

CUTTING THE WORLD



CUTTING TOOLS

FOR ROTARY DRUM CUTTERS

ROUND ATTACK PICKS, PICK BOXES, RETAINING CLIPS

for **erkat** rotary drum cutters and cutter wheels

erkat rotary drum cutters work under extremely hard conditions in trenching, demolition, rock excavation and tunnelling, in steel mills as in other unusual applications. This puts very high demands on the cutter drums and cutting tools.

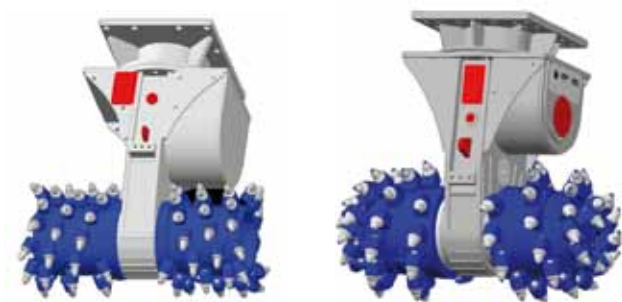
The result of many years experience, with machines working in thousands of applications around the world, can be seen in the type of picks used and their cutting pattern on **erkat** equipment. This unique combination provides maximum productivity with minimum wear, ensuring the economical performance of **erkat** drum cutters even in the hardest conditions. Modern technology and continuous product development are the basics for ensuring the economic benefits of using our drum cutters and cutting tools.

In addition to alternative design cutter drums, we also offer a large variety of pick types even for unusual applications.

In our range of cutter picks, we have paid special attention to the optimum shape, high quality materials and sustainable quality of the production process. This helps you to keep your consumable costs to a minimum.

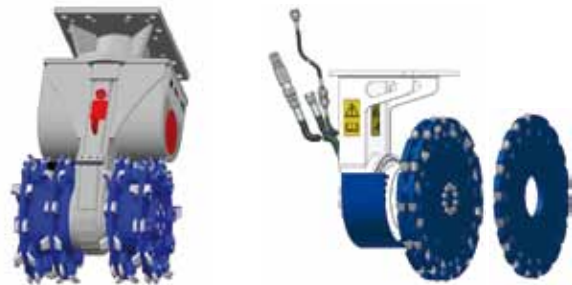


ERW 1000 trenching in medium hard limestone



Profiling cutter head

Tunnelling cutter head



Wood cutting head

Series ES
with wood and slotting wheels

Additional head designs are in main product catalogue.

This catalogue should provide an overview of our standard range of cutter tools, pick boxes and retainer clips, suitable for a wide range of applications.

If you have an extremely unusual application or requirement, don't hesitate to contact us. Our specialists are pleased to provide advice and support in your search for the most suitable cutter tools.



„Several picks piece by piece“

4 - 5

Round attack picks, pick boxes, retaining clips

6 - 13

Symbol	Model	Cutter type	Product catalogue Page	Tool catalogue Page
	ER 50	Transverse drum cutters	20	6
	ER 100	Transverse drum cutters	20	7
	ER 250	Transverse drum cutters	20	7 8
	ER 600	Transverse drum cutters	20	9
	ER 650	Transverse drum cutters	20	9
	ER 1200	Transverse drum cutters	20	10
	ER 1500	Transverse drum cutters	20	10
	ER 2000	Transverse drum cutters	20	10
	ER 3000 ER 5500	Transverse drum cutters	20	12 13
	ER 250 L	Longitudinal drum cutters	26	7
	ER 400 L	Longitudinal drum cutters	26	7
	ER 450 L	Longitudinal drum cutters	26	8
	ER 600 L	Longitudinal drum cutters	26	8
	ER 1500 L	Longitudinal drum cutters	26	10
	EX 30	Surface Planers (Exactor)	28	7
	EX 45	Surface Planers (Exactor)	28	7
	EX 60	Surface Planers (Exactor)	28	7
	ES 30	Universal cutters (Flexator)	30	7 14
	ES 45	Universal cutters (Flexator)	30	7 14
	ES 60	Universal cutters (Flexator)	30	7 14
	ERW 600 ERW 1000	Cutter wheels (Erweter) Cutter wheels (Erweter)	32 32	9 10
	EK 800	Chain cutter (Erkator)	34	10

