KUKKO // *Pull forward*

FOR OVER 100 YEARS
THE NUMBER 1 IN THE WORLD

THE SPECIALIST FOR NON-DESTRUCTIVE REMOVING

TABLE OF CONTENTS

GUIDING PRINCIPLES

PULLING

AUTOMOTIVE

CUTTING & LOOSENING

PRESSING & INSERTING

GRIPPING & HOLDING

SCREW & DRIVE

SIGN & LABEL

CHECK & MEASURE

STORAGE & PRESENTATION

HAMMERING

CARE & SAFETY

INDEX

PREFACE

Dear business partners,

We are proud to present to you this manual, which for the first time offers a compendium of our collected knowledge on extraction. We have compiled the application areas, usage instructions, benefits, and the most important product features for over 1,000 original products. Additionally, the overarching functions for all product groups of the four extraction principles: External, Internal, Separation, and Disassembly, as well as all other activities, are explained.

The accumulated know-how from over 100 years of successful entrepreneurship is unique in its breadth of knowledge. As the inventor of the puller tool and a global solution developer, we are committed to progress and are taking a step ahead, especially in challenging times. Embedded in the K+K Swiss group headquartered in Ranzo, Switzerland, the flagship brand KUKKO benefits from the legal, financial, and economic stability of the Swiss company. This allows the procurement and logistics chains to be ensured quickly and efficiently through our three logistics centers in Europe, Asia, and the USA. At the same time, this global corporate structure provides the best conditions to engage with our worldwide customers locally and serve them with a tailored product offering.

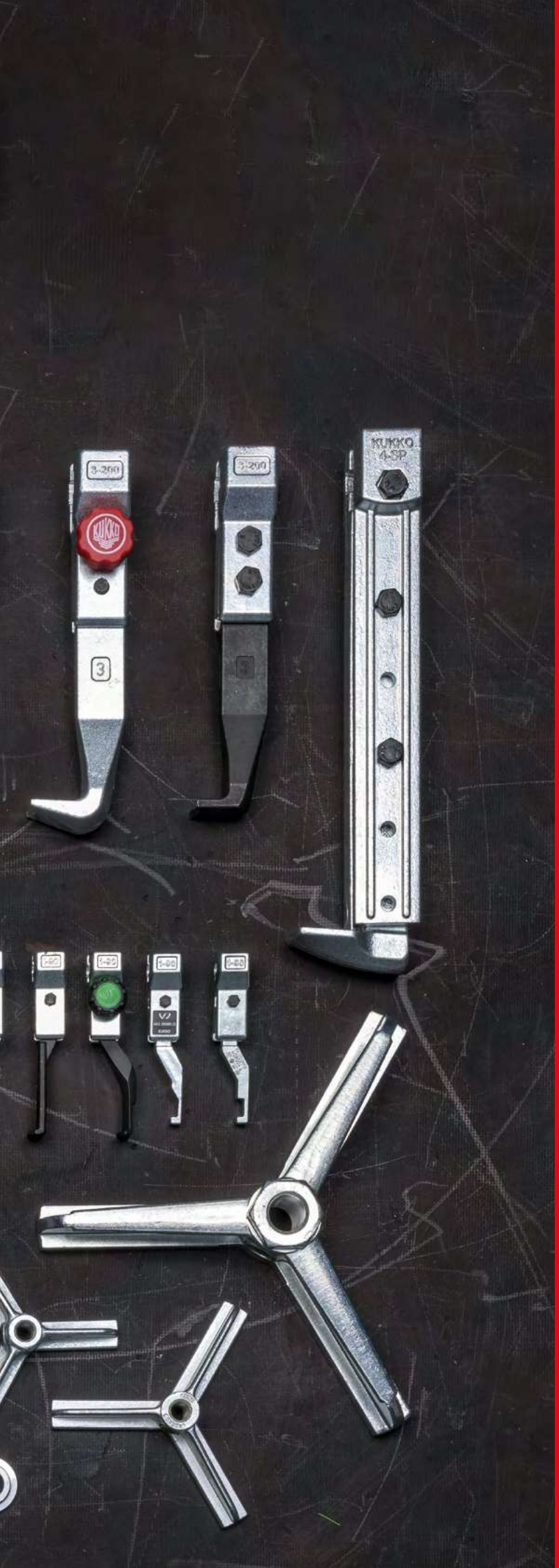
We thank you for your trust in our premium tools and look forward to any suggestions to further develop our products and services.

Sincerely,

Michael Kleinbongartz
CEO K+K Swiss AG
Owner KUKKO oHG

Max Alfred Kleinbongartz
Managing Director K+K Swiss AG
Partner KUKKO oHG

KUKKO, the inventor of the modular system



Worldwide largest assortment diversity

As a specialist in pullers, KUKKO has made it its mission to develop the right tool for every pulling situation.

Since no pulling process is the same as another, the KUKKO range includes the most diverse pullers in various designs and sizes. Thanks to this diverse product selection, any component can be disassembled or assembled. Whether external extraction, internal extraction, separation, or disassembly – KUKKO finds the perfect solution for any challenge. And if the right puller is not immediately available for a specific requirement, it can be assembled in the form of an upgrade with just a few manual steps.

The modular system has been continuously developed throughout the entire company history and thus represents a special unique selling point.

Thanks to limitless mix & match, 150 types of pullers can be combined in 500 variants. The core is always the spindle, which gives the puller its power. Various jaw types and their extensions, 2-jaw and 3-jaw crossbars, and reversible spindle tips make the composition of the puller perfect.

The user is thus presented with nearly endless possibilities to solve their individual application case with a special or universal puller.

The originals from KUKKO - Unique in design, function, and use

Perfection in Form and Function

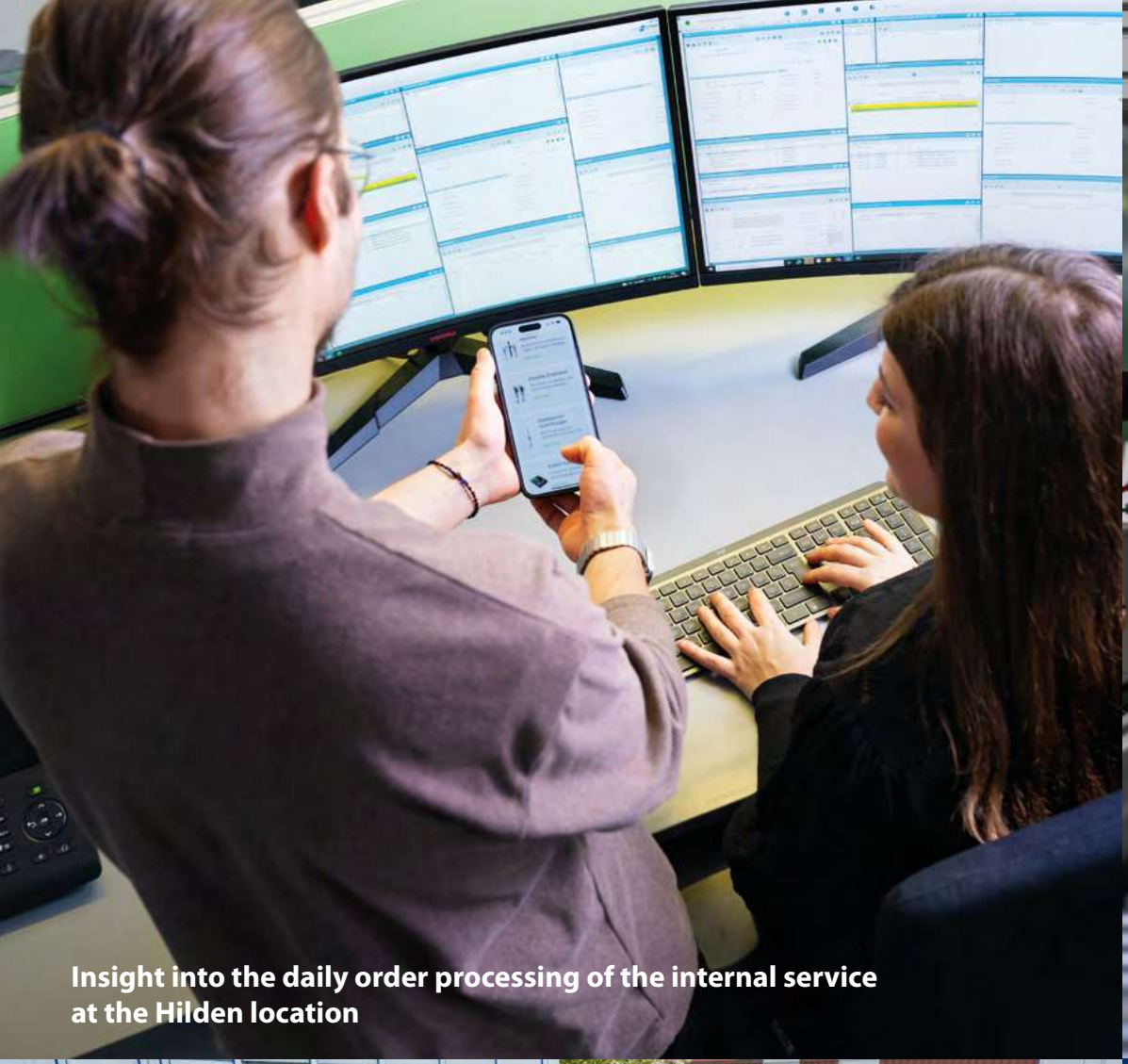
The entire tool range from KUKKO is characterized by a unique product design. From the high-quality material selection to the processing and the color choice of the KUKKO company logo, each individual product embodies the brand's typical pioneering spirit and a lot of love for detail. For over a century, even laypeople can recognize KUKKO originals at first glance. Green is the corporate color and makes all KUKKO products shine uniquely.

Outstanding Originals

All KUKKO originals have been DIN EN ISO 9001 certified since 1995. This certification applies to the areas of development, manufacturing, and distribution of pullers and special tools, as well as the distribution of specialty tools. Additionally, all products are labeled with their own type plate. This labeling is a reflection of KUKKO's high sustainability promise and guarantees decades of durability. At the same time, customers can be 100% sure that they have purchased a quality product from KUKKO with this safety promise. Any form of counterfeiting or product piracy is excluded. Furthermore, registration with KUKKO can be done via the serial number to secure a lifetime support guarantee. The individual component number guarantees a quick and smooth processing of reorders or complaints.

Ergonomics at the Highest Level

The quality tools from KUKKO also convince in terms of haptics. First-class processing and the guarantee of the highest safety standards minimize the risk of injury. The products fit ergonomically well in the hand and are characterized by outstanding user-friendliness. The label includes the following information: item number, serial number, QR code, name and address of the manufacturer, product dimensions, and the most important Technical attributes.



Insight into the daily order processing of the internal service at the Hilden location

Fully automated

Daily shipping directly from the KUKKO headquarters in Hilden

Daily overnight Cologne-Bonn

packaging of up to 500 packages per hour

shipping via the global UPS system, here at Airport.

Logistics

KUKKO takes procurement and delivery logistics to the next level

Our logistical connection to three own hubs in America, Asia, and Europe ensures complete procurement and distribution security.

The latest achievement in optimizing the entire material, procurement, and logistics flow is a fully automated packing machine. The overall control from the production side is centrally managed through the ERP system. The interface between the packing machine and ERP is organized via a socket server. Through this setup, all data (shipping, picking, hazard warnings, dimensions) is processed in real time and reported to external logistics partners and customs.

This consolidates all relevant data and information (image of the package's contents, commercial invoice, export documents) from the machine to the shipping partners. At the same time, all data is also communicated to customers and trading partners.

By significantly minimizing throughput times and error sources, the entire procurement and logistics process, including material flow, is reduced by 30% in cost and time.

Sustainability is an integral part of KUKKO's DNA.

Over 100,000 bees are busy honey producers at the location of the headquarters in Hilden.

A proprietary KUKKO with a 20% saving on

Active resource conservation with a waste recovery rate of over 80%

Mission 2030:

combined heat and power plant supplies 30% of the required electricity and achieves total heating energy.

70% recycling rate

100,000 diligent bees testify to the grounds of the KUKKO factory and an attested SAQ.

The multifunctional application possibilities combined with an extraordinary range of spare parts and accessories make KUKKO pullers indispensable tools for every user.

By choosing an original product from KUKKO, not only are current application cases covered, but the pullers have also been handed down to the next generation.

This form of sustainability, practiced for a century, explains why you still find pullers in workshops that have been in use for over 50 years. It's no wonder that the motto in the industry is "Once KUKKO, always KUKKO."

The sustainable value creation begins with the careful selection of raw materials. Resource-saving use of materials and products, as well as reducing energy consumption, are other important aspects.

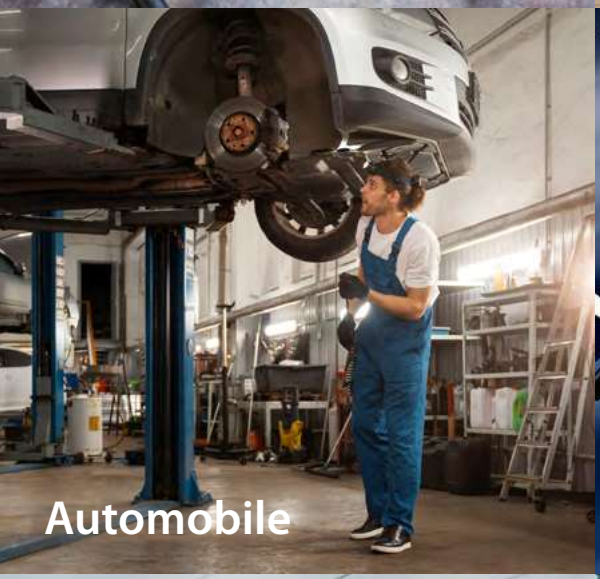
A particular gain in ecological economics is the custom packaging cartons per shipment. This prevents oversizes and reduces shipping costs. Thanks to the complete avoidance of plastic and the exclusive use of 100% recycled filling material, KUKKO reduces its CO2 footprint by over five tons annually.

Another marker of consistent due diligence is demonstrated by the leading member organization of the automotive industry – AIAG – through the SUPPLIER ASSURANCE. KUKKO meets the globally recognized sustainability standard of the automotive industry in areas such as human rights, working conditions, occupational safety, corporate ethics, environmental, and supplier management with SAQ 5.0.


Drive Technology

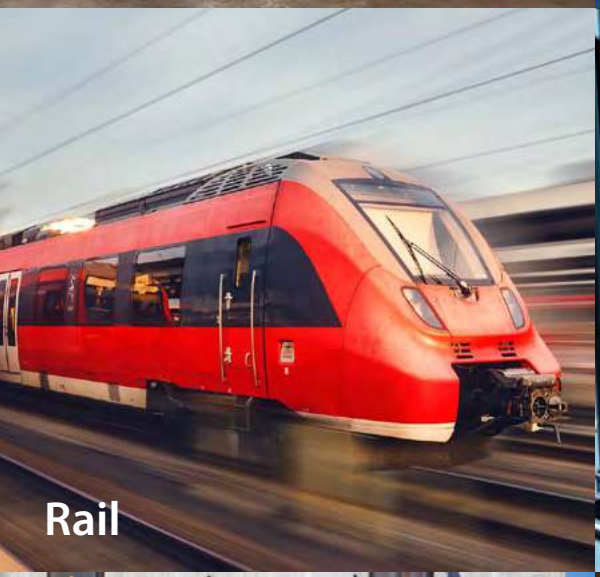

Industry


Motorcycle


Automobile


Energy


Shipbuilding


Rail

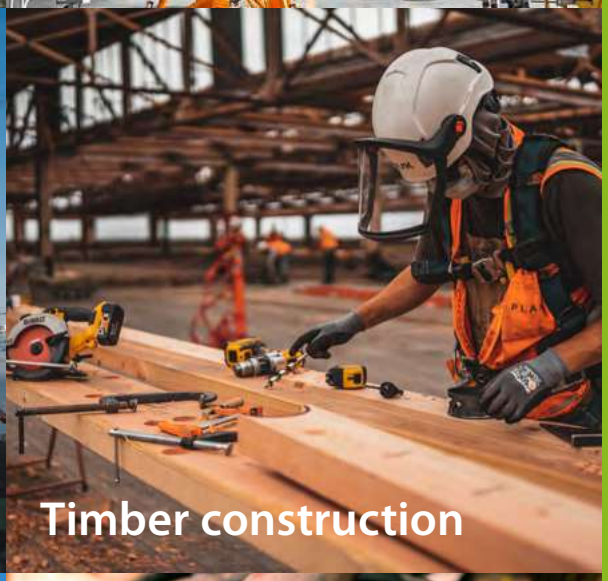

Electric


Construction
industry


Steel construction


Carpentry


Agriculture



BRANCHES

KUKKO offers solutions for all industries. Both global challenges and local requirements are addressed. The pullers from KUKKO are used in countless productions and workshops, ensuring that everything remains in motion. The range extends from large hydraulic solutions for the repair of industrial machines to precision tools for intricate tasks, such as in watchmaking.

team.polska@kukko.com

team.italia@kukko.com

team.benelux@kukko.com

team.usa@kukko.com

team.dach@kukko.com

team.asia@kukko.com

team.nordic@kukko.com

team.france@kukko.com

From top left to bottom right: Waldemar Just, Vanessa Annunziata, Timo Langenberg, Greg Genevro, Jan Bartos, Yongchao Gu, Ole Schmidt, Hans-Peter Broekhuis

Inventory at the

Omnipresence at KUKKO

Always up-to-date, transparent and personal!

We at KUKKO are always here for you. With our local branches in America, Europe, and Asia, you have local contacts available worldwide.

