

Material Handling and Storage Equipment

Roll-Out Shelf Racks

Drawer Racks

Sheet Racks

Bar Storage Unit

Cantilever Racks





History

Karl H. Bartels GmbH was founded 1948 in Hamburg – Schenefeld by Karl Heinrich Bartels. At the beginning in a small workshop only simple manual transporting devices were being produced. In the course of the years Karl Heinrich grew into becoming a specialist of transporting and storing techniques. Due to our persisting will to innovate and our customer orientation, we have become one of the leading companies in this field.

Our core competence lays clearly in custom design. There is no rack we cannot build nor is there a rack we cannot deliver from our selected commercial products.

Due to our flexibility and long years of experience, we are in the position to find fast und uncomplicated solutions to meet any kind of customers demand. From the construction of a tricky storage system, space saving storing racks for heavy and long goods up to conversion of standard commercial products – we offer you a solution for almost anything!

Our Motto is

Custom design is our standard performance

We do not only develop and produce custom designed products, but also offer conceptual planning and maintenance of these goods. In addition we have continuously expanded our range of commercial products, to offer our customers “everything from one source”. This has made us an “all around provider” of transporting devices and storage equipment.

Another milestone to customer's proximity has been achieved after moving to the outskirts of Hamburg in a new office building and production site. First of all, you as a customer gain, not least because of optimising our production we lower costs and can make reasonable prices for you!





Philosophy

For us customer orientation means a maximum on flexibility and willingness to learn. We find solutions to our customers' problems. Hereby we focus on their opinion and pass it on to our employees.

The companies founder Karl H. Bartels determined this philosophy, and we still live it today.

Thanks to our strong customer orientation, we have become specialists throughout the years, and in the meantime custom design is standard procedure for us.

We can produce small number of pieces to moderate prices.

Our goal is to offer you a pleasant, good informed and reliable purchase

Quality

Getting annoyed of insufficient quality holds on longer than the short happiness of a good deal. That is why highly rated quality is important to us. Since 1996 we have been certified by DIN EN ISO 9001:2000. So this guarantees you the highest possible quality and service.

Many products we offer are produced by us. We demand the same high quality on the commercial products as we do ours, before they are sent to our customers. Bartels products guarantee high quality and a long life span. Long life span guarantees less waste, less recycling. We consider the resources of our earth.

We have a highly qualified and experienced team working for us. Modern manufacturing equipment and many years of know-how ensures high quality standard. We are constantly improving our processes and sequences which enables us to meet the economic demands of our customers, to manufacture market orientated technologic high class products.

Our distribution network of outdoor salesman makes sure that our customers are served in the best possible manner.

A country wide network of mechanics ensures a customer orientated service, which means short distances and best possible maintenance of your devices.

Constant training and schooling of our employees is fundamental for our success.

Roll-Out Shelf Rack

loading by crane

BARTELS

Loading lengthy goods in narrow spaces!



Gain more space in narrow warehouses

Shelf 100% extractable

Roll in and roll out of shelf arms made narrow aisles possible

Quick and direct access

Safe because of flexible loading by means of a crane system

High load capacity

Excess lengths are no problem



Non-standard performances are standard for us

Roll-Out Shelf Rack

up to 2,600 kg per work arm

BARTELS

Intralogistics



Design

Specially torsion-free and rigid construction. All moving parts are mounted on roller bearings. The individual structures (two control masts and two rack structures) are completely welded and assembled units. Being cross-toothed, the driveshaft has a non-slip surface providing a good grip in order to ensure controlled rotary and roll off movements of the pushing arm even under load. Color: Structure blue RAL 5012, Roll-out arms red RAL 2002. Special varnishing is also possible.

Principle

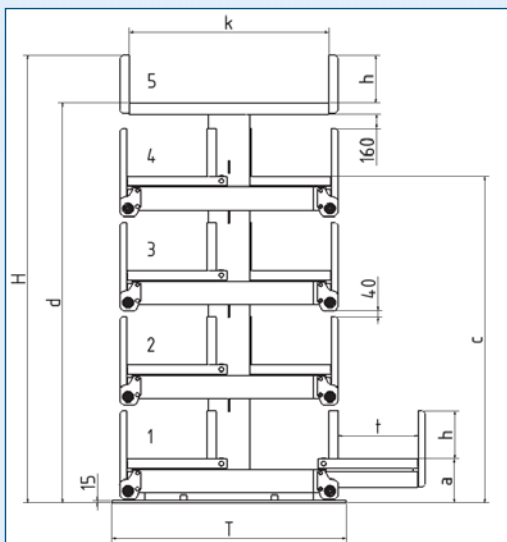
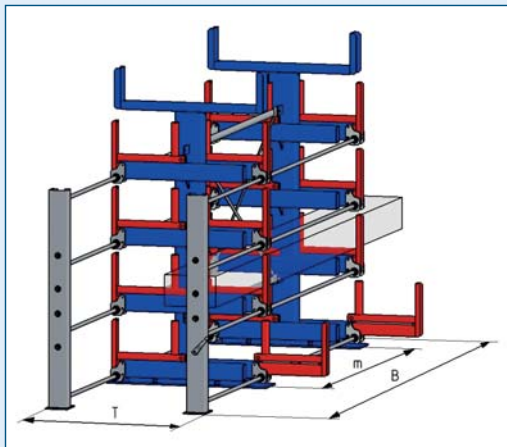
A crank turning a spindle rolls out each rack arm. Rolling out is carried out in a controlled manner and is limited by the depth of the arm. The ratio of spindle shaft to crank rotation is 2.36 : 1.

With a full load of 5,000 kg, an initial crank force of approx. 15 kg may be required; once in motion, only little force is needed.

Each rack unit consists of at least two base structures, longitudinal binders and control mast for each rack side. Depending on the type of lengthy goods, several base structures can be implemented for each rack at a customer-specific spacing.

Storing the goods on very high shelves is possible with the help of e.g. platform ladders or lifts.

Residual lengths can be stacked with supporting pallet or shelf arm spacing is set as required.



Rack examples

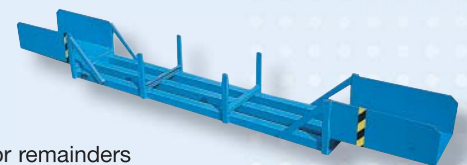
Load capacity per shelf arm	kg	1600	2600
Load capacity per rack	kg	3200	5200
Shelf dim.: rated depth (standard)	mm	500	500
rated height	mm	300	300
Shelf levels (incl. roof shelf)	Stück	2 x 5	2 x 5
Overall rack length	mm	5287	5327
Rack width (-depth)	mm	1409	1469
Rack height (overall)	mm	2641	2813
Height: 1st shelf (above floor)	mm	253	276
Upper Level (height above floor)	mm	1882	2052
Roof shelf (height above floor)	mm	2341	2513
distance between supporting frames	mm	3000	3000
material length	mm	6000	6000
Order-No.		126.052	126.051
Safety flaps for crank journals	Order-No.	126.066	

Other capacities and measures are possible - please request!

