description page	61		
Product code suffix	-XK		
Available for	upon request	upon request	upon request



Series: DSPK

Solid steel double flanged wheels

120 - 1200 kg

RoHS



Tread & tyre hardness	190 - 230 HB
Temperature resistance	-25° C - +120° C
Rolling resistance	excellent
Operating noise	sufficient
Floor surface preservation	sufficient

DSPK-wheel series:

Made of mild steel, with lightly oiled surface, V-shaped tread (for angular steel), exceptionally low rolling resistance, outstanding wear resistance, extremely high static and dynamic load capacity. (Material description page 40)

Bearing type:

- Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.

Other features:

For chemical resistance refer to material description page 40.

Operating temperature: -25° C to +120° C.

The relatively high floor pressure should be considered for pressure-sensitive floors.

Maintenance-free under standard conditions.

Wheel series overview page 51

Double flanged wheels

	Wheel Ø (D) [mm]	Wheel width (T2) [mm]	Recess width (B) [mm]	Load capacity [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
DSPK 50K	50	18	12	120	Ball bearing	10	18
DSPK 75K	75	22	16	250	Ball bearing	12	22
DSPK 100K	100	24	18	300	Ball bearing	15	24
DSPK 101K *	100	40	20	600	Ball bearing	15	40
DSPK 120K	120	33	25	600	Ball bearing	20	33
DSPK 125K *	125	50	25	1200	Ball bearing	20	50
DSPK 150K	150	33	25	800	Ball bearing	20	33
DSPK 200K	200	33	25	1000	Ball bearing	20	33

* Wheels with wide tread which can also run on the floor

Further dimensions upon request

Options



	With fixed bracket	Further versions
Technical description page		
Product code suffix		
Available for	upon request	upon request

