

2020-2021

SERVICE & GOODS LIFT BROCHURE

- BKG ADVANTAGE STOCK DUMBWAITERS
- BKG BESPOKE DUMBWAITERS
- BKG DOCUMENT LIFT
- BKG LOW HEADROOM SITUATIONS
- BKG UNDER BAR SERVICE LIFTS

D.K Lift Services Ltd
Unit 2, Victoria Industrial Park
Dartford, DA1 5AJ

D.K LIFT SERVICES

Service & Goods Lifts

Manufactured in Paderborn in the centre of the German industrial heartland, BKG Service Lifts really are the high quality, well engineered product that you would expect from a German based manufacturer.

Over 50 years refining the product means that a BKG Service Lift will be easy to use whilst providing optimum performance and long term reliability.

BKG Service Lifts are available in two basic configurations:

- (1) Dumbwaiters for the transport of food, small items or documents.
- (2) Trolley Lifts for the transport of bulky but light items such as laundry, light waste or general retail goods.

Every model in the BKG range comes in the form of a self-contained "kit" complete within its own self-supporting structure to minimise site installation time allowing for reduced building works. In most cases, the structure also houses the lift motor so a separate motor room is often not required. All parts incorporated in the lift carry 12 months guarantee.



COMPLIANCE

All BKG Service Lifts comply with the European Standard EN81-3:2000 which is seen as the most suitable way for a service lift to achieve compliance with European Machinery Directive 2006/42/EC.

BKG DUMBWAITERS

Advantage Stock Dumbwaiters

STANDARD SPECIFICATIONS

CAPACITY

50kg or 100kg

FLOORS

2 or 3 stop

SPEED

0.45 m/s

DRIVE SYSTEM

High efficiency traction drive

POWER REQUIREMENT

400 Volts, 3 Phase or 240 Volts, 1 Phase

TRAVEL

2 floor up to 4.0m (adjustable on site)

3 floor up to 7.3m (adjustable on site)

ARRANGEMENTS

Single or through entry (adjustable on site)

2 floor up to 4 entrances

3 floor up to 6 entrances

STRUCTURE

Galvanised steel structure

CAR

Finished in stainless steel

Removable mid-shelf

LANDING DOORS

Vertical bi-parting doors finished in stainless steel

2 hours fire-rated

Safety locks fitted

CONTROL SYSTEM

Microprocessor controller

Automatic push button landing stations

Developed to meet the requirements of the very short lead time market, the BKG 50kg and 100kg capacity Advantage Dumbwaiters are available ex-stock from our warehouse in the UK.

These service level lifts are available as two or three stop, single or through entry machines and come complete with vertical bi-parting landing doors and their own galvanised steel structure. The maximum travel of 4m (two stop) or 7.3m (three stop) can be easily adjusted on site. All Advantage Dumbwaiters can be supplied with either single or 3-phase drives and all car and landing finishes across the range are stainless steel, with landings having 2 hour fire ratings as standard. There is also a choice of brushed aluminium roller shutter or stainless steel vertical bi-parting door for car entrance protection.

BKG DUMBWAITERS

Advantage Stock Dumbwaiters

ELECTRICAL

- Additional auxiliary main contactor
- Phase failure reversal relay
- Landing push stations complete with car position indicator, lift in use indicator and door open signal
- Lift arrival buzzer
- Anti-quick-reversal
- Overtravel timer
- Hand lamp
- Light and socket within machine compartment
- Wiring in loom form

GENERAL

- Full set of warning notices
- User manual
- Comprehensive installer instructions
- Comprehensive UK style layout drawings and wiring diagrams
- Compliance with EC Machinery Regulations 2006/42/EC and EN81-3:2000
- Carries the "CE" Mark

OPTIONAL FEATURES

- Lockable machine access door finished in Stainless Steel with 2 hours fire rating
- Additional landing entrance assemblies with 2 hour fire-rated
- Heated car floor
- Additional car shelves
- Machine room access ladder
- Brushed aluminium roller shutter for car entrance fitted with electrical contact
- Stainless steel bi-parting shutter for car entrance fitted with electrical contact
- (Internal car dimensions and opening height will reduce when entrance protection is fitted)
- Travel extension pack to increase travel from 4m to 6m (2 floor lift only)
- Two shutters should be fitted on through entry cars to comply with regulations