Non-standard and special picks
Tools for installation and removal

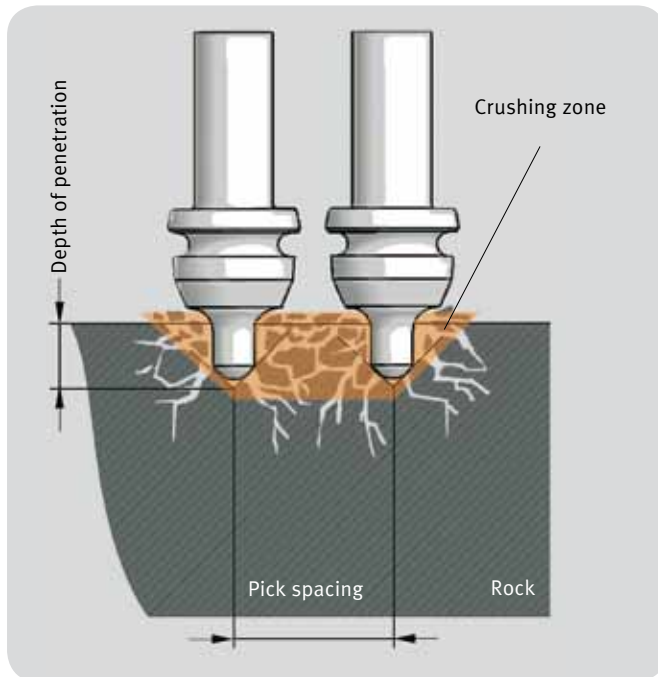
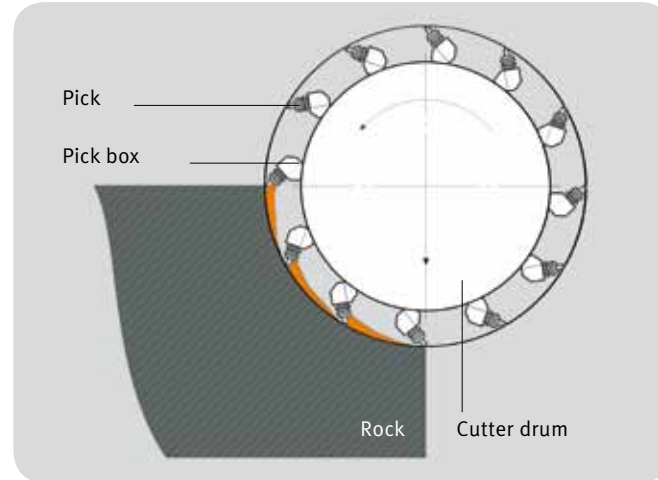
14 - 18
19

SEVERAL PICKS – „PIECE BY PIECE“

THE OPTIMUM SHAPE

The type of round attack picks and their pattern on the cutter drum determines how effectively rock is cut which requires specialist knowledge and expertise in geology and cutting technology.

It is the pick that breaks portions of rock out during the cutting operation. Due to the range of rock types, their hardness and toughness, a variety of drum design are required to achieve optimum penetration in each type of rock.



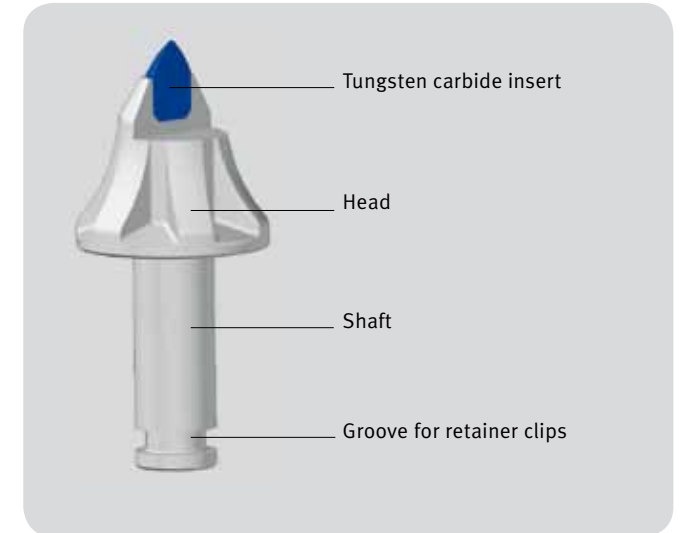
For each model of drum cutter, **erkat** offers a range of pick types allowing the best possible solution for each application. For example:

- ER 15/90/70/30** (1)
Narrow pick head with small diameter insert, for use in soft rock
- ER 17/75/70/30** (2)
Standard pick head with medium diameter insert, for use in soft to medium hard rock
- ER 22/75/70/30** (3)
Standard pick head with medium diameter insert, for use in medium to hard rock
- ER 25/77/70/30** (4)
Standard pick head with large diameter insert, for use in very hard rock
- ER 30/77/70/30** (5)
Standard pick head with large insert cap, for use in soft to medium hard but abrasive rock