Accessories:

Supporting pallet or metal trays

For especially flexible lengthy good or remainders
Stays in the rack as hook-in floor
Suitable for stacking and unstacking



Shelf dividers

Add-on shelf dividers to provide optimal storage goods.



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Cassette type drawer shelf

BARTELS

Loadable by crane from the front and the face sides

100% extension

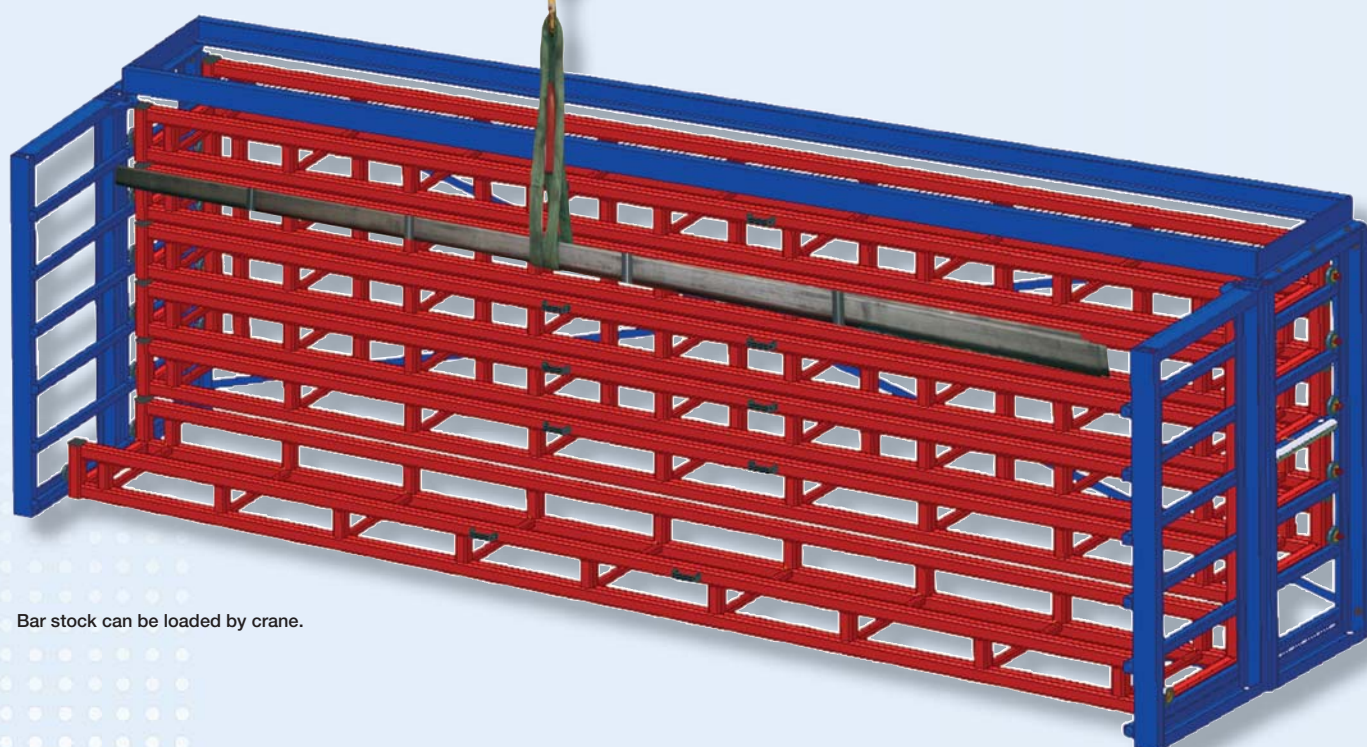
Direct access - no restacking
required

Incredibly space saving due to
the pivoting projection

Ideal for machine lines

Clearly arranged even with diffe-
rent lengths, sorts and rest pieces

Optionally extendable



Bar stock can be loaded by crane.

Non-standard performances are standard for us

Cassette type drawer shelf

for loading by crane

BARTELS

Intralogistics



Cassette type drawer shelf

for loading by crane

- direct access - no restacking required as for bar stock pallets
- incredibly space saving due to low construction height and pivoting projection
- Ideal for machine lines
- for bar stock up to 6000 mm and 12 t
- also suitable for rest pieces
- clearly arranged, even with different types of bar stock
- flexible use due to 3-way operation (front and 2 face sides)
- light moving cassettes running in ball bearing guides

Design: very stable, torsion resistant steel structure. Bolted carrying frame to take up 6 welded bar stock cassettes. The supplied roll-off roller is simply plugged into the open structure to ease the removal of material from the face side. Loading: 6 cassettes with a load bearing capacity of 2000 kg above one another. Colour: Frame blue RAL 5012, cassettes red RAL 2002. Roll-off roller included in scope of delivery.

Special paint finish in any RAL-colour possible at extra cost - please enquire.

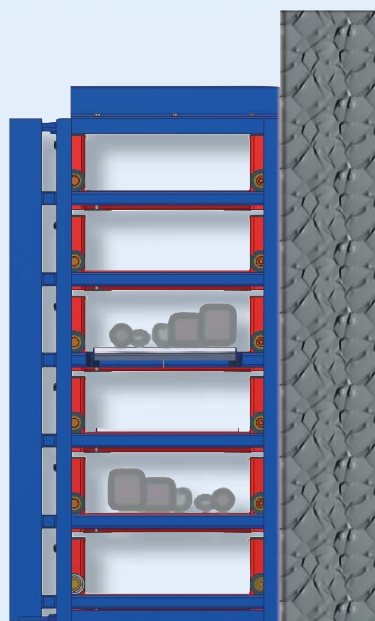
On request: attachable shelf partition - please enquire!

Please note: Floor anchorage required.

	model	KSR
	Order-No.	126.110
Total loading capacity	kg	12000
Loading capacity / shelf	kg	2000
Loading capacity / shelf	pc.	6
Overall dimensions W x D x H, pivoted projection closed	mm	6610 x 990 x 1970
Overall dimensions W x D x H, pivoted projection open	mm	6610 x 1720 x 1970
Inside cassette dimensions W x D x H	mm	6200 x 600 x 200

Space saving with folded projection

On request: Special designs possible - please consult our free-of-charge field service.



Space saving directly against the wall - bar stock can be easily removed from the face side via roller.

