





















































BLACKWHEELS



**Räder-[®]
Busch**
GmbH

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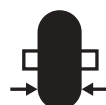
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Technical changes and tolerances reserved.
 Pictures and illustrations may differ from actual products.

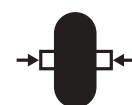
Black polyurethane wheels



mm



mm



mm



kg



mm

	PUS033/09/08FL*	33	9	9	70	8
	PUS033/27/08FL*	33	27	28	100	8
PUS050/20/08BA*		50	20	20	75	8
PUS050/40/10BA*	PUS050/40/10FL*	50	40	40	150	10
PUS065/30/12BA*		65	30	30	200	12
PUS065/30/15BA*		65	30	30	200	15
PUSS075/30/12BA		75	30	30	250	12
PUSS080/30/12BA		80	30	30	250	12
PUSS080/30/15BA		80	30	30	250	15
PUSS080/40/12BA		80	40	40	300	12
PUSS080/40/15BA		80	40	40	300	15
PUSS100/22/12BA		100	22	22	250	12
PUSS100/22/15BA		100	22	22	250	15

* with silver rim

Black polyurethane wheels

Wheel:

Black wheels with black polyurethane, 92° Shore, on solid aluminium core, with ball bearing

Available in flat or convex

Characteristics:

- very high load capacity
- temperature resistant between -30°C and +80°C
- resistant to rubbing
- extremely robust
- good shock absorbing characteristic
- tyre fits stabil because the rim is cured-on
- tear resistant
- resistant to oxygen, benzene, oil, ozone and many other chemicals



mm



mm



mm



kg



mm

		mm	mm	mm	kg	mm
PUSS100/40/12BA	PUS100/40/12FL*	100	40	40	400	12
PUSS100/40/15BA	PUS100/40/15FL*	100	40	40	400	15
PUSS100/40/20BA	PUS100/40/20FL*	100	40	40	400	20
PUSS125/40/20BA		125	40	40	450	20
PUSS125/40/25BA		125	40	40	450	25
PUSS125/45/20BA		125	45	45	550	20
PUSS125/45/25BA		125	45	45	550	25
PUSS125/45/30BA		125	45	45	550	30
PUSS150/50/20BA		150	50	50	800	20
PUSS150/50/25BA		150	50	50	800	25
PUSS150/50/30BA		150	50	50	800	30

* with silver rim

Black polyurethane castors



mm



mm



mm



mm



kg



mm



mm

LMPUS033KUPL*	LMPUS033KUPLTF*	BMPUS033KUPL*	33x27	51	60x60	38x38/47x47	100	15	6
LPUSS050KUPL	LPUSS050KUPLTF	BPUSS050KUPL	50x20	73	60x60	38x38/47x47	50	25	6
LMPUSS050KUPL	LMPUSS050KUPLTF	BMPUSS050KUPL	50x40	72	60x60	38x38/47x47	150	28	6
LMPUSS050KUPLS	LMPUSS050KUPLSTF	BPUSS050KUPLS	50x40	82	80x80	60x60	150	28	9
LPUSS065KUP1	LPUSS065KUP1TF	BPUSS065KUP1	65x30	93	105x80	80x60	200	40	9
LPUSS080KUP1	LPUSS080KUP1TF	BPUSS080KUP1	80x30	100	105x80	80x60	200	40	9
LPUSS080KUP3	LPUSS080KUP3TF	BPUSS080KUP3	80x40	115	140x110	105x80	250	48	11
LPUSS100KUP1	LPUSS100KUP1TF	BPUSS100KUP1	100x40	128	105x80	80x60	320	40	9
LPUSS100KUP3	LPUSS100KUP3TF	BPUSS100KUP3	100x40	125	140x110	105x80	400	48	11
LPUSS125KUP3	LPUSS125KUP3TF	BPUSS125KUP3	125x45	155	140x110	105x80	500	47	11
LPUSS125KUP3A	LPUSS125KUP3TFA	BPUSS125KUP3A	125x45	165	140x110	105x80	500	45	13
LPUSS150KUP3	LPUSS150KUP3TF	BPUSS150KUP3	150x50	185	140x110	105x80	500	60	11

* with silver rim



mm



mm



mm



mm



kg



mm



mm

SLPUSS075KUP3TFS4RF	75x50	125	135x110	105x80	350	50	11
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Black polyurethane castors

theatre castors with black polyurethane wheel, 92° Shore, aluminium solid core, ball bearing, housing made of black sheet steel with double ball race at the fork head

Available in flat or convex



LPUSS050KUPL-4Fach		50x40	82	80x80	60x60	150	37	9
LPUSS065KUP1-4Fach		65x30	96	105x80	80x60	200	40	9
LPUSS075KUP1-4Fach		75x30	100	105x80	80x60	200	40	9
LPUSS080KUP1-4Fach		80x30	103	105x80	80x60	200	40	9
LPUSS080KUP3-4Fach	BPUSS080KUP3TF	80x40	115	140x110	105x80	250	(48)	11
LPUSS080KUP3-8Fach		80x40	115	140x110	105x80	250	48	11
	SLPUSS075KUP3TFS	75x50	125	135x110	105x80	350	50	11
LPUSS100KUP3-4Fach	BPUSS100KUP3TF	100x40	125	140x110	105x80	350	(48)	11
LPUSS100KUP3-8Fach		100x40	125	140x110	105x80	350	48	11
	SLPUSS100KUP3TFS	100x40	148	125x125	105x80	350	47	11
LPUSS125KUP3-4Fach	BPUSS125KUP3TF	125x45	155	140x110	105x80	500	(47)	11
LPUSS150KUP3-4Fach	BPUSS150KUP3TF	150x50	185	140x110	105x80	500	(60)	11



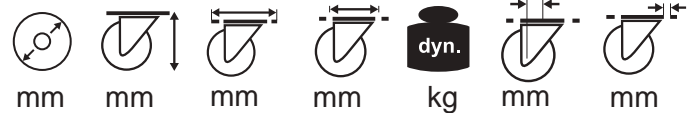
LMPUS033KUO*	LMPUS033KUOTF*	33x27	51	10	100	15
LPUSS050KUO	LPUSS050KUOTF	50x20	73	10	50	25
LMPUSS050KUO	LMPUSS050KUOTF	50x40	72	12	150	28
LPUSS065KUO		65x30	92	13	180	40
LPUSS075KUO		75x30	97	13	180	40
LPUSS080KUO	LPUSS080KUOTF	80x30	100	12	180	37
LPUSS080/40KUO		80x40	115	13	250	48
LPUSS100KUOA	LPUSS100KUOTFA	100x40	126	12	120	37
LPUSS100KUO	LPUSS100KUOTF	100x40	125	13	350	48
LPUSS125KUOA	LPUSS125KUOTFA	125x45	150	12	170	42
LPUSS150KUOA	LPUSS150KUOTFA	150x50	178	12	200	45

* with silver rim



possibilities for fixation

Black heavy duty polyurethane castors



with small plate

SLPUSS080KUP1	SLPUSS080KUP1TF	SBPUSS080KUP1	80x30	120	105x85	80x60	250	40	9
SLPUSS100KUP1	SLPUSS100KUP1TF	SBPUSS100KUP1	100x40	130	105x80	80x60	350	40	9

with large plate

SLPUSS100KUP3		SBPUSS100KUP3	100x40	148	135x110	105x80	350	40	11
SLPUSS125KUP3	SLPUSS125KUP3TF	SBPUSS125KUP3	125x45	178	135x110	105x80	500	50	11
SLPUSS150KUP3	SLPUSS150KUP3TF	SBPUSS150KUP3	150x50	210	135x110	105x80	660	53	11

Black heavy duty polyurethane castors

black castors with black Polyurethane, 92° Shore, on aluminium solid core ball bearing
Made of black sheet steel with double ball race at the fork head

in flat or convex available



SLPUSS100KUP3+2RF		SBPUSS100KUP3TF	100x40	148	135x105	105x80	350	(40)	11
	SLPUSS100KUP3TFS		100x40	148	125x125	105x80	350	47	11
SLPUSS125KUP3+2RF	SLPUSS125KUP3TFS*	SBPUSS125KUP3TF	125x45	178	135x110	105x80	500	(50)	11
SLPUSS150KUP3+2RF	SLPUSS150KUP3TFS	SBPUSS150KUP3TF	150x50	210	135x110	105x80	660	(53)	11

*also available with overall height 185 mm on demand



SLPUSS080KUZ22R	SLPUSS080KUZ22RTF		80x30	114	22x50	250	36
SLPUSS100KUZ22R	SLPUSS100KUZ22RTF		100x40	131	22x50	300	36
SLPUSS125KUZ22R	SLPUSS125KUZ22RTF		125x45	161	22x50	400	45
SLPUSS150KUZ22R	SLPUSS150KUZ22RTF		150x50	184	22x50	600	50

Black welded heavy duty polyurethane castors



mm



mm



mm



mm



kg



mm



mm

with small plate

GLPUSS065KUP1		GBPUSS065KUP1	65x30	132,5	105x80	80x60	200	30	9
GLPUSS080KUP1		GBPUSS080KUP1	80x40	140	100x80	80x60	300	30	9
GLPUSS100KUP1	GLPUSS100KUP1TF	GBPUSS100KUP1	100x40	150	100x80	80x60	350	30	9
GLPUSS125KUP1	GLPUSS125KUP1TF	GBPUSS125KUP1	125x40	160	105x80	80x60	400	32	9

with large plate

GLPUSS100KUP3		GBPUSS100KUP3	100x40	163	135x110	105x80	300	45	13
GLPUSS125KUP3	GLPUSS125KUP3TF	GBPUSS125KUP3	125x45	175	135x110	105x80	400	45	13
GLPUSS150KUP3	GLPUSS150KUP3TF	GBPUSS150KUP3	150x50	205	135x110	105x80	650	50	13

Black welded heavy duty polyurethane castors

black castors with black Polyurethane, 92° Shore, on aluminium solid core, ball bearing, made of black sheet steel with double ball race at the fork head



mm



mm



mm

dyn.
kg

mm

GLPUSS100KUZ22R	GLPUSS100KUZ22RTF	100x40	150	22x50	350	36
GLPUSS125KUZ22R	GLPUSS125KUZ22RTF	125x45	175	22x50	500	45
GLPUSS150KUZ22R	GLPUSS150KUZ22RTF	150x50	205	22x50	750	50

Black polyurethane double castors



mm



mm



mm



mm



dyn.

kg



mm



mm

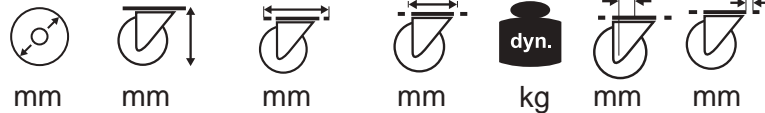
LDMPUS033KUPL*	LDMPUS033KUPLTF*	BDPUS033KUPL*	2x33x9	51	60X60	38X38/46X46	100	15	6
LDMPUSS050KUPL	LDMPUSS050KUPLTF	BDMPUSS050KUPL	2x50x20	72	60x60	38X38/46X46	150	28	6
LDMPUSS050KUPLS	LDMPUSS050KUPLSTF	BDPUSS050KUPLS	2x50x20	82	80x80	60x60	150	28	9
LDPUS100KUP3*	LDPUS100KUP3TF*	BDPUS100KUP3*	2x100x20	125	135x105	105x80	400	48	11
LDPUS100KUP1*		BDPUS100KUP1*	2x100x20	128	105x80	80x60	320	40	9
SLDPUS100KUP3*		SBDPUS100KUP3*	2x100x20	148	135x105	105x80	500	48	11
LDPUS100KUP4A*		BDPUS100KUP4A*	2x100x30	184	170x170	130x130	600	60	13
LDPUSS125KUP4A	LDPUSS125KUP4TFA	BDPUSS125KUP4A	2x125x45	197	170x170	130x130	750	60	13

* with silver rim

Black polyurethane double castors

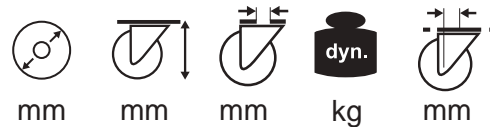
black castors with 2 black polyurethane wheels, 92° Shore, on aluminium solid core, ball bearing, made of black sheet steel with double ball race at the fork head

in flat or convex available



LDPUSS050KUPL-4Fach	2x50x20	82	80x80	60x60	150	37	9
LDPUS100KUP3-4Fach*	2x100x25	125	140x110	105x80	350	48	11
LDPUS100KUP3-8Fach*	2x100x25	125	140x110	105x80	350	48	11

* with silver rim



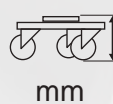
LDMPUS033KUO*	LDMPUS033KUOTF*	2x33x9	51	10	100	15
LDPUSS050KUO	LDMPUSS050KUOTF	2x50x20	72	12	150	28
LDPUS100KUO*	LDPUS100KUOTF*	2x100x25	125	13	350	40

* with silver rim



possibilities for fixation

Black polyurethane turtles



TLMPUS033KUP1/76*	118x118x118	33x27	76	105x85	80x60	300	175	9
TLMPUS033KUP3/85*	118x118x118	33x27	85	135x105	105x80	300	175	11
TLMPUS033KUP3S/95*	118x118x118	33x27	95	135x105	105x80	300	175	11
TLMPUSS050KUP1/101	183x183x183	50x40	101	105x85	80x60	450	246	9
TLMPUSS050KUP3/106	183x183x183	50x40	106	135x105	105x80	450	246	11
TLMPUSS050KUP3/108	183x183x183	50x40	108	135x105	105x80	450	254	11
TLMPUSS050KUP3S/115	183x183x183	50x40	115	135x105	105x80	450	254	11
TLMPUSS050KUP1S/101	210x210x210	50x40	101	105x85	80x60	350	318	9
TLMPUSS050KUP3S/108	210x210x210	50x40	108	135x105	105x80	450	318	11
TLMPUSS050KUP3SS/115	210x210x210	50x40	115	135x105	105x80	450	318	11
TLPUSS065KUP3/125	250x250x250	65x30	125	135x105	105x80	500	364	11
TLPUSS065KUP1/116	250x250x250	65x30	116	105x85	80x60	350	364	9
TLPUSS065KUP1/125	250x250x250	65x30	125	105x85	80x60	350	364	9
TLPUSS065KUP1S/128	250x250x250	65x30	128	105x85	80x60	350	364	9
TLPUSS075KUP1/122	250x250x250	75x30	122	105x85	80x60	350	381	9
TLPUSS075KUP3/130	250x250x250	75x30	130	135x105	105x80	500	381	11
TLPUSS080KUP1/124	250x250x250	80x30	124	105x85	80x60	350	387	9
TLPUSS080KUP3/133	250x250x250	80x30	133	135x105	105x80	500	387	11
TLPUSS080KUP3/148	250x250x250	80x30	148	135x105	105x80	500	387	11
TLPUSS080KUP1S/155	300x300x300	80x30	155	105x85	80x60	350	428	9
TLPUSS080KUP3S/155	300x300x300	80x40	155	135x105	105x80	600	428	11

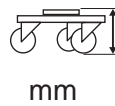
* with silver rim

Special sizes available on request !