Regardless of office hours, we offer you various digital services. Through customer-specific shares, you receive our current **price lists and product availabilities:**

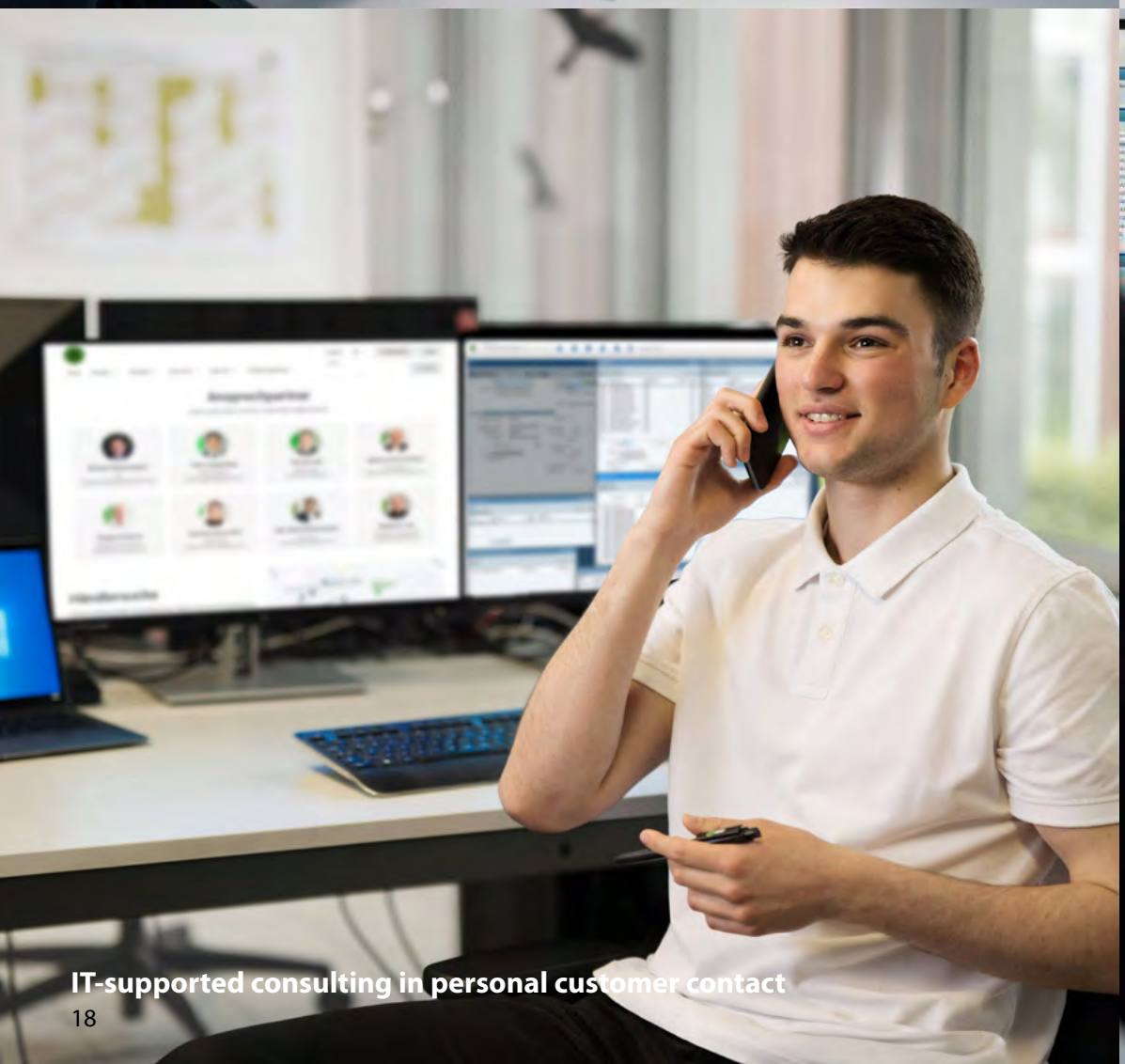
Furthermore, w**e provide a detailed product data sheet** for each of our over 3,000 items. These data sheets contain all product information, including technical features, technical drawings, and photos.

Our **complete catalog** with all products can be accessed via the following QR code:

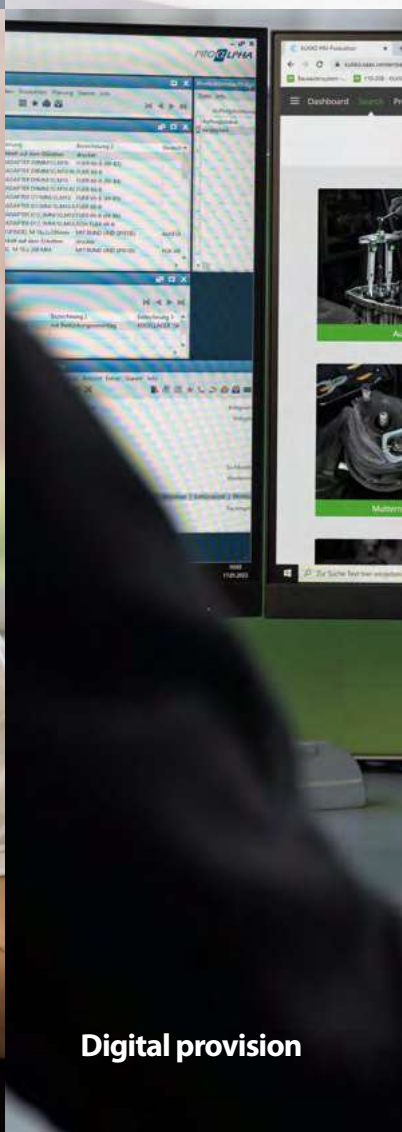
To stay up-to-date with all product news, promotions, or events, subscribe to our **newsletter** here:

Product development using a CAD program (here adapter for puller)

IT-Trilogy between

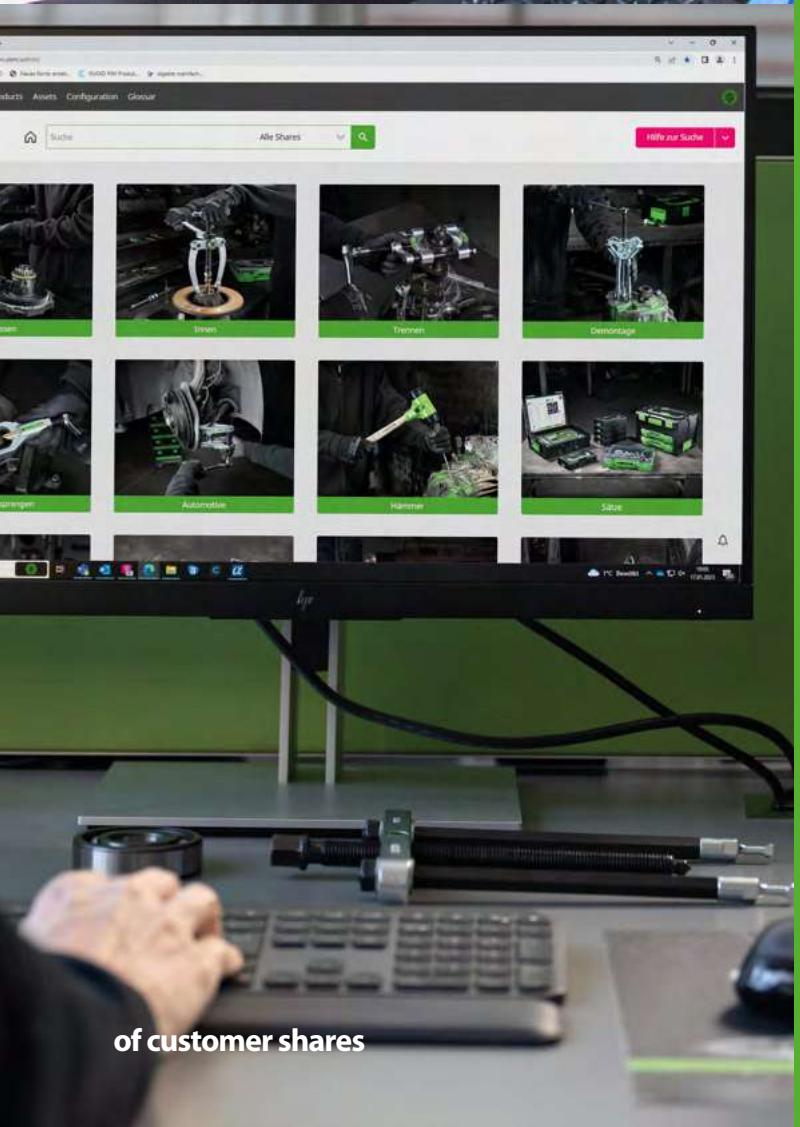


IT-supported consulting in personal customer contact



Digital provision

ERP, PIM and Website



of customer shares

Digital Support

A consistent focus on digital process control ensures long-term corporate success

With all the passion for the production of analog pullers, KUKKO lives with a digital spirit and relies on a multimedia-oriented communication strategy. This intertwines the internal IT and its systems with the outward-visible media. The central control system is always the Enterprise Resource Planning (ERP) system. Directly connected to it is the Product Information Management (PIM) database with over 3,000 items. Both platforms feed all communicative media and touchpoints such as websites, newsletters, print media, and configurators, ensuring a continuous update of all product features.

This synchronization provides optimal support to sales in the sales process. Additionally, the centralized master data management facilitates operational handling in over 100 countries worldwide in customer support.

If you would like to benefit from our digital support, please contact the global contacts directly:

Consultation on board the demo vehicle

Order at the

Eye-catching displays to boost sales

Company-owned

workplace in industry, workshop or in trade

stage on demo vehicles in global use

KUKKO Live

There is no Business like Showbusiness

Driven by the spirit of the solution developer, KUKKO focuses on a user-oriented and practically tested presentation of the products.

With a fully equipped showroom in the Hildener headquarters, a spacious area is provided for the transfer of know-how, application consulting, and sales management. Both 3-D animations and demo tables serve to train existing and new trading partners and customers. Individual as well as sequential training sessions can be booked.

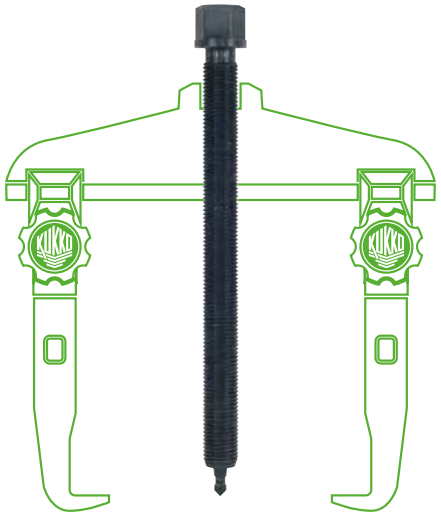
For mobile use at the customer's site, a company fleet of fully equipped demo vehicles is available. The mobile consultants on four wheels operate worldwide and ensure comprehensive insight into KUKKO's diverse product portfolio, regardless of spatial restrictions. Thus, customers and trading partners benefit from the exclusive know-how of the inventor of pullers, even in the smallest space.

To shine directly at the point of sale, KUKKO offers a variety of supporting POS media. These range from the smallest demo applications, through pre-ordered or individually customizable displays and sample cases, to demo vehicles and complete sales walls. Thus, a suitable sales presentation is ensured for every individual situation at the POS. And should the modularity of the POS program not meet customer-specific requests, KUKKO always finds a solution.

Any questions regarding POS activities will be gladly answered by our global contacts:

THE POWER OF THE DRIVE

MECHANICAL



The combination of spindle and thread guarantees a particularly precise pulling off, with the manual operation of the spindle providing a tactile control of the pulling process.

BENEFIT:

All KUKKO spindles are made from a single piece of steel. Another special feature is the dual spindle tip - round or pointed - for processing different surfaces.

Mechanical tension force up to **10 t**

HYDRAULIC SPINDLE

Series 8-0 | **Series 8** | **Series 800** | **Series 8-HP**

The fat-hydraulic spindles are suitable for pulling particularly tight bearings, gears, and discs with a pulling force of up to 20 t. Thanks to the integrated grease hydraulics, no external pump is required.

BENEFIT:

Hydraulic spindles guarantee easy and controlled pulling of particularly tight parts with minimal effort.

Medium tension force up to **20 t**

OIL HYDRAULIC

Series YRE

Series YRH

Series YRM

Hydraulic hollow piston cylinders are used with the KUKKO hydraulic program. When used as pressure or tension cylinders, they enable force-saving, versatile work even in difficult pulling situations.

BENEFIT:

The infinitely adjustable force guarantees controlled and safe work while utilizing the full performance potential.

Particularly high tensile & compressive force up to **75 t**

THE KUKKO NUMBERING SYSTEM

The 2-jaw and 3-jaw universal pullers with sliding, always parallel jaws of the series 20 and 30 can be combined with various types of jaws – in different lengths. For the clear assignment of pullers to the corresponding jaws, KUKKO has introduced a user-friendly and self-explanatory numbering system.

Which jaws fit on which puller?

On all pullers of size -1 and -10	➡ the jaws that start with 1- fit
On all pullers of sizes -2 and -20	➡ the jaws, which start with 2- fit
To all pullers of size -3 and -30	➡ the jaws that start with 3- fit
For all pullers of sizes -4 and -40	➡ the pullers with 3- at the beginning also fit the jaws

Example:

20-2 ➡ has the jaws 2-150-P

➡ also fit: 2-151-P; 2-152-P; 2-153-P

➡ also fit long jaws like: 2-300-P; 2-301-P; 2-302-P; 2-303-P

EXPLANATION OF THE NUMBERING SYSTEM

20-10 Size of the crossbar
The number after the dash in the item number indicates with which jaws the crossbar can be combined.

1-90-P Pulling Jaws
The item numbers of the pulling jaws begin with this number.

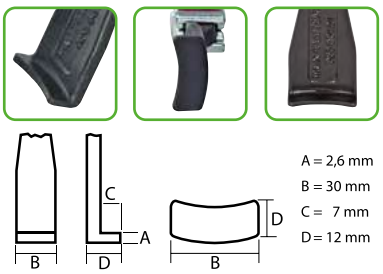
1-V-100-P Extensions
The item numbers of the optional extensions also start with the same number.

-P -S The letter at the end of the item number indicates whether it is a pair (-P) or a set (-S) for the jaws and extensions.

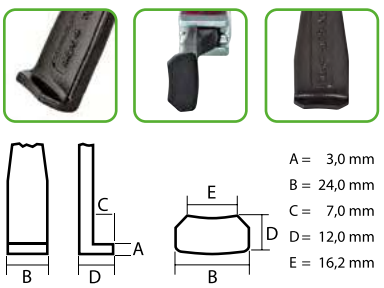
1 The claw
is also marked with this number.

Hook Types:

S Narrow Hooks



S-T Extremely narrow hooks



S-T-jaws S-jaws

SYSTEMATICS OF ITEM NUMBERS

COMPATIBILITY SPINDLE AND HYDRAULIC SERIES 8-HP

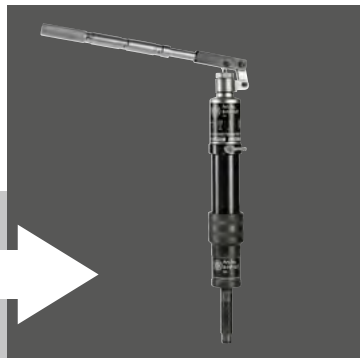
The hydraulic spindles of series 8-HP carry the diameter of the thread with the last two digits of the item number, thus establishing the reference to the mechanical spindle.

Item No. Spindle

Spindle	Ø a mm	b mm
6	21	170

Art.No. Hydraulic spindle

Hydraulic spindle with hand pump	Ø a mm
8-HP-6	21



COMPATIBILITY SPINDLE AND HYDRAULIC SERIES 8-0

The hydraulic spindles of series 8-0 carry the diameter of the thread with the last two digits of the item number, thus providing a reference to the mechanical spindle.

Item No. Spindle

Spindle	Ø a mm	b mm
6	21	170

Art.No. Hydraulic spindle

Long hydraulic spindle	Ø a mm
8-0-6	21

COMPATIBILITY SPINDLE AND POWERNUT

All mechanical spindles and Power Nuts are equipped with a speaking item number. Both item numbers include the diameter of the thread and thus allow for a quick assignment of the matching Power Nut to the respective spindle.

Item No. Spindle

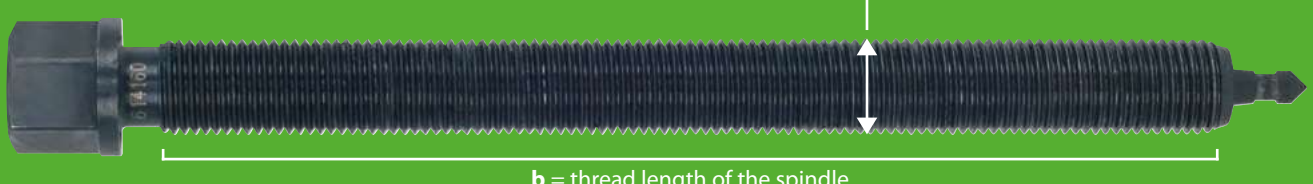
Spindle	Ø a mm	b mm
6	26	300

Art.No. Powernut

67	26	46
Power nut	Ø a mm	SW mm

ABBREVIATIONS:

Ø a = thread pitch of the spindle
b = thread length of the spindle



External extraction

Internal extraction

Separation

Removing

PULLING

Since 1919, KUKKO has specialized in the development, manufacturing, and optimization of pullers, which continue to be the core business today.

With 150 types of pullers and 500 sizes available, the pioneer of pulling presents a unique assortment variety.

The activities of pulling include:

- **External extraction**
- **Internal extraction**
- **Bearing separator**
- **Disassembly**

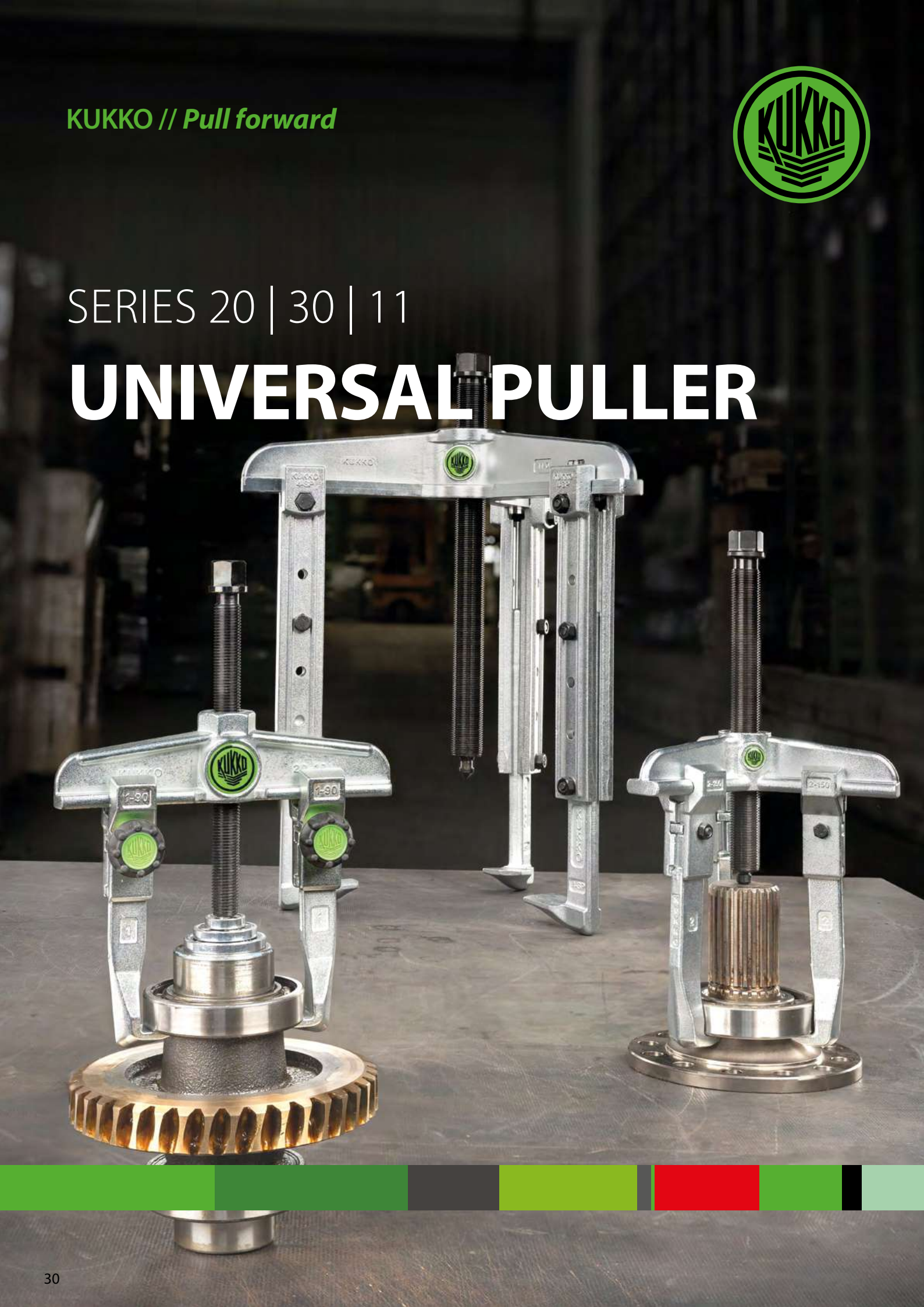

KUKKO
1-V-100
KUKKO
1-V-100
KUKKO

EXTERNAL EXTRACTION

During external extraction, the part to be removed, which is located on a shaft and is freely accessible from the outside, is grasped with the jaws from the outside. By tightening the spindle, the component is fixed. Subsequently, the hexagon at the spindle head is activated with an actuation tool until the component is released.