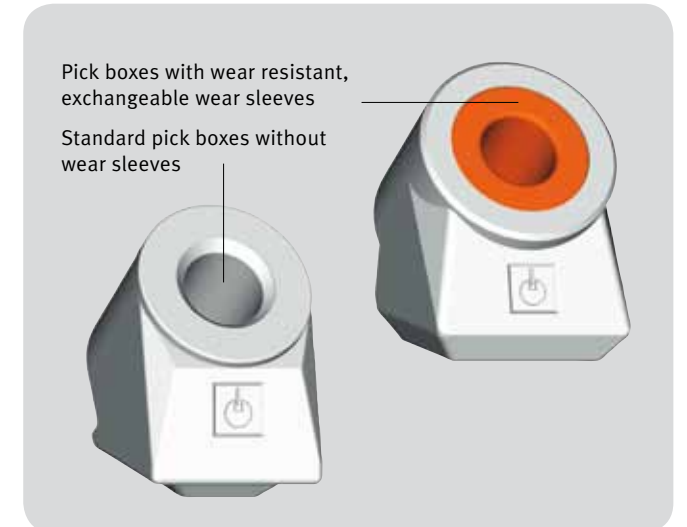
ROUND ATTACK PICKS

The tungsten carbide insert braised into the body of the pick is at the heart of the cutting operation and is subject to extreme stresses due to it coming continuously into contact with the rock. The pick body, (head and shaft) is made from heat-treated steel and serves as the support for the tungsten carbide insert and also as protection for the pick box. The tungsten carbide insert is extremely wear resistant and tough to withstand impact. The insert is a sintered material made up of tungsten carbide with a cobalt binder. Depending on application, a variety of carbide grades and shapes are available.



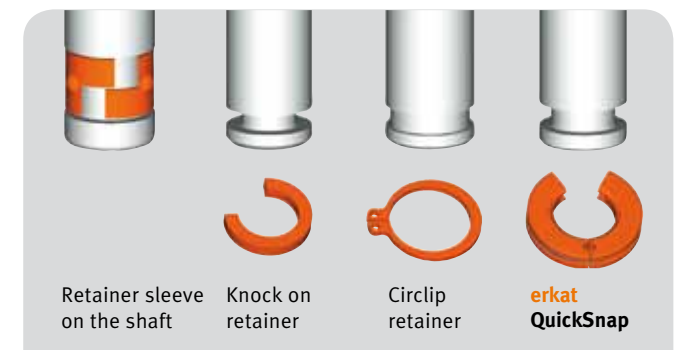
PICK BOXES

Pick boxes welded onto the cutter head determine where and how picks penetrate into the rock. The special attack angle ensures a continuous rotation of the pick creating a self sharpening action for the tungsten carbide insert during the cutting action. The correct angle ensures maximum productivity with minimum wear. Pick boxes are also made from specially heat treated steel and depending on applications, are available with exchangeable wear sleeves.



RETAINING CLIPS

Retaining clips ensure that picks do not fly out of the pick boxes. Various types of retaining clip are available depending on pick type and application area e.g. retaining collars for soft rock or circlip type systems for hard rock applications.



For quick and easy changing of picks, **erkat** offers the **QuickSnap** retaining system, which allows picks to be changed in a matter of seconds. This represents a saving of over 50% in time compared with normal circlip or knock on retainer systems.

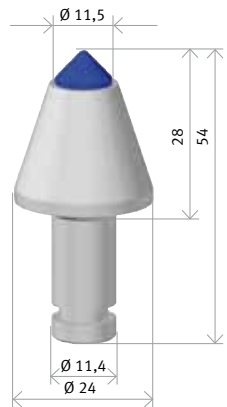


Easier and quicker pick changes with **erkat QuickSnap**

ER 50



Pick box	PH 50
Part Number	70 04 99



Pick type	ER 11/28/24/12
Part Number	11 28 24 12
Application	Concrete, soft to medium hard rock



Retainer	Retaining clip ES 50
Part Number	99 99 99 51



Dimension in mm | Associated installation and removal tools on page 19

Order hotline +49 3695 85025-0 | www.erkat.de | info@erkat.de

ER 100, 250 (Models up to 06/2012)

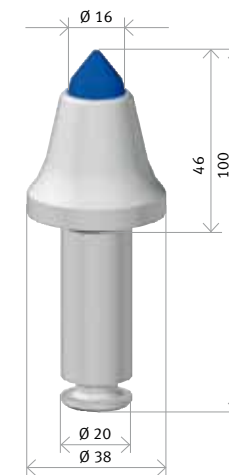
ER 250 L, 400 L

EX 30, 45, 60 (Series HD inclusive)