Capacity	Model	Speed m/s	Max Travel 2-stop mm	Max Travel 3-stop mm	Min Serving Height mm	Headroom (based on 800mm serving height)	Shaft Width mm	Shaft depth mm	Car Width mm	Car Depth mm	Car Height mm
50kg	50.45/4	0.45	4000	7300	700	2600	750	750	460	570	800
100kg	100.45/4	0.45	4000	7300	700	2600	1000	1000	710	820	800

BKG DUMBWAITERS

Advantage Stock Dumbwaiters

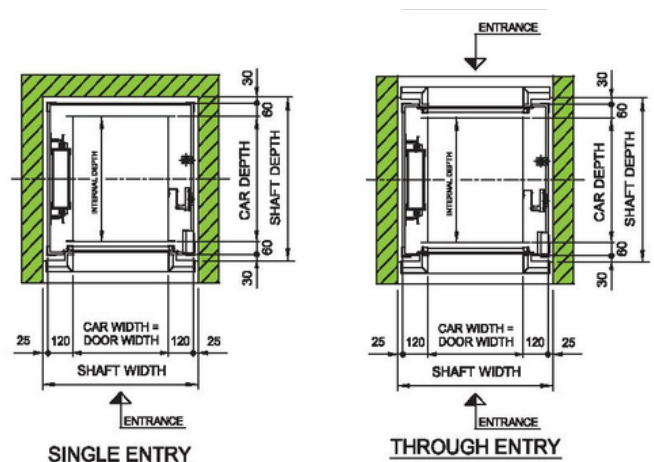
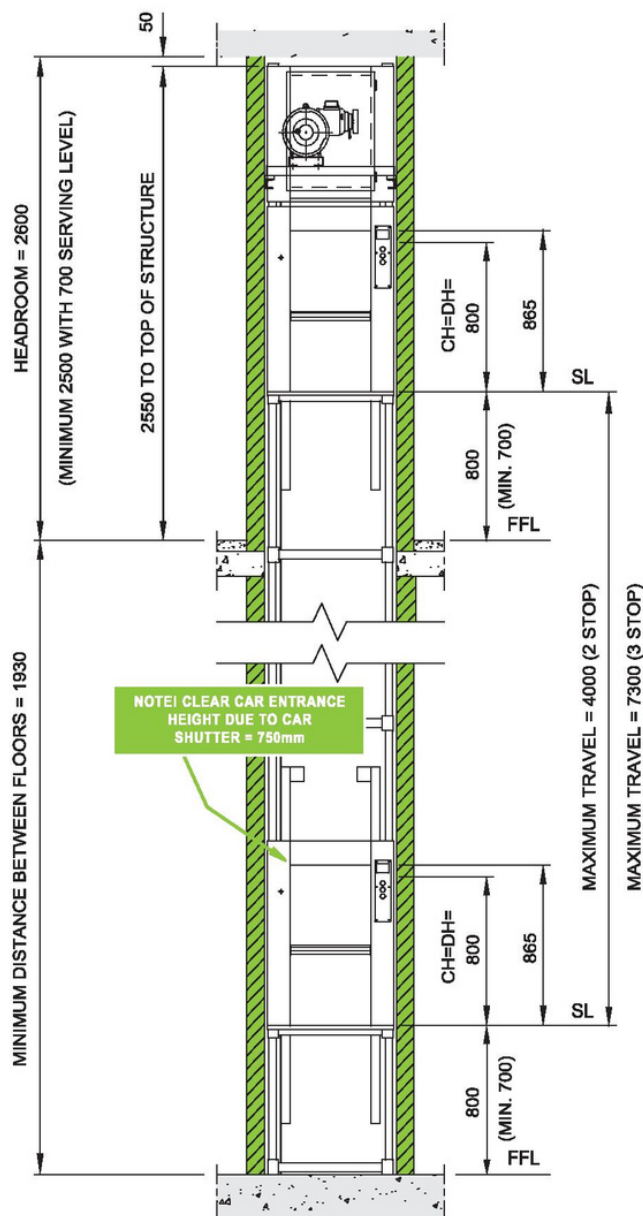
ADDITIONAL NOTES

Advantage Lifts are ex stock, delivery subject to availability. Please check stock position before ordering.