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Bar Storage Unit

BARTELS

**Completely
extractable
loading**



Ideal for small warehouses

Tidy in low storage areas

Very space-saving and clearly arranged

Quick operation with grabs or stacker

Easy handling from the front side

Low investment costs

Easily extractable system

Design with two alternatives



Non-standard performances are standard for us

Bar Storage Unit

1,000 kg capacity per rack

BARTELS

Intralogistics



Hang in hydraulic grab on to the section rack, lift and pull.

Design with two alternatives

Solid steel construction

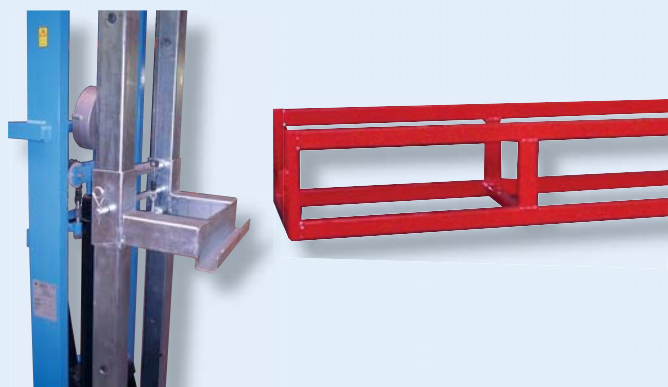
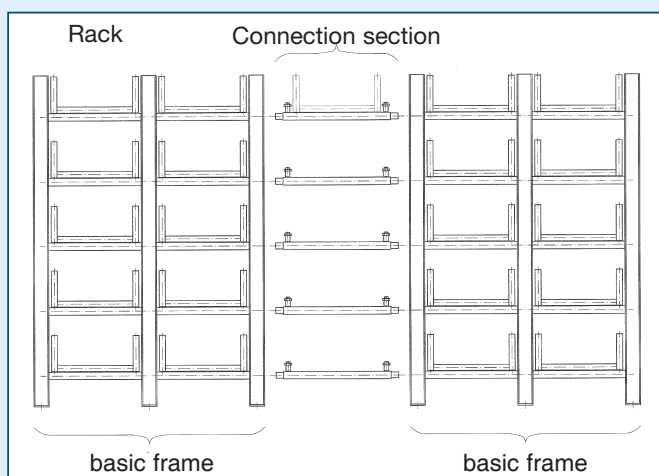
The base rack consists of two welded parts with e.g. 2 x 5 shelves to hold altogether 10 racks or trolleys. The connecting section is made of a pair of crossbars, which are attached to the frame of the next unit.

Color: frame blue RAL 5012, racks red RAL 2002. Special varnishing is possible with all RAL-colors– please ask for further information!

Operation

The racks are grabbed by the leading edge at the front side, lifted approx. 20 mm with a hydraulic system and the loading pulled out to 100%. The back end of each rack is provided with ball bearing flange wheels.

Possible Construction



Other partitioning, dimensions or designs are possible - please request!

rack examples:	Order-No.
base shelf with 2 shelves and each 5 rack sections outside measure: W x D x H 1640 x 6587 x 2190 (without racks)	124.010
support for highest rack: 2040 mm over floor	
connection section for 5 section racks	124.020
racks with 2 ball bearing flange wheels capacity 1000 kg inside width W x D x H 500 x 6000 x 300 mm	124.036
Accessories:	
hydraulic grab with special rack uptake	124.001
adapter for fork lift details of customer fork lift required	124.003



Racks with two ball bearing flange wheels



Racks incl. trolley with four ball bearing flange wheels

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Drawer Rack for lengthy loads

BARTELS

Long loads in narrow spaces

Space saving, can be placed directly near the wall

2/3 extendable drawer with up to 1000 kg loading capacity per drawer

Easy identification and quick retrieval of goods

Simple and easy handling

Solid welded trays for optimal support of materials

Compact storing by crane or forklift



Model 4 + 1
extractable shelves and fixed roof shelf



Non-standard performances are standard for us

Drawer Rack for lengthy loads

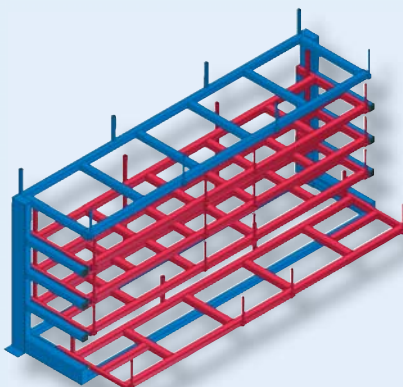
BARTELS

Intralogistics



model SRL 4+1

Optional custom made measurements and other number of drawers possible! - Other RAL colors also available upon request.



Design

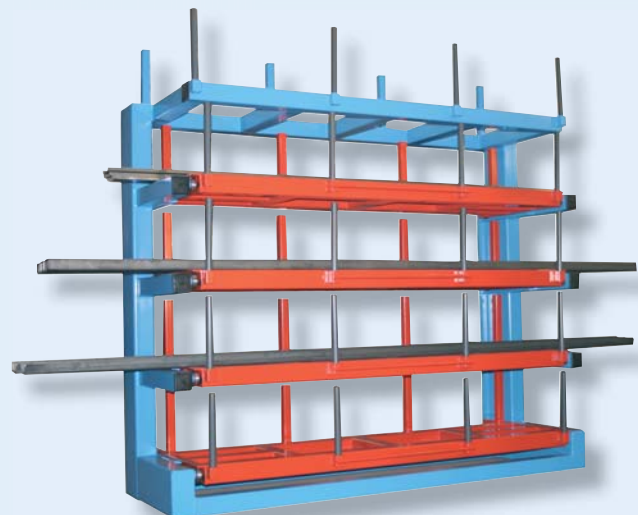
Solid steel construction, about 2/3 extractable drawers with inter-lock, double ball bearing guides, top drawer is a fixed roof selve and not extractable. Color: upright frame blue RAL 5012, drawers red RAL 2002. The drawer rack is delivered completely mounted.

Principle:

This single sided drawer rack offers optimal space saving storage of long length of material and steel bars. Insertable stacks as well as welded stops prevent loads from slipping off the drawer. Each drawer has a grip to easily extract loads.

Options from front to rear supports or solid trays available - please request.

A floor anchor is necessary.



Rack examples

Model SRL	(2/3-extractable)	SRL 3 + 1	SRL 4 + 1
loading capacity / level	kg	1000	1000
shelves	pc.	3+fixed roof shelf	4+fixed roof shelf
shelf measurements	W x D mm	4000 x 800	4000 x 800
usable shelf height	mm	300	300
extraction	mm	483	483
rack width	mm	4216	4216
rack depth	mm	1072	1072
rack depth extended	mm	1600	1600
height	mm	1754	2169
first level height	mm	1442	1457
dead weight	kg	880	1000
order-no.		126.401	126.402

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Drawer Rack

loading by crane

BARTELS

**Completely
extractable for
heavy sheet
metal!**



Ideal for loading and removing with a crane or a stacker

Safe handling of delicate sheet metal

High loading capacity up to 3,000 kg

Smooth roll mechanism on flange wheels

Shoot bolt of every single drawer

Also available with an adjustable stem



with hinged extension

Non-standard performances are standard for us

Drawer Rack

up to 3,000 kg per drawer

BARTELS

Intralogistics



Power transmission per crank:
Easy extension of racks, advised
from 2,000 kg - please ask for
more information.