SERIES 20 | 30 | 11

UNIVERSAL PULLER



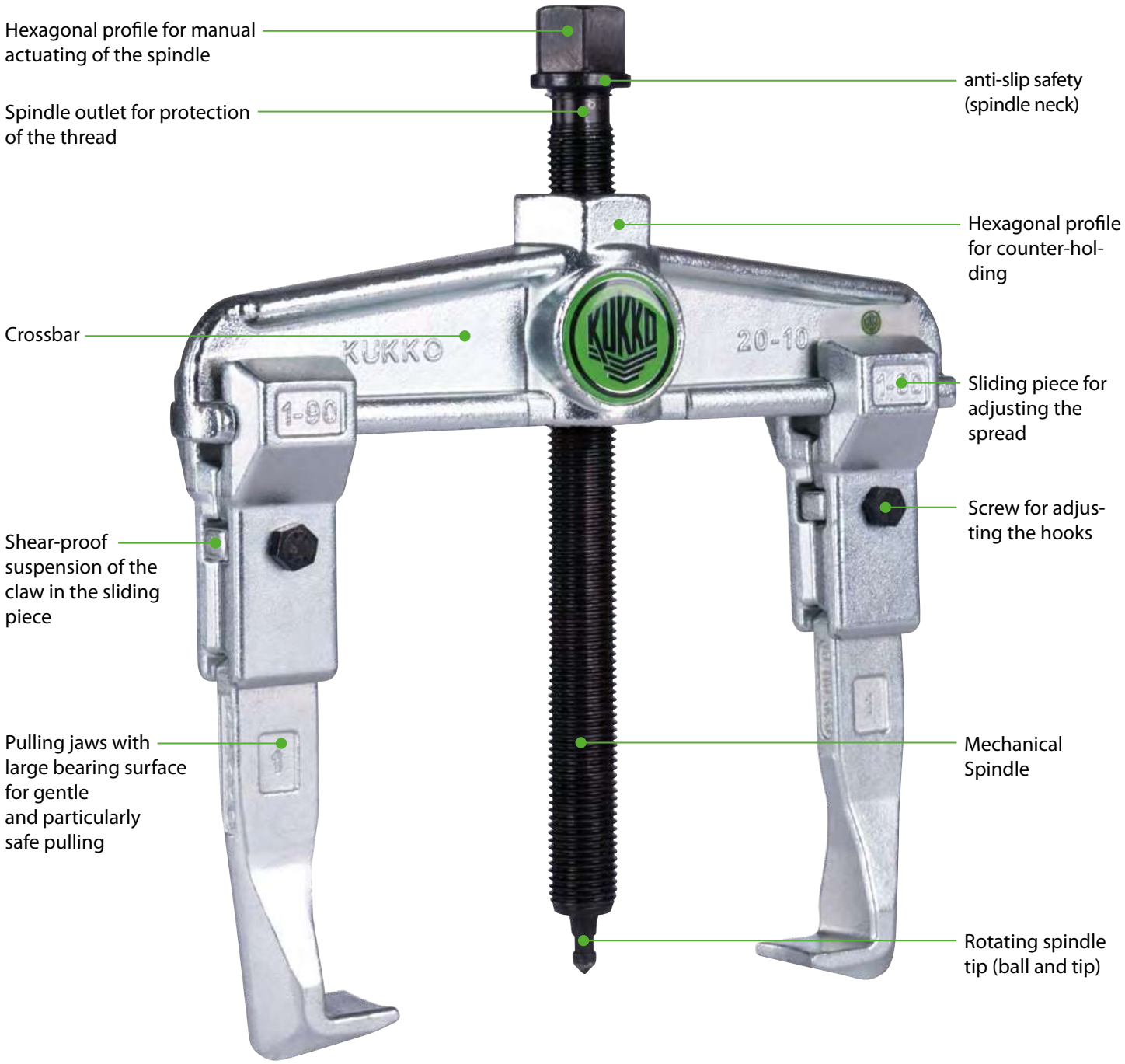
DEPLOYMENT

As a specialist in external extraction, KUKKO is the number 1 worldwide in terms of non-destructive disassembly. Since no extraction process is the same as another, choosing the right puller is a crucial factor. KUKKO offers the perfect solution for every specific pulling situation. The 2-jaw and 3-jaw universal pullers are used for extracting bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows for the release of any component that sits on a shaft and is freely accessible from the outside.

Benefits

- Application also for eccentric components using freely movable puller jaws sliding on the crossbar.
- Optional convertible from an external puller to an internal extractor by reversing the jaws.
- Variable adjustment for different spans (depending on the model)
- Safe mounting of the spindle through a rotatable spindle tip on both smooth surfaces and during centering (Switch Technology)
- 3-jaw provides an even force distribution and allows for greater extraction forces (series 11 & 30)

ASSEMBLY OF A UNIVERSAL PULLER



FEATURES OF THE SERIES

SERIES 20

2-jaw universal puller

20-10

The 2-jaw universal pullers of series 20 can be used universally even in confined spaces.

SERIES 30

3-jaw universal puller

30-10

Thanks to the 3-jaw design, the pullers of series 30 provide an even distribution of force, enabling even greater pulling forces.

SERIES 11

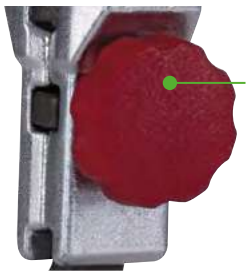
Extra powerful, 3-jaw universal puller with adjustable reach

11-1-AV

The extra strong universal pullers of series 11 guarantee due to their massive construction the pulling of particularly heavy components.

VARIANTS OF THE SERIES

Series 20+ / 30+



Simple, manual release of the jaws by knurling

Series 20x / 30x

Optimized form of the quick adjustment with ideal haptics

Series 20+S / 30+S & 20-S / 30-S / 20+S-T / 30+S+T & 20-S-T / 30-S-T

Narrow (Fig.) and extremely narrow hooks for tight and hard-to-reach gaps

Series 20-AV / 20-5/11

Extra powerful crossbar

Adjustable Depth Puller

Series 20-Classic-B / 20+B / 30-Classic-B and 30+B

The hydraulic spindle achieves an average tensile force of up to 20 t.

Series 20-AV / 20-5/11

Hydraulic Spindle 8-HP with hand pump for up to 12 t tension force

BOX SETS

The K-2030 series puller sets are equipped with universally applicable 2-jaw and 3-jaw pullers. Thanks to the diverse combination possibilities with hooks, crossbars, and extensions, the sets are used across various industries. Due to their exceptional quality, ergonomics, functionality, and user comfort, the K-2030 series has been awarded the Plus X Award as the Product of the Year 2022.

K-2030-20-S

K-2030-10+S

K-2030-1+A

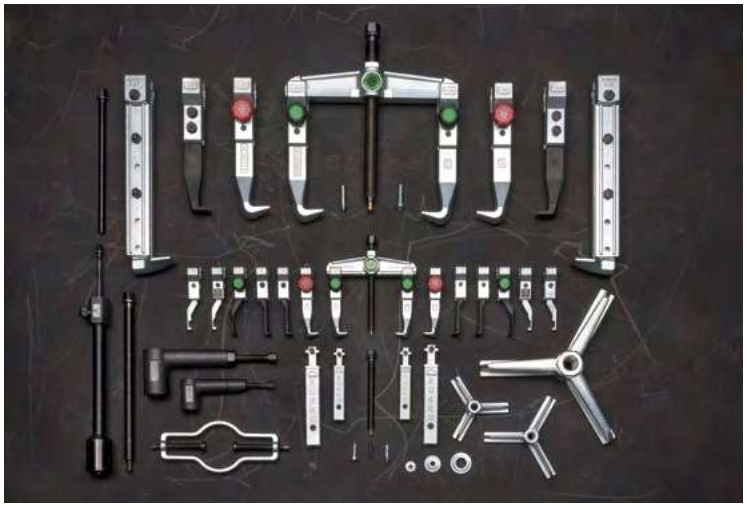
EXCELLENT WITH THE PLUS X AWARD

PLUS X AWARD
2021/2022| Ausgezeichnet für:
High Quality
Bedienkomfort
Funktionalität
Ergonomie
www.plusxaward.de

PLUS X AWARD®
ausgezeichnet als:
BESTES PRODUKT DES JAHRES 2022
www.plusxaward.de

THE MODULAR SYSTEM

The modular building block system is KUKKO's unique selling point. Thanks to limitless Mix&Match, 150 types of pullers can be combined in 500 variations. The centerpiece is always the spindle, which gives the puller its power. Various types of jaws and their extensions, 2-jaw and 3-jaw crossbars, and reversible spindle tips make the composition of the puller perfect. This offers users nearly endless possibilities to master their individual application case.



APPLICATION EXAMPLES

Removing a gear wheel with the 20-10

Removing a gear from a shaft with the 30-10+

The 30-10+S-C with extended, narrow jaws when removing a ball bearing

SERIES 20-CLASSIC
2-JAW UNIVERSAL PULLER

The 2-jaw universal puller is used for extracting bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It can loosen any component that sits on a shaft and is freely accessible from the outside. Equipped with robust and adjustable standard jaws, the puller all-rounder ensures particularly safe, non-destructive disassembly when performing external extraction as well as internal extraction.

Benefits

- Screw connection enables easy loosening and particularly tight fastening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counter-holding

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
20-1	-009433	0 - 90 0 - 3 5/8	100 4	100 - 120 3 15/16 - 4 3/4	17 11/16	80 59.01	45	4.5 4.96	1,35 2,977	24-A, 24-B, 20-ST, 24-C
20-10	-009921	0 - 130 0 - 5	100 4	95 - 160 3 3/4 - 6 5/16	17 11/16	80 59.01	45	4.5 4.96	1,42 3,131	K-2030-10, 20-ST
20-2	-009501	0 - 160 0 - 6	162 6	100 - 220 3 15/16 - 8 11/16	22 7/8	150 110.64	60	6 6.61	3,1 6,836	24-B, 20-ST, 24-C
20-20	-010088	0 - 200 0 - 8	162 6	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	60	6 6.61	3,22 7,100	K-2030-20, K-2030-20-B, 20-ST
20-3	-009686	0 - 250 0 - 10	210 8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	300 221.28	85	8.5 9.37	7,185 15,843	20-ST
20-30	-010163	0 - 350 0 - 14	200 8	180 - 440 7 1/16 - 17 5/16	27 1 1/16	300 221.28	85	8.5 9.37	7,525 16,593	-
20-4	-009761	15 - 520 9/16 - 21	209 8	200 - 590 7 7/8 - 23 1/4	36 1 7/16	400 295.04	120	12 13.23	14 30,870	-
20-40	-411861	15 - 650 9/16 - 26	300 12	200 - 710 7 7/8 - 27 15/16	36 1 7/16	400 295.04	120	12 13.23	16,36 36,074	-
20-1-2	-466311	0 - 90 0 - 3 5/8	200 8	70 - 140 2 3/4 - 5 1/2	17 11/16	80 59.01	45	4.5 4.96	1,985 4,377	-
20-1-25	-914362	0 - 90 0 - 3 5/8	250 10	70 - 140 2 3/4 - 5 1/2	17 11/16	80 59.01	45	4.5 4.96	8,5 18,743	-
20-1-4	-989643	0 - 90 0 - 3 5/8	400 16.	70 - 140 2 3/4 - 5 1/2	17 11/16	80 59.01	45	4.5 4.96	3,13 6,902	-
20-10-2	-466496	0 - 120 0 - 5	200 8	70 - 180 2 3/4 - 7 1/16	17 11/16	80 59.01	45	4.5 4.96	2,13 4,697	K-2030-10
20-10-25	-908682	0 - 120 0 - 5	250 10	70 - 180 2 3/4 - 7 1/16	17 11/16	80 59.01	45	4.5 4.96	2,45 5,402	K-2030-10
20-10-4	-989650	0 - 120 0 - 5	400 16	70 - 180 2 3/4 - 7 1/16	17 11/16	80 59.01	45	4.5 4.96	3,435 7,574	-
20-2-3	-466564	3,2 - 160 1/8 - 6	300 12	100 - 220 3 15/16 - 8 11/16	22 7/8	11 8.11	70	7 7.72	4,38 9,658	-
20-20-3	-466649	3,2 - 200 1/8 - 8	300 12	100 - 260 3 15/16 - 10 1/4	22 7/8	11 8.11	70	7 7.72	4,655 10,264	K-2030-20, K-2030-20-B
20-3-25	-901188	0 - 250 0 - 10	250 10	80 - 340 3 1/8 - 13 3/8	27 1 1/16	300 221.28	85	8.5 9.37	7,52 16,582	-
20-3-3	-466724	0 - 250 0 - 10	300 12	180 - 340 7 1/16 - 13 3/8	27 1 1/16	15 11.06	100	10 11.02	8,1 17,861	-
20-3-4	-467066	0 - 250 0 - 10	400 16	180 - 340 7 1/16 - 13 3/8	27 1 1/16	15 11.06	100	10 11.02	9,75 21,499	-
20-3-5	-467301	0 - 250 0 - 10	500 20	180 - 340 7 1/16 - 13 3/8	27 1 1/16	15 11.06	100	10 11.02	10,57 23,307	-
20-30-3	-466809	0 - 350 0 - 14	300 12	180 - 440 7 1/16 - 17 5/16	27 1 1/16	15 11.06	100	10 11.02	5,52 12,172	-
20-30-4	-467141	0 - 350 0 - 14	400 16	180 - 440 7 1/16 - 17 5/16	27 1 1/16	15 11.06	100	10 11.02	9,62 21,212	-
20-30-5	-467486	0 - 350 0 - 14	500 20	180 - 440 7 1/16 - 17 5/16	27 1 1/16	15 11.06	100	10 11.02	10,875 23,979	-
20-4-3	-466984	15 - 520 9/16 - 21	300 12	200 - 590 7 7/8 - 23 1/4	36 1 7/16	45 33.19	150	15 16.53	15,28 33,692	-
20-4-4	-467226	15 - 520 9/16 - 21	400 16	200 - 590 7 7/8 - 23 1/4	36 1 7/16	45 33.19	150	15 16.53	16,79 37,022	-
20-4-5	-467554	15 - 520 9/16 - 21	500 20	200 - 590 7 7/8 - 23 1/4	36 1 7/16	45 33.19	150	15 16.53	16,6 36,603	-
20-40-4	-730641	15 - 650 9/16 - 26	400 16	200 - 710 7 7/8 - 27 15/16	36 1 7/16	45 33.19	150	15 16.53	17,67 38,962	-
20-40-5	-731976	15 - 650 9/16 - 26	500 19 4/8	200 - 710 7 7/8 - 27 15/16	36 1 7/16	45 33.19	150	15 16.53	15,8 34,839	-
20-5	-009846	0 - 750 0 - 30	400 16-27	340 - 1.000 13 3/8 - 39 3/8	41 1 5/8	650 479.44	150	15 16.53	47 103,635	-

SERIES 20-AV
2-JAW UNIVERSAL PULLER WITH ADJUSTABLE REACH

The 2-jaw universal puller with adjustable reach is used for pulling bearings, gears, and discs in all common sizes for trades, workshops, and industry. The 20-5 is the largest of its kind in the world, making it the most powerful puller in the 20 series. It can loosen any component that sits on a shaft and is freely accessible from the outside. The puller adapts to any pulling situation due to its individually adjustable spread and reach, ensuring a particularly safe, non-destructive disassembly during both external extraction and internal extraction.

Benefits

- The screw connection allows easy loosening and particularly tight fastening of the jaws with an allen key.
- Application also for eccentric components through freely movable jaws gliding on the crossbar
- Variable adjustment for any span between 0 mm – 750 mm as well as reach depth between 500 mm – 750 mm
- Secure attachment of the spindle through a rotatable spindle tip on both smooth surfaces and during centering (Switch Technology)

Technical attributes

#					SW		**Max. tensile force**	**Max. tractive force**	
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
20-4-AV	-706233	0 - 520 0 - 21	500 19 11/16	200 - 590 7 7/8 - 23 1/4	36 1 7/16	400 295.04	120	12 13.23	2,74 6,042
20-40-AV	-973222	0 - 650 0 - 26	500 19 11/16	200 - 710 7 7/8 - 27 15/16	36 1 7/16	400 295.04	120	12 13.23	2 4,410
20-5-AV	-545313	0 - 750 0 - 29 1/2	750 29 1/2	340 - 1.000 13 3/8 - 39 3/8	41 1 5/8	650 479.44	150	15 16.53	45 99,225

SERIES 20-CLASSIC-B
2-JAW UNIVERSAL PULLER WITH ADJUSTABLE JAWS AND HYDRAULIC SPINDLE

The 2-jaw universal puller with adjustable jaws and hydraulic spindle is used for the particularly safe removal of extremely tight bearings, gears, and discs in all common sizes for trades, workshops, and industry. The hydraulic spindle achieves an average pulling force of up to 15 t. This allows you to loosen any component that is seated on a shaft and is freely accessible from the outside. For pulling operations with a pulling force of up to 10 t and/or in confined spaces, the mechanical spindle can be used.

Benefits

- Screw connection allows easy loosening and especially tight fastening of the jaws with an allen key
- The hydraulic spindle guarantees easy and controlled removal of particularly tight-fitting parts with minimal effort.
- In limited spatial conditions that require direct access to the component, the mechanical spindle can be used.
- The mechanical spindle has a rotating spindle tip for secure placement on smooth surfaces and during centering.