Black polyurethane turtles

black turtles with black polyurethane, 92° Shore,
on aluminium solid core, ball bearing
housing made of black sheet steel, with double
ball race at the fork head

available in flat or convex



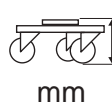
TLPUSS100KUP3L/160	300x300x300	100x40	160	135x105	105x80	600	456	11
TLPUSS100KUP3/164	300x300x300	100x40	164	135x105	105x80	600	456	11
TLPUSS100KUP3/166	300x300x300	100x40	166	135x105	105x80	1000	456	11
TLPUSS100KUP3S/178	300x300x300	100x40	178	135x105	105x80	1000	456	11
TSLPUSS100KUP3S/185	300x300x300	100x40	185	135x105	105x80	1000	456	11
TLPUSS125KUP3/196	340x340x340	125x45	196	135x105	105x80	600	543	11
TLPUSS125KUP3S/210	340x340x340	125x45	210	135x105	105x80	600	543	11
TSLPUSS125KUP3SS/221	550x550x550	125x45	221	135x105	105x80	600	670	11
TLPUSS150KUP3/235	550x550x550	150x50	235	135x105	105x80	900	716	11
TLPUSS150KUP3S/230	550x550x550	150x50	230	135x105	105x80	900	716	11
TLPUSS150KUP3SS/245	550x550x550	150x50	245	135x105	105x80	900	716	11
TSLPUSS150KUPS/259	550x550x550	150x50	259	190x170	150x135	1500	716	15



T5LMPUS033KUP1/75*	∅ 195	33x27	75	105x85	80x60	450	240	9
T5LMPUS033KUP3/85*	∅ 195	33x27	85	135x105	105x80	500	240	11
TLPUSS100KUP3R/160	∅ 380	100x40	160	135x105	105x80	600	500	11

* with silver rim

Black turtles with double polyurethane castors



TLDMPUS033KUP1/76*	118x118x118	2x33x9	76	105x85	80x60	300	175	9
TLDMPUSS050KUP1/101	183x183x183	2x50x20	101	105x85	80x60	450	254	9
TLDMPUSS050KUP3/106	183x183x183	2x50x20	106	135x105	105x80	450	254	11
TLDMPUSS050KUP3/108	183x183x183	2x50x20	108	135x105	105x80	450	254	11
TLDMPUSS050KUP3S/115	183x183x183	2x50x20	115	135x105	105x80	450	254	11

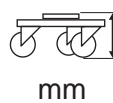
* with silver rim

Special sizes available on request !

Black turtles with double polyurethane castors

black turtles with double polyurethane wheels, 92° Shore A, aluminium solid core, ball bearing housing made of black sheet steel with double ball race at the fork head

Available in flat or convex



TLDPUS100KUP3L/160*	300x300x300	2x100x22	160	135x105	105x80	600	456	11
TLDPUS100KUP3/164*	300x300x300	2x100x22	164	135x105	105x80	600	456	11
TLDPUS100KUP3/166*	300x300x300	2x100x22	166	135x105	105x80	1000	456	11
TLDPUS100KUP3S/178*	300x300x300	2x100x22	178	135x105	105x80	1000	456	11
TLDPUS100KUP3SS/185*	300x300x300	2x100x22	185	135x105	105x80	1000	456	11

* with silver rim

Black ECONOMY polyurethane castors

**budget-
priced!**



black castors with black polyurethane, 92° Shore, on polyamide core, ball bearing, made of black sheet steel with double ball race at fork head

available with flat tread

LVPSS100KUP3	LVPSS100KUP3TF	BVPSS100KUP3	mm	mm	mm	mm	kg	mm	mm
LVPSS100KUP1	LVPSS100KUP1TF	BVPSS100KUP1	100x40	125	140x110	105x80	300	48	11
LVPSS100KUP1	LVPSS100KUP1TF	BVPSS100KUP1	100x40	128	105x80	80x60	300	40	9

LVPSS100KUP3-4Fach	BVPSS100KUP3TF	mm	mm	mm	mm	kg	mm	mm
LVPSS100KUP3-4Fach	BVPSS100KUP3TF	100x40	125	140x110	105x80	300	(48)	11
LVPSS100KUP3-8Fach		100x40	125	140x110	105x80	300	48	11

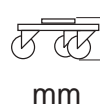
LVPSS100KUO	LVPSS100KUOTF	mm	mm	mm	kg	mm
LVPSS100KUO	LVPSS100KUOTF	100x40	125	13	300	50

Black ECONOMY polyurethane turtles



black turtles with black polyurethane wheel, 92° Shore, on polyamide core, ball bearing, made of black sheet steel with double ball race at fork head

available with flat tread

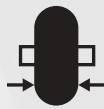


TLVPSS100KUP3L/160	300x300x300	100x40	160	135x105	105x80	600	456	11
TLVPSS100KUP3/164	300x300x300	100x40	164	135x105	105x80	600	456	11
TLVPSS100KUP3/166	300x300x300	100x40	166	135x105	105x80	900	456	11
TLVPSS100KUP3/178	300x300x300	100x40	178	135x105	105x80	900	456	11
TLVPSS100KUP3/185	300x300x300	100x40	185	135x105	105x80	900	456	11

Black ECONOMY polyurethane wheels



mm



mm



mm



kg



mm

GPS100/40/12BAL	100	40	40	350	12
GPS100/40/15BAL	100	40	40	350	15

Black ECONOMY polyurethane wheels

Wheel:

black wheels with polyurethane, 92° Shore,
on aluminium core, ball bearing

Characteristics:

- very high load capacity
- temperature resistant from -30°C to +80°C
- resistant to rubbing and extremely robust
- good shock absorbing characteristic
- tyre fits firm because the rim is cured on
- tear resistant
- resistant to oxygen, benzene, oil, ozone and many other chemicals

Black ECONOMY polyurethane castors



mm



mm



mm



mm



kg



mm



mm

LGPTS100KUP1	LGPTS100KUP1TF	BGPTS100KUP1	100x40	128	105x80	80x60	320	40	9
LGPTS100KUP3	LGPTS100KUP3TF	BGPTS100KUP3	100x40	125	140x110	105x80	350	48	11

Black ECONOMY polyurethane castors

black castors with black polyurethane, 92° Shore, on aluminium- or casting core, ball bearing, made of black sheet steel with double ball race at the fork head

available in flat and convex



LGPTS100KUP3-4Fach	BGPTS100KUP3TF	100x40	125	140x110	105x80	350	(48)	11
LGPTS100KUP3-8Fach		100x40	125	140x110	105x80	350	48	11
	SLGPTS100KUP3TFS	100x40	148	125x125	105x80	350	40	11

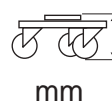


LGPTS100KUO	LGPTS100KUOTF	100x40	125	13	350	50
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possibilities for fixation

Black ECONOMY polyurethane turtles



TLGPTS100KUP3L/160	300x300x300	100x40	160	135x105	105x80	600	456	11
TLGPTS100KUP3/164	300x300x300	100x40	164	135x105	105x80	600	456	11
TLGPTS100KUP3/166	300x300x300	100x40	166	135x105	105x80	1000	456	11
TSLGPTS100KUP3S/178	300x300x300	100x40	178	135x105	105x80	1000	456	11
TSLGPTS100KUP3S/185	300x300x300	100x40	185	135x105	105x80	1000	456	11

Special sizes available on request !

Black ECONOMY polyurethane turtles

black turtles with black polyurethane, 92°
Shore, on cast aluminium core, ball bearing,
made of black sheet steel with double ball
race at the fork head

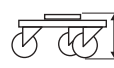
in flat or convex available



mm



mm



mm



mm



mm



kg



mm



mm

TLGPTS100KUP3R/160

Ø 380

100x40

160

135x105

105x80

600

500

11

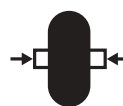
Black skater wheels



mm



mm



mm



kg



mm

GPK050/18/06SC	50	18	21	50	6
PK075/23/08 SC	75	23	23	80	8
PK100/23/08 SC	100	23	23	100	8
PK100/23/10 SC	100	23	23	100	10

Black skater wheels

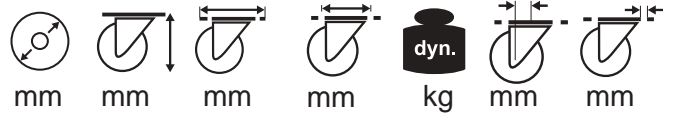
Wheel:

Black wheels with black polyurethane, 80° Shore A, on solid aluminium core, with ball bearing

Characteristics:

- very high load capacity
- temperature resistant from -30°C to +80°C
- resistant to rubbing and extremely robust
- good shock absorbing characteristic
- tyre fits firm because the rim is cured-on
- tear resistant
- resistant to oxygen, benzene, oil, ozone and many other chemicals

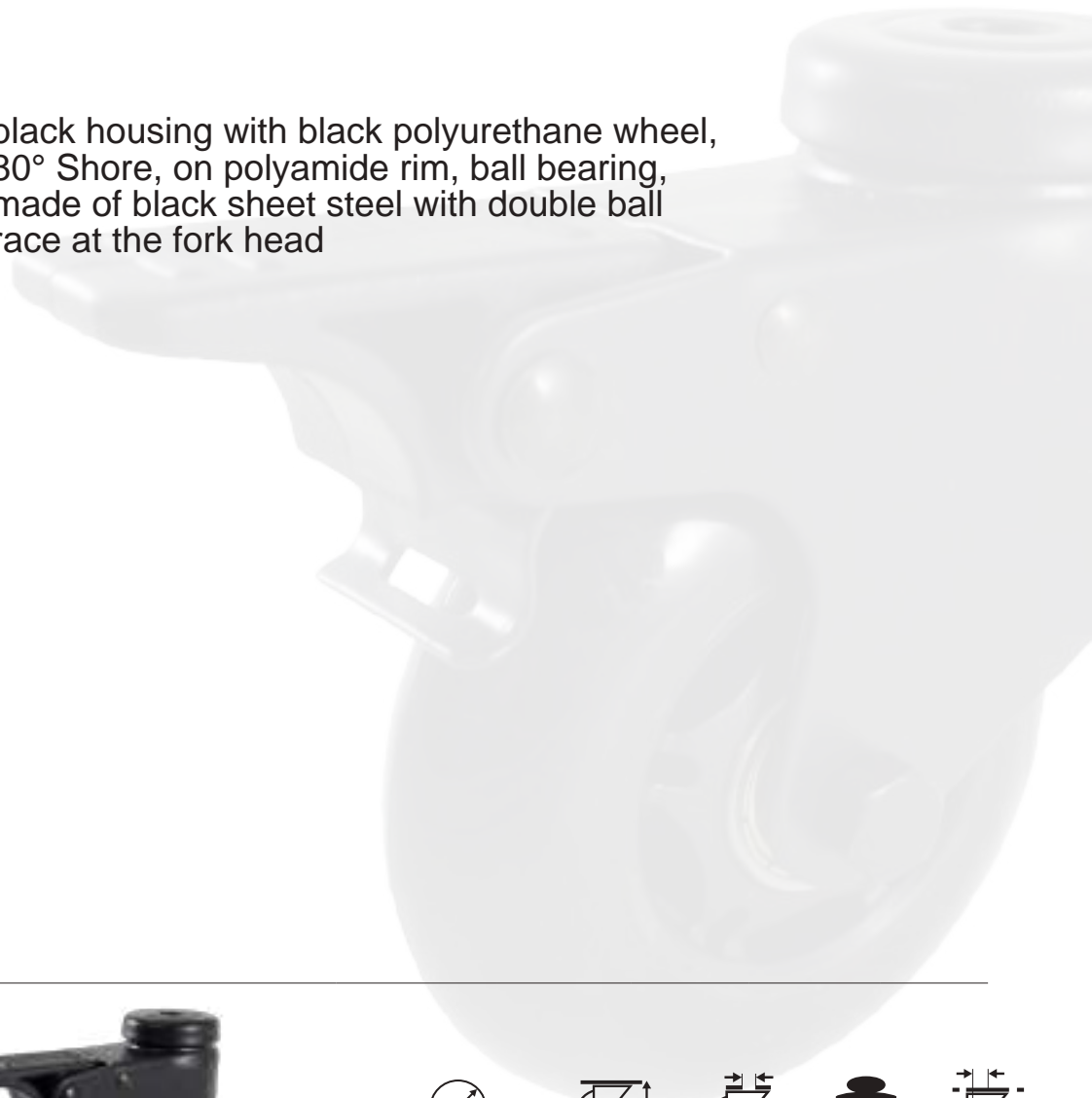
Black skater castors



LGPK050KUPL SC	LGPK050KUPLTF SC	BGPK050KUPL SC	50x23	71	60x60	38x38/46x46	40	25	6
LKP075KUPL SC	LKP075KUPLTF SC	BKP075KUPL SC	75x23	100	60x60	38x38/46x46	60	28	6

Black skater castors

black housing with black polyurethane wheel, 80° Shore, on polyamide rim, ball bearing, made of black sheet steel with double ball race at the fork head



mm



mm



mm



kg



mm

LGPK050KUO SC

LGPK050KUOTF SC

50x23

69

10

40

25

LKP075KUO SC

LKP075KUOTF SC

75x23

100

10

60

28



possibilities for fixation

Black double skater castors



mm



mm



mm



mm



kg



mm



mm

LDMGPK050KUPL SC	LDMGPK050KUPLTF SC	2x50x23	71	60x60	38x38 / 46x46	100	25	6
LDKP075KUPL SC	LDKP075KUPLTF SC	2x75x23	100	60x60	38x38 / 46x46	80	28	6
LDKP100KUP1 SC*	LDKP100KUP1TF SC	2x100x23	128	105x80	80x60	200	40	9
LDKP100KUP3 SC*	LDKP100KUP3TF SC	2x100x23	125	135x105	105x80	200	45	11

*also available as fixed castor

Black double skater castors

black housing with 2 black polyurethane wheels, 80° Shore, on polyamide rim, ball bearing, made of black sheet steel with double ball race at the fork head



mm



mm



mm



kg



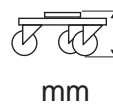
mm

LDMGPK050KUO SC	LDMGPK050KUOTF SC	2x50x23	69	10	100	25
LDKP075KUO SC	LDKP075KUOTF SC	2x75x23	100	10	80	28
LDKP100KUO SC	LDKP100KUOTF SC	2x100x23	125	12	200	36



possibilities for fixation

Black skater turtles



TLDMGPK050KUP1SC/97	183x183x183	2x50x23	97	105x85	80x60	240	246	9
TLDMGPK050KUP3SC/103	183x183x183	2x50x23	103	135x105	105x80	240	246	11
TLDKP075KUP1SC/125	250x250x250	2x75x23	125	105x85	80x60	240	381	9
TLDKP075KUP3SC/134	250x250x250	2x75x23	134	135x105	105x80	240	381	11
TLDKP100KUP1SC/156	300x300x300	2x100x23	156	105x85	80x60	450	456	9
TLDKP100KUP3SC/166	300x300x300	2x100x23	166	135x105	105x80	600	456	11

Special sizes available on request !