Design

Solid steel construction, drawers incl. plastic side stakes, running on flange wheels.

Standard construction: 8 extractable drawer levels plus one fixed roof shelf. Shelf height is also available in different versions. Color: frame blue RAL 5012, drawers red RAL 2002, plastic side stakes of drawers graphit grey RAL 7024. Special colors possible.

Principle

Optimal for loading and unloading with a crane or a stacker, as drawers are fully extractable.

Available with fixed or hinged extension that saves space and provides room in the aisles in front of the racks.

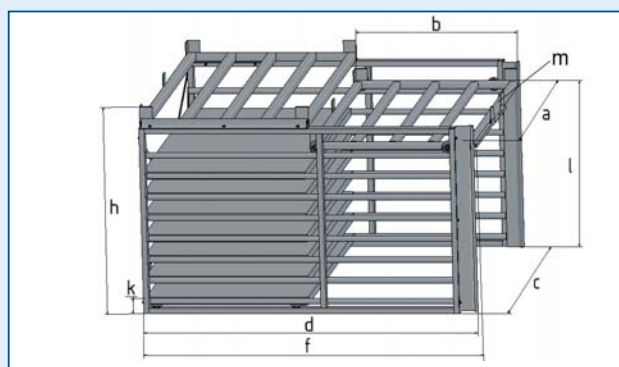
Drawers can be secured with a shoot bolt.

Standard capacity of 2,000 kg per rack, 3,000 kg possible upon request.

Rack examples

model	for sheet sizes L x B mm	levels (extractable + fixed top)	loading capacity /level kg	flat floor Order-No.	floor with spacers Order-No.
with fixed extension					
SRB 20/2	2000 x 1000	8 + 1	2000	126.275	126.276
with hinged extension					
SRB 20/2	2000 x 1000	8 + 1	2000	126.277	126.278
SRB 25/2	2500 x 1250	8 + 1	2000	126.281	126.282
SRB 30/2	3000 x 1500	8 + 1	2000	126.285	126.286

design	for sheet sizes mm	capacity / level kg	a mm	b mm	c mm	d mm	d (with folded exten- sion) mm	f mm	h mm	k mm	l mm	m mm
with fixed extension												
SRB 20/2	2000 x 1000	2000	2054	1032	2441	2147	-	2201	1980	200	1600	125
with hinged extension												
SRB 20/2	2000 x 1000	2000	2054	1032	2441	2147	1416	2201	1980	200	1600	125
SRB 25/2	2500 x 1250	2000	2554	1282	2941	2647	1666	2701	1980	200	1600	125
SRB 30/2	3000 x 1500	2000	3054	1532	3441	3147	1916	3201	1970	210	1610	115



- a - rack width
- b - rack depth
- c - total width
- d - total depth
- f - depth by extended rack
- h - total height
- k - lowest level height
- l - highest level height
- m - inside rack height

We build drawer racks for you according to your requirements
- also with different width, depth, number of floors, double-
sided extractable drawers for back loading, and so on ...

Capacity up to 5,000 kg per rack possible - please request.

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Quickly store your sheet material!



Necessary material directly to place at the work bench

Complex storing of sheet material

Easy to remove with the fork lift

Multiply your storing space

Individually stackable one on the other

Endlessly expandable system



Non-standard performances are standard for us

Flat Pallet Storage Rack

2000 kg capacity per storage tray

BARTELS

Intralogistics



Integrated fork pockets

Flat Pallet Storage Rack

- centrally stored sheet material, completely extractable
- neatly and sparing arranged in narrow spaces
- storing in racks provides direct access at any time
- sheet material can be used directly besides the work bench because of the complete extraction of the loaded flat pallet
- pallets can be stored or stacked as well as inside or outside the storage rack - with or without loads
- optional fork pockets inside the frame for optimal usable height.

Design

Solid welded steel construction. Flat pallets lay on brackets and can therefore be moved separately. The pallets have to be extracted and transported with a fork lift. In front and besides the pallets there are plastic stanchions colored in graphit-grey RAL 7024. In the back there are fixed stoppers to keep the storing goods from falling out. The corner posts of the pallets are constructed in such a way, that the pallets can be stored outside the steel frame and can be stacked fully loaded one atop of the other.

Delivery mounted, floor anchor necessary!

Fork pocket dual space : 850 mm;

light pocket width: 148 x 68 mm;

capacity per pallet up to 2000 kg;

Pallets are 6-times stackable (6 pallets one atop of the other);

Color: frame blue RAL 5012; pallets red RAL 2002.

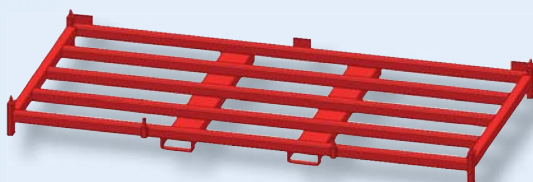
Tell us what you want to store and we will design racks or complete a rack system to suit your needs.

with inside fork pockets

model	order-no.	over all measurements W x D x H	usable measurements of pallets
		mm	mm
KF	124.101	2436 x 1100 x 2158	2050 x 1050 x 130
MF	124.102	2936 x 1350 x 1918	2550 x 1300 x 90
GF	124.103	3436 x 1600 x 1738	3050 x 1560 x 60

with fork pockets underneath the pallet

model	order-no.	over all measurements W x D x H	usable measurements of pallets
		mm	mm
KF	124.111	2436 x 1100 x 2590	2050 x 1050 x 130
MF	124.112	2936 x 1350 x 2350	2550 x 1300 x 90
GF	124.113	3436 x 1600 x 2230	3050 x 1550 x 60



Design with fork pockets underneath the pallet.



Ideal combination of a drawer rack for metal sheets.

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Depalettiser

for sheet metal packets up to 3000 kg

BARTELS

A rapid separation of sheet metal packets from pallets



Individually adjustable to any
pallet format

Take-up stands also deployable
as individual assembly stands

Can be positioned together for
saving space when not in use

4 steering rollers per take-up
stand ensure mobility

Can also be driven under load

Non-standard performances are standard for us



Removable stanchion storage points

Deployable as individual assembly stands

Design

The Depalettiser is comprised of two take-up stands, which are coupled together by means a connecting arm. The robust, steel welded structure is outfitted with 4 steering casters per take-up stand, as well as with two total-arresting devices. Wheels: free-running polyamide wheels, optionally with polyurethane tread, are elastic and low-noise producing.