Technical attributes

#						Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
20-2-B	-885815	11 - 160 7/16 - 6 5/16	150 5 7/8	100 - 220 3 15/16 - 8 11/16	15 11.06	100	10 11.02	4,52 9,967	-
20-20-B	-885846	11 - 200 7/16 - 7 7/8	160 6 5/16	100 - 260 3 15/16 - 10 1/4	15 11.06	100	10 11.02	4,9 10,805	K-2030-20-B
20-3-B	-885891	0 - 250 0 - 9 13/16	200 7 7/8	180 - 340 7 1/16 - 13 3/8	20 14.75	120	12 13.23	9,525 21,003	-
20-30-B	-885945	0 - 350 0 - 13 3/4	200 7 7/8	180 - 440 7 1/16 - 17 5/16	20 14.75	120	12 13.23	9,665 21,311	-
20-4-B	-885983	5,4 - 520 3/16 - 20 1/2	200 7 7/8	200 - 590 7 7/8 - 23 1/4	45 33.19	150	15 16.53	20 44,100	-
20-40-B	-886010	5,4 - 650 3/16 - 25 9/16	300 11 13/16	200 - 710 7 7/8 - 27 15/16	45 33.19	150	15 16.53	24,12 53,185	-
20-2-3-B	-885808	3,2 - 160 1/8 - 6 5/16	300 11 13/16	100 - 220 3 15/16 - 8 11/16	15 11.06	100	10 11.02	5,6 12,348	-
20-20-3-B	-885839	3,2 - 200 1/8 - 7 7/8	300 11 13/16	100 - 260 3 15/16 - 10 1/4	15 11.06	100	10 11.02	5,835 12,866	K-2030-20-B
20-3-3-B	-885860	0 - 250 0 - 9 13/16	300 11 13/16	180 - 340 7 1/16 - 13 3/8	20 14.75	120	12 13.23	10,24 22,579	-
20-3-4-B	-885877	0 - 250 0 - 9 13/16	400 15 3/4	180 - 340 7 1/16 - 13 3/8	20 14.75	120	12 13.23	11,34 25,005	-
20-3-5-B	-885884	0 - 250 0 - 9 13/16	500 19 11/16	180 - 340 7 1/16 - 13 3/8	20 14.75	120	12 13.23	12,285 27,088	-
20-30-3-B	-885914	0 - 350 0 - 13 3/4	300 11 13/16	180 - 440 7 1/16 - 17 5/16	20 14.75	120	12 13.23	10,7 23,594	-
20-30-4-B	-885921	0 - 350 0 - 13 3/4	400 15 3/4	180 - 440 7 1/16 - 17 5/16	20 14.75	120	12 13.23	11,765 25,942	-
20-30-5-B	-885938	0 - 350 0 - 13 3/4	500 19 11/16	180 - 440 7 1/16 - 17 5/16	20 14.75	120	12 13.23	12,815 28,257	-
20-4-3-B	-885952	15 - 520 9/16 - 20 1/2	300 11 13/16	200 - 590 7 7/8 - 23 1/4	45 33.19	150	15 16.53	17,8 39,249	-
20-4-4-B	-885969	15 - 520 9/16 - 20 1/2	400 15 3/4	200 - 590 7 7/8 - 23 1/4	45 33.19	150	15 16.53	18,9 41,675	-
20-4-5-B	-885976	15 - 520 9/16 - 20 1/2	500 19 11/16	200 - 590 7 7/8 - 23 1/4	45 33.19	150	15 16.53	23,89 52,677	-
20-40-4-B	-885990	15 - 650 9/16 - 25 9/16	400 15 3/4	200 - 710 7 7/8 - 27 15/16	45 33.19	150	15 16.53	20,3 44,762	-
20-40-5-B	-886003	15 - 650 9/16 - 25 9/16	500 19 11/16	200 - 710 7 7/8 - 27 15/16	45 33.19	150	15 16.53	25,69 56,646	-

SERIES 20-H
2-JAW PULLER WITH HYDRAULIC SPINDLE

The 2-jaw universal puller with hydraulic spindle is suitable for pulling particularly stubborn bearings, gears, and discs with a pulling force of up to 20 t. Thanks to the integrated grease hydraulic, no external pump is required. The manually extendable lever arm can be swiveled 360°. The flexible connection thread on the spindle allows for the mounting of numerous puller tools from the KUKKO range, depending on thread size.

Benefits

- The screw connection allows easy loosening and particularly tight fastening of the jaws with an allen key.
- Application also for eccentric components through freely movable jaws gliding on the crossbar
- Variable adjustment for any span between 0 mm – 750 mm as well as reach depth between 210 mm – 750 mm
- Fat hydraulic spindle ensures easy and controlled removal of tightly seated parts with minimal effort.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
20-3-H	-786839	0 - 250 0 - 9 13/16	210 8 1/4	180 - 340 7 1/16 - 13 3/8	120	12 13.23	7,53 16,604
20-30-H	-786914	0 - 350 0 - 13 3/4	210 8 1/4	180 - 440 7 1/16 - 17 5/16	120	12 13.23	8,375 18,467
20-4-H	-227981	15 - 520 9/16 - 20 1/2	209 8 1/4	200 - 590 7 7/8 - 23 1/4	120	12 13.23	24,21 53,383
20-40-H	-732218	15 - 650 9/16 - 25 9/16	300 11 13/16	200 - 710 7 7/8 - 27 15/16	120	12 13.23	28,29 62,379
20-5-H	-228063	105 - 750 4 1/8 - 29 1/2	750 29 1/2	340 - 1.000 13 3/8 - 39 3/8	120	20 22.05	54 119,070

K-2030-20
15-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW)

The 15-piece Universal Puller Set of the Series 2030 is used for 2-jaw and 3-jaw pulling of large bearings, gears, discs, etc. in craft, industry, and workshop. The Series 2030 impresses with its diverse combination possibilities. The kit allows the assembly of 7 different variants through the combination of puller jaws and extensions. The robust design is particularly suitable for large and heavy applications in industry and commercial vehicles.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-2030-20	-123252	10 - 200 3/8 - 7 7/8	600 23 5/8	100 - 260 3 15/16 - 10 1/4	22 7/8	70	7 7.72	14,575 32,138	621220, 621355, 600-17, 2-150-S, 2-300-S, 2-V-150-P, 30-20-T, 2-150-E, 2-300-E, 20-20-T, 30-20-T3

K-2030-10
13-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW)

The 13-piece Universal Puller Set from the 2030 series is used for 2-jaw and 3-jaw pulling of bearings, gears, discs, etc. in craftsmanship, industry, and workshops. The 2030 series impresses with its diverse combination options. The kit allows for the assembly of 8 different variants through the combination of puller jaws and extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	4021176				SW	Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
K-2030-10	-974748	0 - 130 0 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	60	6 6.61	9,19 20,264	20-10, 30-10-T, 614250, 1-190-S, 1-250-S

K-2030-20-B
16-PIECE HYDRAULIC UNIVERSAL PULLER SET (2-JAW AND 3-JAW)

The 16-piece universal puller set from series 2030 is used for hydraulic, 2-jaw and 3-jaw pulling of large bearings, gears, disks, etc. in craft, industry, and workshop. The series 2030 impresses with its diverse combination options. The assembly set allows the combination of hydraulics, puller jaws, and extensions to create 14 different variants. The powerful design is particularly suitable for large and heavy applications in industry and commercial vehicles.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	4021176				Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
K-2030-20-B	-123269	10 - 200 3/8 - 7 7/8	600 23 5/8	100 - 260 3 15/16 - 10 1/4	100	10 11.02	15,94 35,148	621220, 621355, 600-17, 8-0-621, 2-150-S, 2-300-S, 2-V-150-S, 30-20-T3, 2-150-E, 2-300-E, 20-20-T, 30-20-T3

20-ST
SALES DISPLAY FOR 2-JAW UNIVERSAL PULLERS

The sales display for 2-jaw universal pullers is the ideal solution for the presentation and storage of various sizes of 2-jaw universal pullers. The 2-jaw universal pullers are used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows for the loosening of any component that is seated on a shaft and freely accessible from the outside. Equipped with robust and adjustable standard jaws, the puller all-rounder ensures particularly safe, non-destructive disassembly both during external extraction and internal extraction.

Benefits

- The sales and workshop stand provides an organized storage and presentation of the 2-jaw pullers.
- The screw connection allows for easy loosening and particularly tight fastening of the Abzugshaken with a hex key.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#									Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
20-ST	-010248	630 24 13/16	250 9 13/16	330 12 1	0 - 250 0 - 9 13/16	210 8 1/4	100 - 340 3 15/16 - 13 3/8	300 221.28	85	8.5 9.37	2,16 4,763	20-1, 20-10, 20-2, 20-20, 20-3, 20-STL

SERIES 20-P
2-JAW UNIVERSAL PULLER WITH ADJUSTABLE JAWS IN SET

The 2-jaw universal puller with adjustable jaws is used for particularly safe pulling of bearings, gears, and discs in all common sizes for crafts, workshops, and industry. With the equipment of 2 pairs of jaws in various lengths, pulling processes with diverse combinations and depths are made possible. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside.

Benefits

- The screw connection allows easy loosening and particularly tight fastening of the jaws with an allen key.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding
- Variable adjustment for any spread between 0 mm – 350 mm

Technical attributes

#					SW		Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
20-10-P3	-267611	9 - 130 3/8 - 5 1/8	350 13 3/4	95 - 160 3 3/4 - 6 5/16	17 11/16	80 59.01	45	4.5 4.96	3,97 8,754	K-2030-10
20-20-P2	-003004	10 - 200 3/8 - 7 7/8	300 11 13/16	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	60	6 6.61	5,95 13,120	K-2030-20, K-2030-20-B
20-30-P3	-003011	0 - 350 0 - 13 3/4	400 15 3/4	180 - 440 7 1/16 - 17 5/16	27 1 1/16	300 221.28	85	8.5 9.37	17,1 37,706	-

SERIES 20-S
2-JAW UNIVERSAL PULLER WITH NARROW EXTRACTOR JAWS

The 2-jaw universal puller with narrow jaws is used for safely removing bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It allows for the release of any component that is mounted on a shaft and is freely accessible from the outside. The narrow jaws ensure that even tight and poorly accessible spaces can be reached.

Benefits

- Narrow jaws grip optimally in tight and hard-to-reach places.
- The screw connection allows easy loosening and particularly tight fastening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#					SW		Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
20-1-S	-757396	11 - 90 7/16 - 3 5/8	100 4	70 - 140 2 3/4 - 5 1/2	17 11/16	35 25.82	25	2.5 2.76	1,245 2,745	20-ST-S
20-10-S	-757471	4 - 120 3/16 - 5	100 4	70 - 180 2 3/4 - 7 1/16	17 11/16	35 25.82	25	2.5 2.76	1,365 3,010	K-2030-10-S, 20-ST-S
20-2-S	-727368	16 - 160 5/8 - 6	150 6	100 - 220 3 15/16 - 8 11/16	22 7/8	120 88.51	50	5 5.51	3,5 7,718	20-ST-S
20-20-S	-727443	16 - 200 5/8 - 8	150 6	100 - 260 3 15/16 - 10 1/4	22 7/8	120 88.51	50	5 5.51	3,285 7,243	K-2030-20-S, 20-ST-S
20-3-S	-727511	21 - 250 13/16 - 10	200 8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	90	9 9.92	6,81 15,016	20-ST-S
20-30-S	-727696	21 - 350 13/16 - 14	200 8	180 - 440 7 1/16 - 17 5/16	27 1 1/16	250 184.40	90	9 9.92	7,38 16,273	-

SERIES K-2030-20-S
15-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH NARROW PULLER JAWS

The 15-piece universal puller set with narrow jaws from series 2030 is used for 2-jaw and 3-jaw pulling of large bearings, gears, disks, etc. for tight and difficult-to-access spaces in crafts, industry, and workshops. The series 2030 impresses with its versatile combination options. The kit allows for the assembly of 14 different variants through the combination of puller jaws and extensions. The robust design is particularly suitable for large and heavy applications in industry and commercial vehicles.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#					SW	Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
K-2030-20-S	-123276	10 - 200 3/8 - 7 7/8	600 23 5/8	100 - 260 3 15/16 - 10 1/4	22 7/8	50	5 5.51	14,5 31,973	621220, 621355, 600-17, 2-151-S, 2-301-S, 2-V-150-P, 30-20-T, 2-151-E, 20-20-T, 30-20-T3, 2-301-E

SERIES K-2030-10-S
13-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH NARROW PULLER JAWS

The 13-piece universal puller set with narrow puller jaws from series 2030 is used for 2-jaw and 3-jaw pulling of bearings, gears, discs, etc. in tight and hard-to-reach spaces in craft, industry, and workshop. The series 2030 convinces with its numerous combination options. The kit enables the assembly of 8 different variants through the combination of puller jaws and extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-2030-10-S	-306181	0 - 130 0 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	30	3 3.31	8,92 19,669	20-10-S, 614250, 30-10-T, 1-191-S, 1-251-S

SERIES 20-ST-S
SALES DISPLAY FOR 2-JAW UNIVERSAL PULLERS WITH NARROW JAWS

The sales display for 2-jaw universal pullers is the ideal solution for the presentation and storage of various sizes of 2-jaw universal pullers. The 2-jaw universal pullers with narrow puller jaws are used for the safe removal of bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. The narrow puller jaws ensure that even tight and difficult-to-access spaces can be reached.

Benefits

- The sales and workshop stand provides organized storage and presentation of the 2-jaw pullers.
- Narrow jaws grip optimally in tight and hard-to-reach spots.
- The screw connection allows for easy loosening and particularly tight fastening of the jaws with a hex key.
- Application also with eccentric components through freely movable puller hooks sliding on the crossbar.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
20-ST-S	-906282	630 24 13/16	250 9 13/16	330 12 1	4 - 250 3/16 - 9 13/16	200 7 7/8	70 - 340 2 3/4 - 13 3/8	250 184.40	70	7 7.72	19,67 43,372	20-1-S, 20-10-S, 20-2-S, 20-20-S, 20-3-S, 20-STL

SERIES 20-SP
2-JAW UNIVERSAL PULLER WITH NARROW JAWS IN SET

The 2-jaw universal puller with narrow, adjustable jaws is used for safely removing bearings, gears, and discs in all common sizes for craftsmanship, workshops, and industry. The equipment with three pairs of jaws in various lengths allows for extraction processes with diverse combinations and depths. This enables the loosening of any component that sits on a shaft and is freely accessible from the outside. The narrow jaws ensure access to even tight and poorly accessible spaces.

Benefits

- Narrow puller jaws grip optimally in tight and hard-to-reach areas.
- Screw connection allows for easy loosening and particularly tight fastening of the jaws with a hex key.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#					SW		Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
20-10-SP	-461514	11 - 120 7/16 - 4 3/4	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	35 25.82	25	2.5 2.76	3,69 8,136	K-2030-10-S
20-20-SP	-701856	26 - 200 1 1/32 - 7 7/8	300 11 13/16	100 - 260 3 15/16 - 10 1/4	22 7/8	120 88.51	50	5 5.51	5,83 12,855	K-2030-20-S
20-30-SP	-701931	21 - 350 13/16 - 13 3/4	400 15 3/4	180 - 440 7 1/16 - 17 5/16	27 1 1/16	250 184.40	70	7 7.72	16,68 36,779	-

SERIES 20-S-T
2-JAW UNIVERSAL PULLER WITH EXTREMELY NARROW JAWS

The 2-jaw universal puller with extremely narrow jaws and trapezoidal support surface on the claw is used for the safe removal of transmission gears, bearings, sprockets, synchronizer bodies, and similar components. This allows for the loosening of any component that is seated on a shaft and is accessible from the outside. The special design of the jaws ensures that even very tight and poorly accessible gaps can be reached.

Benefits

- The extremely slim design of the puller jaws grips optimally in tight and hard-to-reach places.
- The screw connection allows for easy loosening and particularly tight fastening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#					SW		Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
20-1-S-T	-321641	16 - 90 5/8 - 3 9/16	100 3 15/16	70 - 140 2 3/4 - 5 1/2	17 11/16	35 25.82	25	2.5 2.76	1,18 2,602	-
20-10-S-T	-201097	16 - 120 5/8 - 4 3/4	100 3 15/16	70 - 180 2 3/4 - 7 1/16	17 11/16	35 25.82	25	2.5 2.76	1,32 2,911	K-2030-10-S-T

SERIES K-2030-10-S-T
13-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH EXTREMELY NARROW PULLER JAWS

The 13-piece universal puller set with extremely narrow jaws of series 2030 is used for 2-jaw and 3-jaw pulling of gearbox gears, bearings, pinions, synchronizers, etc., for extremely tight and poorly accessible intermediate spaces in crafts, industry, and workshops. The series 2030 impresses with its diverse combination options. The kit allows for the assembly of 8 different variants by combining jaws and extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-2030-10-S-T	-852022	0 - 130 0 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	30	3 3.31	8,85 19,514	20-10-S-T, 30-10-T, 614250, 1-194-E, 1-254-E

SERIES 20-SP-T
2-JAW UNIVERSAL PULLER WITH EXTREMELY NARROW JAWS IN SET

The 2-jaw universal puller with extremely narrow, adjustable jaws and trapezoidal support surface on the claw is used for safely removing gear wheels, bearings, pinions, synchronizer bodies, and similar components. The equipment is supplied with 3 pairs of jaws in different lengths, allowing removal processes with various combinations and reach depths. This allows for the removal of any component that is mounted on a shaft and is freely accessible from the outside. The extremely narrow jaws ensure that even very tight and poorly accessible gaps can be reached.

Benefits

- The extremely slim design of the puller jaws grips optimally in tight and hard-to-reach places.
- The screw connection allows easy loosening and particularly tight tightening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
20-10-SP-T	-321658	16 - 120 5/8 - 4 3/4	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	35 25.82	25	2.5 2.76	3,74 8,247	K-2030-10-S-T

SERIES 20+
2-JAW UNIVERSAL PULLER WITH QUICKLY ADJUSTABLE JAWS

The 2-jaw universal puller is used for extracting bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It can loosen any component that sits on a shaft and is freely accessible from the outside. Equipped with robust and adjustable standard jaws, the puller all-rounder ensures particularly safe, non-destructive disassembly when performing external extraction as well as internal extraction.

Benefits

- The screw connection allows easy loosening and particularly tight fastening of the jaws with an allen key.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counter-holding
- Variable adjustment for any spread between 0 mm – 350 mm

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
20-1+	-644771	9 - 90 3/8 - 3 5/8	100 4	100 - 120 3 15/16 - 4 3/4	17 11/16	80 59.01	45	4.5 4.96	1,27 2,800	K-2030-1+A, K-20-1+S-T, K-20-1-2+B, 20-ST+, 20+ST+S, K-20-15
20-10+	-644856	10 - 130 3/8 - 5	100 4	95 - 160 3 3/4 - 6 5/16	17 11/16	80 59.01	45	4.5 4.96	1,44 3,175	K-2030-10+, 20-ST+
20-10+2	-773310	10 - 130 3/8 - 5 1/8	200 7 7/8	95 - 160 3 3/4 - 6 5/16	17 11/16	80 59.01	45	4.5 4.96	2,145 4,730	K-2030-10+, 20+ST+S
20-2+	-644931	10 - 160 3/8 - 6	162 6	100 - 220 3 15/16 - 8 11/16	22 7/8	150 110.64	60	6 6.61	3,45 7,607	K-20-1-2+B, 20-ST+, K-20-15
20-2+3	-773327	10 - 160 3/8 - 6 5/16	300 11 13/16	100 - 220 3 15/16 - 8 11/16	22 7/8	150 110.64	60	6 6.61	4,615 10,176	20+ST+S
20-20+	-645013	10 - 200 3/8 - 8	162 6	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	60	6 6.61	3,315 7,310	K-2030-20+S, K-2030-20+S+B, 20-ST+
20-3+	-645198	0 - 250 0 - 10	210 8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	300 221.28	85	8.5 9.37	7,5 16,538	20-ST+
20-30+	-645273	0 - 350 0 - 14	200 8	180 - 440 7 1/16 - 17 5/16	27 1 1/16	300 221.28	85	8.5 9.37	7,51 16,560	-

SERIES 20+B
2-JAW UNIVERSAL PULLER WITH QUICKLY ADJUSTABLE JAWS AND HYDRAULIC SPINDLE

The 2-jaw universal puller with quickly adjustable jaws and hydraulic spindle is used for particularly safe and user-friendly extraction of extremely tight bearings, gears, and discs in all common sizes for craft, workshop, and industry. The hydraulic spindle achieves an average pulling force of a maximum of 12 t. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. For extraction processes with a pulling force of up to 10 t and/or in confined spaces, the mechanical spindle can be used.