ES 30, 45, 60



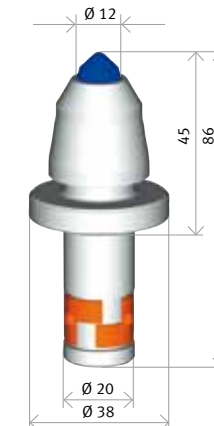
Pick box	PH 250
Part Number	72 10 24



Pick type	ER 16/46/38/20 S
Part Number	16 46 38 20
Application	Concrete, soft to medium hard rock



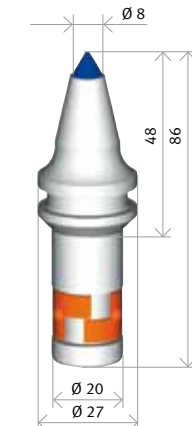
Retainer	Retaining clip ES 250
Part Number	99 99 99 91



Pick type	ER 12/45/38/20 K
Part Number	12 45 38 20
Application	Concrete, soft to medium hard rock



Pick type	ER 16/48/32/20 HC
Part Number	16 48 32 20
Application	Asphalt



Pick type	ER 09/51/25/20 K
Part Number	9 51 25 20
Application	Soft rock, salt, gypsum



Pick type	ER 19/48/36/20 HC
Part Number	19 48 36 20
Application	Asphalt

Dimension in mm | Associated installation and removal tools on page 19



ER 250 (Models from 07/2012) ER 450 L, 600 L



Pick box	PH 450 UA
Part Number	72 10 25 UA
Application	This pick box replaces the previous type PH 450 (part number 72 10 25)

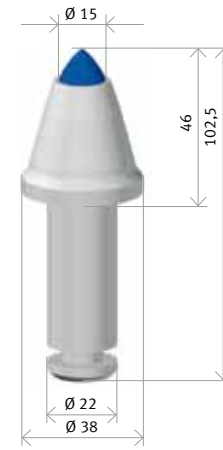
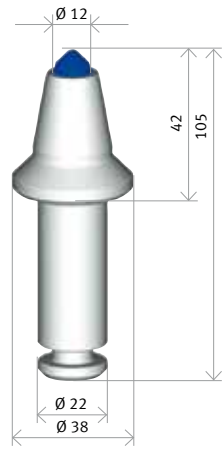
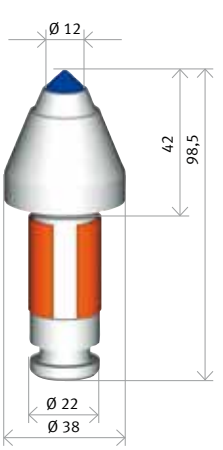
Pick type	ER 19/51/45/22 H
Part Number	19 51 45 22
Application	Asphalt, soft and abrasive rock

ER 600, 650 ERW 600



Pick box	PH 600
Part Number	76 10 25

Pick type	ER 22/64/60/25 HS
Part Number	22 64 60 25
Application	Asphalt, soft and abrasive rock



Pick type	ER 12/45/38/22 HC
Part Number	12 45 38 23
Application	Concrete, medium hard and abrasive rock

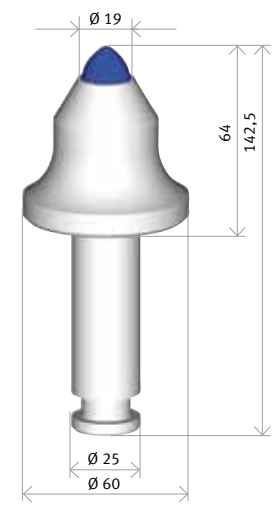
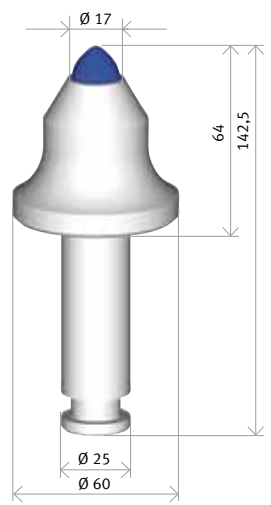
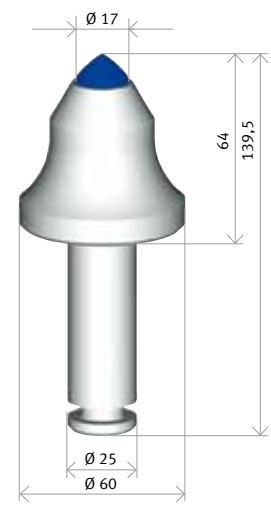
Pick type	ER 12/45/38/22 S
Part Number	12 45 38 22
Application	Concrete, medium hard rock

Pick type	ER 15/46/38/22 S
Part Number	15 46 38 22
Application	Concrete, medium hard rock