Black skater turtles

black turtles with black polyurethane wheel,
80° Shore, on polyamide rim, ball bearing,
made of black sheet steel with double ball
race at the fork head



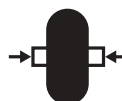
Black solid rubber wheels



mm



mm



mm



kg



mm

NGS080RO12	80	25	40	50	12
NGS100RO12	100	30	40	70	12
NGS100RO15	100	30	45	70	15
NGS125RO15	125	38	48	100	15
NGS140RO20	140	37	45	115	15
NGS160RO20	160	40	58	135	20
NGS180RO20	180	45	58	170	20
NGS200RO20	200	50	58	205	20
NGS200RO25	200	50	58	205	25
NGS225RO25	225	55	60	250	25
NGS250RO25	250	60	60	295	25
NGS400RO25	400	75	88	400	25

Black solid rubber wheels

Wheel:

black rubber wheel, 80°
Shore, on polyamide rim,
roller bearing

Characteristics:

- low resistance to rolling
- easy on floors
- Shore-hardness 80°
- temperature resistant from -40°C to +80°C
- well priced

Black solid rubber castors



mm



mm



mm



mm



kg



mm



mm

LNGS080ROP1	LNGS080ROP1TF	BNGS080ROP1	80x25	100	105x85	80x60	50	37	9
LNGS100ROP1	LNGS100ROP1TF	BNGS100ROP1	100x30	128	105x85	80x60	70	40	9
LNGS100ROP3	LNGS100ROP3TF	BNGS100ROP3	100x30	125	135x105	105x80	70	45	11
LNGS125ROP3	LNGS125ROP3TF	BNGS125ROP3	125x38	155	135x105	105x80	100	44	11
LNGS160ROP3	LNGS160ROP3TF	BNGS160ROP3	160x40	197	135x105	105x80	135	45	11
LNGS180ROP3	LNGS180ROP3TF	BNGS180ROP3	180x45	225	135x105	105x80	170	45	11
LNGS200ROP3	LNGS200ROP3TF	BNGS200ROP3	200x50	235	135x105	105x80	205	58	11
LNGS250ROP3	LNGS250ROP3TF	BNGS250ROP3	250x60	302	135x105	105x80	300	65	11

Black solid rubber castors

black housing with black rubber wheel, 80° Shore, on polyamide rim, roller bearing, made of black sheet steel with double ball race at the fork heads



	SLNGS080ROP3TFS		80x40	125	125x125	105x80	70	48	11
LNGS100ROP3-4Fach		BNGS100ROP3TF	100x40	125	140x110	105x80	70	(48)	11
LNGS100ROP3-8Fach			100x40	125	140x110	105x80	70	48	11
	SLNGS100ROP3TFS		100x40	148	125x125	105x80	70	47	11
LNGS125ROP3-4Fach		BNGS125ROP3TF	125x45	155	140x110	105x80	100	(47)	11



LNGS080ROO	LNGS080ROOTF	80x25	100	12	50	37
LNGS100ROO	LNGS100ROOTF	100x30	125	12	70	37
LNGS125ROO	LNGS125ROOTF	125x38	150	12	100	42
LNGS160ROO	LNGS160ROOTF	160x40	194	16	135	55
LNGS180ROO	LNGS180ROOTF	180x45	222	16	170	55
LNGS200ROO	LNGS200ROOTF	200x50	232	16	205	55



possibilities for fixation

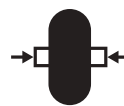
Black rubber wheels



mm



mm



mm



kg



mm

KU050/20/06 SC	50	20	22	40	6
KU075/25/06 SC	75	25	28	60	6

Black rubber wheels

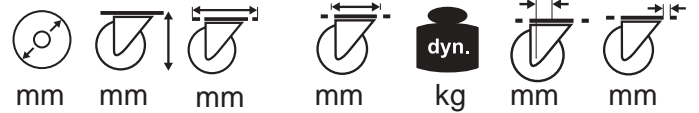
Wheel:

rubber wheel, 80° Shore,
on polyamide rim, ball
bearing

Characteristics:

- ground protective tyre
- quiet running
- low-priced

Black rubber castors



LKS050KUPL SC	LKS050KUPLTF SC	BKS050KUPL SC	50x20	73	60x60	38x38/47x47	40	25	6
LKS075KUPL SC	LKS075KUPLTF SC	BKS075KUPL SC	75x25	100	60x60	38x38/47x47	60	33	6

Black rubber castors

black housing with black rubber wheel, 80° Shore, on polyamide rim, ball bearing, made of black sheet steel with double ball race at the fork head



mm



mm



mm



dyn.

kg



mm

LKS050KUO SC

LKS050KUOTF SC

50x20

71

10

40

25

LKS075KUO SC

LKS075KUOTF SC

75x23

100

10

60

33



possibilities for fixation

Black rubber double castors



mm



mm



mm



mm



kg



mm



mm

LMKD050KUPL SC	LMKD050KUPLTF SC	BKD050KUPL SC	2x50x20	73	60x60	38X38/47X47	40	30	6
LKD075KUPL SC	LKD075KUPLTF SC		2x75x25	100	60x60	38X38/47X47	80	25	6

Black rubber double castors

black housing with 2 black rubber wheels, 80° Shore, on polyamide rim, ball bearing, made of black sheet steel with double ball race at the fork head



mm



mm



mm



dyn.

kg



mm

LMKD050KUO SC	LMKD050KUOTF SC	2x50x20	72	12	40	30
LKD075KUO SC	LKD075KUOTF SC	2x75x25	100	10	80	26



possibilities for fixation

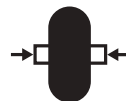
Black elastic rubber wheels



mm



mm



mm



kg



mm

roller bearing					
AGT080RO12 SC	80	35	40	100	12
ball bearing					
AGT100KU12 SC	100	36	40	180	12
AGT100KU15 SC	100	36	40	180	15
AGT100KU20 SC	100	36	40	180	20
AGT125KU15 SC	125	36	48	250	15
AGT160KU20 SC	160	50	58	300	20
AGT160KU25 SC	160	50	58	300	25
AGT200KU20 SC	200	50	58	400	20
AGT200KU25 SC	200	50	58	400	25
AGT200KU30 SC	200	50	58	400	30
AGT250KU25 SC	250	50	60	400	25

Black elastic rubber wheels

Wheel:

rubber wheel, 70° Shore,
on polyamide rim, ball
bearing or roller bearing

available in flat

Characteristics:

- tyre fits firm because the rim is cured-on
- high rolling comfort
- extremely robust
- good shock absorbing characteristic
- temperature resistant from -20°C to +80°C



Black elastic rubber castors



mm



mm



mm



mm



kg



mm





mm



LAGTS080ROP1	LAGTS080ROP1TF	BAGTS080ROP1	80x35	100	105x80	80x60	120	40	9
LAGTS100KUP1	LAGTS100KUP1TF	BAGTS100KUP1	100x36	125	105x80	80x60	150	40	9
LAGTS100KUP3	LAGTS100KUP3TF	BAGTS100KUP3	100x36	125	140x110	105x80	150	48	10
LAGTS125KUP1	LAGTS125KUP1TF	BAGTS125KUP1	125x36	155	105x80	80x60	200	40	9
LAGTS125KUP3	LAGTS125KUP3TF	BAGTS125KUP3	125x36	155	140x110	105x80	250	47	13
LAGTS125KUP3A	LAGTS125KUP3TFA	BAGTS125KUP3A	125x36	166	140x110	105x80	250	45	13
LAGTS160KUP3	LAGTS160KUP3TF	BAGTS160KUP3	160x50	195	140x110	105x80	300	60	11

Black elastic rubber castors

black housing with black elastic rubber wheel, 70° Shore, on polyamide rim, ball bearing or roller bearing, made of black sheet steel with double ball race at the fork head

	mm	mm	mm	mm	kg	mm	mm
LAGTS080ROP1-4Fach	80x35	103	105x80	80x60	120	40	9
SLAGTS080ROP3TFS	80x35	125	125x125	105x80	120	48	11
LAGTS100KUP3-4Fach	100x36	125	140x110	105x80	150	48	11
LAGTS100KUP3-8Fach	100x36	125	140x110	105x80	150	48	11
SLAGTS100KUP3TFS	100x36	148	125x125	105x80	150	47	11
LAGTS125KUP3-4Fach	125x36	155	140x110	105x80	250	47	11
LAGTS160KUP3-4Fach	160x50	195	140x110	105x80	300	60	11

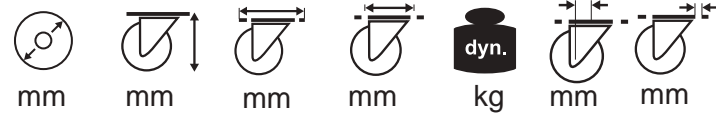



	mm	mm	mm	kg	mm	
LAGTS080ROO	LAGTS080ROOTF	80x35	106	12	120	37
LAGTS100KUO	LAGTS100KUOTF	100x36	126	12	120	37
LAGTS125KUO	LAGTS125KUOTF	125x36	150	12	170	42
LAGTS160KUO	LAGTS160KUOTF	160x50	194	16	300	55



possibilities for fixation

Black heavy duty elastic rubber castors



with small plate									
SLAGTS080ROP1	SLAGTS080ROP1TF	SBAGTS080ROP1	80x35	120	105x85	80x60	100	40	9
SLAGTS100KUP1	SLAGTS100KUP1TF	SBAGTS100KUP1	100x36	128	105x80	80x60	180	40	9

with large plate									
SLAGTS100KUP3		SBAGTS100KUP3	100x36	148	135x110	105x80	180	40	11
SLAGTS125KUP3	SLAGTS125KUP3TF	SBAGTS125KUP3	125x36	178	135x110	105x80	250	50	11
SLAGTS160KUP3	SLAGTS160KUP3TF	SBAGTS160KUP3	160x50	215	135x110	105x80	300	53	11
SLAGTS180KUP3	SLAGTS180KUP3TF	SBAGTS180KUP3	180x50	235	135x110	105x80	350	53	11
SLAGTS200KUP3	SLAGTS200KUP3TF	SBAGTS200KUP3	200x50	245	135x110	105x80	400	55	11
SLAGTS250KUP3	SLAGTS250KUP3TF	SBAGTS250KUP3	250x50	298	135x110	105x80	550	74	11

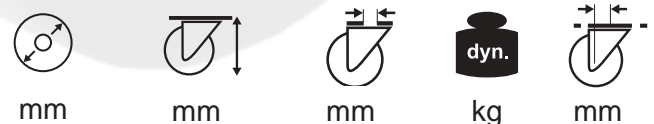
Black heavy duty elastic rubber castors

black housing with black elastic rubber wheel, 70° Shore, on polyamide rim, ball bearing, made of black sheet steel with double ball race at the fork head



	SLAGTS080KUP3TFS	80x35	125	125x125	105x80	150	48	11
SLAGTS100KUP3 + 2 RF		100x36	148	135x110	105x80	180	40	11
	SLAGTS100KUP3TFS	100x36	148	125x125	105x80	180	47	11
SLAGTS125KUP3 + 2 RF	SLAGTS125KUP3TFS*	125x36	178	135x110	105x80	250	50	11
SLAGTS160KUP3 + 2 RF	SLAGTS160KUP3TFS	160x50	215	135x110	105x80	300	53	11
SLAGTS180KUP3 + 2 RF	SLAGTS180KUP3TFS	180x50	235	135x110	105x80	350	53	11
SLAGTS200KUP3 + 2 RF	SLAGTS200KUP3TFS	200x50	245	135x110	105x80	400	55	11

*also available with overall height 185 mm on demand



SLAGTS080ROZ22R	SLAGTS080ROZ22RTF	80x35	114	22x50	100	36
SLAGTS100KUZ22R	SLAGTS100KUZ22RTF	100x36	131	22x50	180	36
SLAGTS125KUZ22R	SLAGTS125KUZ22RTF	125x36	161	22x50	250	45
SLAGTS180KUZ25R	SLAGTS180KUZ25RTF	180x50	234	25x65	350	57
SLAGTS200KUZ25R	SLAGTS200KUZ25RTF	200x50	244	25x65	400	57

Black welded heavy duty elastic rubber castors


with small plate

GLAGTS080KUP1	GLAGTS080KUP1TF	GBAGTS080KUP1	80x35	132,5	100x85	80x60	100	30	9
GLAGTS100KUP1	GLAGTS100KUP1TF	GBAGTS100KUP1	100x36	150	100x85	80x60	180	30	9
GLAGTS125KUP1	GLAGTS125KUP1TF	GBAGTS125KUP1	125x36	160	105x80	80x60	250	32	9

with large plate

GLAGTS100KUP3		GBAGTS100KUP3	100x36	163	135x110	105x80	180	45	13
GLAGTS125KUP3	GLAGTS125KUP3TF	GBAGTS125KUP3	125x36	175	135x110	105x80	250	45	13
GLAGTS160KUP3	GLAGTS160KUP3TF	GBAGTS160KUP3	160x50	240	135x110	105x80	300	50	13
GLAGTS180KUP3	GLAGTS180KUP3TF	GBAGTS180KUP3	180x50	250	135x110	105x80	350	50	13
GLAGTS200KUP3	GLAGTS200KUP3TF	GBAGTS200KUP3	200x50	260	135x110	105x80	400	57	13
GLAGTS250KUP4	GLAGTS250KUP4FR	GBAGTS250KUP4	250x60	305	175x140	140x105	400	80	15

Black welded heavy duty elastic rubber castors

black housing with black elastic rubber wheel, 70° Shore, on polyamide rim, ball bearing, made of black sheet steel with double ball race at the fork head



mm



mm



mm



dyn.

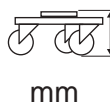
kg



mm

GLAGTS100KUZ22R	GLAGTS100KUZ22RTF	100x36	150	22x50	180	36
GLAGTS125KUZ22R	GLAGTS125KUZ22RTF	125x36	175	22x50	250	45
GLAGTS180KUZ25R	GLAGTS180KUZ25RTF	180x50	250	25x65	350	57
GLAGTS200KUZ25R	GLAGTS200KUZ25RTF	200x50	260	25x65	400	57

Black elastic rubber turtles

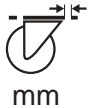
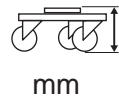


TLAGTS080ROP1/124	250x250x250	80x35	124	105x85	80x60	300	387	9
TLAGTS080ROP3/133	250x250x250	80x35	133	135x105	105x80	300	387	11
TLAGTS080ROP3/148	250x250x250	80x35	148	135x105	105x80	300	387	11
TLAGTS080ROP1S/155	300x300x300	80x35	155	105x85	80x60	300	428	9
TLAGTS080ROP3S/155	300x300x300	80x35	155	135x105	105x80	300	428	11
TLAGTS100KUP3L/160	300x300x300	100x36	160	135x105	105x80	450	456	11
TLAGTS100KUP3/164	300x300x300	100x36	164	135x105	105x80	450	456	11
TLAGTS100KUP3/166	300x300x300	100x36	166	135x105	105x80	450	456	11
TLAGTS100KUP3S/178	300x300x300	100x36	178	135x105	105x80	450	456	11
TSLAGTS100KUP3S/185	300x300x300	100x36	185	135x105	105x80	450	456	11

Special sizes available on request !

Black elastic rubber turtles

black turtles with black elastic rubber wheel,
70° Shore, on polyamide rim, ball bearing,
made of black sheet steel with double ball race
at the fork head



TLAGTS125KUP3/196	340x340x340	125x36	196	135x105	105x80	600	543	11
TLAGTS125KUP3S/210	340x340x340	125x36	210	135x105	105x80	600	543	11
TSLAGTS125KUP3SS/221	550x550x550	125x36	221	135x105	105x80	750	670	11
TLAGTS160KUP3/240	550x550x550	160x50	240	135x105	105x80	900	716	11
TLAGTS160KUP3S/235	550x550x550	160x50	235	135x105	105x80	900	716	11
TLAGTS160KUP3SS/250	550x550x550	160x50	250	135x105	105x80	900	716	11
TSLAGTS160KUPS/259	550x550x550	160x50	259	190x170	150x135	900	716	11
TSLAGTS180KUPS/298	550x550x550	180x50	298	190x170	150x135	1000	751	11
TSLAGTS180KUPSS/298	550x550x550	180x50	298	190x170	150x135	1000	751	15
TSLAGTS200KUPS/305	550x550x550	200x50	305	190x170	150x135	1000	785	15



TLAGTS100KUP3R/160	Ø 380	100x36	160	135x105	105x80	450	500	9
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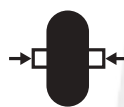
Black unbreakable pneumatic wheels



mm



mm



mm



kg



mm

LPNS180R20RN60*	180	50	60	70	20
LPNS200R20RN60*	200	50	60	75	20
LPNS220R20RN75*	220	65	75	100	20
LPNS220R20SN75**	220	65	75	100	20
LPNS220R25RN75*	220	65	75	100	25
LPNS220R25SN75**	220	65	75	100	25
LPNS260R20RN75*	260	85	75	200	20
LPNS260R20SN75**	260	85	75	200	20
LPNS260R25RN75*	260	85	75	200	25
LPNS260R25SN75**	260	85	75	200	25

* grooved profile

** block profile

Black unbreakable pneumatic wheels

Wheel:

black elastic PU foam wheel, 70° Shore,
on polyamide rim, roller bearing

Characteristics:

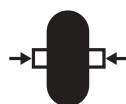
- medium load capacity
- good shock absorbing characteristic
- low resistance to rolling when used on difficult ground
- easy on floors, high running comfort
- temperature resistant from -10°C to +80°C



mm



mm



mm



kg



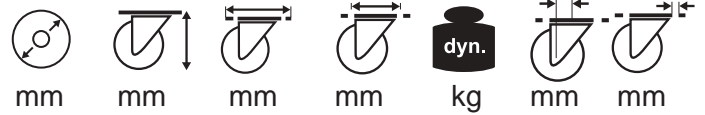
mm

LPNS400R20RN75*	400	100	75	250	20
LPNS400R20RN88*	400	100	88	250	20
LPNS400R25RN75*	400	100	75	250	25
LPNS400R25RN88*	400	100	88	250	25
LPNS400R20SN75**	400	100	75	250	20
LPNS400R20SN88**	400	100	88	250	20
LPNS400R25SN75**	400	100	75	250	25
LPNS400R25SN88**	400	100	88	250	25