The fitting of a Roller Shutter or Bi-Parting Shutter to car will alter entrance size and internal car depth.

Roller Shutter: Entry width reduced by 40mm, entry height reduced by 50mm. Internal car depth reduced by 35mm (per shutter).

Bi-Parting Shutter: Entry width no reduction, entry height reduced by 50mm. Internal car depth reduced by 30mm (per shutter).



BKG DUMBWAITERS

Bespoke Dumbwaiters

STANDARD SPECIFICATIONS

CAPACITY

- 50kg
- 100kg
- 250KG

FLOORS

Serves up to 6 floors or 15m travel

SPEED

- 0.20m/s
- 0.25m/s
- 0.30m/s
- 0.45 m/s

POWER REQUIREMENT

3 Phase drive unit

CAR DIMENSIONS

- Width 300mm min / 1000mm max
- Depth 320mm min / 1000mm max
- Height 600mm min / 1200mm max

STRUCTURE

Galvanised steel structure, machine access door

CAR

Zintec or galvanised steel car with stainless steel base and removable shelf

LANDING DOORS

Zintec or galvanised steel vertical bi-parting landing doors and frames

CONTROL SYSTEM

Microprocessor controller

Wherever food needs to be transported between floors, the BKG range of bespoke dumbwaiters offers the ideal answer. Each BKG Bespoke Dumbwaiter is tailored to meet the most exacting of requirements and each lift is built specifically to match customers' needs.

All BKG Bespoke Dumbwaiters come with vertical bi-parting landing doors and their own galvanized steel structure and are built to a standard specification. Conventional models come complete with a machine access door. Capacity, travel, speed, number of stops, car dimensions, loading, entrance type, finishes, etc. can all be varied to customize the lift to match the site requirements.

To satisfy hygiene demands, Stainless steel shelves and floors are supplied as standard. Other stainless steel surface finishes are available as an option. A special seamless hygienic car is available for more rigorous requirements. Automatic "hands free" doors are also available to speed up the loading and unloading process. Optional car protection and heated compartments are especially useful in food transporting applications.

BKG DUMBWAITERS

Bespoke Dumbwaiters

ELECTRICAL

- Additional auxiliary main contactor
- Phase failure reversal relay
- Landing push stations complete with car position indicator, lift in use indicator and door open signal
- Lift arrival buzzer
- Anti-quick-reversal
- Overtravel timer
- Hand lamp
- Light and socket within machine compartment
- Wiring in loom form

GENERAL

- Full set of warning notices
- User manual
- Comprehensive installer instructions
- Comprehensive UK style layout drawings and wiring diagrams
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- Carries the "CE" Mark

OPTIONAL FEATURES

- Single phase drive unit
- Car, doors & frames in primed steel, stainless steel or special stainless steels
- Fire-rated landing doors and machine access
- Car entrance protection : vertical bi-parting door, roller shutter door
- Load guard baffles
- Shaft cladding in choice of primed steel, zintec, galvanised steel, stainless steel or plastic coated steel panels
- Governor operated safety gear for applications where there is accessible space below the lift
- Special requirements can be catered for such as Lloyd's Register of Shipping designs, explosion proof, automatic doors and fully automated loading and unloading

Special Chain Drive models are available to make maximum use of a limited footprint and in applications where low headroom is a problem, a bottom drive variant is available.