Retainer	Retaining clip ES 450
Part Number	99 99 99 96

Retainer	Retaining clip ES 450
Part Number	99 99 99 96

Retainer	Retaining clip ES 450
Part Number	99 99 99 96



Pick type	ER 17/64/60/25 S
Part Number	17 64 60 25
Application	Concrete, medium to hard rock

Pick type	ER 17/64/60/25 Q
Part Number	17 64 60 26
Application	Concrete, medium to hard rock

Pick type	ER 19/64/60/25 Q
Part Number	19 64 60 26
Application	Concrete, medium to hard rock

Retainer	Retaining clip ES 600
Part Number	99 99 99 94

Retainer	QuickSnap QS 600
Part Number	99 25 00 25

Retainer	QuickSnap QS 600
Part Number	99 25 00 25

Dimension in mm | Associated installation and removal tools on page 19

Dimension in mm | Associated installation and removal tools on page 19

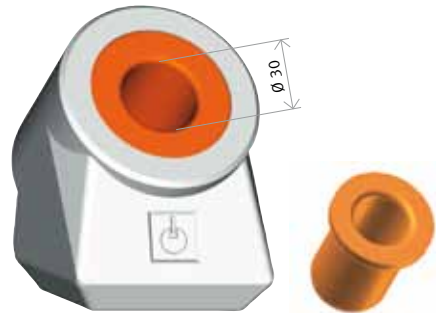
Order hotline +49 3695 85025-0 | www.erkat.de | info@erkat.de



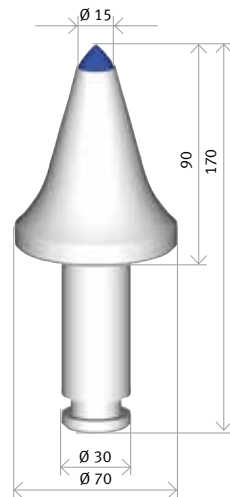
ER 1200, 1500, 2000 ER 1500 L ERW 1000, 600 HD EK 800




Pick box	PH 1200
Part Number	71 10 26
For drum cutter model	ER 1200

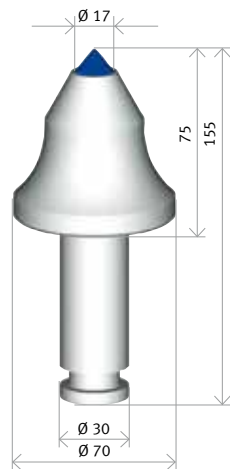


Pick box	PH 1500
Part Number	71 10 22
For drum cutter model	ER 1500, ER 2000 ERW 600 HD, ERW 1000
	Replacement wear sleeve
Part Number	71 10 29




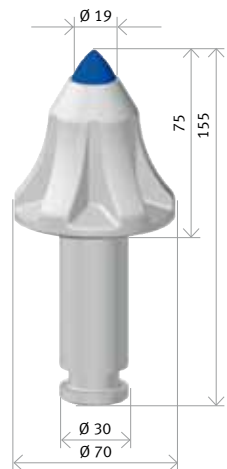
Pick type	ER 15/90/70/30 Q
Part Number	15 90 70 35
Application	Salt, gypsum, medium hard, fractured rock

	Retainer QuickSnap QS 5000
Part Number	99 50 00 30




Pick type	ER 17/75/70/30 Q
Part Number	17 75 70 35
Application	Concrete, medium hard rock

	Retainer QuickSnap QS 5000
Part Number	99 50 00 30



Pick type	ER 19/75/70/30 Q
Part Number	19 75 70 35 E
Application	Concrete, medium hard rock

	Retainer QuickSnap QS 5000
Part Number	99 50 00 30

ALTERNATIVE PICKS FOR ER 1200, ER 1500 AND ER 2000



Pick type	ER 17/75/70/30 S
Part Number	17 75 70 30 S
Application	Concrete, medium hard rock

	Retainer Circlip retainer SG 1500
Part Number	99 99 99 99



Pick type	ER 19/75/70/30 S
Part Number	19 75 70 30 S
Application	Concrete, medium to hard rock

	Retainer Circlip retainer SG 1500
Part Number	99 99 99 99




Pick type	ER 30/77/70/30 S
Part Number	30 77 70 30
Application	soft, medium hard and abrasive rock

	Retainer Circlip retainer SG 1500
Part Number	99 99 99 99



Pick type	ER 22/75/70/30 Q
Part Number	22 75 70 30
Application	Concrete, medium to hard rock

	Retainer QuickSnap QS 5000
Part Number	99 50 00 30




Pick type	ER 25/77/70/30 Q
Part Number	25 75 70 35
Application	Re-enforced concrete, hard to very hard rock