Functional operation

The take-up stands are coupled together into one unit by the connecting arm. Thereby, the separation distance is determined according to pallet dimensions. The stanchions are removed from their storage positions, inserted into their working positions, and can be shifted accordingly on their respective take-up stand to fit through the gaps in the pallet. After being loosened, the wood pallet falls onto the support blocks. The freed sheet metal packet now lies on the removable stanchions. It can now be easily taken up and transported by means of a forklift or crane. .

Precise in detail

As a space-saving feature, the connecting arm between the two take-up stands is stored directly in the take-up stand. In this manner, it is always on-hand and won't be misplaced. The locking pin for affixing the connecting arm is outfitted with axial locking to prevent it from slipping out during shifting. Removable stanchion storage points are provided for within the free-wheeling stands so that they are readily available, even when being stored if not in use..



Locking pin with axial lock.



Space-saving storage of the connecting arm when not in use.



A Depalettiser is created from two assembly stands through the connecting arm and removable stanchions.

Load limit per take-up stand	kg	1500
Measurements W x D x H	mm	1000 x 510 x 865
Height with removable stanchions	mm	+ 260
Material measurements:		
Min. dimensions	mm	200 x 600
Max. dimensions	mm	3000 x 1500 depending on the flexibility of the material being unloaded
Order-No.		124.201

Sheet Rack for Metal Sheets

BARTELS

Ideal for storing residuals



Storing of different sizes possible

Easy to take out due to simple sorting system

Vertical storing of plate materials

Space-saving handling of delicate metal sheets

Especially sparing with high-quality metal sheets

No paper interlayer necessary



Every drawer is fully extractable.

Non-standard performances are standard for us

Sheet Rack for Metal Sheets

BARTELS

Intralogistics



Ideal for storing residuals



Standard version left inclined with five drawers



Upper rack support



bent metal base plate

Design

Suitable for metal sheet sizes up to max. 3,000 x 1,500 mm

Solid steel construction, drawers separately extractable, plates can also be rolled back from rear part, base made of waterproof plywood, walls with plastic plating for different table formats. Exact guidance of the drawer, upper shelf arms mounted on roller bearings, safe through foot protection. Color: blue RAL 5012, extractable racks color red RAL 2002.

Principle

The vertical sheet racks offers ideal space-saving storing of plate material such as metal sheets, wood plates, plastic sheets etc.

Synthetic material ensures sparing storage especially of high-quality metal sheets, e.g. stainless steel, aluminum, NE metals

Vertical handling excludes danger of damaging the surface of delicate metal sheets - no paper interlayer necessary.

Different formats can be stored in one shelf and can be taken out easily due to a sorting system.

Design is possible as a left or right inclined version for optimal fulfilling your store necessities. Please inform us when ordering.

Special sizes upon request!

Rack example:

	Model	GF 5
	Order-No.	130.026
Suitable for formats L x W	mm	3000 x 1500
Capacity per rack	kg	700
Dimensions L x W x H	mm	3755 x 1347 x 1828
Number of racks	St.	5
Depth of rack	mm	3000
Width of rack	mm	90
Height of rack	mm	1500



Easy handling and take out due to sorting system

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Drawer Rack for Heavy Weight Material *flex*

BARTELS

Boltless shelving for heavy loads



variable boltless shelving

Interlock and individual protection of each drawer

2/3 extractable with up to 1000 kg loading capacity per shelf

Endlessly expandable with extension racks

The height of shelves can be individually adjusted

Easy identification and quick retrieval of goods

Simple and easy handling

Good running quality of shelves due to ball bearing guide

Compact storing by crane or forklift



Non-standard performances are standard for us

Drawer Rack for Heavy Weight Material *flex*

BARTELS



Intralogistics



Interlock

Model SSR *flex* basic rack

Design

The basic rack has a total 7500 kg loading capacity consisting of two upright frames from pallet rack components.

Each shelf is consisting of an upper and lower guide and two traverse guide arms with beam-to-column connectors to hang in drawers. The beam-to-column connectors have to be fixed to the upright frames with a security pin. Each frame is punched in 50 mm distance to individually adjust each shelf in height. Minimum height of each shelf: 150 mm.

Interlock that locks all other shelves in when one shelf is rolled out, as per reg. UVV BGR 234 (former ZH 1/428).

Add on rack: same as basic rack, but with just one upright frame.

Colour: Upright frame galvanized, drawer: red RAL 2002, available in all RAL colours upon request!

Detailed specials:

This heavy weight material rack is ideal for space saving storage of pallets, big tools or heavy loads.

The metal base is offered for space saving storage for even small parts, tools or boxes. Naturally, any other base material possible-please request!

Each drawer is easy to adjust in height due to punched frame to meet the ever changing storage requirements.

Each drawer is 2/3 extractable.

Floor anchor is necessary.

Optional custom made measurements and other number of shelves possible!



Beam to column and drawers with ball bearing guides.



Interlock - only one drawer extractable at a time.



Individual drawer roll-out protection and grip for easy extracting.

Rack examples

Type	SR Flex (2/3-extendable)	basic rack	add on rack
capacity per shelf	kg	1000	1000
shelf measures	width x depth mm	1000 x 1200	1000 x 1200
number of shelves	pc.	4	4
rack height	mm	2200	2200
usable shelf height	mm	310	310
extension	mm	780	780
rack width	mm	1270	1165
rack depth	mm	1277	1277
dead weight	kg	185	170
	order-no.	126.101	126.102
Roof shelf	order-no.	126.103	

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Optimal Unwinding of Goods on Barrels



**Extremely easy unwinding
and lifting goods on barrels**

**Strength saving handling on
construction sites**

**Handling and transportation
of cables, chains, ropes etc.**

**All-round and easy handling
of goods bundled and on
barrels**

**Put together in three pieces
makes it space saving**

**Ideal for work shops, pro-
duction plants, construction
sites**

**No service or maintenance
costs**



Custom Design is our Standard Performance

Unwinding Device

for weights up to 650 kg

BARTELS

transporting storing stacking



Design

Solid steel construction, welded frame with adjustable eccentric hanging suspension mounting, hinged frame and hook guard. The adjustable hanging suspension allows a variety of axis adjustments. So you can find the optimal position when working with barrels. This enables the user to pick up the barrels to move them to another position without big effort.

Function

To unwind a barrel, first the axis of the unwinding device is lead through the axis of the barrel. Then the barrel can be move to an optimal position in accordance to the dimension of the barrel. By doing this two equal tappets arise, these can be mounted to the axis to close firmly with the barrel. Now the user can roll the barrel over the floor into working position.