Benefits

- Simple manual release of the puller jaws via hand knob (Quick Adjust Technology)
- The hydraulic spindle guarantees easy and controlled removal of particularly stubborn parts with minimal effort.
- In limited spatial conditions that require direct access to the component, the mechanical spindle can be used.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
20-2+B	-885792	11 - 160 7/16 - 6 5/16	150 5 7/8	100 - 220 3 15/16 - 8 11/16	15 11.06	100	10 11.02	4,665 10,286	K-20-1-2+B, K-20-15
20-20+B	-885822	11 - 200 7/16 - 7 7/8	160 6 5/16	100 - 260 3 15/16 - 10 1/4	15 11.06	100	10 11.02	4,26 9,393	K-2030-20+S+B
20-3+B	-885853	0 - 250 0 - 9 13/16	200 7 7/8	180 - 340 7 1/16 - 13 3/8	20 14.75	120	12 13.23	8,9 19,625	-
20-30+B	-885907	0 - 350 0 - 13 3/4	200 7 7/8	180 - 440 7 1/16 - 17 5/16	20 14.75	120	12 13.23	9,625 21,223	-

SERIES K-2030-10+S+T
13-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW)

The 13-piece universal puller set from series 2030 is used for 2-jaw and 3-jaw pulling of bearings, gears, discs, etc. in tight and hard-to-reach spaces in crafts, industry, and workshops. The series 2030 impresses with its versatile combination options. The kit allows for the assembly of 24 different variants by combining 3 different types of puller jaws and several extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#					SW	max. Zug-kraft	max. Zug-kraft		Bestandteile
		mm	mm	mm	mm	kN	t	kg	
K-2030-10+S+T	4021176100765	0 - 130	350	70 - 180	17	60	6	9	30-10-T, 614250, 20-10+S, 1-192-S, 1-255-S

SERIES K-2030-10+
13-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH QUICK-ADJUSTABLE JAWS

The 13-piece universal puller set with quickly adjustable jaws of the 2030 series is used for 2-jaw and 3-jaw pulling of bearings, gears, discs, etc. in crafts, industry, and workshops. The 2030 series impresses with its versatile combination options. The set allows for the assembly of 8 different variants through the combination of jaws and extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the given pull-off situation, easily adjustable and configurable for a variety of applications.
- With 2-jaw or 3-jaw, you are always flexible in use.

Technical attributes

#					SW	Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
K-2030-10+	-001697	0 - 130 0 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	60	6 6.61	9,26 20,418	30-10-T, 614250, 1-192-S, 1-252-S, 20-10+

SERIES K-2030-1+A
13-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH NARROW, QUICKLY ADJUSTABLE JAWS

The 13-piece universal puller set (2-jaw and 3-jaw) with narrow, quickly adjustable puller jaws from series 2030 is used for pulling bearings, gears, discs, etc. in tight and hard-to-reach spaces in crafts, industry, and workshops. The series 2030 impresses with its versatile combinations. The kit allows for the assembly of 8 different variants by combining puller jaws and extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-2030-1+A	-242311	9 - 90 3/8 - 3 9/16	200 7 7/8	100 - 120 3 15/16 - 4 3/4	17 11/16	45	4.5 4.96	4,755 10,485	600-17, 20-1-T, 30-1-T, 614160, 1-V-100-S, 1-92-S, 1-93-S

SERIES K-20-1-2+B
14-PIECE UNIVERSAL PULLER (2-JAW) SET WITH QUICK ADJUSTMENT, HYDRAULIC SPINDLE, AND EXTENSIONS

The 14-piece universal puller set with quick adjustment, hydraulic spindle, and extensions from the K-20-1-2+B series is used for 2-jaw pulling of normal and particularly seized bearings, gears, discs, etc. in crafts, industry, and workshops. The series impresses with its diverse design possibilities. The \"6 in 1\" kit allows the assembly of 6 different puller models through the combination of hydraulics, puller jaws, and extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through the hooks for different spans, you are always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-20-1-2+B	-935923	0 - 160 0 - 6 5/16	0 - 300 0 - 11 13/16	100 - 220 3 15/16 - 8 11/16	100	10 11.02	0 0,000	20-1+, 20-2+, 8-0-621, 600-17, 1-192-P, 2-302-P

SERIES K-20-15
12-PIECE UNIVERSAL PULLER AND SEPARATOR SET

The 12-piece Universal Puller and Separator Set of the K-20-15 series is used for hydraulic pulling and separating of ball bearings, roller bearings, inner rings, and other flush-mounted parts in crafts, industry, and workshops. The kit allows the assembly of 7 different puller models through the combination of puller jaws and extensions. Together with the separating devices of the 15 series and the hydraulic spindle, various combination options arise for optimal use in changing pulling situations.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- The hydraulic spindle enables gentle and safe extraction.

Technical attributes

#	EAN	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-20-15	-367311	9 - 160 3/8 - 6 5/16	0 - 312 0 - 12 5/16	100 - 220 3 15/16 - 8 11/16	68 - 244 2 11/16 - 9 5/8	260 10 1/4	22 - 115 7/8 - 4 1/2	100	10 11.02	21,61 47,650	600-17, 8-0-621, 15-2, 18-2, 20-1+, 20-2+, 1-192-P, 2-302-P

SERIES 20-ST+
SALES DISPLAY FOR 2-JAW UNIVERSAL PULLERS WITH QUICK-ADJUSTABLE JAWS

The sales display for 2-jaw universal pullers is the ideal solution for the presentation and storage of various sizes of 2-jaw universal pullers. The 2-jaw universal pullers are used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows for the loosening of any component that is seated on a shaft and freely accessible from the outside. Equipped with robust and adjustable standard jaws, the puller all-rounder ensures particularly safe, non-destructive disassembly both during external extraction and internal extraction.

Benefits

- The sales and workshop stand provides organized storage and presentation of the 2-jaw pullers.
- The screw connection allows for easy loosening and particularly tight fastening of the Abzugshaken with a hex key.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#	EAN	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	Nm/ ft lb	Max. tensile force kN	Max. tractive force t/ US t. sh.	kg/lb	Components
20-ST+	-668944	630 24 13/16	250 9 13/16	330 12 1	0 - 250 0 - 9 13/16	210 8 1/4	100 - 340 3 15/16 - 13 3/8	300 221.28	85	8.5 9.37	2,2 4,851	20-STL, 20-1+, 20-10+, 20-2+, 20-20+, 20-3+

SERIES 20+S
2-JAW UNIVERSAL PULLER WITH NARROW, QUICK-ADJUSTABLE EXTRACTOR JAWS

The 2-jaw universal puller with narrow, quickly adjustable jaws is used for the safe and user-friendly removal of bearings, gears, and discs in all common sizes for craft, workshop, and industry. This allows for the loosening of any component seated on a shaft and freely accessible from the outside. The narrow jaws ensure that even tight and hard-to-reach gaps can be accessed.

Benefits

- Narrow pulling jaws grip optimally in tight and hard-to-reach places.
- Simple manual release of the {Abzugshaken} using hand knob (Quick Adjust Technology)
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
20-1+S	-756221	4 - 90 3/16 - 3 5/8	100 4	70 - 140 2 3/4 - 5 1/2	17 11/16	35 25.82	25	2.5 2.76	1,27 2,800	KS-2030-1-193xS, K-2030-1+A, KS-2030-1-193+S, 20-ST+S
20-10+S	-756306	4 - 120 3/16 - 5	100 4	70 - 180 2 3/4 - 7 1/16	17 11/16	35 25.82	25	2.5 2.76	1,42 3,131	K-2030-10+S, 20-ST+S, 20+ST+S
20-2+S	-756481	16 - 160 5/8 - 6	150 6	100 - 220 3 15/16 - 8 11/16	22 7/8	120 88.51	50	5 5.51	3,4 7,497	20-ST+S, 20+ST+S
20-20+S	-756559	16 - 200 5/8 - 8	150 6	100 - 260 3 15/16 - 10 1/4	22 7/8	120 88.51	50	5 5.51	3,3 7,277	K-2030-20+S, K-2030-20+S+B, 20-ST+S
20-3+S	-756634	21 - 250 13/16 - 10	200 8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	90	9 9.92	6,885 15,181	20-ST+S
20-30+S	-756719	21 - 350 13/16 - 14	200 8	180 - 440 7 1/16 - 17 5/16	27 1 1/16	250 184.40	90	9 9.92	7,37 16,251	-

SERIES K-2030-10+S
13-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH NARROW, QUICK-ADJUSTING JAWS

The 13-piece universal puller set with narrow, quick-adjustable jaws from series 2030 is used for 2-jaw and 3-jaw pulling of bearings, gears, discs, etc. in tight and hard-to-reach spaces in craftsmanship, industry, and workshops. The series 2030 impresses with its versatile combination options. The kit allows for the assembly of 8 different variants by combining the jaws and extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-2030-10+S	-120060	0 - 130 0 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	30	3 3.31	8,5 18,743	20-10+S, 30-10-T, 614250, 1-193-S, 1-253-S

SERIES K-2030-20+S
15-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH TWO DIFFERENT PULLER JAW TYPES

The 15-piece universal puller set with two different types of puller jaws from series 2030 is used universally for 2-jaw and 3-jaw extraction of gearbox gears, bearings, sprockets, and synchronizers in crafts, industry, and workshops. The series 2030 impresses with its diverse combination possibilities. This set includes the basic equipment of 2-jaw and 3-jaw pullers needed for universal work. Additionally, the set is equipped with two variants of puller jaws to provide even more possibilities in application. The robust design is particularly suitable for large and heavy applications in industry and commercial vehicles and enables the assembly of 14 different variants.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-2030-20+S	-058677	10 - 200 3/8 - 7 7/8	260 10 1/4	150 - 600 5 7/8 - 23 5/8	22 7/8	50	5 5.51	14,76 32,546	621220, 621355, 2-152-P, 2-153-P, 2-302-P, 2-V-150-P, 20-20-T, 30-20-T3, 30-20-T3, 600-17, 20-30-T

SERIES K-2030-20+S+B
16-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH TWO DIFFERENT TYPES OF PULLER JAWS AND HYDRAULIC SPINDLE

The 16-piece universal puller set, featuring two different types of jaws and a hydraulic spindle of the series 2030, is used for universal applications in the 2-jaw and 3-jaw pulling of gearbox gears, bearings, sprockets, and synchronizers in craft, industry, and workshops. The series 2030 impresses with its versatile combination options. This set includes the basic equipment of 2-jaw and 3-jaw pullers needed for universal work. Additionally, the set is equipped with two variants of jaws to provide even more possibilities in application. The robust design is particularly suitable for large and heavy applications in industry and commercial vehicles, allowing for the assembly of 28 different variants.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through 2-jaw or 3-jaw design, one is always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-2030-20+S+B	-487422	10 - 200 3/8 - 7 7/8	260 10 1/4	150 - 600 5 7/8 - 23 5/8	100	10 11.02	14,22 31,355	621220, 621355, 2-152-P, 2-153-P, 2-302-P, 2-V-150-P, 8-0-621, 20-20-T, 30-20-T3, 600-17

SERIES KS-2030-1-193+S 9-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH NARROW JAWS

The 9-piece Universal Puller Set with narrow puller jaws from the series KS-2030-1-193+S is used for pulling bearings, gears, discs, etc. in tight and hard-to-reach spaces in crafts, industry, and workshops. The kit allows switching between 2-jaw and 3-jaw pullers and different jaws, resulting in 4 different variations.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Narrow puller jaws optimally grip in tight and hard-to-reach places.
- Simple manual release of jaws using hand knob (Quick Adjust Technology)

Technical attributes

#					SW	Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
KS-2030-1-193+S	-967399	0 - 90 0 - 3 9/16	0 - 200 0 - 7 7/8	70 - 140 2 3/4 - 5 1/2	17 11/16	45	4.5 4.96	4,22 9,305	20-1+S, 1-193-S, 1-93-E, 30-1-T

SERIES K-20-1+S-T 8-PIECE UNIVERSAL PULLER (2-JAW) SET WITH EXTENSIONS

The 8-piece universal puller set with extensions is used for universal applications in the 2-jaw removal of gearbox gears, bearings, sprockets, and synchronizers in all common sizes for craft, workshop, and industry. This allows loosening any component seated on a shaft and freely accessible from the outside. Equipped with robust and adjustable standard jaws, the puller all-rounder ensures a particularly safe, non-destructive disassembly during both external and internal extraction. This set enables the assembly of 4 different puller models through variable combinations of standard and S-jaws and extensions, thereby ensuring maximum universal application.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- The screw connection allows easy loosening and especially tight fastening of the jaws with a hex key.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#					SW	Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
K-20-1+S-T	-102608	0 - 90 0 - 3 9/16	0 - 200 0 - 7 7/8	70 - 140 2 3/4 - 5 1/2	17 11/16	45	4.5 4.96	2,64 5,821	20-1+S, 1-95-P, 1-V-100-P, 1-92-P

SERIES 20-ST+S
SALES DISPLAY FOR 2-JAW UNIVERSAL PULLER WITH NARROW, QUICKLY ADJUSTABLE JAWS

The display for 2-jaw universal pullers is the ideal solution for the presentation and storage of various sizes of 2-jaw universal pullers. The 2-jaw universal pullers with narrow, quick-adjusting jaws are used for the safe and user-friendly removal of bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows any component that is on a shaft and freely accessible from the outside to be loosened. The narrow jaws ensure that even tight and hard-to-reach spaces can be accessed.

Benefits

- The sales and workshop stand provides organized storage and presentation of the 2-jaw pullers.
- Narrow jaws grip optimally in tight and hard-to-reach spots.
- Simple manual release of the jaws via hand knob (Quick Adjust Technology)
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.

Technical attributes

#	EAN	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	Nm/ ft lb	Max. tensile force kN	Max. tractive force t/ US t. sh.	kg/lb	Components
20-ST+S	-998812	630 24 13/16	250 9 13/16	330 12 1	4 - 250 3/16 - 9 13/16	200 7 7/8	70 - 340 2 3/4 - 13 3/8	250 184.40	70	7 7.72	19,87 43,813	20-1+S, 20-10+S, 20-2+S, 20-20+S, 20-3+S, 20-STL

SERIES 20+SP
2-JAW UNIVERSAL PULLER WITH NARROW, QUICKLY ADJUSTABLE JAWS IN SET

The 2-jaw universal puller with narrow, quickly adjustable extractor jaws is used for safely and user-friendly extracting of bearings, gears, and discs in all common sizes for craftsmanship, workshops, and industry. Equipped with three pairs of extractor jaws in various lengths, extraction processes with diverse combinations and depths are made possible. This allows for the removal of any component seated on a shaft that is freely accessible from the outside. The narrow extractor jaws ensure that tight and poorly accessible spaces can also be reached.

Benefits

- Narrow jaws grip optimally in tight and hard-to-reach places.
- Simple manual release of the {Abzugshaken} using hand knob (Quick Adjust Technology)
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
20-10+SP	-181061	16 - 120 5/8 - 4 3/4	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	35 25.82	25	2.5 2.76	3,875 8,544	K-2030-10+S
20-20+SP	-181078	16 - 200 5/8 - 7 7/8	300 11 13/16	100 - 260 3 15/16 - 10 1/4	22 7/8	120 88.51	50	5 5.51	5,96 13,142	-
20-30+SP	-181085	21 - 350 13/16 - 13 3/4	400 15 3/4	180 - 440 7 1/16 - 17 5/16	27 1 1/16	250 184.40	70	7 7.72	18,12 39,955	-

SERIES 20+S-T
2-JAW UNIVERSAL PULLER WITH EXTREMELY NARROW, QUICKLY ADJUSTABLE JAWS

The 2-jaw universal puller with extremely narrow, quickly adjustable jaws and trapezoidal support surfaces on the claw is used for safely and user-friendly pulling of transmission gears, bearings, sprockets, synchronizer bodies, and similar components. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. The trapezoidal support surfaces of the claw ensure that even very tight and hard-to-reach spaces are accessible.

Benefits

- The extremely slim design of the jaws optimally engages in extremely tight and hard-to-reach spots.
- Simple manual release of the {Abzugshaken} using hand knob (Quick Adjust Technology)
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
20-1+S-T	-321344	16 - 90 5/8 - 3 9/16	100 3 15/16	70 - 140 2 3/4 - 5 1/2	17 11/16	35 25.82	25	2.5 2.76	1,215 2,679	K-20-1+S-T
20-10+S-T	-321368	16 - 120 5/8 - 4 3/4	100 3 15/16	70 - 180 2 3/4 - 7 1/16	17 11/16	35 25.82	25	2.5 2.76	1,35 2,977	K-2030-10+S-T

SERIES K-2030-10+S-T
13-PIECE UNIVERSAL PULLER SET (2-JAW AND 3-JAW) WITH EXTREMELY NARROW, QUICK-ADJUSTING JAWS

The 13-piece universal puller set with extremely narrow, quickly adjustable jaws of series 2030 is used for the 2-jaw and 3-jaw pulling of gear wheels, bearings, sprockets, synchronizers, etc. for extremely tight and hard-to-reach spaces in craft, industry, and workshop. The series 2030 impresses with its diverse combination possibilities. The kit enables the assembly of 8 different variants by combining jaws and extensions.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Depending on the existing extraction situation, it can be easily adjusted and configured for a variety of applications.
- Through two- or three-jaw design, you are always flexible in use.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-2030-10+S-T	-001710	0 - 130 0 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	30	3 3.31	8,91 19,647	20-10+S-T, 30-10-T, 614250, 1-195-S, 1-255-S

SERIES 20+ST+S
SALES DISPLAY FOR 2-JAW UNIVERSAL PULLER WITH NARROW, QUICKLY ADJUSTABLE JAWS

The display for 2-jaw universal pullers is the ideal solution for the presentation and storage of various sizes of 2-jaw universal pullers. The 2-jaw universal pullers with narrow, quick-adjusting jaws are used for the safe and user-friendly removal of bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows any component that is on a shaft and freely accessible from the outside to be loosened. The narrow jaws ensure that even tight and hard-to-reach spaces can be accessed.

Benefits

- The sales and workshop stand provides organized storage and presentation of the 2-jaw pullers.
- Narrow puller jaws grip optimally in tight and inaccessible places.
- Simple manual release of the jaws via hand knob (Quick Adjust Technology)
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.

Technical attributes

#	EAN	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	Nm/ ft lb	Max. tensile force kN	Max. tractive force t/ US t. sh.	kg/lb	Components
20+ST+S	-773303	630 24 13/16	250 9 13/16	216 8 1/2	9 - 160 3/8 - 6 5/16	300 11 13/16	100 - 220 3 15/16 - 8 11/16	150 110.64	60	6 6.61	16,27 35,875	20-1+, 20-10+S, 20-2+S, 20-10+2, 20-2+3, 20-STL

SERIES 20X
2-JAW UNIVERSAL PULLER WITH QUICKLY ADJUSTABLE JAWS

The 2-jaw universal puller with quickly adjustable jaws is used for extracting bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It can release any component sitting on a shaft and freely accessible from the outside. Equipped with robust standard jaws and hand knobs for maximum operating comfort, this all-rounder puller ensures particularly safe, very user-friendly, and non-destructive disassembly during both external extraction and internal pulling.