* grooved profile

** block profile

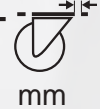
Black unbreakable pneumatic castors



roller bearing									
LLPNS180ROP3	LLPNS180ROP3TF	BLPNS180ROP3	180x45	210	135x105	105x80	70	45	11
LLPNS200ROP3	LLPNS200ROP3TF	BLPNS200ROP3	200x50	236	135x105	105x80	75	58	11
LLPNS220ROP3	LLPNS220ROP3TF	BLPNS220ROP3	220x65	255	135x105	105x80	100	63	11
LLPNS260ROP4	LLPNS260ROP4TF	BLPNS260ROP4	260x85	295	175x175	140x140	200	70	14,5
LLPNS400ROP4	LLPNS400ROP4TF	BLPNS400ROP4	400x100	458	150x150	125x125	250	82	11

Black unbreakable pneumatic castors

black housing with black elastic PU foam wheel, 70° Shore, on polyamide rim, made of black sheet steel with double ball race at the fork head



roller bearing

LLPNS180ROP3 2RF	180x45	215	135x105	105x80	70	45	11
LLPNS200ROP3 2RF	200x50	236	135x105	105x80	75	58	11



roller bearing

LLPNS180ROO	LLPNS180ROOTF	180x45	220	16	100	60
LLPNS200ROO	LLPNS200ROOTF	200x50	230	16	200	60
LLPNS260ROZ	LLPNS260ROZTF	260x85	298	25x55	150	85



possibilities for fixation

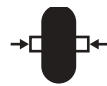
Black pneumatic wheels



mm



mm



mm



kg



mm

plain bearing

roller bearing

LNS180G20RN60*	LNS180R20RN60*	180	50	60	70	20
LNS200G20RN60*	LNS200R20RN60*	200	50	60	75	20
LNS220G20RN75***	LNS220R20RN75***	220	65	75	100	20
LNS220G20SN75***	LNS220R20SN75***	220	65	75	100	20
LNS220G25RN75***	LNS220R25RN75***	220	65	75	100	25
LNS220G25SN75***	LNS220R25SN75***	220	65	75	100	25
LNS260G20RN75*	LNS260R20RN75*	260	85	75	200	20
LNS260G20SN75**	LNS260R20SN75**	260	85	75	200	20
LNS260G25RN75*	LNS260R25RN75*	260	85	75	200	25
LNS260G25SN75**	LNS260R25SN75**	260	85	75	200	25

* grooved profile

** block profile



Black pneumatic wheels

Wheel:

black pneumatic wheels,
polyamide core, roller bearing

Characteristics:

- medium load capacity
- good shock absorbing characteristic
- low resistance to rolling when used on difficult ground
- easy on floors, high running comfort
- temperature resistant from -10°C to +80°C
- Shore-hardness: variable according to tyre pressure

								
		mm	mm	mm	mm	kg	mm	
plain bearing	roller bearing							
LNS400G20RN75*	LNS400R20RN75*	400	100	75	250	20		
LNS400G20RN88*	LNS400R20RN88*	400	100	88	250	20		
LNS400G25RN75*	LNS400R25RN75*	400	100	75	250	25		
LNS400G25RN88*	LNS400R25RN88*	400	100	88	250	25		
LNS400G20SN75**	LNS400R20SN75**	400	100	75	250	20		
LNS400G20SN88**	LNS400R20SN88**	400	100	88	250	20		
LNS400G25SN75**	LNS400R25SN75**	400	100	75	250	25		
LNS400G25SN88**	LNS400R25SN88**	400	100	88	250	25		

* grooved profile

** block profile

Black pneumatic castors



mm



mm



mm



mm



kg



mm



mm

roller bearing

LLNS180ROP3	LLNS180ROP3TF	BLNS180ROP3	180x45	215	135x105	105x80	70	45	11
LLNS200ROP3	LLNS200ROP3TF	BLNS200ROP3	200x50	236	135x105	105x80	75	58	11
LLNS220ROP3	LLNS220ROP3TF	BLNS220ROP3	220x65	280	135x105	105x80	100	63	11
LLNS260ROP4	LLNS260ROP4TF	BLNS260ROP4	260x85	295	175x175	140x140	150	70	15

Black pneumatic castors

black housing with black air tyre wheel on polyamide rim, roller bearing made of black sheet steel with double ball race at the fork head



roller bearing

LLNS180ROP3 2RF	180x45	215	135x105	105x80	70	45	11
LLNS200ROP3 2RF	200x50	236	135x105	105x80	75	58	11



roller bearing

LLNS180ROO	LLNS180ROOTF	180x45	220	16	100	60
LLNS200ROO	LLNS200ROOTF	200x50	230	16	200	60
LLNS260ROZ	LLNS260ROZTF	260x85	298	25x55	150	85

ball bearing

LPGS180KUO	LPGS180KUOTF	180x45	220	16	100	60
LPGS200KUO	LPGS200KUOTF	200x50	230	16	200	60
LPGS260KUZ	LPGS260KUZTF	260x85	298	25x55	150	85



possibilities for fixation

Black polyamide wheels



mm



mm



mm



kg



mm

plain bearing	roller bearing	mm	mm	mm	kg	mm
NY025/14/05		25	14	14,5	10	5
NY030/14/05		30	14	15	15	5
NY036/10/08		36	10	11	25	8
NY038/10/05		38	10	11	25	5
NY038/18/06		38	18	19	25	6
NY040/18/06		40	18	21,5	30	6
NY045/18/06		45	18	21,5	35	6
NY050/10/05		50	10	14	35	5
NY050/19/06		50	19	21	50	6
NY050/18/08		50	18	21,5	50	8
NY050/20/08		50	20	23	75	8
NY050/40/10		50	40	40	150	10
NY058S29GL10	NY058S25RO10	58	29	31	75	10
NY065/30/GL12		65	30	34,5	120	12
NY075/23/08		75	23,5	27,5	50	8
NY080/34/12		80	34	44,5	125	12
NY080S34GL12	NY080S34RO12	80	34	44	125	12
NY100S36GL12	NY100S36RO12	100	36	44	160	12
NY125S40GL12	NY125S40RO12	125	40	48	200	12

Black polyamide wheels

Wheel:

black polyamide wheels
plain or roller or ball bearing

available in flat or convex

Characteristics:

- very high load capacity
- temperature resistant from -30°C to +80°C
- resistant to rubbing and extremely robust
- resistant to oxygen, benzene, oil, ozone and many other chemicals



mm



mm



mm



dyn.



mm

plain bearing

roller bearing

ball bearing

SNY035GL08		SNY035KU08	35	27	27	100	8
SNY080GL12	SNY080RO12	SNY080KU12	80	30	30	250	12
SNY100GL20	SNY100RO20	SNY100KU12	100	40	40	500	20
SNY125GL20	SNY125RO20	SNY125KU15	125	45	45	600	20
SNY150GL20	SNY150RO20	SNY150KU20	150	50	50	700	20
SNY175GL20	SNY175RO20	SNY175KU20	175	50	50	800	20
SNY200GL20	SNY200RO20	SNY200KU20	200	50	50	1000	20
SNY250GL25	SNY250RO25	SNY250KU25	250	50	50	1000	25

Black polyamide castors



LMNYS033KUPL	LMNYS033KUPLTF	BNYS033KUPL	33x27	51	60X60	38X38/47X47	100	15	6
LNYS050GLPL	LNYS050GLPLTF	BNYS050GLPL	50x18	73	60X60	38X38/47X47	50	25	6
LMNYS050KUPL	LMNYS050KUPLTF	BMNYS050KUPL	50x40	72	60X60	38X38/47X47	150	28	6
LMNYS050KUPLS	LMNYS050KUPLSTF	BNYS050KUPLS	50x40	82	80x80	60x60	150	28	9
LNYS065KUP1	LNYS065KUP1TF	BNYS065KUP1	65x30	93	105x80	80x60	200	40	9
LNYS080ROP1	LNYS080ROP1TF	BNYS080ROP1	80x34	100	105x80	80x60	125	40	9
LNYS080ROP3	LNYS080ROP3TF	BNYS080ROP3	80x34	115	140x110	105x80	125	48	11
LNYS080KUP1	LNYS080KUP1TF	BNYS080KUP1	80x36	100	105x80	80x60	200	40	9
LNYS080KUP3	LNYS080KUP3TF	BNYS080KUP3	80x36	115	140x110	105x80	250	48	11
LNYS100ROP1	LNYS100ROP1TF	BNYS100ROP1	100x36	128	105x80	80x60	160	40	9
LNYS100ROP3	LNYS100ROP3TF	BNYS100ROP3	100x36	125	140x110	105x80	160	48	11
LNYS100KUP1	LNYS100KUP1TF	BNYS100KUP1	100x40	128	105x80	80x60	320	40	9
LNYS100KUP3	LNYS100KUP3TF	BNYS100KUP3	100x40	125	140x110	105x80	400	48	11
LNYS125ROP3	LNYS125ROP3TF	BNYS125ROP3	125x40	155	140x110	105x80	200	47	11
LNYS125ROP3A	LNYS125ROP3TFA	BNYS125ROP3A	125x40	165	140x110	105x80	200	45	11
LNYS125KUP3	LNYS125KUP3TF	BNYS125KUP3	125x45	155	140x110	105x80	500	47	11
LNYS125KUP3A	LNYS125KUP3TFA	BNYS125KUP3A	125x45	165	140x110	105x80	500	45	11
LNYS150KUP3	LNYS150KUP3TF	BNYS150KUP3	150x45	185	140x110	105x80	500	60	11
LNYS200KUP3	LNYS200KUP3TF	BNYS200KUP3	200x50	260	140x110	105x80	500	60	11

Black polyamide castors

black castors with black polyamide wheel, with plain, roller or ball bearing, made of black sheet steel with double ball race at the fork head



LNYS050KUPL-4Fach		50x40	82	80x80	60x60	150	37	9
LNYS065KUP1-4Fach		65x30	96	105x80	80x60	200	40	9
LNYS080KUP1-4Fach		80x36	106	105x80	80x60	200	40	9
LNYS080KUP3-4Fach		80x36	115	140x110	105x80	250	48	9
LNYS080KUP3-8Fach		80x36	115	140x110	105x80	250	48	9
	SLNYS080KUP3TFS	80x36	125	125x125	105x80	350	48	11
LNYS100KUP3-4Fach		100x40	125	140x110	105x80	350	48	11
LNYS100KUP3-8Fach		100x40	125	140x110	105x80	350	48	11
	SLNYS100KUP3TFS	125x45	148	125x125	105x80	500	47	11
LNYS125KUP3-4Fach		125x45	155	140x110	105x80	500	47	11
LNYS150KUP3-4Fach	SLNYS125KUP3TFS	150x45	185	140x110	105x80	500	60	11
LNYS200KUP3-4Fach	SLNYS180KUP3TFS	200x50	260	140x110	105x80	500	60	11



LMNYS033KUO	LMNYS033KUOTF	33x27	51	10	100	15
LMNYS050KUO	LMNYS050KUOTF	50x40	72	12	150	28
LNYS065KUO		65x30	92	13	180	40
LNYS075KUO		75x30	97	13	180	40
LNYS080KUO	LNYS080KUOTF	80x30	106	12	120	37
LNYS080/40KUO		80x40	115	13	250	48
LNYS100KUOA	LNYS100KUOTFA	100x40	126	12	120	37
LNYS100KUO	LNYS100KUOTF	100x40	125	13	350	48
LNYS125KUOA	LNYS125KUOTFA	125x45	150	12	170	42
LNYS150KUOA	LNYS150KUOTFA	150x50	179	12	200	45



possibilities for fixation

Black heavy duty polyamide castors



mm



mm



mm



mm



kg



mm



mm

with small plate

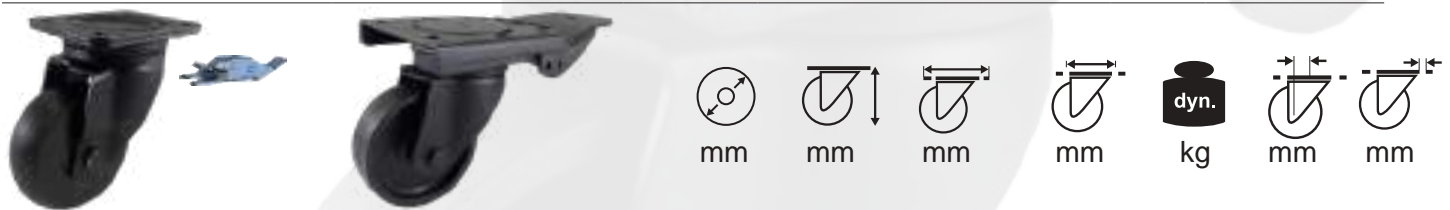
SLNYS080KUP1	SLNYS080KUP1TF	SBNYS080KUP1	80x36	120	105x85	80x60	250	40	9
SLNYS100KUP1	SLNYS100KUP1TF	SBNYS100KUP1	100x40	128	105x80	80x60	350	40	9

with large plate

SLNYS100KUP3		SBNYS100KUP3	100x40	148	135x110	105x80	350	40	11
SLNYS125KUP3	SLNYS125KUP3TF	SBNYS125KUP3	125x45	178	135x110	105x80	500	50	11
SLNYS150KUP3	SLNYS150KUP3TF	SBNYS150KUP3	150x45	210	135x110	105x80	660	53	11
SLNYS200KUP3	SLNYS200KUP3TF	SBNYS200KUP3	200x50	245	135x110	105x80	1000	55	11
SLNYS250KUP3	SLNYS250KUP3TF	SBNYS250KUP3	250x50	298	135x110	105x80	800	74	11

Black heavy duty polyamide castors

black castors with black polyamide wheel, roller or ball bearing, made of black sheet steel with double ball race at the fork head



SLNYS100KUP3 + 2 RF		100x40	148	135x105	105x80	350	40	11
	SLNYS100KUP3TFS	100x40	148	125x125	105x80	350	47	11
SLNYS125KUP3 + 2 RF	SLNYS125KUP3TFS*	125x45	178	135x110	105x80	500	50	11
SLNYS150KUP3 + 2 RF	SLNYS150KUP3TFS	150x45	210	135x110	105x80	660	53	11
SLNYS200KUP3 + 2 RF	SLNYS200KUP3TFS	200x50	245	135x110	105x80	1000	55	11

*also available with overall height 185 mm on demand



SLNYS080KUZ22R	SLNYS080KUZ22RTF	80x36	114	22x50	150	36
SLNYS100KUZ22R	SLNYS100KUZ22RTF	100x40	131	22x50	175	36
SLNYS125KUZ22R	SLNYS125KUZ22RTF	125x45	161	22x50	300	45
SLNYS150KUZ22R	SLNYS150KUZ22RTF	150x45	184	22x50	400	50
SLNYS200KUZ25R	SLNYS200KUZ25RTF	200x50	244	25x65	550	57

Black welded heavy duty polyamide castors



mm



mm



mm



mm



kg



mm



mm

mit kleiner Platte

GLNYS065KUP1		GBNYS065KUP1	65x30	132,5	105x85	80x60	200	30	9
GLNYS080KUP1		GBNYS080KUP1	80x36	140	100x80	80x60	300	30	9
GLNYS100KUP1	GLNYS100KUP1TF	GBNYS100KUP1	100x40	150	100x80	80x60	350	30	9
GLNYS125KUP1	GLNYS125KUP1TF	GBNYS125KUP1	125x40	160	105x80	80x60	400	32	9

mit großer Platte

GLNYS080KUP3		GBNYS080KUP3	80x80	130	135x110	105x80	600	68	11
GLNYS082KUP3		GBNYS082KUP3	82x80	133	135x110	105x80	600	68	11
GLNYS085KUP3		GBNYS085KUP3	85x80	135	135x110	105x80	600	68	11
GLNYS100KUP3		GBNYS100KUP3	100x40	163	135x110	105x80	300	45	13
GLNYS125KUP3	GLNYS125KUP3TF	GBNYS125KUP3	125x45	175	135x110	105x80	400	45	13
GLNYS150KUP3	GLNYS150KUP3TF	GBNYS150KUP3	150x50	205	135x110	105x80	650	50	13
GLNYS200KUP3	GLNYS200KUP3TF	GBNYS200KUP3	200x50	260	135x110	105x80	1100	57	13
GLNYS250KUP4	GLNYS250KUP4FR	GBNYS250KUP4	250x60	305	175x140	140x105	1400	80	15