BKG DUMBWAITERS

Bespoke Dumbwaiters

BESPOKE SUSPENDED TRACTION DRIVE DUMBWAITER

Capacity	Model	Speed m/s	No. of Ropes	Car Width Min / Max mm	Car Depth Min / Max mm	Car Height Min / Max mm	Door Level	Loading Arrangement	Shaft Width mm	Shaft Depth mm	Car Height <=800mm Headroom (Serving Height + Car or Door Height +) mm	Car Height <=800mm Headroom (Serving Height + Car or Door Height +) mm	Pit Mm
50kg	50.45/0/0	0.45	3	400 600	400 600	600 800	Service	S/T-C	320	180	1900	N/A	No Pit
50kg	50.45/7	0.45	3	400 600	500 600	600 800	Service	Adjacent	320	240	1900***	N/A	No Pit
100kg	100.45/0	0.45	3	400 800	400 800	600 800	Service	S/T-C	320	180	1900***	N/A	No Pit
100kg	100.45/1	0.45	3	400 1000	500 1000	600 1200	Service	S/T-C	320	180	1900***	790	No Pit
100kg	100.45/7	0.45	3	400 1000	500 1000	600 1200	Service	Adjacent	320	240	1900***	790***	No Pit
100kg	100.30/2	0.30	3	400 1000	600 1000	800 1200	Floor	S/T-C	320	180	1900	790	130
250kg	300.30/14	0.30	5	400 1000	700 1000	800 1200	Service	S/T-C	320	180	1900	790	No Pit
250kg	300.30/15	0.30	5	400 1000	800 1000	800 1200	Service	S/T-C	320	180	1300	790	130

BESPOKE DIRECT SUSPENDED CHAIN DRIVE DUMBWAITER

Capacity	Model	Speed m/s	No. of Chains	Car Width Min / Max mm	Car Depth Min / Max mm	Car Height Min / Max mm	Door Level	Loading Arrangement	Shaft Width mm	Shaft Depth mm	Car Height <=800mm Headroom (Serving Height + Car or Door Height +) mm	Car Height <=800mm Headroom (Serving Height + Car or Door Height +) mm	Pit Mm
100kg	100.45/3	0.45	2	300 600	320 350	600 800	Service	S/T-C	320	180	1900	N/A	No Pit
100kg	100.45/8	0.45	2	400 800	500 800	600 800	Service	Adjacent	320	180	1900***	N/A	No Pit
100kg	100.45/6	0.45	2	400 900	500 1000	600 800	Service	Adjacent	320	180	1900***	790	No Pit

* Car width and depth variable in increments of 50mm. Car height variable in increments of 100mm.

*** This dimension will increase if upper floor landing door is on adjacent side of lift.

Note: Car entrance protection, safety gears for car or counterweight, special models and options are all available on request. Car doors may change Minimum Car dimensions and Headroom and Pit requirements. Always check with D.K Lift Services. All service level dumbwaiters have a minimum serving height of 700mm.

BKG SPECIAL PRODUCTS

Document Lifts

Where there is a requirement to move paperwork between floors, there is no need to install a full-fledged dumbwaiter that can handle upwards of 50kg.

BKG offer two small capacity service level dumbwaiters specially designed for documents and other very light and non-bulky items.

Although rated at 5kg and 20kg with the drive at the bottom of the shaft, BKG Document Lifts are in every other respect just like their big brothers. They come complete with their own galvanized steel structure and have easy to use small hinged landing doors and just like the larger models are produced to comply with the European Standard EN81-3:2000.

Capacity	Model	Speed m/s	No. of Ropes	Car Width mm	Car Depth mm	Car Height mm	Minimum Sill Height at First Floor mm	Loading Arrangement	Shaft Width mm	Shaft Depth mm	Headroom = Sill Height at Top Floor + mm	Pit Mm
5kg	5.35/38	0.35	2	250 or 350	310	500	860	Single or Through	290	420	670	No Pit Required
20kg	20.35/38	0.35	2	250 or 350	500	500	8	Single or Through	290	610	670	No Pit Required

Minimum sill height at all floors other than first is 700mm.

BKG SPECIAL PRODUCTS

Low Headroom Situations

Dumbwaiter for Low Headroom Situations has been designed for buildings where the headroom at upper floor is insufficient to accommodate a conventional top drive lift. The double chain drive lift has the winding unit placed at the bottom of the lift shaft under car within a separate machine area. The access door is normally located under the serving sill. The lift occupies the same shaft plan size as a conventional top drive lift, with the only stipulation that the sill height at the bottom floor serviced has to be a minimum of 900mm.

Standard specification and specification variables are the equivalent (or the same) as the conventional bespoke dumbwaiters. Like all other BKG Service lifts from Shorts, this 100.45/41 model complies with the European Standard EN81-3: 2000.