Benefits

- Simple, manual solution of the Jaw clamps using hand knobs (Quick Adjust Technology)
- Optimized quick adjustment form guarantees an exceptionally good haptics (even with wet or oily hands)
- Quick-adjustable jaws guarantee immediate adjustment to any spread between 0 mm – 350 mm

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
20-1x NEW	-041471	9 - 90 3/8 - 3 9/16	100 3 15/16	100 - 120 3 15/16 - 4 3/4	17 11/16	80 59.01	65	6.5 7.17	1,315 2,900	20x-ST
20-10x NEW	-041464	10 - 130 3/8 - 5 1/8	100 3 15/16	95 - 160 3 3/4 - 6 5/16	17 11/16	80 59.01	65	6.5 7.17	1,46 3,219	20x-ST
20-2x NEW	-041495	10 - 160 3/8 - 6 5/16	162 6 3/8	100 - 220 3 15/16 - 8 11/16	22 7/8	150 110.64	80	8 8.82	3,65 8,048	20x-ST
20-20x NEW	-041488	10 - 200 3/8 - 7 7/8	162 6 3/8	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	80	8 8.82	3,395 7,486	20x-ST, K-2030-20xS
20-3x NEW	-041525	0 - 250 0 - 9 13/16	210 8 1/4	180 - 340 7 1/16 - 13 3/8	27 1 1/16	300 221.28	105	10.5 11.57	1,325 2,922	20x-ST
20-30x NEW	-041518	0 - 350 0 - 13 3/4	200 7 7/8	180 - 440 7 1/16 - 17 5/16	27 1 1/16	300 221.28	105	10.5 11.57	1,325 2,922	-

SERIES 30-CLASSIC
3-JAW UNIVERSAL PULLER

The 3-jaw universal puller is used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It allows you to loosen any component that sits on a shaft and is freely accessible from the outside. Equipped with robust and adjustable standard jaws, the puller all-rounder ensures particularly safe, non-destructive disassembly both during external extraction and internal extraction. The 3-jaw design guarantees even load distribution and thus a particularly secure hold on the part being pulled.

Benefits

- Screw connection enables easy loosening and particularly tight fastening of the jaws with an allen key
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#					SW		Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
30-1	-013393	0 - 90 0 - 3 5/8	100 4	70 - 140 2 3/4 - 5 1/2	17 11/16	80 59.01	60	6 6.61	1,53 3,374	-
30-10	-013621	0 - 130 0 - 5	100 4	70 - 180 2 3/4 - 7 1/16	17 11/16	80 59.01	60	6 6.61	1,59 3,506	K-2030-10
30-2	-013478	0 - 160 0 - 6	150 6	100 - 220 3 15/16 - 8 11/16	22 7/8	150 110.64	70	7 7.72	3,815 8,412	-
30-20	-013706	0 - 200 0 - 8	150 6	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	70	7 7.72	4,14 9,129	K-2030-20, K-2030-20-B
30-3	-013546	0 - 250 0 - 10	200 8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	100	10 11.02	9,615 21,201	-
30-30	-303005	105 - 375 4 1/8 - 14	200 8	180 - 440 7 1/16 - 17 5/16	36 1 7/16	250 184.40	150	15 16.53	17,43 38,433	-
30-4	-303302	105 - 375 4 1/8 - 15	200 8	200 - 590 7 7/8 - 23 1/4	36 1 7/16	500 368.80	150	15 16.53	17,88 39,425	-
30-40	-303319	125 - 520 4 15/16 - 21	200 8	200 - 710 7 7/8 - 27 15/16	41 1 5/8	500 368.80	150	15 16.53	22,64 49,921	-
30-5	-303326	87 - 650 3 7/16 - 26	300 8	290 - 740 11 7/16 - 29 1/8	41 1 5/8	650 479.44	200	20 22.05	31,71 69,921	-
30-1-2	-730726	0 - 90 0 - 3 5/8	200 8	70 - 140 2 3/4 - 5 1/2	17 11/16	80 59.01	60	6 6.61	2,445 5,391	-
30-10-2	-730801	0 - 130 0 - 5	200 8	70 - 180 2 3/4 - 7 1/16	17 11/16	80 59.01	60	6 6.61	2,63 5,799	K-2030-10
30-2-3	-730986	5 - 160 3/16 - 6	300 12	100 - 220 3 15/16 - 8 11/16	22 7/8	150 110.64	70	7 7.72	5,565 12,271	-
30-20-3	-731068	5 - 200 3/16 - 8	300 12	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	70	7 7.72	5,98 13,186	K-2030-20, K-2030-20-B
30-3-25	-901256	0 - 250 0 - 10	250 10	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	100	10 11.02	10,195 22,480	-
30-3-3	-731143	0 - 250 0 - 10	300 12	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	100	10 11.02	11,305 24,928	-
30-3-4	-731228	0 - 250 0 - 10	400 16	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	100	10 11.02	12,86 28,356	-
30-3-5	-731303	0 - 250 0 - 10	500 20	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	100	10 11.02	14,385 31,719	-

SERIES 30-CLASSIC-B
3-JAW UNIVERSAL PULLER WITH ADJUSTABLE JAWS AND HYDRAULIC SPINDLE

The 2-jaw universal puller with adjustable jaws and hydraulic spindle is used for particularly safe pulling of extremely stuck bearings, gears, and discs in all common sizes for crafts, workshops, and industry. The hydraulic spindle achieves an average pulling force of up to 12 t. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. For pulling operations with a pulling force of up to 10 t and/or in confined spaces, the mechanical spindle can be used. The 3-jaw design guarantees an even load distribution, providing particularly secure hold on the component being pulled.

Benefits

- The screw connection enables easy loosening and particularly tight fastening of the jaws with an allen key.
- 3-jaw ensures an even distribution of force and allows for greater pulling forces
- Hydraulic spindle ensures easy and controlled removal of particularly tight-fitting parts with minimal effort.
- In limited space conditions that require direct access to the component, the mechanical spindle can be used.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	Nm	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
30-2-B	-886317	0 - 160 0 - 6 5/16	150 5 7/8	100 - 220 3 15/16 - 8 11/16	15 11.06	12	100	10 11.02	5,48 12,083	-
30-20-B	-886348	0 - 200 0 - 7 7/8	150 5 7/8	100 - 260 3 15/16 - 10 1/4	15 11.06	12	100	10 11.02	5,695 12,557	K-2030-20-B
30-3-B	-886393	0 - 250 0 - 9 13/16	200 7 7/8	180 - 340 7 1/16 - 13 3/8	20 14.75	15	120	12 13.23	11,45 25,247	-
30-30-B	-303104	0 - 375 0 - 14 3/4	200 7 7/8	180 - 440 7 1/16 - 17 5/16	45 33.19	45	150	15 16.53	11,1 24,476	-
30-2-3-B	-886300	5 - 160 3/16 - 6 5/16	300 11 13/16	100 - 220 3 15/16 - 8 11/16	15 11.06	12	100	10 11.02	5,6 12,348	-
30-20-3-B	-886331	5 - 200 3/16 - 7 7/8	300 11 13/16	100 - 260 3 15/16 - 10 1/4	15 11.06	12	100	10 11.02	7,38 16,273	K-2030-20-B
30-3-3-B	-886362	0 - 250 0 - 9 13/16	300 11 13/16	180 - 340 7 1/16 - 13 3/8	20 14.75	15	120	12 13.23	10,8 23,814	-
30-3-4-B	-886379	0 - 250 0 - 9 13/16	400 15 3/4	180 - 340 7 1/16 - 13 3/8	20 14.75	15	120	12 13.23	14,73 32,480	-
30-3-5-B	-886386	0 - 250 0 - 9 13/16	500 19 11/16	180 - 340 7 1/16 - 13 3/8	20 14.75	15	120	12 13.23	16,41 36,184	-

SERIES 30-P
3-JAW UNIVERSAL PULLER SET

The 3-jaw universal puller with adjustable jaws is used for safely removing bearings, gears, and discs in all common sizes for crafts, workshops, and industry. With its three pairs of jaws in different lengths, various combinations and depths of pull-out processes are possible. This allows any component seated on a shaft and accessible from the outside to be removed. The 3-jaw design guarantees even load distribution and thus a particularly secure grip on the part being removed.

Benefits

- Screw connection enables easy loosening and particularly tight fastening of the jaws with an allen key
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
30-10-P3	-111136	0 - 130 0 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	80 59.01	60	6 6.61	5,335 11,764	K-2030-10
30-20-P2	-111150	5 - 200 3/16 - 7 7/8	300 11 13/16	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	70	7 7.72	7,635 16,835	K-2030-20, K-2030-20-B
30-3-P3	-111174	0 - 250 0 - 9 13/16	400 15 3/4	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	100	10 11.02	23,86 52,611	-

SERIES 30-S
3-JAW UNIVERSAL PULLER WITH NARROW JAWS

The 3-jaw universal puller with narrow jaws is used for safely removing bearings, gears, and discs in all common sizes for craft, workshop, and industry. It allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. The narrow jaws ensure that even tight and poorly accessible spaces can be reached. The 3-jaw design guarantees an even load distribution and thus a particularly secure hold on the part being pulled.

Benefits

- Narrow puller jaws grip optimally in tight and hard-to-reach areas.
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- Screw connection allows easy loosening and very tight tightening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
30-1-S	-727771	8 - 90 5/16 - 3 5/8	100 4	70 - 140 2 3/4 - 5 1/2	17 11/16	40 29.50	30	3 3.31	1,335 2,944	-
30-10-S	-728198	8 - 130 5/16 - 5	100 4	70 - 180 2 3/4 - 7 1/16	17 11/16	40 29.50	30	3 3.31	1,52 3,352	K-2030-10-S
30-2-S	-727856	16 - 160 5/8 - 6	150 6	100 - 220 3 15/16 - 8 11/16	22 7/8	120 88.51	50	5 5.51	3,78 8,335	-
30-20-S	-727931	16 - 200 5/8 - 8	150 6	100 - 260 3 15/16 - 10 1/4	22 7/8	120 88.51	50	5 5.51	4,08 8,996	K-2030-20-S
30-3-S	-728013	2 - 250 1/16 - 10	200 8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	390 287.66	135	13.5 14.88	9,365 20,650	-

SERIES 30-SP
3-JAW UNIVERSAL PULLER WITH NARROW JAWS IN SET

The 3-jaw universal puller with narrow, adjustable jaws is used for safely pulling bearings, gears, and discs. The inclusion of three pairs of jaws in various lengths allows for pulling operations with different combinations and depths. This makes it possible to release any component that sits on a shaft and is freely accessible from the outside. The narrow jaws ensure that even tight and hard-to-reach spaces are accessible. The 3-jaw design guarantees an even load distribution and thus a particularly secure grip on the part being pulled.

Benefits

- The extremely slim design of the jaws optimally engages in extremely tight and hard-to-reach spots.
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.
- Screw connection allows easy loosening and very tight tightening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. Tractive force t/US t. sh.	kg/lb	Included in the set
30-10-SP	-463839	8 - 130 5/16 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	40 29.50	30	3 3.31	5,11 11,268	K-2030-10-S
30-20-SP	-728273	11 - 200 7/16 - 7 7/8	300 11 13/16	100 - 260 3 15/16 - 10 1/4	22 7/8	120 88.51	50	5 5.51	7,66 16,890	K-2030-20-S
30-3-SP	-728358	2 - 250 1/16 - 9 13/16	400 15 3/4	180 - 340 7 1/16 - 13 3/8	27 1 1/16	220 162.27	70	7 7.72	23,67 52,192	-

SERIES 30-S-T
3-JAW UNIVERSAL PULLER WITH EXTREMELY NARROW JAWS

The 3-jaw universal puller with extremely narrow jaws and trapezoidal support surface at the claw is used for securely pulling gear wheels, bearings, sprockets, synchronizers, and similar components. This allows for the loosening of any component mounted on a shaft that is freely accessible from the outside. The special design of the jaws ensures that even very tight and hard-to-reach spaces can be accessed. The 3-jaw design guarantees a uniform load distribution and thus a particularly secure grip on the part being pulled.

Benefits

- The extremely slim design of the jaws is optimal for tight and hard-to-reach places.
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- The screw connection allows easy loosening and particularly tight fastening of the jaws with an allen key.
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
30-1-S-T	-321689	13 - 90 1/2 - 3 9/16	100 3 15/16	70 - 140 2 3/4 - 5 1/2	17 11/16	40 29.50	30	3 3.31	1,335 2,944	-
30-10-S-T	-321696	13 - 130 1/2 - 5 1/8	100 3 15/16	70 - 180 2 3/4 - 7 1/16	17 11/16	40 29.50	30	3 3.31	1,475 3,252	K-2030-10-S-T

SERIES 30-SP-T
3-JAW UNIVERSAL PULLER WITH EXTREMELY NARROW JAWS IN SET

The 3-jaw universal puller with extremely narrow, adjustable jaws and trapezoidal support surface on the claw is used for safely pulling gear wheels, bearings, pinions, synchronizer bodies, and similar components. Equipped with three pairs of jaws in different lengths, it enables pulling operations with various combinations and depths. This allows for the removal of any component that is on a shaft and freely accessible from the outside. The extremely narrow jaws ensure that even very tight and hard-to-reach spaces can be accessed. The 3-jaw design guarantees an even load distribution, providing a particularly secure grip on the part being pulled.

Benefits

- The extremely slim design of the puller jaws grips optimally in tight and hard-to-reach places.
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.
- Screw connection allows easy loosening and very tight tightening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
30-10-SP-T	-770272	13 - 130 1/2 - 5 1/8	350 13 3/4	70 - 180 2 3/4 - 7 1/16	17 11/16	40 29.50	30	3 3.31	5,055 11,146	K-2030-10-S-T

SERIES 30+
3-JAW UNIVERSAL PULLER WITH QUICK-ADJUSTABLE EXTRACTOR JAWS

The 3-jaw universal puller with quickly adjustable jaws is used for pulling bearings, gears, and discs in all common sizes for craft, workshop, and industry. It allows for loosening any component that sits on a shaft and is freely accessible from the outside. Equipped with robust standard jaws and practical hand knobs, the puller all-rounder ensures a particularly safe, user-friendly, and non-destructive disassembly both for external extraction and internal extraction. The 3-jaw design guarantees an even load distribution and thus a particularly secure grip on the part being pulled.

Benefits

- Simple manual release of the jaws using hand knobs (Quick Adjust Technology)
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.

Technical attributes

#					SW		Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
30-1+	-731488	0 - 90 0 - 3 5/8	100 4	70 - 140 2 3/4 - 5 1/2	17 11/16	80 59.01	60	6 6.61	1,46 3,219	K-2030-1+A
30-10+	-731556	0 - 130 0 - 5	100 4	70 - 180 2 3/4 - 7 1/16	17 11/16	80 59.01	60	6 6.61	1,6 3,528	K-2030-10+
30-2+	-731631	0 - 160 0 - 6	150 6	100 - 220 3 15/16 - 8 11/16	22 7/8	150 110.64	70	7 7.72	3,8 8,379	-
30-20+	-731716	0 - 200 0 - 8	150 6	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	70	7 7.72	4,8 10,584	K-2030-20+S, K-2030-20+S+B
30-3+	-731891	0 - 250 0 - 10	200 8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	100	10 11.02	8,8 19,404	-
30-30+	-303333	105 - 375 4 1/8 - 14 3/4	200 7 7/8	180 - 440 7 1/16 - 17 5/16	36 1 7/16	250 184.40	150	15 16.53	1,635 3,605	-

SERIES 30+B
3-JAW UNIVERSAL PULLER WITH QUICKLY ADJUSTABLE EXTRACTOR JAWS AND HYDRAULIC SPINDLE

The 3-jaw universal puller with quickly adjustable jaws and hydraulic spindle is used for particularly safe and user-friendly extraction of extremely stuck bearings, gears, and disks in all common sizes for trade, workshop, and industry. The hydraulic spindle achieves an average pulling force of up to 15 t. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. For extraction operations with pulling forces of up to 10 t and/or in confined spaces, the mechanical spindle can be used. The 3-jaw design ensures even load distribution and thus a particularly secure grip on the part to be extracted.

Benefits

- Simple manual release of the jaws using hand knobs (Quick Adjust Technology)
- Fat hydraulic spindle guarantees an easy and controlled removal of particularly stubborn parts with little effort.
- In limited space conditions that require direct access to the component, the mechanical spindle can be used.

Technical attributes

#						Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
30-2+B	-886294	0 - 160 0 - 6 5/16	150 5 7/8	100 - 220 3 15/16 - 8 11/16	15 11.06	100	10 11.02	5,345 11,786	-
30-20+B	-886324	0 - 200 0 - 7 7/8	150 5 7/8	100 - 260 3 15/16 - 10 1/4	15 11.06	100	10 11.02	5,64 12,436	K-2030-20+S+B
30-3+B	-886355	0 - 250 0 - 9 13/16	200 7 7/8	180 - 340 7 1/16 - 13 3/8	20 14.75	120	12 13.23	11,43 25,203	-
30-30+B	-303067	0 - 375 0 - 14 3/4	200 7 7/8	180 - 440 7 1/16 - 17 5/16	45 33.19	150	15 16.53	19 41,895	-

SERIES 30+S
3-JAW UNIVERSAL PULLER WITH NARROW, QUICK-ADJUSTABLE JAWS

The 3-jaw universal puller with narrow, quick-adjustable jaws is used for the safe and user-friendly extraction of bearings, gears, and disks in all common sizes for crafts, workshops, and industry. It allows for the removal of any component that sits on a shaft and is freely accessible from the outside. The narrow jaws ensure that even tight and difficult-to-access spaces can be reached. The 3-jaw design guarantees even load distribution and thus a particularly secure grip on the part being removed.

Benefits

- Narrow puller jaws grip optimally in tight and hard-to-reach places.
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- Simple manual release of the puller jaws via hand knob (Quick Adjust Technology)
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
30-1+S	-756894	8 - 90 5/16 - 3 5/8	100 4	70 - 140 2 3/4 - 5 1/2	17 11/16	40 29.50	30	3 3.31	1,46 3,219	KS-2030-1-193xS, K-2030-1+A, KS-2030-1-193+S
30-10+S	-756979	8 - 130 5/16 - 5	100 4	70 - 180 2 3/4 - 7 1/16	17 11/16	40 29.50	30	3 3.31	1,54 3,396	K-2030-10+S
30-2+S	-757051	16 - 160 5/8 - 6	150 6	100 - 220 3 15/16 - 8 11/16	22 7/8	120 88.51	50	5 5.51	3,785 8,346	-
30-20+S	-757136	16 - 200 5/8 - 8	150 6	100 - 260 3 15/16 - 10 1/4	22 7/8	120 88.51	50	5 5.51	4,12 9,085	K-2030-20+S, K-2030-20+S+B
30-3+S	-757211	2 - 250 1/16 - 10	200 8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	390 287.66	135	13.5 14.88	9,3 20,507	-

SERIES 30+S-T
3-JAW UNIVERSAL PULLER WITH EXTREMELY NARROW, QUICKLY ADJUSTABLE JAWS

The 3-jaw universal puller with extremely narrow, quickly adjustable jaws and trapezoidal support surfaces at the claw is used for the safe and user-friendly removal of gearbox gears, bearings, pinions, synchronizers, and similar components. This allows any component that is seated on a shaft and is freely accessible from the outside to be removed. The trapezoidal support surfaces of the claw ensure that very tight and hard-to-reach gaps are also accessible. The 3-jaw design guarantees an even load distribution and thus a particularly secure grip on the part being removed.

Benefits

- The extremely slim design of the jaws optimally engages in extremely tight and hard-to-reach spots
- 3-jaw provides an even distribution of forces and enables greater pulling forces.
- Simple manual release of the jaws using hand knobs (Quick Adjust Technology)
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
30-1+S-T	-321320	13 - 90 1/2 - 3 9/16	100 3 15/16	70 - 140 2 3/4 - 5 1/2	17 11/16	40 29.50	30	3 3.31	1,345 2,966	-
30-10+S-T	-321337	13 - 130 1/2 - 5 1/8	100 3 15/16	70 - 180 2 3/4 - 7 1/16	17 11/16	40 29.50	30	3 3.31	1,535 3,385	K-2030-10+S-T

SERIES 30X
3-JAW UNIVERSAL PULLER WITH QUICK-ADJUSTABLE EXTRACTOR JAWS

The 3-jaw universal puller with quickly adjustable jaws is used for pulling bearings, gears, and discs in all common sizes for craft, workshop, and industry. It allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. Equipped with robust standard jaws and hand knobs for maximum user comfort, the puller all-rounder ensures particularly safe, user-friendly, and non-destructive disassembly both for external extraction and internal extraction. The 3-jaw design guarantees an even load distribution and thus particularly secure grip on the part being pulled.