Black welded heavy duty polyamide castors

black castors with black polyamide, ball bearing, made of black sheet steel with double ball race at the fork head



mm



mm



mm



kg



mm

GLNYS100KUZ22R	GLNYS100KUZ22RTF	100x40	150	22x50	350	36
GLNYS125KUZ22R	GLNYS125KUZ22RTF	125x45	175	22x50	500	45
GLNYS150KUZ22R	GLNYS150KUZ22RTF	150x45	205	22x50	750	50
GLNYS200KUZ25R	GLNYS200KUZ25RTF	200x50	260	25x65	1000	57

Black double polyamide castors



mm



mm



mm



mm



kg



mm



mm

LDMNYS033GLPL	LDMNYS033GLPLTF	BDNYS033GLPL	2x33x9	51	60X60	38X38/46X46	100	15	6
LDMNYS050KUPL	LDMNYS050KUPLTF	BDMNYS050KUPL	2x50x20	72	60x60	38X38/46X46	150	28	6
LDMNYS050KUPLS	LDMNYS050KUPLSTF	BDNYS050KUPLS	2x50x20	82	80x80	60x60	150	28	9
LDNYS080GLP3		BDNYS080GLP3	2x80x25	115	135x105	105x80	250	45	11
LDNYS075GLP3S		BDNYS075GLP3S	2x75x20	125	140x110	105x80	500	48	9
LDNYS100KUP3	LDNYS100KUP3TF	BDNYS100KUP3	2x100x20	125	135x105	105x80	400	48	11
LDNYS100KUP1	LDNYS100KUP1TF	BDNYS100KUP1	2x100x20	128	105x80	80x60	320	40	9
SLDNYS100KUP3		SBDNYS100KUP3	2x100x20	148	135x105	105x80	500	48	11
LDNYS100KUP4A		BDNYS100KUP4A	2x100x30	184	170x170	130x130	600	60	13
LDNYS125KUP4A	LDNYS125KUP4TFA	BDNYS125KUP4A	2x125x45	197	170x170	130x130	750	60	13
LDNYS180KUP4A	LDNYS180KUP4TFA	BDNYS180KUP4A	2x180x50	260	200x200	160x160	1800	72	17
LDNYS200KUP3A	LDNYS200KUP3TFA	BDNYS200KUP3A	2x200x50	270	200x200	160x160	2000	72	17

Black double polyamide castors

black castors with black polyamide wheel, plain or ball bearing, made of black sheet steel with double ball race at the fork head



mm



mm



mm



mm



kg



mm



mm

LDNYS050KUPL-4Fach	2x50x20	82	80x80	60x60	150	37	9
LDNYS080KUP3-4Fach	2x80x25	115	140x110	105x80	300	48	11
LDNYS080KUP3-8Fach	2x80x25	115	140x110	105x80	300	48	11
LDNYS100KUP3-4Fach	2x100x25	125	140x110	105x80	350	48	11
LDNYS100KUP3-8Fach	2x100x25	125	140x110	105x80	350	48	11
LDNYS125KUP3-4Fach	2x125x25	155	140x110	105x80	500	47	11



mm



mm



mm



kg



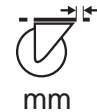
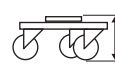
mm

LDMNYS033GLO	LDMNYS033GLOTF	2x33x9	51	10	100	15
LDMNYS050GLO	LDMNYS050GLOTF	2x50x20	72	12	150	28
LDNYS050GLOS	LDNYS050KUOTFS	2x50x20	80	12	150	37
LDNYS080KUO		2x80x25	115	13	300	60
LDNYS100KUO	LDNYS100KUOTF	2x100x25	125	13	350	60
LDNYS125KUO	LDNYS125KUOTF	2x125x25	155	13	350	60



possibilities for fixation

Black polyamide turtles

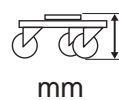


TLMNYS033GLP1/76	118x118x118	33x27	76	105x85	80x60	300	175	9
TLMNYS033GLP3/85	118x118x118	33x27	85	135x105	105x80	300	175	11
TLMNYS033GLP3S/95	118x118x118	33x27	95	135x105	105x80	300	175	11
TLMNYS050KUP1/101	183x183x183	50x40	101	105x85	80x60	450	246	9
TLMNYS050KUP3/106	183x183x183	50x40	106	135x105	105x80	450	246	11
TLMNYS050KUP3S/115	183x183x183	50x40	115	135x105	105x80	450	254	11
TLMNYS050KUP1S/101	210x210x210	50x40	101	105x85	80x60	350	318	9
TLMNYS050KUP3S/108	210x210x210	50x40	108	135x105	105x80	450	318	11
TLMNYS050KUP3SS/115	210x210x210	50x40	115	135x105	105x80	450	318	11
TLNYS065KUP3/125	250x250x250	65x30	125	135x105	105x80	500	364	11
TLNYS065KUP1/116	250x250x250	65x30	116	105x85	80x60	350	364	9
TLNYS065KUP1/125	250x250x250	65x30	125	105x85	80x60	350	364	9
TLNYS065KUP1S/128	250x250x250	65x30	128	105x85	80x60	350	364	9
TLNYS080KUP1/124	250x250x250	80x36	124	105x85	80x60	350	387	9
TLNYS080KUP3/133	250x250x250	80x36	133	135x105	105x80	500	387	11
TLNYS080KUP3/148	250x250x250	80x36	148	135x105	105x80	500	387	11
TLNYS080KUP1S/155	300x300x300	80x36	155	105x85	80x60	350	428	9
TLNYS080KUP3S/155	300x300x300	80x36	155	135x105	105x80	600	428	11

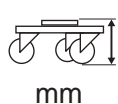
Special sizes available on request !

Black polyamide turtles

black turtles with black polyamide, plain bearing or ball bearing, made of black sheet steel with double ball race at the fork head

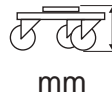


TLNYS100KUP3L/160	300x300x300	100x40	160	135x105	105x80	600	456	11
TLNYS100KUP3/164	300x300x300	100x40	164	135x105	105x80	600	456	11
TLNYS100KUP3/166	300x300x300	100x40	166	135x105	105x80	1000	456	11
TLNYS100KUP3S/178	300x300x300	100x40	178	135x105	105x80	1000	456	11
TSLNYS100KUP3S/185	300x300x300	100x40	185	135x105	105x80	1000	456	11
TLNYS125KUP3/196	340x340x340	125x45	196	135x105	105x80	1000	543	11
TLNYS125KUP3S/210	340x340x340	125x45	210	135x105	105x80	1000	543	11
TSLNYS125KUP3SS/221	550x550x550	125x45	221	135x105	105x80	1000	670	11
TLNYS150KUP3/235	550x550x550	150x45	235	135x105	105x80	600	716	11
TLNYS150KUP3S/230	550x550x550	150x45	230	135x105	105x80	1000	716	11
TLNYS150KUP3SS/245	550x550x550	150x45	245	135x105	105x80	1000	716	11
TSLNYS150KUPS/259	550x550x550	150x45	259	190x170	150x135	2000	716	15
TSLNYS200KUPS/305	550x550x550	200x50	305	190x170	150x135	2000	785	15



T5LMNYS035GLP1/76	Ø 195	33x27	76	105x85	80x60	500	240	9
T5LMNYS035GLP3/85	Ø 195	35x27	85	135x105	105x80	500	240	11
TLNYS100KUP3R/160	Ø 380	100x40	160	135x105	105x80	600	500	11

Black double polyamide turtles

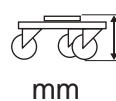


TLDMNYS033KUP1/76	118x118x118	2x33x9	76	105x85	80x60	300	175	9
TLDMNYS050KUP1/101	183x183x183	2x50x20	101	105x85	80x60	450	246	9
TLDMNYS050KUP3/106	183x183x183	2x50x20	106	135x105	105x80	450	246	11
TLDMNYS050KUP3S/115	183x183x183	2x50x20	115	135x105	105x80	450	254	11
TLDMNYS050KUP1S/101	210x210x210	2x50x20	101	105x85	80x60	350	318	9
TLDMNYS050KUP3S/108	210x210x210	2x50x20	108	135x105	105x80	450	318	11
TLDMNYS050KUP3SS/115	210x210x210	2x50x20	115	135x105	105x80	450	318	11
TLDNYS065KUP3/125	250x250x250	2x65x20	125	135x105	105x80	500	364	11
TLDNYS065KUP1/116	250x250x250	2x65x20	116	105x85	80x60	350	364	9
TLDNYS065KUP1/125	250x250x250	2x65x20	125	105x85	80x60	350	364	9
TLDNYS065KUP1S/128	250x250x250	2x65x20	128	105x85	80x60	350	364	9
TLDNYS080KUP1/124	250x250x250	2x80x20	124	105x85	80x60	350	387	9
TLDNYS080KUP3/133	250x250x250	2x80x20	133	135x105	105x80	500	387	11
TLDNYS080KUP3/148	250x250x250	2x80x20	148	135x105	105x80	500	387	11
TLDNYS080KUP1S/155	300x300x300	2x80x20	155	105x85	80x60	350	428	9
TLDNYS080KUP3S/155	300x300x300	2x80x20	155	135x105	105x80	600	428	11

Special sizes available on request !

Black double polyamide turtles

black turtles with black polyamide, plain bearing or ball bearing, made of black sheet steel with double ball race at the fork head



TLDNYS100KUP3L/160	300x300x300	2x100x20	160	135x105	105x80	600	456	11
TLDNYS100KUP3/165	300x300x300	2x100x20	165	135x105	105x80	1000	456	11
TLDNYS100KUP3S/178	300x300x300	2x100x20	178	135x105	105x80	1000	456	11
TSLDNYS100KUP3S/185	300x300x300	2x100x20	185	135x105	105x80	1000	456	11
TLDNYS125KUP3/196	340x340x340	2x125x25	196	135x105	105x80	1000	543	11
TLDNYS125KUP3S/210	340x340x340	2x125x25	210	135x105	105x80	1000	543	11
TSLDNYS125KUP3SS/221	550x550x550	2x125x25	221	135x105	105x80	1000	670	11
TLDNYS150KUP3/235	550x550x550	2x150x30	235	135x105	105x80	600	716	11
TLDNYS150KUP3S/230	550x550x550	2x150x30	230	135x105	105x80	1000	716	11
TLDNYS150KUP3SS/245	550x550x550	2x150x30	245	135x105	105x80	1000	716	11
TSLDNYS150KUPS/259	550x550x550	2x150x30	259	190x170	150x135	2000	716	15
TSLDNYS200KUPS/305	550x550x550	2x200x30	305	190x170	150x135	2000	785	15

Multi-Castors



OKRB035



OKRB035FUSS

- Fast directional change - easier steering than traditional casters
- Glide smoothly over carpet, wood & marble floors
- Multiple drain channels expel debris & fluids
- Effortlessly convey delicate materials with minimal damage



OKRA035



OKRA050



OKRB050



OKRB050TF



OKRB100



OKRB100TF

Code:	Ball-Ø (mm)	Height (mm)	Load (kg)
OKRB035	35	71,5	30
OKRB035FUSS	35	70	30
OKRA035	35	60	30
OKRA050	50	77	60
OKRB050	50	84	60
OKRB050TF	50	84	60
OKRB100	104	151,5	80
OKRB100TF	104	151,5	80

Fixing options for OKRB035(FUSS):

Countersunk M10



Q12

M8x13



Q13

M10x16



Q14

3/8"x45/64"



Q15

10x27 mm



Q16

11x18 mm

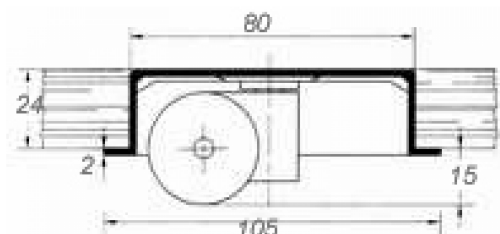


Q17

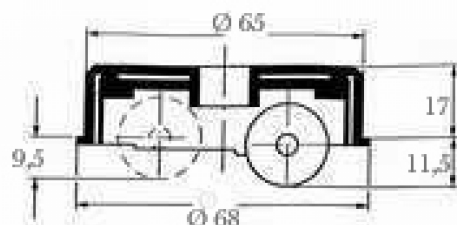
Roller inserts

For installation in flake boards (for example for desks and furniture trolleys, case legs) and for very low total heights.

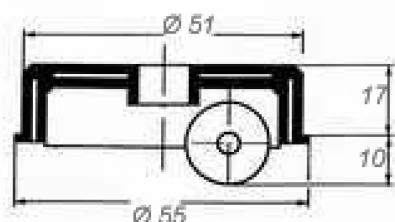
Type 2902-065 has 2 different total heights by changing the position of the wheel






Code: 2900-080



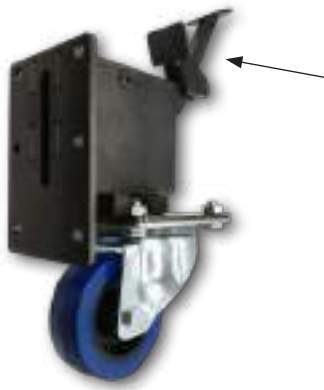
Code: 2902-065



Code: 2903-051

Code:	Wheel:	 mm	 mm	 kg
2900-080	soft, rubber	80	15	50
2902-065	hard, polyamide	65	9,5 / 11,5	50
2903-051	hard, polyamide	50	10	50

Multijacks



with foot lever
for lifting and
lowering


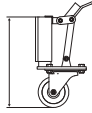
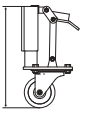
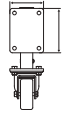
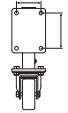

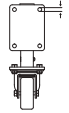


for lifting and
lowering with
mounted rod

Heberoller LAGT100ROP1TH

Heberoller LAGT100ROP3

By mounting the multijack on a construction, the movement of heavy scenery parts is simplified hugely. Our multijack is made of steel sheets with black painted surface.

Code	 mm	 mm	 mm	 mm	 mm	 dyn. kg	 mm
multijack with Vulkollan wheels							
Heberoller LDVU050KUP3	2x50x20	251	296	150 x 110	115 x 80	160	M10
Heberoller LVU050KUP3	50x40	251	296	150 x 110	115 x 80	160	M10
Heberoller LVU065KUP3	65x30	271	316	150 x 110	115 x 80	200	M10
Heberoller LVU075KUP3	75x30	276	321	150 x 110	115 x 80	250	M10
Heberoller LVU080KUP3	80x30	279	324	150 x 110	115 x 80	250	M10
Heberoller LVU100KUP3	100x40	290	335	150 x 110	115 x 80	250	M10
multijack with elastic rubber wheels							
Heberoller LAGT080ROP3	80x30	279	324	150 x 110	115 x 80	100	M10
Heberoller LAGT100ROP3	100x40	290	335	150 x 110	115 x 80	150	M10
multijack with Vulkollan wheels with foot lever							
Heberoller LVU065KUP1TH	65x30	220	256	153 x 100	60/63x76	200	M10
Heberoller LVU080KUP1TH	80x30	227	264	153 x 100	60/63x76	250	M10
Heberoller LVU100KUP1TH	100x40	255	292	153 x 100	60/63x76	300	M10
multijack with elastic rubber wheels with foot lever							
Heberoller LAGT080ROP1TH	80x30	227	264	153 x 100	60/63x76	100	M10
Heberoller LAGT100ROP1TH	100x40	255	292	153 x 100	60/63x76	150	M10



Heberoller SLPUSS080KUP3TFS-4RF
(black)



Heberoller SLSPY080KUP3TFS+4RF
(black or white)



Heberoller TLPU050KUP3

Flightcase-Castors

SET BLUE WHEELS

- 2 swivel castors + 2 swivel castors with brake
- blue elastic rubber wheels
- roller bearing
- plastic rim
- wheel size 100 x 36 mm
- overall height: 125 mm
- fixing plate: 105 x 80 mm
- bolt hole distance: 80 x 60 mm
- load capacity (dyn.): 150 kg per castor



Code: SET LAG100ROP1 BL

SET BLACK WHEELS

- 2 swivel castors + 2 swivel castors with brake
- black elastic rubber wheels
- ball bearing
- plastic rim
- wheel size 100 x 36 mm
- overall height: 128 mm
- fixing plate: 105 x 80 mm
- bolt hole distance: 80 x 60 mm
- load capacity (dyn.): 150 kg per castor



Code: SET LAGTS100KUP1

SET HEAVY BLACK WHEELS

- 2 swivel castors + 2 swivel castors with brake
- black polyurethane castors
- ball bearing
- plastic rim
- wheel size 100 x 36 mm
- overall height: 128 mm
- fixing plate: 105 x 80 mm
- bolt hole distance: 80 x 60 mm
- load capacity (dyn.): 300 kg per castor



Code: SET LVPSS100KUP1

All versions above also available with wheel diameter 80 mm!