Capacity	Model	Speed m/s	No. of Chains	Car Width Min / Max mm	Car Depth Min / Max mm	Car Height Min / Max mm	Door Level	Loading Arrangement	Shaft Width mm	Shaft Depth mm	Headroom = Serving Height + (1.5 x Car Height) + mm	Pit Mm
100kg	100.45/41	0.30	2	500 800	500 1000	700 1200	Service	Single or Through	320	180	250	No Pit

The minimum car height (ch) = car width (cw) + 200mm.

Adjacent entrances, machine room access door on adjacent wall opposite guides available as an option. Car entrance protection, safety gear for car, special models and options are all available on request.

Safety gear model requires additional shaft width & headroom.

Car doors will reduce internal car size, always check with Shorts.

Larger car options may reduce running speed, always check with Shorts.

All service level dumbwaiters have a minimum serving height of 700mm.



BKG SPECIAL PRODUCTS Under-bar Service Lift

This specialised 100kg 2-stop low headroom lift is ideal for bars, pubs and restaurants. It is effectively a serving height lift at the bottom floor (often the cellar), with a bi-parting door arrangement, but turns into a hinged door floor loading lift at its top floor. The use of a low level winding unit arrangement means that the top floor entrance will fit unobtrusively under any counter or bar.

STANDARD SPECIFICATIONS

CAPACITY

100kg

FLOORS

2 or 3 stops with variable travel
(additional stops on request)

DRIVE SYSTEM

High efficiency chain and sprocket drive unit at the base of the lift

SPEED

0.45 m/s

POWER REQUIREMENT

400V 3 Phase or 240V 1 Phase

ARRANGEMENTS

Single or through entry

STRUCTURE

- Galvanised steel structure with polyurethane buffers
- Lockable machine access door

CAR

600mm x 500mm x 700mm (W x D x H)
Zintec finish with floor and mid-shelf in
Stainless Steel

LANDING DOORS

- Vertical Bi-parting doors at bottom / mid-landing
- Hinged door at top landing
- Zintec finish
- Safety locks fitted

CONTROL SYSTEM

- Microprocessor controller within lockable cubicle positioned outside of lift shaft at lowest level
- Automatic push button landing stations

BKG SPECIAL PRODUCTS

Under-bar Service Lift

ELECTRICAL

- Pit stop switch
- Additional auxiliary main contactor
- Phase failure reversal relay
- Landing push stations complete with car position indicator, lift in use indicator and door open signal
- Lift in use indicators
- Lift arrival buzzers
- Anti-quick-reversal
- Overtravel timer
- Hand lamp
- Light and socket within machine compartment
- Wiring in loom form

GENERAL

- Full set of warning notices
- User manual
- Comprehensive installer instructions

- Comprehensive UK style layout drawings and wiring diagrams
- Compliance with EC Machinery Regulations 2006/42/EC and EN81-3:2000
- Carries the "CE" Mark

OPTIONAL FEATURES

- Single phase drive unit
- Other non-standard car sizes
- Stainless Steel finishes to car, landings and machine access door
- Fire rating to landings and machine access door
- Diagonal drop bar for car entrance protection complete with electrical contact
- Load guard baffles
- Shaft cladding in choice of primed steel, zintec, galvanised steel, stainless steel or plastic coated steel panels

Capacity	Model	Speed m/s	Car Width Min / Max mm	Car Depth Min / Max mm	Car Height Min / Max mm	Vertical Bi-parting Door	Loading Arrange- ment	Hinged Door	Chain and Sprocket Drive Location	Shaft Width mm	Shaft Depth mm	Minimum Headroom mm	Pit Mm
100kg	100.45/48	0.30	600	500	700	Bottom / Middle Floor	Through	Top Floor	At Base	970	680	1000	No Pit

Car entrance protection, safety gears for car or counterweight are available on request.
Car doors may change minimum car dimensions and headroom pit requirements. Always check with Shorts.



D.K Lift Services Ltd
Unit 2, Victoria Industrial Park
Dartford, DA1 5AJ

Telephone: 0203 633 8129
Email: info@dkliftservices.co.uk

www.dkliftservices.co.uk