Benefits

- Simple, manual solution of the Jaw clamps using hand knobs (Quick Adjust Technology)
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
30-1x NEW	-041549	0 - 90 0 - 3 9/16	100 3 15/16	70 - 140 2 3/4 - 5 1/2	17 11/16	80 59.01	80	8 8.82	1,56 3,440	-
30-10x NEW	-041532	0 - 130 0 - 5 1/8	100 3 15/16	70 - 180 2 3/4 - 7 1/16	17 11/16	80 59.01	80	8 8.82	1,715 3,782	-
30-2x NEW	-041563	0 - 160 0 - 6 5/16	150 5 7/8	100 - 220 3 15/16 - 8 11/16	22 7/8	150 110.64	90	9 9.92	4,025 8,875	-
30-20x NEW	-041556	0 - 200 0 - 7 7/8	150 5 7/8	100 - 260 3 15/16 - 10 1/4	22 7/8	150 110.64	90	9 9.92	4,44 9,790	K-2030-20xS
30-3x NEW	-041587	0 - 250 0 - 9 13/16	200 7 7/8	180 - 340 7 1/16 - 13 3/8	27 1 1/16	250 184.40	120	12 13.23	8,8 19,404	-
30-30x NEW	-041570	105 - 375 4 1/8 - 14 3/4	200 7 7/8	180 - 440 7 1/16 - 17 5/16	36 1 7/16	250 184.40	170	17 18.74	17,43 38,433	-

SERIES 11-A
EXTRA POWERFUL, 3-JAW UNIVERSAL PULLER

The extra-strong 3-jaw universal puller is used for pulling heavy bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It allows you to loosen any component that is mounted on a shaft and is freely accessible from the outside. Equipped with robust and adjustable standard jaws, the solid construction of the puller ensures powerful, non-destructive disassembly during both external extraction and internal extraction. The 3-jaw design guarantees even load distribution and thus a particularly secure grip on the part to be pulled.

Benefits

- Screw connection allows easy loosening and particularly tight fastening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Variable adjustment to any spread between 105 mm – 650 mm

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
11-0-A	-005886	105 - 375 4 1/8 - 14 3/4	200 7 7/8	220 - 500 8 11/16 - 19 11/16	36 1 7/16	500 368.80	150	15 16.53	17,99 39,668
11-0-A3	-729263	105 - 375 4 1/8 - 14 3/4	300 11 13/16	220 - 500 8 11/16 - 19 11/16	36 1 7/16	500 368.80	150	15 16.53	19,5 42,998
11-0-A4	-729348	105 - 375 4 1/8 - 14 3/4	400 15 3/4	220 - 500 8 11/16 - 19 11/16	36 1 7/16	500 368.80	150	15 16.53	18,6 41,013
11-0-A5	-729423	105 - 375 4 1/8 - 14 3/4	500 19 11/16	220 - 500 8 11/16 - 19 11/16	36 1 7/16	500 368.80	150	15 16.53	22,78 50,230
11-1-A	-075421	125 - 520 4 15/16 - 20 1/2	200 7 7/8	280 - 600 11 1/32 - 23 5/8	41 1 5/8	650 479.44	200	20 22.05	22,72 50,098
11-1-A3	-729591	125 - 520 4 15/16 - 20 1/2	300 11 13/16	280 - 600 11 1/32 - 23 5/8	41 1 5/8	650 479.44	200	20 22.05	24,34 53,670
11-1-A4	-729676	125 - 520 4 15/16 - 20 1/2	400 15 3/4	280 - 600 11 1/32 - 23 5/8	41 1 5/8	650 479.44	200	20 22.05	28 61,740
11-1-A5	-729751	125 - 520 4 15/16 - 20 1/2	500 19 11/16	280 - 600 11 1/32 - 23 5/8	41 1 5/8	650 479.44	200	20 22.05	27,57 60,792
11-2-A	-006203	155 - 650 6 1/8 - 25 9/16	200 7 7/8	290 - 740 11 7/16 - 29 1/8	41 1 5/8	650 479.44	200	20 22.05	25 55,125
11-2-A3	-706158	155 - 650 6 1/8 - 25 9/16	300 11 13/16	290 - 740 11 7/16 - 29 1/8	41 1 5/8	650 479.44	200	20 22.05	26,25 57,881
11-2-A4	-729836	155 - 650 6 1/8 - 25 9/16	400 15 3/4	290 - 740 11 7/16 - 29 1/8	41 1 5/8	650 479.44	200	20 22.05	26 57,330
11-2-A5	-729911	155 - 650 6 1/8 - 25 9/16	500 19 11/16	290 - 740 11 7/16 - 29 1/8	41 1 5/8	650 479.44	200	20 22.05	27,6 60,858

SERIES 11-AV
EXTRA STRONG, 3-JAW UNIVERSAL PULLER WITH ADJUSTABLE REACH

The extra robust 3-jaw universal puller with adjustable reach is used for removing heavy bearings, gears, and discs in all common sizes for craft, workshop, and industry. It allows for loosening any component that sits on a shaft and is freely accessible from the outside. The solid construction of the puller adapts to any pulling situation with its individually adjustable spread and reach, guaranteeing powerful, damage-free disassembly both for external extraction and internal extraction. The 3-jaw design ensures even weight distribution and thus a particularly secure grip on the part to be pulled.

Benefits

- Screw connection enables easy loosening and particularly tight fastening of the jaws with an allen key
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- Application also for eccentric components via freely movable, sliding jaws on the traverse.
- Variable adjustment to any spread between 37 mm – 650 mm and reach depth between 300 mm – 450 mm

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
11-0-AV	-730078	37 - 375 1 7/16 - 15	450 12-20	220 - 500 8 11/16 - 19 11/16	36 1 7/16	500 368.80	150	15 16.53	23,1 50,936
11-1-AV	-730153	57 - 520 2 1/4 - 21	450 12-20	280 - 600 11 1/32 - 23 5/8	41 1 5/8	650 479.44	200	20 22.05	3,39 7,475
11-2-AV	-730238	87 - 650 3 7/16 - 26	450 12-20	290 - 740 11 7/16 - 29 1/8	41 1 5/8	650 479.44	200	20 22.05	34 74,970

SERIES 11-B
EXTRA POWERFUL, 3-JAW UNIVERSAL PULLER WITH HYDRAULIC SPINDLE

The extra strong, 3-jaw universal pullers with hydraulic spindle are used for pulling off heavy, particularly stubborn bearings, gears, and discs in all common sizes for craft, workshop, and industry. The hydraulic spindle achieves an average pulling force of up to 20 t. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. Equipped with robust standard jaws, the massive construction of series 11-B ensures powerful, non-destructive disassembly during both external extraction and internal pulling. The 3-jaw design guarantees even load distribution and therefore a particularly secure grip on the part being pulled.

Benefits

- Screw connection enables easy loosening and particularly tight fastening of the jaws with an allen key
- The hydraulic spindle ensures an easy and controlled withdrawal of particularly stubborn parts with minimal effort.
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
11-0-B	-075346	105 - 375 4 1/8 - 14 3/4	200 7 7/8	220 - 500 8 11/16 - 19 11/16	17 11/16	45 33.19	150	15 16.53	22,7 50,054
11-1-B	-006128	125 - 520 4 15/16 - 20 1/2	200 7 7/8	280 - 600 11 1/32 - 23 5/8	17 11/16	30 22.13	200	20 22.05	29,24 64,474
11-2-B	-006388	155 - 650 6 1/8 - 25 9/16	200 7 7/8	290 - 740 11 7/16 - 29 1/8	17 11/16	30 22.13	200	20 22.05	29,5 65,048
11-3-B	-706073	155 - 650 6 1/8 - 25 9/16	300 11 13/16	290 - 740 11 7/16 - 29 1/8	17 11/16	30 22.13	200	20 22.05	32,54 71,751

SERIES 11-BV
EXTRA STRONG 3-JAW UNIVERSAL PULLER WITH ADJUSTABLE REACH AND HYDRAULIC SPINDLE

The extra-strength, 3-jaw universal pullers with adjustable reach depth and hydraulic spindle are used for pulling off heavy, particularly stuck bearings, gears, and discs in all common sizes for crafts, workshops, and industry. The hydraulic spindle achieves an average pulling force of up to 20 tons. This allows for the release of any component that sits on a shaft and is accessible from the outside. The robust design of the puller adapts to any pulling situation through its individually adjustable span and reach depth and guarantees powerful, damage-free disassembly both in external extraction and internal extraction. The 3-jaw design ensures even load distribution and thus a particularly secure hold on the part being pulled.

Benefits

- The screw connection allows for easy loosening and particularly tight fastening of the jaws with an allen key
- The hydraulic spindle guarantees easy and controlled removal of particularly tightly fitted parts with minimal effort.
- 3-jaw ensures an even force distribution and allows for greater pulling forces.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.

Technical attributes

#					SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
11-0-BV	-730313	37 - 375 1 7/16 - 14 3/4	450 17 11/16	220 - 500 8 11/16 - 19 11/16	17 11/16	45 33.19	150	15 16.53	31,19 68,774
11-1-BV	-730498	57 - 520 2 1/4 - 20 1/2	450 17 11/16	280 - 600 11 1/32 - 23 5/8	17 11/16	30 22.13	200	20 22.05	33,15 73,096
11-2-BV	-730566	87 - 650 3 7/16 - 25 9/16	450 17 11/16	290 - 740 11 7/16 - 29 1/8	17 11/16	30 22.13	200	20 22.05	35 77,175

219-1
CLAMP FOR 2-JAW PULLERS

The clamp for 2-jaw pullers is used for stability support during extraction processes with extensions. This ensures that the extractor jaws are pressed especially firmly against the part being pulled to prevent slipping of the jaws.

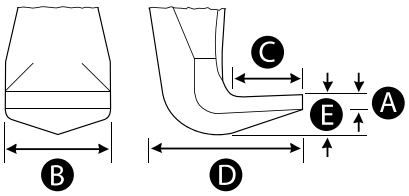
Benefits

- Maximum stability support during pulling

Technical attributes

#			SW		
	EAN	mm/inch	mm/inch	kg/lb	
219-1	-777776	40 - 190 1 9/16 - 7 1/2	8 5/16	0,77 1,698	20-1, 20-10

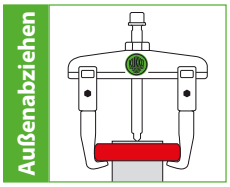
SERIES 0-E
1 JAWS (SINGLE)

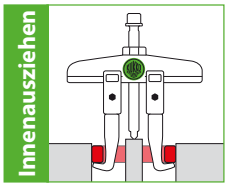


The single standard puller jaws are suitable for universal pullers. The robust design of the jaws ensures particularly safe pulling of bearings, gears and discs.

Benefits

- With the free-moving, sliding puller jaws on the crossbar, eccentric components can also be removed.

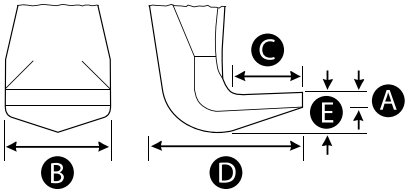




Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-90-E	-001253	100 4	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,28 0,617
1-190-E	-001581	200 7 7/8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,54 1,191
1-250-E	-001826	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,665 1,466
1-400-E	-975646	400 15 3/4	432 17 1/64	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,6 1,323
2-150-E	-002328	150 5 7/8	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	0,6 1,323
2-300-E	-002656	300 11 13/16	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	1,175 2,591
3-200-E	-003158	200 7 7/8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	1,63 3,594
3-250-E	-901225	250 9 13/16	300 11 13/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	2,08 4,586
3-300-E	-003493	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	2,085 4,597
3-400-E	-003721	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	2,62 5,777
3-500-E	-004063	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	3,14 6,924

SERIES 0-P
2 STANDARD JAWS



The pair of two standard jaws is suitable for 2-jaw universal pullers. The robust jaws guarantee a particularly secure removal of bearings, gears, and discs.

Benefits

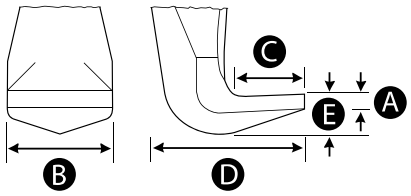
- The movable, sliding jaws on the crossbar allow for the extraction of eccentric components.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-90-P	-001338	100 4	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,555 1,224
1-190-P	-001666	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,12 2,470
1-250-P	-001901	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,36 2,999
1-400-P	-975660	400 15 3/4	432 17 1/64	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	2,12 4,675
2-150-P	-002403	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	1,24 2,734
2-300-P	-002731	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	2,4 5,292
3-200-P	-003233	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	3,27 7,210
3-250-P	-901232	250 9 13/16	300 11 13/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	3,725 8,214
3-300-P	-003561	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	4,5 9,923
3-400-P	-003806	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	5,33 11,753
3-500-P	-004148	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	6,7 14,774

SERIES 0-S
STANDARD PULLER JAWS (SET)

The set of three standard jaws is suitable for 3-jaw universal pullers. The robust jaws guarantee particularly safe removal of bearings, gears, and discs.



Benefits

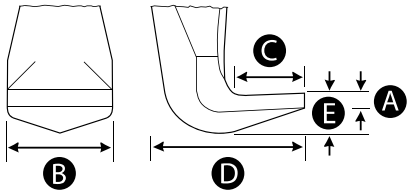
- The movable, sliding jaws on the crossbar allow for the removal of eccentric components.

Technical attributes

#	EAN	mm/inch	L mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-90-S	-001413	100 4	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,835 1,841
1-190-S	-001741	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,685 3,715
1-250-S	-002083	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	2,04 4,498
1-400-S	-975684	400 15 3/4	432 17 1/64	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	3,48 7,673
2-150-S	-002571	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	1,84 4,057
2-300-S	-002816	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	3,78 8,335
3-200-S	-003318	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	3,28 7,232
3-250-S	-901249	250 9 13/16	300 11 13/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	5,695 12,557
3-300-S	-003646	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	6,46 14,244
3-400-S	-003981	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	8,5 18,743
3-500-S	-004223	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	9,89 21,807

SERIES 1-E
1 NARROW PULLER JAWS (SINGLE)

The single, narrow pulling jaw is suitable for universal pullers. Thanks to the design of the pulling jaw, even tight and hard-to-reach spaces can be accessed.



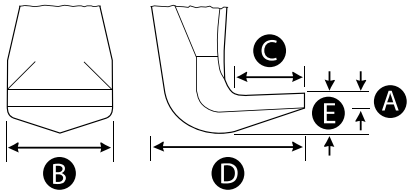
Benefits

- With the movable puller jaws sliding on the crossbar, even eccentric components can be removed.

Technical attributes

#	EAN	mm/inch	L mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-91-E	-340253	100 4	127 5	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	0,245 0,540
1-191-E	-461101	200 7 7/8	227 8 15/16	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	0,53 1,169
1-251-E	-461361	250 10	277 10 7/8	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	0,645 1,422
1-401-E	-984990	400 16	427 16 13/16	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	0,62 1,367
2-151-E	-702846	150 5 7/8	180 7 1/16	4 3/16	19 3/4	32 1 1/4	8 5/16	4 3/16	0,58 1,279
2-301-E	-703003	300 11 13/16	330 12 1	4 3/16	19 3/4	32 1 1/4	8 5/16	4 3/16	1,24 2,734
3-201-E	-726453	200 8	244 9 5/8	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	1,8 3,969
3-301-E	-726606	300 12	340 13 3/8	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	0 0,000
3-401-E	-726866	400 16	440 17 5/16	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	2,95 6,505
3-501-E	-727023	500 20	540 21 1/4	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	3,035 6,692

SERIES 1-P
2 NARROW PULLER JAWS



The pair of two narrow jaws is suitable for 2-jaw universal pullers. The narrow jaws ensure that even tight and hard-to-reach spaces can be accessed.

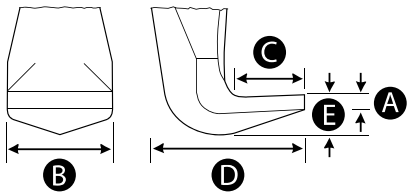
Benefits

- Through the freely movable, gliding jaws on the crossbar, even eccentric components can be removed.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-91-P	-434716	100 4	127 5	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	0,515 1,136
1-191-P	-461286	200 8	227 8 15/16	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	1,75 3,859
1-251-P	-461446	250 10	277 10 7/8	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	1,305 2,878
1-401-P	-985010	400 16	427 16 13/16	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	2,75 6,064
2-151-P	-702921	150 6	186 7 5/16	4 3/16	19 3/4	32 1 1/4	8 5/16	4 3/16	1,25 2,756
2-301-P	-703188	300 12	336 13 1/4	4 3/16	19 3/4	32 1 1/4	8 5/16	4 3/16	2,535 5,590
3-201-P	-726521	200 8	244 9 5/8	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	3,175 7,001
3-301-P	-726781	300 12	340 13 3/8	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	4,28 9,437
3-401-P	-726941	400 16	440 17 5/16	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	5,89 12,987
3-501-P	-727108	500 20	540 21 1/4	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	6,555 14,454

SERIES 1-S
NARROW PULLER JAWS (SET)



The set of three narrow jaws is suitable for 3-jaw universal pullers. The narrow jaws ensure that even tight and hard-to-reach spaces are accessible.

Benefits

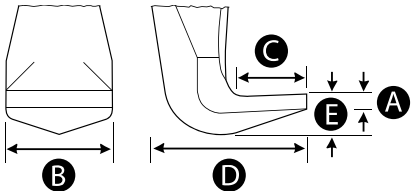
- Through the freely movable jaws gliding on the crossbar, eccentric components can also be pulled off.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-91-S	-497834	100 4	127 5	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	0,755 1,665
1-191-S	-497919	200 8	227 8 15/16	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	1,605 3,539
1-251-S	-498091	250 10	277 10 7/8	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	2,08 4,586
1-401-S	-985034	400 16	427 16 13/16	3 1/8	14 9/16	30 1 3/16	7 1/4	3 1/8	3,24 7,144
2-151-S	-728686	150 6	186 7 5/16	4 3/16	19 3/4	32 1 1/4	8 5/16	4 3/16	1,78 3,925
2-301-S	-728761	300 12	336 13 1/4	4 3/16	19 3/4	32 1 1/4	8 5/16	4 3/16	3,645 8,037
3-201-S	-728846	200 8	244 9 5/8	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	5,485 12,094
3-301-S	-728921	300 12	340 13 3/8	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	6,39 14,090
3-401-S	-729003	400 16	440 17 5/16	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	7,86 17,331
3-501-S	-729188	500 20	540 21 1/4	6,5 1/4	52 2 1/16	35 1 3/8	17 11/16	6,5 1/4	10,1 22,271

SERIES 2-E
1 QUICK-ADJUSTABLE JAW HOOK (SINGLE)

The single, quickly adjustable standard jaws are suitable for universal pullers. The robust construction of the jaws guarantees particularly safe and user-friendly removal of bearings, gears, and discs.