Theatre castor with Vulkollan wheel



Wheel: Vulkollan tyre, solid aluminium core, ball bearing
 Housing: made of galvanised sheet steel with double ball race at the fork head

Version: Wheel is available in flat or convex, 92° Shore

			mm	mm	mm	mm	mm	kg	mm	mm
LMVU033KUPL	LMVU033KUPLTF	BVU033KUPL	33x27	51	60x60	38x38/47x47	38x38/47x47	100	15	6
LUVU050KUPL	LUVU050KUPLTF	BVU050KUPL	50x20	73	60x60	38x38/47x47	38x38/47x47	50	25	6
LMVU050KUPL	LMVU050KUPLTF	BMVU050KUPL	50x40	72	60x60	38x38/47x47	38x38/47x47	150	28	6
LMVU050KUPLS	LMVU050KUPLSTF	BVU050KUPLS	50x40	82	80x80	60x60	60x60	150	28	9
LUVU065KUP1	LUVU065KUP1TF	BVU065KUP1	65x30	93	105x80	80x60	80x60	200	40	9
LUVU080KUP1	LUVU080KUP1TF	BVU080KUP1	80x30	100	105x80	80x60	80x60	200	40	9
LUVU080KUP3	LUVU080KUP3TF	BVU080KUP3	80x40	115	140x110	105x80	105x80	250	48	11
LUVU100KUP1	LUVU100KUP1TF	BVU100KUP1	100x40	128	105x80	80x60	80x60	320	40	9
LUVU100KUP3	LUVU100KUP3TF	BVU100KUP3	100x40	125	140x110	105x80	105x80	400	48	11
LUVU125KUP1	LUVU125KUP1TF	BVU125KUP1	125x45	155	105x80	80x60	80x60	320	40	9
LUVU125KUP3	LUVU125KUP3TF	BVU125KUP3	125x45	155	140x110	105x80	105x80	500	47	11
LUVU125KUP3A	LUVU125KUP3TFA	BVU125KUP3A	125x45	166	140x110	105x80	105x80	400	45	13
LUVU150KUP3	LUVU150KUP3TF	BVU150KUP3	150x50	185	140x110	105x80	105x80	500	60	11

			mm	mm	mm	mm	mm	kg	mm	mm
LUVU050KUPL-4Fach			50x40	82	80x80	60x60	60x60	150	37	9
LUVU065KUP1-4Fach			65x30	96	105x80	80x60	80x60	200	40	9
LUVU075KUP1-4Fach			75x30	100	105x80	80x60	80x60	200	40	9
LUVU080KUP1-4Fach			80x30	103	105x80	80x60	80x60	200	40	9
LUVU080KUP3-4Fach		BVU080KUP3TF	80x40	115	140x110	105x80	105x80	250	48	11
LUVU080KUP3-8Fach			80x40	115	140x110	105x80	105x80	250	48	11
LUVU100KUP3-4Fach	SLVU080KUP3TFS	BVU100KUP3TF	100x40	125	140x110	105x80	105x80	350	48	11
LUVU100KUP3-8Fach			100x40	125	140x110	105x80	105x80	350	48	11
LUVU125KUP3-4Fach	SLVU100KUP3TFS*	BVU125KUP3TF	125x45	155	140x110	105x80	105x80	500	47	11
LUVU150KUP3-4Fach	SLVU125KUP3TFS	BVU150KUP3TF	150x50	185	140x110	105x80	105x80	500	60	11

*auch mit Bauhöhe 165 mm lieferbar

			mm	mm	mm	mm	mm	kg	mm	mm
LMVU033KUO	LMVU033KUOTF		33x27	51	10	100	100	15		
LUVU050KUO	LUVU050KUOTF		50x20	73	10	50	50	25		
LMVU050KUO	LMVU050KUOTF	possibilities for fixation 	50x40	71	12	150	150	28		
LUVU065KUO	LUVU065KUOTF		65x30	93	13	180	180	40		
LUVU075KUO	LUVU075KUOTF		75x30	97	13	180	180	40		
LUVU080KUO	LUVU080KUOTF		80x30	100	13	180	180	45		
LUVU080/40KUO			80x40	115	13	250	250	48		
LUVU100KUO	LUVU100KUOTF		100x40	125	13	350	350	48		
LUVU125KUO	LUVU125KUOTF		125x45	150	13	170	170	60		
LUVU150KUO	LUVU150KUOTF		150x50	180	13	350	350	60		

Theatre castor w. double Vulkollan wheel

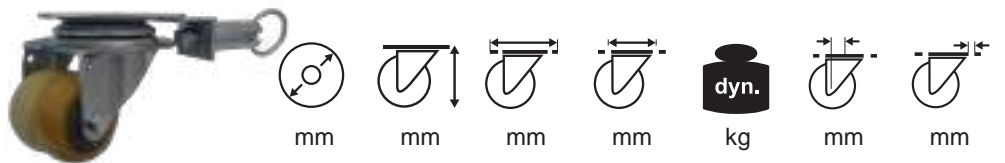
Wheel: Vulkollan tyre, solid aluminium core, ball bearing
 Housing: made of galvanised sheet steel with double ball race at the fork head



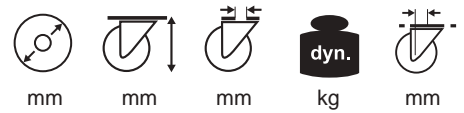
Version: Wheel is available in flat or convex, 92° Shore



			mm	mm	mm	mm	kg	mm	mm
LDMVU030KUPL			2x30x12	50	60x60	38x38/47x47	80	15	6
LDMVU033KUPL	LDMVU033KUPLTF	BDVU033KUPL	2x33x12	51	60x60	38x38/47x47	80	15	6
LDMVU040KUPL	LDMVU040KUPLTF		2x40x20	67	60x60	38x38/47x47	150	28	6
LDMVU050KUPL	LDMVU050KUPLTF	BDMVU050KUPL	2x50x20	72	60x60	38x38/47x47	150	28	6
LDMVU050KUPLS	LDMVU050KUPLSTF	BDVU050KUPLS	2x50x20	82	80x80	60x60	150	28	9
LDVU065KUP3			2x65x25	108	140x110	105x80	300	48	11
LDVU080KUP3		BDVU080KUP3	2x80x25	115	135x105	105x80	300	48	11
LDVU100KUP3	LDVU100KUP3TF	BDVU100KUP3	2x100x25	125	135x105	105x80	400	48	11
LDVU100KUP1	LDVU100KUP1TF	BDVU100KUP1	2x100x25	128	105x80	80x60	320	40	9
SLDVU100KUP1		SBDVU100KUP1	2x100x25	130	105x80	80x60	350	40	9
LDVU100KUP3S		BDVU100KUP3S	2x100x30	148	140x110	105x80	590	35	11
LDVU125KUP3	LDVU125KUP3TF	BDVU125KUP3	2x125x25	170	140x110	105x80	1100	50	11
LDVU125KUP4A	LDVU125KUP4TFA	BDVU125KUP4A	2x125x40	197	170x170	130x130	750	60	13
LDVU150KUP4		BDVU150KUP4	2x150x50	212	175x140	140x110	1600	55	12
LDVU150KUP4A	LDVU150KUP4TFA	BDVU150KUP4A	2x150x40	210	170x170	130x130	1000	60	13
LDVU180KUP3		BDVU180KUP4	2x180x50	255	175x140	140x110	1700	65	12
LDVU180KUP4A	LDVU180KUP4TFA	BDVU180KUP4A	2x180x50	260	200x200	160x160	1800	72	17
LDVU200KUP3		BDVU200KUP4	2x200x50	265	175x140	140x110	2000	67	12
LDVU200KUP4A	LDVU200KUP4TFA	BDVU200KUP4A	2x200x50	270	200x200	160x160	2000	72	17



			mm	mm	mm	mm	kg	mm	mm
LDVU050KUP3-4Fach	2x50x20		82	80x80	60x60		150	37	9
LDVU080KUP3-4Fach	2x80x25		115	140x110	105x80		300	48	11
LDVU080KUP3-8Fach	2x80x25		115	140x110	105x80		300	48	11
LDVU100KUP3-4Fach	2x100x25		125	140x110	105x80		350	48	11
LDVU100KUP3-8Fach	2x100x25		125	140x110	105x80		350	48	11
LDVU125KUP3-4Fach	2x125x25		155	140x110	105x80		500	47	11



			mm	mm	mm	kg	mm
LDMVU030KUO			2x30x12	50	10	80	15
LDMVU033KUO	LDMVU033KUOTF		2x33x12	51	10	80	15
LDMVU040KUO	LDMVU040KUOTF		2x40x20	67	12	150	28
LDMVU050KUO	LDMVU050KUOTF		2x50x20	72	12	150	28
LDVU080KUO			2x80x25	115	13	300	45
LDVU100KUO	LDVU100KUOTFA		2x100x25	125	13	350	48
LDVU125KUOA	LDVU125KUOTFA		2x125x25	150	13	170	60

possibilities for fixation

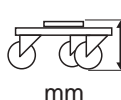
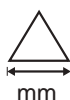


Turtles with Vulkollan wheels



Wheel: Vulkollan tyre, solid aluminium core, ball bearing
 Housing: made of galvanised sheet steel with double ball race at the fork head

Version: Wheel is available in flat or convex, 92° Shore

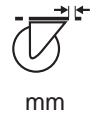
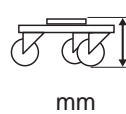


	mm	mm	mm	mm	mm	kg	mm	mm
T5LMVU033KUP1/76	Ø 195	33x27	76	105x85	80x60	450	240	9
TLMVU033KUP1/76	118x118x118	33x27	76	105x85	80x60	300	175	9
T5LMVU033KUP3/85	Ø 195	33x27	85	135x105	105x80	500	240	11
TLMVU033KUP3/85	118x118x118	33x27	85	135x105	105x80	300	175	11
TLMVU033KUP3S/95	118x118x118	33x27	95	135x105	105x80	300	175	11
TLMVU040KUP1/96	183x183x183	40x40	96	105x85	80x60	450	234	9
TLMVU040KUP3/101	183x183x183	40x40	101	135x105	105x80	450	234	11
TLMVU050KUP1 /101	183x183x183	50x40	101	105x85	80x60	450	246	9
TLMVU050KUP3/106	183x183x183	50x40	106	135x105	105x80	450	246	11
TLMVU050KUP3/108	183x183x183	50x40	108	135x105	105x80	450	246	11
TLMVU050KUP3S/115	183x183x183	50x40	115	135x105	105x80	450	246	11
TLMVU050KUP1S/101	210x210x210	50x40	101	105x85	80x60	450	318	9
TLMVU050KUP3S/108	210x210x210	50x40	108	135x105	105x80	450	318	11
TLMVU050KUP3SS/115	210x210x210	50x40	115	135x105	105x80	450	318	11
TLVU065KUP3/125	250x250x250	65x30	125	135x105	105x80	500	364	11
TLVU065KUP1/117	250x250x250	65x30	117	105x85	80x60	450	364	9
TLVU065KUP1/125	250x250x250	65x30	125	105x85	80x60	450	364	9
TLVU065KUP1S/128	250x250x250	65x30	128	105x85	80x60	450	364	9
TLVU075KUP1/123	250x250x250	75x30	123	105x85	80x60	450	381	9
TLVU075KUP3/130	250x250x250	75x30	130	135x105	105x80	500	381	11
TLVU080KUP1/125	250x250x250	80x30	125	105x85	80x60	450	387	9
TLVU080KUP3/133	250x250x250	80x30	133	135x105	105x80	500	387	11
TLVU080KUP3/148	250x250x250	80x30	148	135x105	105x80	500	387	11
TLVU080KUP1S/155	300x300x300	80x40	155	105x85	80x60	450	428	9
TLVU080KUP3S/155	300x300x300	80x40	155	135x105	105x80	600	428	11
TLVU100KUP3R/160	Ø 380	100x40	160	135x105	105x80	600	500	11
TLVU100KUP3L/160	300x300x300	100x40	160	135x105	105x80	600	456	11
TLVU100KUP3/164	300x300x300	100x40	164	135x105	105x80	600	456	11
TLVU100KUP3/166	300x300x300	100x40	166	135x105	105x80	1000	456	11
TLVU100KUP3S/178	300x300x300	100x40	178	135x105	105x80	1000	456	11
TSLVU100KUP3S/185	300x300x300	100x40	185	135x105	105x80	1000	456	11
TLVU125KUP3/196	340x340x340	125x45	196	135x105	105x80	750	543	11
TLVU125KUP3S/210	340x340x340	125x45	210	135x105	105x80	750	543	11
TSLVU125KUP3SS/221	550x550x550	125x45	221	135x105	105x80	1000	670	11
TLVU150KUP3/235	550x550x550	150x50	235	135x105	105x80	600	716	11
TLVU150KUP3S/230	550x550x550	150x50	230	135x105	105x80	1000	716	11
TLVU150KUP3SS/245	550x550x550	150x50	245	135x105	105x80	1000	716	11
TSLVU150KUPS/254	550x550x550	150x50	254	190x170	150x135	2000	716	15
TSLVU180KUPS/298	550x550x550	180x50	298	190x170	150x135	2000	751	15
TSLVU200KUPS/305	550x550x550	200x50	305	190x170	150x135	2000	785	15

Turtles with double Vulkollan wheels

Wheel: Vulkollan tyre, solid aluminium core, ball bearing
Housing: made of galvanised sheet steel with double ball race at the fork head

Version: Wheel is available in flat or convex, 92° Shore



	mm	mm	mm	mm	mm	kg	mm	mm
TLDMVU040KUP1/96	183x183x183	2x40x20	96	105x85	80x60	450	234	9
TLDMVU040KUP3/101	183x183x183	2x40x20	101	135x105	105x80	450	234	11
TLDMVU050KUP1/101	183x183x183	2x50x20	101	105x85	80x60	450	254	9
TLDMVU050KUP3/106	183x183x183	2x50x20	106	135x105	105x80	450	254	11
TLDMVU050KUP3/108	183x183x183	2x50x20	108	135x105	105x80	450	254	11
TLDMVU050KUP3S/115	183x183x183	2x50x20	115	135x105	105x80	450	254	11
TLDMVU050KUP1S/101	210x210x210	2x50x20	101	105x85	80x60	450	318	9
TLDMVU050KUP3S/108	210x210x210	2x50x20	108	135x105	105x80	450	318	11
TLDMVU050KUP3SS/115	210x210x210	2x50x20	115	135x105	105x80	450	318	11
TLDVU060KUP3/125	250x250x250	2x60x20	125	135x105	105x80	400	364	11
TLDVU060KUP1/125	250x250x250	2x60x20	125	105x85	80x60	400	364	9
TLDVU075KUP3/130	250x250x250	2x75x20	130	135x105	105x80	500	381	11
TLDVU080KUP3/133	250x250x250	2x80x20	133	135x105	105x80	500	387	11
TLDVU080KUP3/148	250x250x250	2x80x20	148	135x105	105x80	500	387	11
TLDVU080KUP1/155	300x300x300	2x80x20	155	105x85	80x60	450	428	9
TLDVU080KUP3/155	300x300x300	2x80x20	155	135x105	105x80	750	428	11
TLDVU100KUP3L/160	300x300x300	2x100x25	160	135x105	105x80	600	456	11
TLDVU100KUP3/164	300x300x300	2x100x25	164	135x105	105x80	600	456	11
TLDVU100KUP3/166	300x300x300	2x100x25	166	135x105	105x80	1000	456	11
TLDVU100KUP3S/178	300x300x300	2x100x25	178	135x105	105x80	1000	456	11
TLDVU100KUP3SS/185	300x300x300	2x100x25	185	135x105	105x80	1000	456	11
TLDVU125KUP3/196	340x340x340	2x125x25	196	135x105	105x80	750	543	11
TLDVU125KUP3S/210	340x340x340	2x125x25	210	135x105	105x80	750	543	11
TSLDVU125KUP3SS/220	550x550x550	2x125x25	220	135x105	105x80	1000	670	11

also available as Hebewunder!