This elevates the eccentric hanging suspension of the unwinding device. Easy unwinding is now possible.

The user never needs to manually pick up a full barrel.

capacity / pair	kg	600
overall measurement	Ø mm	800
measurement of winding goods	Ø mm	300 - 1000
overall barrel measurement	until approx. Ø mm	1200
dead weight	total ca. kg	35
	frames each kg	15
	Order-No.	116.200



Using one side of the frame enables usage for any other batches in horizontal bundles.

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Self-Tipping Carriage

BARTELS

**Quickly tipped
directly from the
stacker**



Empties itself

Erects itself

Self-acting lock

**No physical effort
required**

Secure handling

**On pallet with fork
pocket**

**Mobile with swivel and
fixed castors**

**For lever pallet lifter
usage**



Non-standard performances are standard for us

Self-Tipping Carriage

up to 2,000 litres content

BARTELS

Intralogistics



3 designs alternatives:

- on pallet
- with two swivel and fixed castors
- for lever pallet lifter usage

Advantages:

- easy - secure - quick - no physical effort necessary
- automatic tipping and emptying after unlocking
- goes automatically back to starting position
- automatic self-locking

Design: solid base frame made of U-beam; hutch of sheet metal with strengthen border, 2 - 3 mm thick, inside completely welded. Hutch: blue varnish RAL 5012. frame: red RAL 2002.

Optionally: ● galvanised or V2A - please ask!
● absolute liquid tightness (see accessories)

Upon request we can also offer further dimensions, volumes or designs – please ask!!

Automatic activation:

Tipping easily even from high up, no need of linkage or something comparable. The operator does not have to leave the stacker; the activator of the self tipping carriage is just to be pushed against a solid edge – e.g. of the container – and tipping process is automatically activated; after emptying the self-tipping carriage automatically locks itself again, automatic, vertical parts butt at the edge and activate the tipping process. The expediently attached automatic activation also enables tipping far into the catching device and not only emptying at the edge.



lid, semi hinged cover



valve

Various accessories:

Automatic unlocking

Liquid tight welded

Lid half-folding with grip and locked clamps

Ball valve 1/2" and removable filter at the bottom, as well as liquid tight welded

In different colors as for containers for recyclable materials

Extremely low overall height of only 552 mm, optimal use under pressures, drill machines, lathes etc..

Special designs and vanishing are possible - please request!

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Jacks + Roller Plates

BARTELS

**Pulling easier
than pushing!!**



Economic on four wheels

Space-saving on two wheels

**Mobile due to great maximum
angle of turn**

**Secure due to solid bolting
device**

**No accidental leaping up of
towing bar**

Non-standard performances are standard for us

Jacks + Roller Plates

up to 5,000 kg capacity

BARTELS

Intralogistics



Design

Solid steel construction, loading capacity of the rolling plate to be able to pull up to 5,000 kg. Wheels made of solid rubber or vulcollan. Available with and without brakes. Very secure, as towing bars do not leap up accidentally. Wooden rolling plate bordered in angle steel or U-steel frame, welded fittings, mounted on roller bearings, from 5,000 kg vulkollan ball bearing wheels.

Principle

Firm bolting between lever pallet lifter and rolling plate. Disc brake for a secure use in slope sections on demand. Space-saving shunting at narrow places due to the possibility of fixing the towing bar.



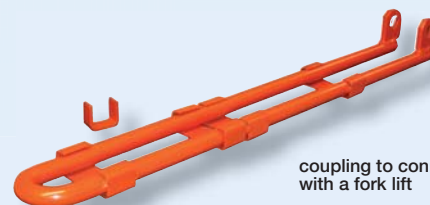
When pulling loads over 3,000 kg please use electric pallet truck, Bartels catalogue 2007, page 134.

custom designed roller plate galvanized, with jack roller HR IV



standard roller plate with steel frame

Upon request also available with coupling to hitch up to the towing vehicle on demand.



coupling to connect with a fork lift



with coupling connected to fork lift



roller plate custom designed version

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Climber-Coolie Speezy automatically nevellling

**Continuously horizontal ...
... when transporting
copiers,
refrigerators,
(even aquariums)
a.s.o.**



**Keeps loading platform
continuously horizontal**

**Automatically starts clim-
bing when reaching the
stairs**

Detachable loading ramp

**It only takes approx. one
minute for one level,
downstairs even quicker**

**Safely balanced on two
crawlers**

Climber-Coolie Speezy 200

BARTELS

transporting storing stacking

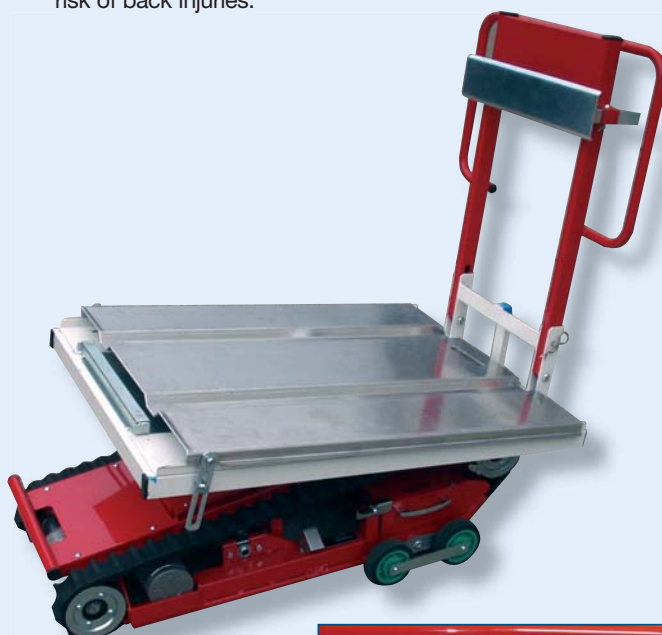


detachable
loading ramp

Climber-Coolie Speezy 200

automatic levelling function especially for copying machines and the like

- tandem wheels allows easy moving over plain surfaces
- high battery capacity ensures often use and long distances
- foldable for easy transport
- even just one person alone can handle heavy loads without any risk of back injuries.