	Retainer QuickSnap QS 5000
Part Number	99 50 00 30



Pick type	ER 30/77/70/30 Q
Part Number	30 77 70 31
Application	Soft to medium hard, abrasive rock

	Retainer QuickSnap QS 5000
Part Number	99 50 00 30

Dimension in mm | Associated installation and removal tools on page 19

Dimension in mm | Associated installation and removal tools on page 19



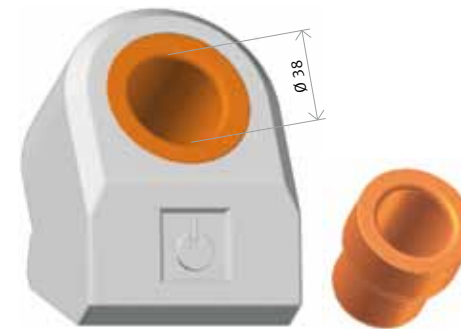
ER 3000



Pick box	PH 5300
Part Number	75 30 10
	Replacement wear sleeve
Part Number	75 30 11



ER 5500



Pick box	PH 5500
Part Number	75 30 20
	Replacement wear sleeve
Part Number	75 30 21



Pick type	ER 19/90/80/38-30 Q
Part Number	19 90 80 38 E
Application	soft rock



Retainer	QuickSnap QS 5000
Part Number	99 50 00 30



Pick type	ER 25/77/80/38-30 Q
Part Number	25 77 80 35 E
Application	Concrete, medium hard to very hard rock



Retainer	QuickSnap QS 5000
Part Number	99 50 00 30



Pick type	ER 19/100/80/38 S
Part Number	19 100 80 38
Application	soft rock



Retainer	Circlip retainer SG 5500
Part Number	99 55 00 38



Pick type	ER 25/80/80/38 S
Part Number	25 80 80 38
Application	Concrete, medium hard to very hard rock



Retainer	Circlip retainer SG 5500
Part Number	99 55 00 38

Dimension in mm | Associated installation and removal tools on page 19

Order hotline +49 3695 85025-0 | www.erkat.de | info@erkat.de

Dimension in mm | Associated installation and removal tools on page 19



SPECIAL AND NON-STANDARD PICKS

SERIES ES WOOD AND SLOTTING WHEELS



Pick box	for ES drag picks
Part Number	79 10 35



Pick type	ES drag picks
Part Number	79 10 34
Application	Wood, soft rock, soft, not re-enforced concrete



Retaining pin	ES 06
Part Number	70 50 69



SERIES ER WOOD CUTTING PICKS



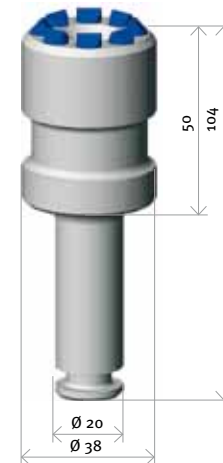
Pick box	PH 250
Part Number	72 10 24



Pick box	PH 600
Part Number	76 10 25



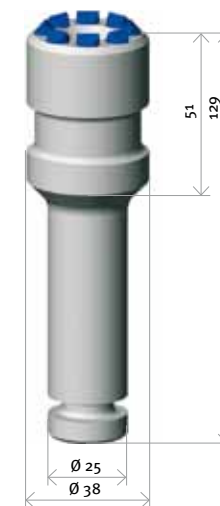
Pick box	PH 1200
Part Number	71 10 26



Pick type	ER 38/50/20 W
Part Number	38 48 50 19
Application	Wood, tree stump grinding



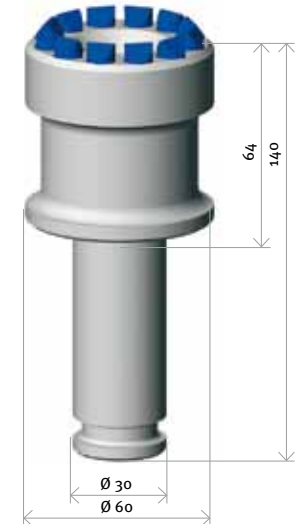
Retainer	Retaining clip ES 250
Part Number	99 99 99 96



Pick type	ER 38/51/25 W
Part Number	38 38 50 25
Application	Wood, tree stump grinding



Retainer	Retaining clip ES 600
Part Number	99 99 99 94



Pick type	ER 60/64/30 W
Part Number	70 70 75 30
Application	Wood, tree stump grinding