Hebewunder (pneumatic lift roller)

with (single) Vulkollan wheels on full aluminium core, 92° Shore









pneumatic lift roller designed for installation in aluminium or steel frames to achieve an easier movement of scenery parts; time of setting up decoration can be greatly reduced during regular performance

Advantages:

1. the scenery part can be moved any time
2. no overload of the castors while standing because they are retracted during play
3. rigidity of the scenery part like a movable part
4. saving of „man power“
5. minimum offset

Operating Pressure: 2 bar

							air consumption per pillow in litre	
	mm	mm	min. mm	max. mm	kg	mm	mm	
HWLMPUSS033KUP3/91*	118x118x118	33x27	91	126	300	175	11	1,1
HW5LMPUSS033KUP3/101*	Ø 195	33x27	101	141	400	240	11	2,5
HWLMVU050KUP3/125	183x183x183	50x40	125	165	400	254	11	2,5
HWLMVU050KUP3/145	183x183x183	50x40	145	185	400	212	11	2,0
HWLVU065KUP3/160	250x250x250	65x30	160	202	400	364	11	2,0
HWLVU080KUP3/167	250x250x250	80x30	167	208	400	387	11	2,0
HWLVU100KUP3/202	300x300x300	100x40	202	243	400	456	11	2,0
HWLVU125KUP3/222	340x340x340	125x45	222	263	400	543	11	2,0
HWLVU150KUP3/258	550x550x550	150x50	258	299	400	716	11	2,0
HWLMVU050KUP3/135 HOAC	183x183x183	50x40	135	165	400	254	11	2,5
HW5LMVU050KUP3/145 750 KG	Ø 220	50x40	145	175	750	340	11	14

*with polyurethane wheels



Hebewunder with springs



Shifting of whole grandstands in short time!
Photo: Michael Hübner/Theater Regensburg



Hebewunder for HOAC frame

Hebewunder (pneumatic lift roller) with (double) Vulkollan wheels on full aluminium core, 92° Shore

Wheel:
Vulkollan, full aluminium core, ball bearing
Description of properties on page 2.3

Version:
wheel available with flat or round tread, 92° Shore







Housing:
galvanized steel with double ball race at fork head



Film Hebewunder in action
(Youtube)



Operating Pressure: 2 bar

							air consumption per pillow in litre
	mm	mm	min. mm max. mm	kg	mm	mm	
HWLDMPUSS033KUP3/91*	118x118x118	2x33x10	91 126	300	175	11	1,1
HW5LDMPUSS033KUP3/101*	∅ 195	2x33x10	101 141	400	240	11	2,5
HWLDMVU050KUP3/125	183x183x183	2x50x20	125 165	400	254	11	2,5
HWLDMVU050KUP3/145	183x183x183	2x50x20	145 185	400	212	11	2,0
HWLDMVU080KUP3/167	250x250x250	2x80x20	167 208	400	387	11	2,0
HWLDMVU100KUP3/202	300x300x300	2x100x25	202 243	400	456	11	2,0
HWLDMVU125KUP3/233	340x340x340	2x125x25	233 273	400	543	11	2,0
HWLDMVU150KUP3/258	550x550x550	2x150x25	258 299	400	716	11	2,0
HWLDMVU050KUP3/135 HOAC	183x183x183	2x50x20	135 165	400	254	11	2,5
HW5LDMVU050KUP3/145 750 KG	∅ 220	2x50x20	145 175	750	340	11	14

*with polyurethane wheels

When the air cushion of the „Hebewunder“ is filled with enough compressed air it lifts up the desired scenery parts. Multiple „Hebewunder“ could be linked together using a distribution device and several hose to accomplish that differences in weight do not disturb the even up-lifting of the scenery parts.

Accessory parts:

Item	Code
T-Connector	3104 06 00
Connector	3101 06 10
Silencer	0670 00 10
Polyamide hose, 25 m	102SP0601
3-Way-Valve	0452 04 10
Quick Coupling 1	NS4D-6G2
Quick Coupling 2	PLCD-6G1



3-way-valve



Silencer



Connector



T-connector



Quick Coupling 1



Quick Coupling 2

Theatre castor with elastic, soft polyurethane wheel on solid aluminium core, 75° Shore, ball bearing



Wheel:

soft polyurethane wheel on solid aluminium core, ball bearing, flat or convex

Housing:

- made of galvanised sheet steel with double ball race at fork head

bold: version with black housing

blue dot: mark for soft wheel

			mm	mm	mm	mm	kg	mm	mm
LMPUW033KUPL	LMPUW033KUPLTF	BPUW033KUPL	33x27	51	60x60	38x38/47x47	80	15	6
LMPUW050KUPL	LMPUW050KUPLTF	BMPUW050KUPL	50x40	72	60x60	38x38/47x47	125	31	6
LMPUW050KUPLS	LMPUW050KUPLSTF	BPUW050KUPLS	50x40	82	80x80	60x60	125	31	9
LPUW080KUP1	LPUW080KUP1TF	BPUW080KUP1	80x40	100	105x80	80x60	200	40	9
LPUW080KUP3	LPUW080KUP3TF	BPUW080KUP3	80x40	115	140x110	105x80	250	48	11
LPUW100KUP1	LPUW100KUP1TF	BPUW100KUP1	100x40	128	105x80	80x60	300	40	9
LPUW100KUP3	LPUW100KUP3TF	BPUW100KUP3	100x40	125	140x110	105x80	300	48	11

			mm	mm	mm	mm	kg	mm	mm
LPUW050KUPL-4Fach			50x40	82	80x80	60x60	125	37	9
LPUW075KUP1-4Fach			75x30	100	105x80	80x60	200	40	9
LPUW080KUP1-4Fach			80x30	103	105x80	80x60	200	40	9
LPUW080KUP3-4Fach		BPUW080KUP3TF	80x40	115	140x110	105x80	250	48	11
LPUW080KUP3-8Fach			80x40	115	140x110	105x80	250	48	11
LPUW100KUP3-4Fach	SLPUW080KUP3TFS	BPUW100KUP3TF	100x40	125	140x110	105x80	300	48	11
LPUW100KUP3-8Fach			100x40	125	140x110	105x80	300	48	11

					mm	mm	mm	kg	mm
LMPUW033KUO	LMPUW033KUOTF				33x27	51	10	80	15
LMPUW050KUO	LMPUW050KUOTF				50x40	71	12	125	28
LPUW080KUO	LPUW080KUOTF				80x30	100	13	180	45
LPUW080/40KUO					80x40	115	13	250	48
LPUW100KUO	LPUW100KUOTF				100x40	125	13	300	48

possibilities for fixation



Theatre castor with elastic, soft polyurethane wheel on solid aluminium core, 75° Shore, ball bearing

Wheel:

soft polyurethane wheel on solid aluminium core, ball bearing, flat or convex

Housing:

- made of galvanised sheet steel with double ball race at fork head

bold: version with black housing

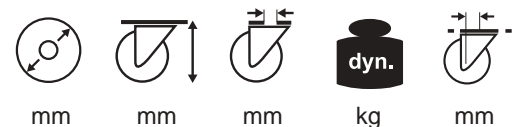
blue dot: mark for soft wheel



LDMPUW033KUPL	LDMPUW033KUPLTF	BDPUW033KUPL	2x33x10	51	60X60	38X38/46X46	100	15	6
LDMPUW050KUPL	LDMPUW050KUPLTF	BDMPUW050KUPL	2x50x20	72	60X60	38X38/46X46	150	31	6
LDMPUW050KUPLS	LDMPUW050KUPLSTF	BDPUW050KUPLS	2x50x20	82	80x80	60x60	150	31	9
LDPUW080KUP3		BDPUW080KUP3	2x80x25	115	135x105	105x80	350	48	11
LDPUW100KUP3	LDPUW100KUP3TF	BDPUW100KUP3	2x100x25	125	135x105	105x80	350	48	11
LDPUW100KUP1	LDPUW100KUP1TF	BDPUW100KUP1	2x100x25	128	105x80	80x60	320	40	9
SLDPUW100KUP1	SLDPUW100KUP1TF	SBDPUW100KUP1	2x100x25	130	105x80	80x60	350	40	9
SLDPUW100KUP3		SBDPUW100KUP3	2x100x25	148	135x105	105x80	500	48	11



LDPUW080KUP3-4Fach	2x80x25	115	140x110	105x80	300	48	11
LDPUW080KUP3-8Fach	2x80x25	115	140x110	105x80	300	48	11
LDPUW100KUP3-4Fach	2x100x25	125	140x110	105x80	350	48	11
LDPUW100KUP3-8Fach	2x100x25	125	140x110	105x80	350	48	11



LDMPUW033KUO	LDMPUW033KUOTF	possibilities for fixation	2x33x10	51	10	100	10
LDMPUW050KUO	LDMPUW050KUOTF		2x50x20	71	12	150	37
LDPUW080KUO			2x80x25	115	13	300	60
LDPUW100KUO	LDPUW100KUOTFA		2x100x25	125	13	350	60

Turtles with elastic soft polyurethane wheels on solid aluminium core, 75° Shore, ball bearing



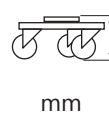
Wheel:
soft polyurethane wheel on solid aluminium core, ball bearing,
flat or convex

Housing:

- made of galvanised sheet steel with double ball race at fork head

bold: version with black housing

blue dot: mark for soft wheel



	mm	mm	mm	mm	mm	kg	mm	mm
T5LMPUW033KUP1/76	Ø 195	33x27	76	115x85	80x60	300	240	9
TLMPUW033KUP1/76	118x118x118	33x27	76	115x85	80x60	240	175	9
TLMPUW050KUP1/101	183x183x183	50x40	101	115x85	80x60	350	254	9
TLMPUW050KUP3/108	183x183x183	50x40	108	135x105	105x80	450	254	11
TLMPUW050KUP3S/115	183x183x183	50x40	115	135x105	105x80	450	254	11
TLP UW080KUP3/133	250x250x250	80x30	133	135x105	105x80	500	387	11
TLP UW080KUP3/148	250x250x250	80x30	148	135x105	105x80	500	387	11
TLP UW080KUP1/155	300x300x300	80x30	155	115x85	80x60	350	428	9
TLP UW080KUP3/155	300x300x300	80x40	155	135x105	105x80	750	428	11
TLP UW100KUP3L/160	300x300x300	100x40	160	135x105	105x80	600	456	11
TLP UW100KUP3/164	300x300x300	100x40	164	135x105	105x80	900	456	11
TLP UW100KUP3/166	300x300x300	100x40	166	135x105	105x80	900	456	11
TLP UW100KUP3S/178	300x300x300	100x40	178	135x105	105x80	900	456	11
TLP UW100KUP3SS/185	300x300x300	100x40	185	135x105	105x80	900	456	11

Turtles with (double)elastic soft polyurethane wheels on solid aluminium core, 75° Shore, ball bearing

Wheel:

soft polyurethane wheel on solid aluminium core, ball bearing, flat or convex

Housing:

- made of galvanised sheet steel with double ball race at fork head

bold: version with black housing

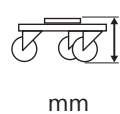
blue dot: mark for soft wheel



mm



mm



mm



mm



mm



kg



mm



mm

	mm	mm	mm	mm	mm	kg	mm	mm
T5LDMPUW033KUP1/76	Ø 195	2x33x10	76	115x85	80x60	300	240	9
TLDMPUW033KUP1/76	118x118x118	2x33x10	76	115x85	80x60	300	175	9
TLDMPUW050KUP1/101	183x183x183	2x50x20	101	115x85	80x60	350	254	9
TLDMPUW050KUP3/108	183x183x183	2x50x20	108	135x105	105x80	450	254	11
TLDMPUW050KUP3S/115	183x183x183	2x50x20	115	135x105	105x80	450	254	11
TLDPUW080KUP3/133	250x250x250	2x80x25	133	135x105	105x80	500	387	11
TLDPUW080KUP3/148	300x300x300	2x80x25	148	115x85	80x60	500	428	11
TLDPUW080KUP1/155	300x300x300	2x80x25	155	135x105	105x80	350	428	9
TLDPUW080KUP3/155	300x300x300	2x100x25	155	135x105	105x80	750	456	11
TLDPUW100KUP3L/160	300x300x300	2x100x25	160	135x105	105x80	600	456	11
TLDPUW100KUP3/164	300x300x300	2x100x25	164	135x105	105x80	900	456	11
TLDPUW100KUP3/166	300x300x300	2x100x25	166	135x105	105x80	900	456	11
TLDPUW100KUP3S/178	300x300x300	2x100x25	178	135x105	105x80	900	456	11
TLDPUW100KUP3SS/185	300x300x300	2x100x25	185	135x105	105x80	900	456	11

also available as Hebewunder!

Special Hinges

Hammered Flap Hinge



- hammered
- blocks at 180°
- liquid passivated
- Measure: 150x45 mm
- Height: 5 mm

Code: Klappenscharnier RB

Hinge „Mannheim“



- hammered
- 60 x 90 x 3 mm
- one side bent 90°
- pin 90°
- steel
- axial play 2 mm

Code: Scharnier „Mannheim“

Hinge „Berlin“



- reinforced hinge
- measure 130 x 80 x 3 mm
- 90° pin with 10 mm hole for fixation
- blank steel
- axial play 10 mm

Code: Scharnier „Berlin“



safety pin
for fixation

Special Hinges

Ceiling Ring

tested by the
German TÜV



- blank steel with clip
- ring inside: 45 x 9 mm
- clip: 70 x 20 mm

Code: Plafondring



Ceiling Ring „DOR“ with clip

Use only in pairs!

- Clip: 65 x 40 mm
- Ring inside: 50 x 42 x 7 mm
- Stamp: „RB“

Code: Plafondring DOR



Hakenband

Material: steel

available versions:

- pin left long
- pin left short
- pin right long
- pin right short

also available as loose parts



Black Scenery Hinges

all standard sizes available in black



70x55x3 mm



60x60x3 mm



60x90x3 mm

hammered scenery hinges, black powder coated,
with loose ring pin Ø 6 mm
packaging unit 50 pcs

Code	Size
00056070 SC	70x55 mm, axial 2 mm
00056170 SC	70x55 mm, axial 10 mm
00057060 SC	60x60 mm, axial 2 mm
00057061 SC	60x60 mm, axial 10 mm
00058609 SC	60x90 mm, axial 2 mm
00058619 SC	60x90 mm, axial 10 mm

Code	Size
00058510 SC	50x100 mm, axial 1 mm
00058812 SC	80x120 mm, axial 2 mm
00057050 SC	50x54 mm, axial 2 mm
00058457 SC	45x70 mm, axial 2 mm

Standard Scenery Hinges

standard sizes in bright steel

hammered scenery hinges, bright steel,
with loose ring pin Ø 6 mm
packaging unit 50 pcs

Code	Size
00056070 RI	70x55 mm, axial 2 mm
00056170 RI	70x55 mm, axial 10 mm
00057060 RI	60x60 mm, axial 2 mm
00057061 RI	60x60 mm, axial 10 mm
00058609 RI	60x90 mm, axial 2 mm
00058619 RI	60x90 mm, axial 10 mm



70x55x3 mm

Code	Size
00058510 RI	50x100 mm, axial 1 mm
00058812 RI	80x120 mm, axial 2 mm
00057050 RI	50x54 mm, axial 2 mm
00058457 RI	45x70 mm, axial 2 mm



50x100x1 mm

Pneumatic Brake

for fixation of whole stage elements

The pneumatic brake is mounted under rolling stage elements or wagons. Once the wagon has reached the desired position the pneumatic brake can be activated and lift the whole wagon so it stands still.

Technical data:

Air hose diameter: 6 mm

Lifting height: 40 mm

Load capacity: 400 kg (dyn.)

Operating pressure: 2 bar

Code: PNB400



with lateral tension springs



The stage wagon which is equipped with pneumatic brakes is positioned on the desired place. The pneumatic units are filled with air in order to lift the object. Now the wagon cannot be moved anymore.



If required the air units can be deflated so the stage element can be moved again. The lateral tension springs of the pneumatic brake keep the bottom part constantly pulled up.



In this way contact between floor and pneumatic brake will be avoided. The object can be moved and jacked again on another place. This process can be repeated as often as there is enough air available.