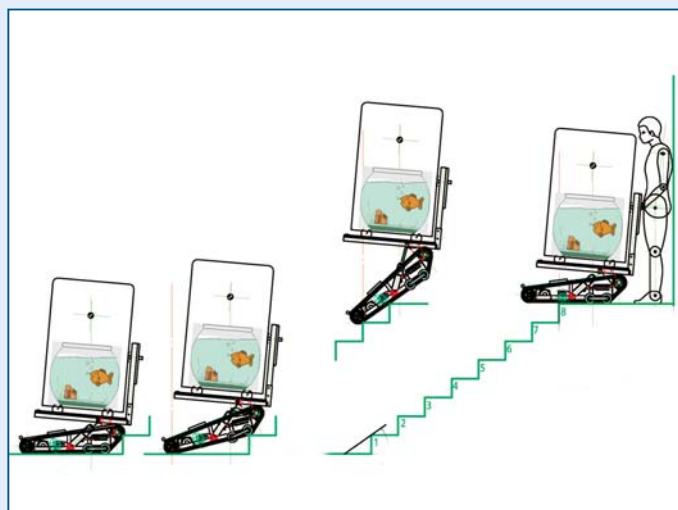


clear control panel



When folded, only little
space needed

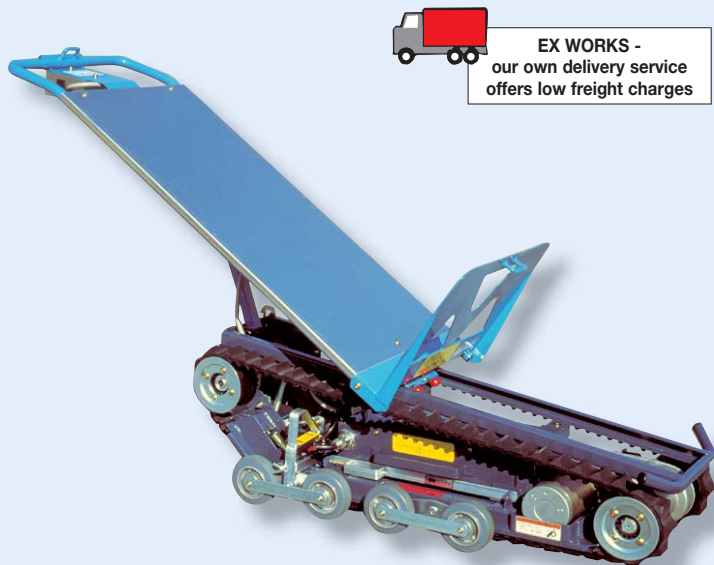
Climber Coolie Speezy 200		
Capacity	kg	200
Dimensions	built up mm	1110 x 660 x 1080
L x W x H	folded mm	1110 x 660 x 460
Loading Ramp	L x W mm	800 x 650
Speed (with 200 kg load on stairs 35° angle)	up m/min.	6,8
	down m/min.	10,6
Motor	magnetic	425 W
Battery (2 x 12 V, 17 Ah)		24 V / 17 Ah
Service time/battery charge	at approx. 25° C	200 kg approx. 30 min.
Max. stair angle		35°
Stair Landing	mm	1100
Dead Weight (incl. battery)	kg	100
	article no.	330.007
Accessories: Soneil charger 24 V/3 A	article no.	333.251



Loads are always horizontal, therefore safe for user and goods

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EX WORKS -
our own delivery service
offers low freight charges

Climber Coolie Speezy 100

– the fast transporter over stairs

- It “flies” over stairs – faster than any other machine of this kind and therefore saves a lot of time.
- Easy handling because it automatically starts climbing when it reaches the stairs.
- Safe on the stairs because the crawler support rests on at least two steps, making tedious balancing and holding unnecessary.
- The 4-fold tandem wheels allows the “Speezy” to be easily moved over plain surfaces.
- The very high battery capacity ensures extended service time and long distances.
- Since foldable, it can even be carried in a car trunk.
- Humane – no carrying or dragging loads over stairs – no longer any risks of back aches and pains.



Ideally suited for:

- boxes
- packages
- crates
- sacks
- and many more items to be transported or delivered over stairs!



Climber Coolie Speezy 100		
Capacity	kg	100
Dimensions	built up mm	1450 x 415 x 844
L x W x H	folded mm	1147 x 415 x 342
Speed	up m/min.	11 (approx. 44 steps)
	down m/min.	15 (approx. 60 steps)
Motor	magnetic	425 W
Battery (2 x 12 V, 12 Ah)		24 V / 12 Ah
Service time/battery charge		ca. 50 min m. 100 kg
Max. stair angle		35°
Tie-down strap (incl.)	m	2,7
Dead Weight (incl. battery)	kg	65
	article no.	330.005
Accessories: Soneil charger 24 V/3 A	article no.	333.251

Machines with 1,000 kg capacity upon request.

...folded up, only little space needed!

Climber-Coolie Pianoplan

BARTELS

transporting storing stacking



Type Horizontal



Type Standard

Climber-Coolie Pianoplan

**ideal Stair Robot Transporter
for difficult, heavy and bulky loads**

- Safe - a electromagnet brake supports the operator regardless of weight or form of load automatically and continuously.
- Economical - designed for a one - two man operation which usually requires four to five, and even safer, easier and healthier.
- Easy to manoeuvre - thanks to its dimensions and its inside roller lifting system, Pianoplan can turn also on very narrow landings (min. 850 mm wide).
- Easy to handle - all control switches are on the control panel and all movements are carried out smoothly and precisely.
- Delivery includes two holding straps and charger.

Types:

Type Standard - with horizontal loading platform, frontal adjustable to shift the center of load plus vertical outriggers for easy moving on narrow landings.

Type Horizontal - same as above standard type with an additional feature, horizontal lifting platform (load remains in a horizontal position when transporting).

Type Vertikal - same as standard type but equipped additionally with a 90° vertical turning platform (objects can be loaded directly from the ground).

Standard color: blue RAL 5017,
other colors upon request against
added costs.

Optional: Speedy - with independent
moving crawlers with two motors (2
x 700 W) allowing to turn safely on
flat grounds, stairs and in narrow
spaces. The optional speedy incre-
ases the dead weight by 25 kg.



Type
Vertikal

Type		Standard	Horizontal	Vertikal
loading capacity	kg	600	600	600
length	mm	min. 1280	min. 1280	min. 1280, max 1680
usable length	mm	min. 1360	min. 1360	min. 1360
width	mm	540	540	540
length of loading platform	mm	1205	1205	min.1205, max.1605
width of loading platform	mm	430	430	430
front extension	mm	500	500	500
min. height of platform	mm	325	370	405
max. height of platform	mm	700	700	700
dead weight	kg	275	315	320
speed	m/min.	12	12	12
Motor	W	1200	1200	1200
pressure	bar	110	125	130
battery 2 x 12 V	Ah	65	65	65
battery charge	hours	50	50	50
charger	230 V / 50 Hz / 15A	inkl.	inkl.	inkl.
	Artikel-Nr.	330.030	330.031	330.032
incl. option „Speedy“	Artikel-Nr.	330.020	330.021	330.022
additional price:				
other RAL-colour	Artikel-Nr.	330.024		

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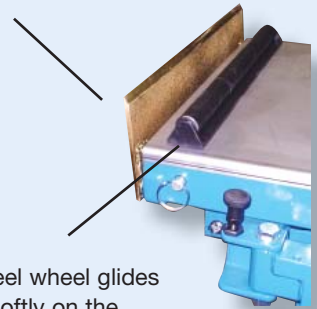
The stainless steel platform can be turned upright up to 90° for better load or unloading goods.