Retainer	Retaining clip ES 1500
Part Number	99 99 99 91



Dimension in mm | Associated installation and removal tools on page 19

Order hotline +49 3695 85025-0 | www.erkat.de | info@erkat.de

Dimension in mm | Associated installation and removal tools on page 19



SPECIAL AND NON-STANDARD PICKS

SERIES ER 600-W, ER 650-W WOOD CUTTING PICKS FOR CUTTER DRUMS



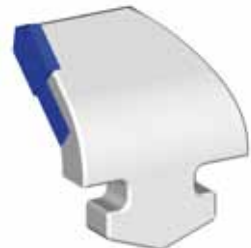
Pick box	for threaded side
Part Number	72 63 25 44



Pick box	for nut side
Part Number	72 63 25 43



Pick type	20 cutters left
Part Number	70 65 57 14 L
Application	Wood, tree stump grinding

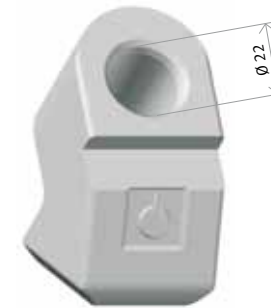


Pick type	20 cutters right
Part Number	70 65 57 14 R
Application	Wood, tree stump grinding



Pick type	40 cutters straight
Part Number	70 65 58 14
Application	Wood, tree stump grinding

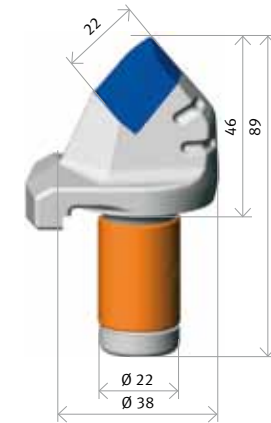
SERIES ER 240, ER 450 L AND ER 600 L DRAGON-TOOTH-PICKS



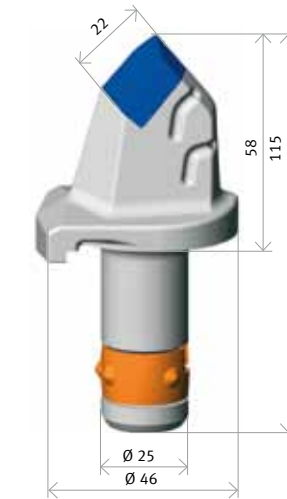
Pick box	PH 450 UA
Part Number	72 10 25 UA



Pick box	PH 600 UA
Part Number	76 10 25 UA



Pick type	DT 22/46/38/22
Part Number	22 38 46 22
Application	soft to medium hard, abrasive ground and rock



Pick type	DT 22/58/46/25
Part Number	22 46 58 25
Application	soft to medium hard, abrasive ground and rock



Dimension in mm | Associated installation and removal tools on page 19

Order hotline +49 3695 85025-0 | www.erkat.de | info@erkat.de

Dimension in mm | Associated installation and removal tools on page 19



SPECIAL AND NON-STANDARD PICKS

SERIES ER 650, ER 1200 AND ER 1500 PICKS FOR MIXING APPLICATIONS



Pick box	PH 3000 MIX
Part Number	76 50 05



Pick box	PH 600 MIX
Part Number	76 50 01



Pick type	EF 55/97/62/38-30 S
Part Number	76 50 06
Application	Homogenous, soft and sticky soils



Pick type	EF 63/80/45/25 W
Part Number	76 50 02
Application	Homogenous, soft and sticky soils



Retainer	ES 3000 MIX
Part Number	76 50 60



Retainer	Fastening disk and lock nut
Part Number	Disk 76 50 03 Nut 62 30 06



MOUNTING AND DISMANTLING TOOLS



Tool	Knock-out tool
Part Number	for picks with shaft diameter 20-30 mm 99 99 99 95



Tool	Puller for picks with retaining sleeves
Part Number	for picks with shaft diameter 20-22 mm for pick ER 16/48/32/20 HC (Page 7) 99 99 99 97 99 99 99 13



Tool	Mounting tool for retaining clips	Dismantling tool for retaining clips	
Part Number	for retaining clip ES 250 for retaining clip ES 450 for retaining clip ES 600 for retaining clip ES 1500	99 99 99 42 99 99 99 47 99 99 99 83 99 99 99 39	99 99 99 43 99 99 99 48 99 99 99 82 99 99 99 36



Tool	Mounting gripper for circlip retainers
Part Number	for picks with shaft diameter until 25 mm for picks with shaft diameter from 30 mm 99 99 99 40 99 99 99 46