Grandstand-Lifting-Roller

for shifting whole grandstands

Grandstand roller made out of aluminium with 2 integrated Hebewunders for an easy shifting of grandstand elements in order to reduce the time for transformations.

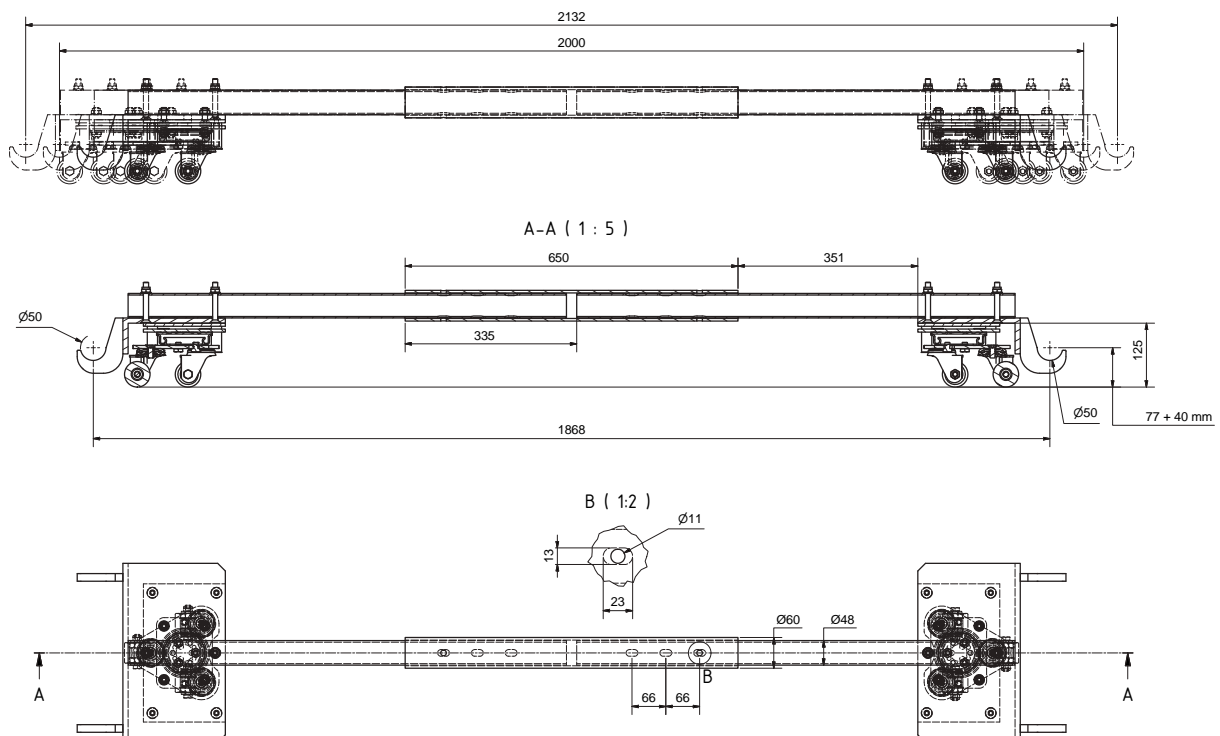
for hook up into tube diameter 50 mm
with adjustable center rod for
min. distance 1868 mm and
max. distance 2132 mm
between the tubes of the hooked up grandstand

wheels with solid aluminium core, ball bearing and Vulkollan tread
tube diameter: 6 mm
Turtles® with wheel size: 50x40 mm
lifting height: 40 mm
load capacity: 400 kg (dyn.)
operating pressure: 2 bar



Video

Code: HWTRLMVU050KUP3



Fixed castor with drum brake and dead man's brake



Wheel:

polyurethane, cast iron or polyamide core, ball bearing, 92° Shore

Versions:

wheel with flat tread

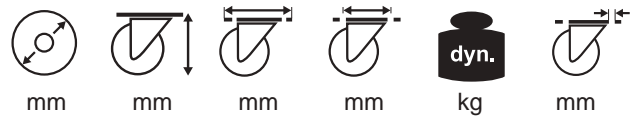
Housing:

galvanized steel with drum brake or dead man's brake

can be used with Bowden cable



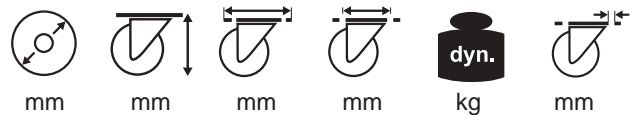
Castor with dead man's brake
(brakes when released)



	mm	mm	mm	mm	kg	mm
BGPT125KUP3TM	150x50	165	140x110	105x80	180	11
BGPT150KUP3TM	150x50	185	140x110	105x80	450	11
BGPT160KUP3TM	160x50	195	140x110	105x80	450	11
BGPT180KUP3TM	180x50	215	140x110	105x80	525	11
BGPT200KUP3TM	200x50	235	140x110	105x80	600	11



Castor with drum brake
(brakes when pulled)



	mm	mm	mm	mm	kg	mm
BGPT160KUP3TB	160x50	195	140x110	105x80	450	11
BGPT180KUP3TB	180x50	215	140x110	105x80	525	11
BGPT200KUP3TB	200x50	235	140x110	105x80	600	11

Also available with soft polyurethane wheels, rubber wheels, elastic rubber wheels, pneumatic wheels

Smartwheels - Theft Protection



Smartwheels

The smartwheels by Gatekeeper can be braked via remote control in order to stop rolling. By pushing the button the integrated drum brake will be disabled and the wheels can roll again. The object can be moved.



Video

Anti-Theft Flightcase



Smartwheels can be used in many different ways. For example as theft protection for flightcases which often contain expensive stage equipment. Once they are equipped with these castors the flightcase cannot be moved and stolen anymore.

Code: Set Smartwheels



locked / unlocked



Code: Cart Key Remote Control

Omniwheels

for sideway movements

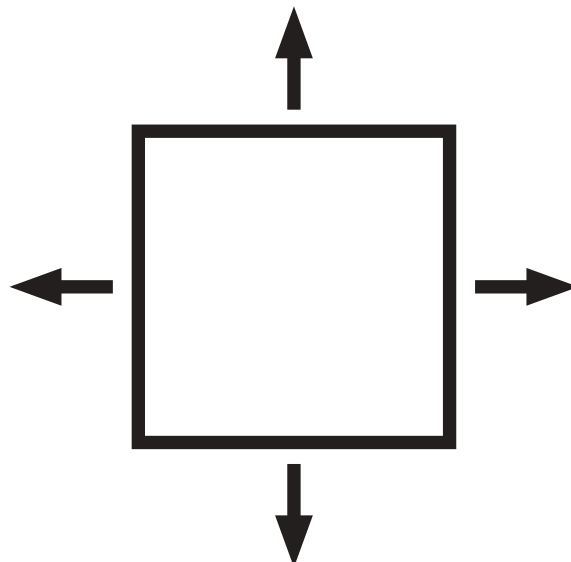
Omniwheels

The Omniwheels were developed for sideways movements.
Tread made of polyurethane



Code	Diameter	Load Capacity/Wheel	Weight/Wheel
OMW152P	152 mm	50 kg	0,94 kg
OMW203P	203 mm	100 kg	2,2 kg
OMW240P	240 mm	200 kg	12,5 kg
OMW254P	254 mm	450 kg	11 kg

Movement Directions



Mecanumwheels

for sideway and rotation movements

Mecanumwheels

The Mecanumwheels were developed for manoeuvring on confined space in any direction. By opposite driving of the single wheels it is possible to rotate with the wagon on one point or to move sideways.

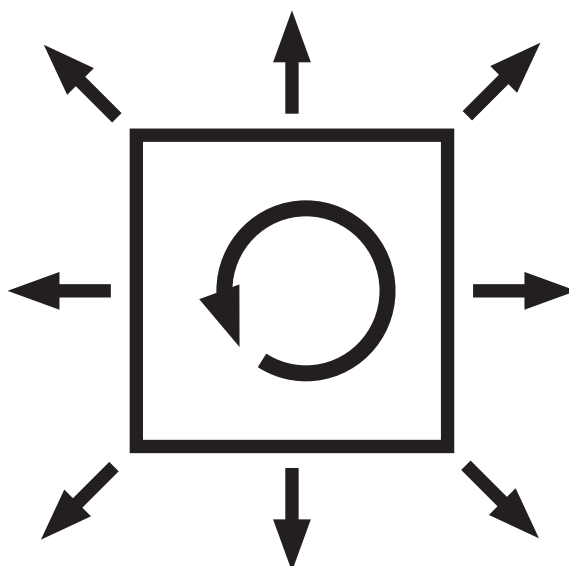


wheels made of polyurethane, also available in polyamide on request

The following sets contain four wheels with two „left“ and two „right“ versions:

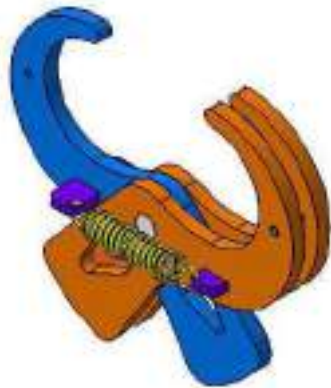
Code	Diameter	Load Capacity/Set	Weight/Set
SETMCW152P	152 mm	300 kg	13 kg
SETMCW203P	203 mm	600 kg	35 kg
SETMCW254P	254 mm	1000 kg	63 kg
SETMCW305P	305 mm	2000 kg	103 kg

Movement Directions



Security - Clamp

for installation on traverses, tubes etc.



Security:

- the more weight is hanging on it the more tightens the security clamp
- WLL 340 kg, with security factor 6 (breaking force more than 2 t)
- as soon as the shackle is attached, the opening of the security clamp is impossible
- only little space for installation necessary, no sharp edges, low risk of catching
- tested by the German TÜV, test report available upon request (in German)

Ergonomics:

- installation without any tools possible
- due to perfected design the installation on traverses, tubes etc. is possible
- ergonomic handle, allows:
 - to close the clamp while opened
(remains in opened position due to tensioned double spring)
 - simple shifting on the tube by slightly pressing the clamp together
- black electro-zinc coating

Security - Clamp

for installation on traverses, tubes etc.



shackle available separately



TÜV-Test

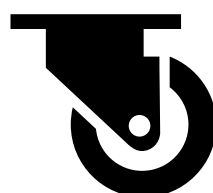
Scope of application:

- optimised product for tube diameter 48,3 mm and 50 mm, further sizes available on request
- Suspension of aluminium constructions, speakers, headlights etc.

Exclusive SPECTAT:

- patented product
- product made in France
- invention and production by SPECTAT, distribution by Räder-Busch

Code: Security-Clamp Ø50



**Räder-[®]
Busch**
GmbH

Safety Rope Gliders



dguv.de/pruefzeichen

RopeFix® 40S

Rope \varnothing 4,0mm
WLL: 60kg
(according to BGI 810-3)
Min. breaking force: 8.000 N

Rope construction:
6x7+1FE
6x19+1FE
1770 N/mm²



M10A x 12mm
Item-No: 010-570-4040-1001
Connecting thread:
M10 x 12mm External thread
Length: 57mm
Diameter: 20mm
Weight: approx. 100 Gramm

Ring
Item-No: 010-570-4040-1002
Diameter: 20mm
Length: 90mm
Ring inside diameter: 25mm
Ring outside diameter: 45 mm
Weight: approx. 190 Gramm



Fork head and folding spring bolt
Item-No: 010-570-4040-1003
Diameter: 20mm
Length: 97mm
Fork size: 10mm
Fork width: 20mm
Spring loaded bolt: 10mm
Weight: approx. 190 Gramm
Color surface fork head: silver

Fork head and folding spring bolts
Item-No: 010-570-4040-1004
as above, but:
Color surface fork head: black



M10I + SSA
Item-No: 010-570-4040-1005
Connecting thread:
M10 x 10mm Internal thread
Length: 70mm
Diameter: 20mm
Weight: approx. 180 Gramm
(SSA = side rope exit)

RopeFix® 50S

Rope \varnothing 5,0mm
WLL: 90kg
(according to BGI 810-3)
Min. breaking force: 12.500 N

Rope construction:
6x7+1FE
6x19+1FE
6x37+1FE
1770 N/mm²

M12A x 14mm
Item-No: 010-570-5050-1001
Connecting thread:
M12 x 14mm External thread
Length: 62 mm
Diameter: 25mm
Weight: approx. 160 Gramm

M12A x 20mm
Item-No: 010-570-5050-1002
Connecting thread:
M12 x 20mm External thread
Length: 68mm
Diameter: 25mm
Weight: approx. 160 Gramm

Ring
Item-No: 010-570-5050-1003
Diameter: 25mm
Length: 101mm
Ring inside diameter: 30mm
Ring outside diameter: 54mm
Weight: approx. 320 Gramm

Fork head and folding spring bolt
Item-No: 010-570-5050-1004
Diameter: 25mm
Length: 110mm
Fork size: 12mm
Fork width: 24mm
Spring loaded bolt: 12mm
Weight: approx. 300 Gramm
Color surface fork head: silver

Fork head and folding spring bolt
Item-No: 010-570-5050-1005
as above, but:
Color surface fork head: black

M12I + SSA
Item-No: 010-570-5050-1006
Connecting thread:
M12 x 12 mm Internal thread
Length: 78mm
Diameter: 25mm
Weight: approx. 250 Gramm
(SSA = side rope exit)

RopeFix® 80S

Rope \varnothing 6,0mm
WLL: 135kg
(according to BGI 810-3)
Min. breaking force: 20.000 N

Rope \varnothing 8,0mm
WLL: 240kg
(according to BGI 810-3)
Min. breaking force: 35.000 N

Rope construction:
6x19+1FE
6x37+1FE
1770 N/mm²

M20A x 17mm
Item-No: 010-570-8080-1001
Connecting thread:
M20 x 17mm External thread
Length: 90mm
Diameter: 40mm
Weight: approx. 600 Gramm

M20A x 30mm
Item-No: 010-570-8080-1002
Connecting thread:
M20 x 30mm External thread
Length: 103mm
Diameter: 40mm
Weight: approx. 620 Gramm

Ring
Item-No: 010-570-8080-1003
Diameter: 40mm
Length: 144mm
Ring inside diameter: 40mm
Ring outside diameter: 72mm
Weight: approx. 950 Gramm

Fork head and folding spring bolt
Item-No: 010-570-8080-1004
Diameter: 40mm
Length: 178mm
Fork size: 20mm
Fork width: 40mm
Spring loaded bolt: 20mm
Weight: approx. 1.300 Gramm
Color surface fork head: silver

Fork head and folding spring bolt
Item-No: 010-570-8080-1005
as above, but:
Color surface fork head: black

M20I + SSA
Item-No: 010-570-8080-1006
Connecting thread:
M20 x 15mm Internal thread
Length: 135mm
Diameter: 40mm
Weight: approx. 930 Gramm
(SSA = side rope exit)

M12I + SSA
Item-No: 010-570-8080-1007
as above, but:
Connecting thread:
M12 x 15mm Internal thread
(SSA = side rope exit)

**Rope glider for
rope-Ø up to 3 mm
available on request**



Workloads for general lifting equipment according to TÜV certification number: Z1A 15 09 70668 006



Travers clip + SSA
Item-No: 010-570-4040-1006
Diameter: 20mm
(SSA = side rope exit)
for tube Ø 48-51 mm

RopeFix® 40S
rope ø4,0mm
Workload (TÜV): 150kg

Travers clip + SSA
Item-No: 010-570-5050-1007
Diameter: 25mm
(SSA = side rope exit)
for tube Ø 48-51 mm

RopeFix® 50S
rope ø5,0mm
Workload (TÜV): 250kg

Travers clip + SSA
Item-No: 010-570-8080-1008
Diameter: 40mm
(SSA = side rope exit)
for tube Ø 48-51 mm

RopeFix® 80S
rope ø6,0mm
Workload (TÜV): 370kg

rope ø8,0mm
Workload (TÜV): 600kg

Locknut against accidental release of the clamping mechanism

Overload indicator for significant overloads of the workload (component must be replaced)

Collet as **2nd Safety level** only activated in case of overload

Proven **3-ball mechanism** for the workload area

Surface **matt black** for reduced light reflection

Connecting thread

Patent No. DE10 2013 113 847