The end stop prevents the load from sliding downwards on the stairs.



Like a sack truck the load can be picked directly from the floor or from the pallet!

Over a steel wheel glides the load softly on the stainless steel platform.

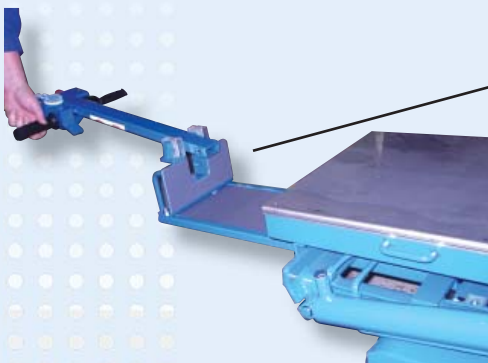


Easy curving with switch on control panel or by lowering the lifting support.

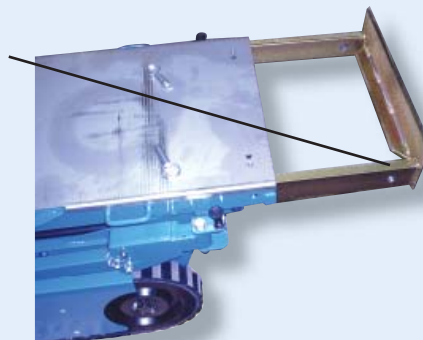
Additional Option Speedy: two independent powered crawlers makes the pianoplan much easier to move!



Steep stair angles are no burden for the pianoplan!



For very long loads the platform can be extended front or backside.



Climber-Coolie CU 133

upstairs and downstairs up to 130 kg capacity

BARTELS

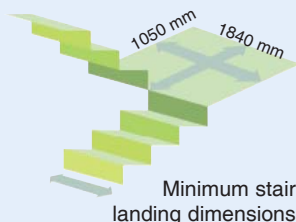
transporting storing stacking



Concise operating elements make the CU 133 to become an indispensable assistant.



Type CU 133



Minimum stair landing dimensions



Accessories:

Truck loading ramp:

Aluminium design, capacity: 800 kg, length 2500 mm, inner width 800 mm, dead weight 22 kg.

Climber-Coolie CU 133

- transporting quickly upstairs and downstairs

- secure in handling
- one single person can move heavy loads all alone
- human and healthy - no back ache or lumbago
- it only takes approx. 1 minute for one level, downstairs even quicker
- universal - even for long loads
- excellent balance as running on two crawlers
- even with unbowed handle - please request.

Convenient to handle, as the control switch has magnetic plates and can be fixed everywhere on the frame; or simply hold it in your hand.

Working with the climber-coolie is continuously trouble free, as you can simply switch from working on level grounds to stairs and vice versa.

Due to battery operation, the operator is independent from electric supply and the stair robot transporter can be used anywhere. The rechargeable dry battery is included in delivery. Batteries can be changed easily.

Motor: DC 24/210 W; speed: upstairs 1,6 m/min, downstairs 1,8 m/min.

Design	CU 133	
Load capacity	kg	130
Dimensions: Length	mm	1710
Width	mm	500
Depth	mm	395
Crawler width	mm	2 x 50
max. length of load	mm	1710
Shovel	mm	500 x 180
Motor voltage	V	12
Motor performance	W	210
Speed with load upstairs / downstairs	m/min.	7,0/13,0
Battery	2 x 6V / 20 Ah	
Operation time / Batt.-load (at ~+25°C)	min.	30
Dead weight	kg	54
Order-No.	330.001	

Climber-Coolie CU 404 / CU 606

- safe – while moving on stairs machine and load lay safely on three steps, no need for the operator to keep against it
- costsaving – one or two person can do the work of two to four or more – they need half the time and have less effort
- human – no back ache or lumbago
- quick – 1 floor in one minute
- universal – even long loads are no problem, because the upper handle frame is detachable
- good balance because the climber-coolie moves on two crawlers
- convenient – control switch has an magnetic plate and can be fixed everywhere on the frame or keep it simply in your hands
- continuously trouble free working, simply switching between ground to stairs or vice versa
- independent of mains voltage: the battery power unit is everywhere usable
- dry batteries of high capacity – no leakage
- changing batteries in the battery case is simply easy.



Capacity up to 600 kg!

Typ CU 606 with adjustable platform



Swiveling carrying wheels make usage easy and simple on even ground and in case of design 606 they remain at the transporter while climbing.

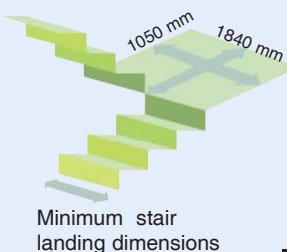


Adjustable load platform:

Ideal adjustment of the load gravity centre due to a motorized adjustable load platform, standard feature with design CU 606. Motor: DC 24/210 W; Speed: upstairs 1,6 m/min, downstairs 1,8 m/min.

This adjustability makes transport on stairs easy, even in case of loads with different centers of gravity.

Adjustable range: 400 mm up, 200 mm down.



Minimum stair landing dimensions

Type		CU 406	CU 606
Load capacity	kg	400	600
Dimensions: Length	mm	2055	2055
Width	mm	678	678
Depth	mm	630	630
Crawler width	mm	2 x 90	2 x 90
max. length of load	mm	1900	1900
Shovel	mm	580 x 180	580 x 180
Motor voltage	V	24	24
Motor performance	W	400	400
Speed with load upstairs / downstairs	m/min.	4,3/5,2	3,3/4,0
Rechargeable dry battery		2 x 12 V/24 Ah	
Operation time / Batt.-load (at ~+25°C)	min.	60	60
Dead weight	kg	125	150
(incl. battery)	Artikel-Nr.	330.003	330.004
Accessories:		Artikel-Nr.	
Truck loading ramp		316.050	
Charger 24 V / 3 A		333.251	
Batteries 2 x 12 V/24 Ah		330.015	

Accessories



Scamble Trolley for Climber-Coolie

- offers easy and safer handling of bulky and heavy loads
- enables easy handling and turning on narrow landings
- move the climber coolie from the stairs directly onto the (scramble) trolley then move it to the next stair case and roll it from the trolley onto the stairs.

Design: steel construction, two pieces (trolley and cantilever), 10 steering wheels polyamide Ø 50 mm.

capacity	kg	720
width	mm	460
length	mm	510
length incl. cantilever	mm	1420
dead weight	kg	32
Artikel-Nr.		135.300





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