Tool	Puller tool for QuickSnap retainers
Part Number	99 99 50 00

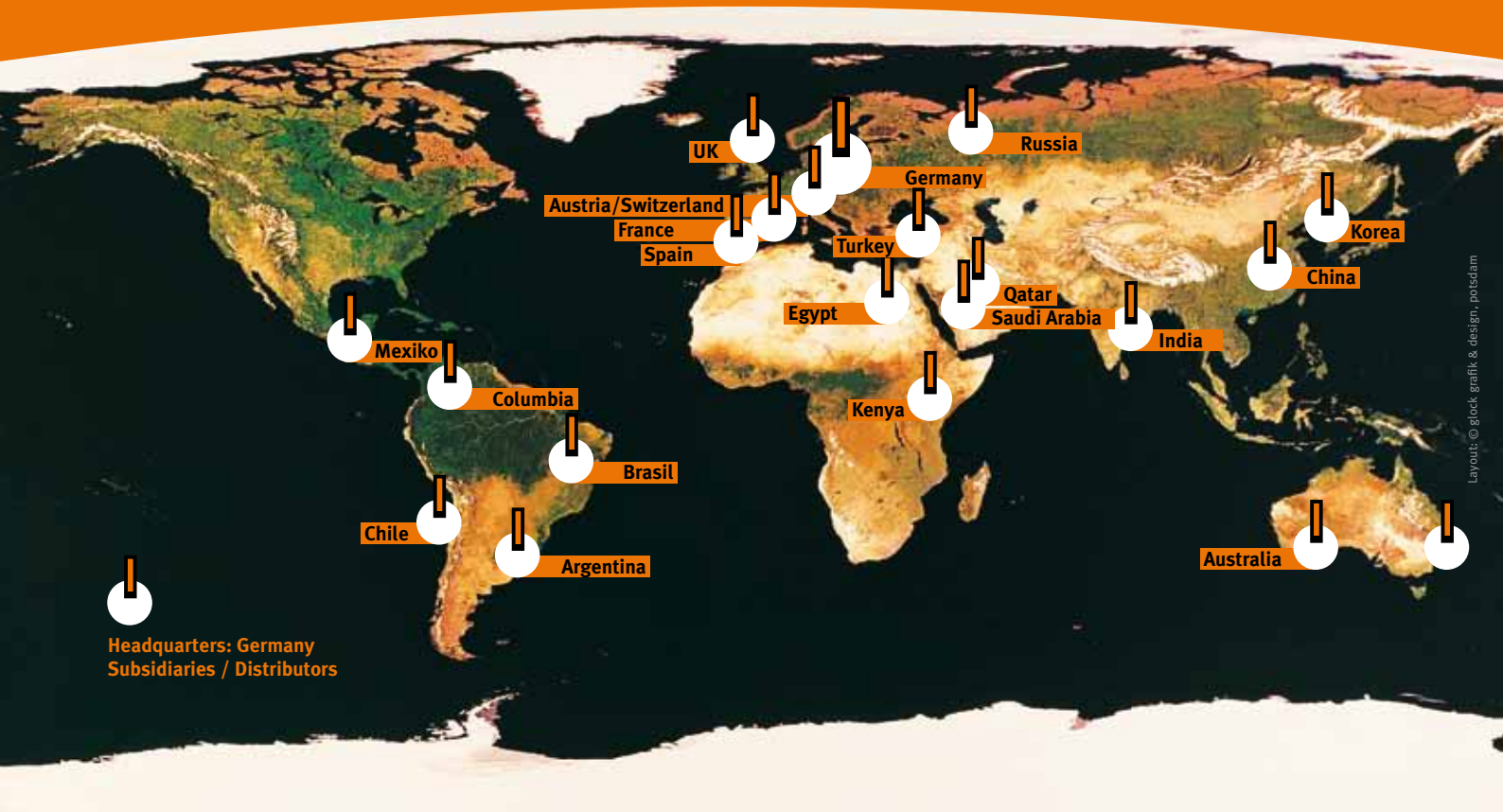


Tool	Knock out tool for stuck picks
Part Number	for picks with shaft diameter 20-25 mm for picks with shaft diameter 30-38 mm 99 99 99 38 99 99 99 37

Dimension in mm | Associated installation and removal tools on page 19

Order hotline +49 3695 85025-0 | www.erkat.de | info@erkat.de

CUTTING THE WORLD



erkat has a global network of experienced business partners including their own subsidiaries and distributors. For more information, please contact:

www.erkat.de

Your local dealer:

erkat | spezialmaschinen | service | gmbh
jeremiasstraße 4
d-36433 leimbach
germany

erkat | spezialmaschinen | service | gmbh
service | production
ulmenstrasse 3
d-36469 hämbach
germany

tel +49 3695 85025-0
fax +49 3695 85025-99
e-mail info@erkat.de
internet www.erkat.de

This catalogue is used to describe our products and the accessories. The information contained in it does not imply any certified properties or indicate any suitability for certain or assumed purposes. Technical changes are reserved without prior announcement. We disclaim any liability arising from the illustrations and information in the catalogue and from all our representatives.

April 2013 | English