Benefits

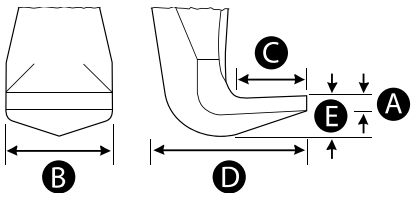
- The freely movable extraction jaws sliding on the crossbar can also be used to extract eccentric components.
- Thanks to the knurling, a tool-free, quick release or relocation of the jaws is enabled.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-92-E	-669101	100 3 15/16	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,28 0,617
1-192-E	-975608	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,49 1,080
1-252-E	-975622	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,56 1,235
2-152-E	-669286	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	0,605 1,334
2-302-E	-733611	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	0 0,000
3-202-E	-669361	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	1,62 3,572
3-302-E	-976148	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	2,1 4,631
3-402-E	-976162	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	2,46 5,424
3-502-E	-976186	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	4,04 8,908

SERIES 2-P
QUICK-ADJUSTABLE STANDARD JAWS (PAIR)

The pair of two quick-adjustable standard jaws is suitable for 2-jaw universal pullers. The robust jaws guarantee particularly safe and user-friendly removal of bearings, gears, and disks.



Benefits

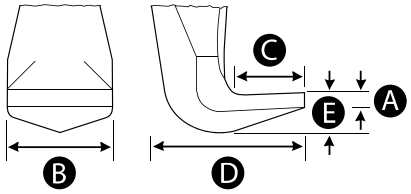
- The movable puller jaws that glide on the crossbar allow for the removal of eccentric components as well.
- Through the knurl, a tool-free, quick solution or movement of the jaws is made possible.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-92-P	-732393	100 4	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,58 1,279
1-192-P	-973611	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,17 2,580
1-252-P	-973673	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,41 3,109
2-152-P	-973765	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	1,26 2,778
2-302-P	-973819	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	2,59 5,711
3-202-P	-732706	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	3,33 7,343
3-302-P	-973932	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	4,505 9,934
3-402-P	-974014	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	5,505 12,139
3-502-P	-974137	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	6,35 14,002

SERIES 2-S
3 QUICK-ADJUSTABLE STANDARD JAWS (SET)

The set of three quickly adjustable standard jaws is suitable for 3-jaw universal pullers. The robust jaws guarantee particularly safe and user-friendly removal of bearings, gears, and discs.



Benefits

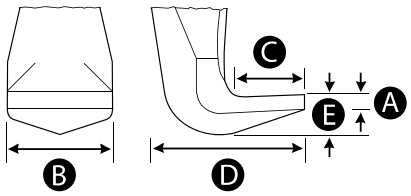
- Through the freely movable, sliding jaws on the crossbar, even eccentric components can be pulled off.
- Thanks to the knurling, it enables tool-free, quick loosening or moving of the jaws.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-92-S	-973741	100 4	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,92 2,029
1-192-S	-973635	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,86 4,101
1-252-S	-973697	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	2,35 5,182
2-152-S	-973772	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	2,075 4,575
2-302-S	-973833	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	3,775 8,324
3-202-S	-973895	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	4,94 10,893
3-302-S	-973956	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	6,64 14,641
3-402-S	-974038	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	8,14 17,949
3-502-S	-974151	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	9,89 21,807

SERIES 3-E
1 NARROW, QUICK-ADJUSTABLE JAW HOOK (SINGLE)

The slim, quickly adjustable jaw is suitable for universal pullers. Thanks to the slim design of the jaws, even tight and hard-to-reach spaces can be accessed.



Benefits

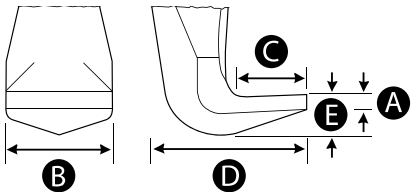
- The movable extracting jaws, which glide along the crossbar, can also extract eccentric components.
- Thanks to the knurling, a tool-free, quick release or relocation of the jaws is possible.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-92-S	-973741	100 4	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,92 2,029
1-192-S	-973635	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,86 4,101
1-252-S	-973697	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	2,35 5,182
2-152-S	-973772	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	2,075 4,575
2-302-S	-973833	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	3,775 8,324
3-202-S	-973895	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	4,94 10,893
3-302-S	-973956	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	6,64 14,641
3-402-S	-974038	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	8,14 17,949
3-502-S	-974151	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	9,89 21,807

SERIES 3-P
NARROW, QUICKLY ADJUSTABLE JAWS (PAIR)

The pair of two narrow, quickly adjustable pulling jaws is suitable for 2-jaw universal pullers. The narrow pulling jaws ensure that even tight and hard-to-reach spaces can be accessed.



Benefits

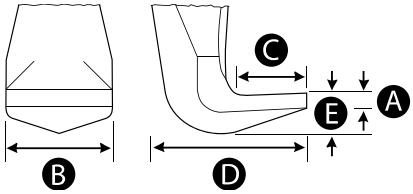
- Through the freely movable, sliding jaws on the crossbar, even eccentric components can be pulled off.
- Thanks to the knurling, tool-free, quick loosening or moving of the jaws is made possible.

Technical attributes

#	EAN	mm/inch	L mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-93-P	-973352	100	127	3	14	30	7	3	0,53
		4	5	1/8	9/16	1 3/16	1/4	1/8	1,169
1-193-P	-324208	200	227	3	14	30	7	3	1,095
		8	8 15/16	1/8	9/16	1 3/16	1/4	1/8	2,414
1-253-P	-973710	250	277	3	14	30	7	3	1,34
		10	10 7/8	1/8	9/16	1 3/16	1/4	1/8	2,955
2-153-P	-973789	150	186	4	19	32	8	4	1,37
		6	7 5/16	3/16	3/4	1 1/4	5/16	3/16	3,021
2-303-P	-973857	300	336	4	19	32	8	4	2,58
		12	13 1/4	3/16	3/4	1 1/4	5/16	3/16	5,689
3-203-P	-973901	200	244	6,5	52	35	17	6,5	3,16
		8	9 5/8	1/4	2 1/16	1 3/8	11/16	1/4	6,968
3-303-P	-973970	300	340	6,5	52	35	17	6,5	4,265
		12	13 3/8	1/4	2 1/16	1 3/8	11/16	1/4	9,404
3-403-P	-974052	400	440	6,5	52	35	17	6,5	6,155
		16	17 5/16	1/4	2 1/16	1 3/8	11/16	1/4	13,572
3-503-P	-974175	500	540	6,5	52	35	17	6,5	6,51
		20	21 1/4	1/4	2 1/16	1 3/8	11/16	1/4	14,355

SERIES 3-S
3 NARROW, QUICK-ADJUSTABLE JAWS (SET)

The set of three narrow, quickly adjustable jaws is suitable for 3-jaw universal pullers. The narrow jaws ensure that even tight and hard-to-reach spaces can be accessed.



Benefits

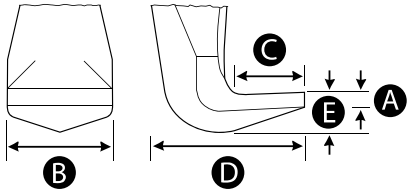
- The freely movable pulling jaws, which glide on the crossbar, can also be used to remove eccentric components.
- Thanks to the knurling, a tool-free, quick release or movement of the trigger jaws is possible.

Technical attributes

#	EAN	mm/inch	L mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-93-S	-973758	100	127	3	14	30	7	3	0,85
		4	5	1/8	9/16	1 3/16	1/4	1/8	1,874
1-193-S	-973659	200	227	3	14	30	7	3	1,62
		8	8 15/16	1/8	9/16	1 3/16	1/4	1/8	3,572
1-253-S	-973734	250	277	3	14	30	7	3	2,18
		10	10 7/8	1/8	9/16	1 3/16	1/4	1/8	4,807
2-153-S	-973796	150	186	4	19	32	8	4	2,03
		6	7 5/16	3/16	3/4	1 1/4	5/16	3/16	4,476
2-303-S	-973871	300	336	4	19	32	8	4	3,745
		12	13 1/4	3/16	3/4	1 1/4	5/16	3/16	8,258
3-203-S	-973918	200	244	6,5	52	35	17	6,5	5,435
		8	9 5/8	1/4	2 1/16	1 3/8	11/16	1/4	11,984
3-303-S	-973994	300	340	6,5	52	35	17	6,5	4,265
		12	13 3/8	1/4	2 1/16	1 3/8	11/16	1/4	9,404
3-403-S	-974076	400	440	6,5	52	35	17	6,5	7,85
		16	17 5/16	1/4	2 1/16	1 3/8	11/16	1/4	17,309
3-503-S	-974199	500	540	6,5	52	35	17	6,5	1,35
		20	21 1/4	1/4	2 1/16	1 3/8	11/16	1/4	2,977

SERIES 4-E
1 EXTREMELY NARROW PULLING HOOK (SINGLE)

The individual, extremely narrow puller jaws are suitable for universal pullers. The trapezoidal support surface of the jaws ensures that even very tight and hard-to-reach gaps are accessed.



Benefits

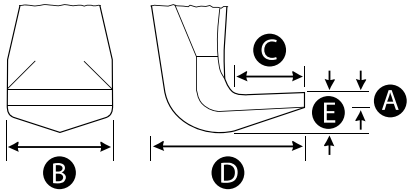
- Through the freely movable jaws gliding on the crossbar, eccentric components can also be pulled off.

Technical attributes

#			L						
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-94-E	-321573	100	127	3	12	24	7	3	0,25
		3 15/16	5	1/8	1/2	15/16	1/4	1/8	0,551
1-194-E	-321375	200	227	3	12	24	7	3	0,45
		7 7/8	8 15/16	1/8	1/2	15/16	1/4	1/8	0,992
1-254-E	-321474	250	277	3	12	24	7	3	0,62
		9 13/16	10 7/8	1/8	1/2	15/16	1/4	1/8	1,367

SERIES 4-P
EXTREMELY NARROW PULLER JAWS (PAIR)

The pair of two extremely narrow jaws is suitable for 2-jaw universal pullers. The trapezoidal support surface of the claw ensures that even very tight and hard-to-reach gaps can be accessed.



Benefits

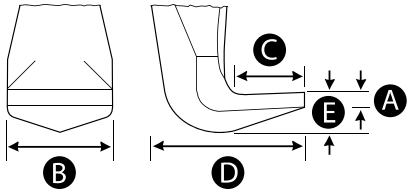
- Through the freely movable jaws gliding on the crossbar, even eccentric components can be removed.

Technical attributes

#			L						
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-94-P	-852039	100	127	3	12	24	7	3	0,49
		3 15/16	5	1/8	1/2	15/16	1/4	1/8	1,080
1-194-P	-321399	200	227	3	12	24	7	3	1,06
		7 7/8	8 15/16	1/8	1/2	15/16	1/4	1/8	2,337
1-254-P	-321498	250	277	3	12	24	7	3	1,26
		9 13/16	10 7/8	1/8	1/2	15/16	1/4	1/8	2,778

SERIES 4-S
3 EXTREMELY NARROW PULLER JAWS (SET)

The set of three extremely narrow jaws is suitable for 3-jaw universal pullers. The trapezoidal contact surface of the claw ensures that even very tight and hard-to-reach gaps are accessed.



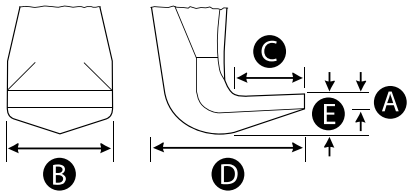
Benefits

- By using the freely movable, sliding jaws on the crossbar, eccentric components can also be pulled off.

Technical attributes

#			L						
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-94-S	-321580	100	127	3	12	24	7	3	0,72
		3 15/16	5	1/8	1/2	15/16	1/4	1/8	1,588
1-194-S	-321412	200	227	3	12	24	7	3	1,56
		7 7/8	8 15/16	1/8	1/2	15/16	1/4	1/8	3,440
1-254-S	-484520	250	277	3	12	24	7	3	1,89
		9 13/16	10 7/8	1/8	1/2	15/16	1/4	1/8	4,167

SERIES 5-E
1 EXTREMELY NARROW, QUICK-ADJUSTABLE JAW HOOK (SINGLE)



The single, extremely narrow, quickly adjustable puller jaws are suitable for universal pullers. The trapezoidal support surfaces of the claw ensure that even very tight and difficult-to-reach spaces can be accessed.

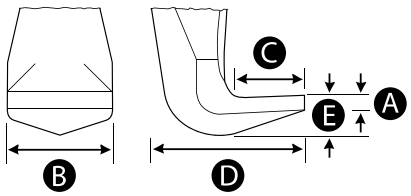
Benefits

- Through the freely movable, sliding jaws on the crossbar, even eccentric components can be removed.
- Thanks to the knurling, a tool-free, quick solution or repositioning of the jaws is made possible.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-95-E	-321597	100	127	3	12	24	7	3	0,24
		3 15/16	5	1/8	1/2	15/16	1/4	1/8	0,529
1-195-E	-321429	200	227	3	12	24	7	3	0,45
		7 7/8	8 15/16	1/8	1/2	15/16	1/4	1/8	0,992
1-255-E	-321528	250	277	3	12	24	7	3	0,62
		9 13/16	10 7/8	1/8	1/2	15/16	1/4	1/8	1,367

SERIES 5-P
EXTREMELY NARROW, QUICKLY ADJUSTABLE TRIGGER JAWS (PAIR)



The pair of two extremely narrow, quickly adjustable extractor jaws is suitable for 2-jaw universal pullers. The trapezoidal support surfaces of the claw ensure that even very tight and hard-to-reach gaps are accessible.

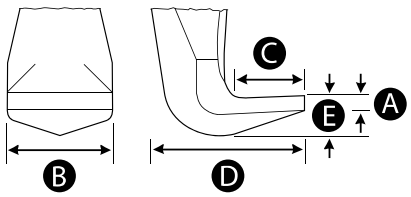
Benefits

- The movable, sliding extraction jaws on the crossbar can also be used to extract eccentric components.
- Thanks to the knurl, a tool-free, quick release or movement of the trigger hooks is made possible.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-95-P	-321610	100	127	3	12	24	7	3	0,505
		3 15/16	5	1/8	1/2	15/16	1/4	1/8	1,114
1-195-P	-321443	200	227	3	12	24	7	3	1,08
		7 7/8	8 15/16	1/8	1/2	15/16	1/4	1/8	2,381
1-255-P	-321542	250	277	3	12	24	7	3	1,32
		9 13/16	10 7/8	1/8	1/2	15/16	1/4	1/8	2,911

SERIES 5-S
3 EXTREMELY NARROW, QUICKLY ADJUSTABLE JAWS (SET)



The set of three extremely narrow, quick-adjustable jaws is suitable for 3-jaw universal pullers. The trapezoidal contact surface of the claw ensures that even very tight and poorly accessible gaps can be reached.

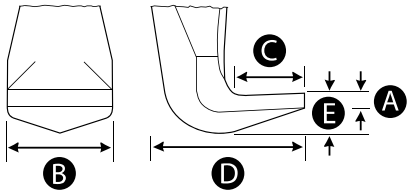
Benefits

- The movable puller jaws gliding on the crossbar allow for the extraction of eccentric components.
- Thanks to the knurl, a tool-free, quick release or movement of the jaws is made possible.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-95-S	-321634	100	127	3	12	24	7	3	0,81
		3 15/16	5	1/8	1/2	15/16	1/4	1/8	1,786
1-195-S	-321467	200	227	3	12	24	7	3	1,95
		7 7/8	8 15/16	1/8	1/2	15/16	1/4	1/8	4,300
1-255-S	-321566	250	277	3	12	24	7	3	2,095
		9 13/16	10 7/8	1/8	1/2	15/16	1/4	1/8	4,619

SERIES 2-EX
1 QUICK-ADJUSTING JAW HOOK (SINGLE)



The individual, quickly adjustable standard jaw is suitable for universal pullers. The robust design of the jaws guarantees a particularly safe removal of bearings, gears, and discs. The green hand knobs ensure maximum operating comfort and allow for quick, tool-free loosening and fastening of the jaws, even with wet or oily hands.

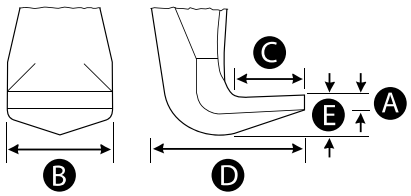
Benefits

- Through the freely movable, gliding puller jaws on the crossbar, eccentric components can also be removed.
- Thanks to the knurled surface, a quick, tool-free release or adjustment of the jaws is possible.

Technical attributes

#	EAN	mm/inch	L mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-92-Ex NEW	-061240	100 3 15/16	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,28 0,617
1-192-Ex NEW	-061189	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,49 1,080
1-252-Ex NEW	-061202	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,56 1,235
2-152-Ex NEW	-061271	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	0,605 1,334
2-302-Ex NEW	-061295	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	0 0,000
3-202-Ex NEW	-426094	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	1,62 3,572
3-302-Ex NEW	-061325	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	2,1 4,631
3-402-Ex NEW	-262678	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	2,46 5,424
3-502-Ex NEW	-262685	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	4,04 8,908

SERIES 2-PX
QUICK-ADJUSTABLE STANDARD JAWS (PAIR)



The pair of two quickly adjustable standard puller jaws is suitable for 2-jaw universal pullers. The robust jaws guarantee particularly safe removal of bearings, gears, and discs. The green hand knobs ensure maximum user comfort and allow for quick, tool-free loosening or fastening of the jaws, even with wet or oily hands.

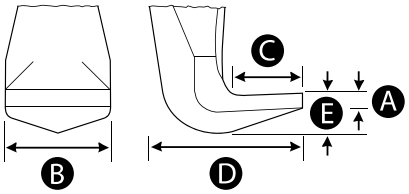
Benefits

- Through the freely movable jaws gliding on the crossbar, eccentric components can also be pulled off.
- Through the knurl, a tool-free, quick release or movement of the jaws is made possible.

Technical attributes

#	EAN	mm/inch	L mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-92-Px NEW	-061257	100 4	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,58 1,279
1-192-Px NEW	-061172	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,17 2,580
1-252-Px NEW	-061219	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,41 3,109
2-152-Px NEW	-061288	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	1,26 2,778
2-302-Px NEW	-061318	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	2,59 5,711
3-202-Px NEW	-426100	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	3,33 7,343
3-302-Px NEW	-061332	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	4,55 10,033
3-402-Px NEW	-061349	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	5,55 12,238
3-502-Px NEW	-061356	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	6,35 14,002

SERIES 2-SX
3 QUICK-ADJUSTABLE STANDARD JAWS (SET)



The set of three quickly adjustable standard jaws is suitable for 3-jaw universal pullers. The robust jaws guarantee particularly secure removal of bearings, gears, and disks. The green hand knobs provide maximum operating comfort and enable - even with wet or oily hands - a quick, tool-free loosening or fastening of the jaws.

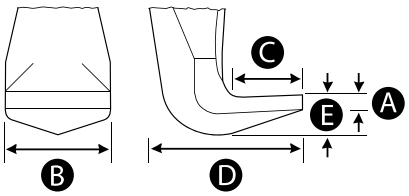
Benefits

- The movable, gliding jaws on the crossbar can also remove eccentric components.
- Thanks to the knurled surfaces, tool-free, quick release or repositioning of the jaws is enabled.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-92-Sx NEW	-061264	100 4	132 5 3/16	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	0,92 2,029
1-192-Sx NEW	-061196	200 8	232 9 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	1,86 4,101
1-252-Sx NEW	-061233	250 10	282 11 1/8	10 3/8	31 1 1/4	20 13/16	15 9/16	3 1/8	2,35 5,182
2-152-Sx NEW	-061363	150 6	193 7 5/8	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	2,75 6,064
2-302-Sx NEW	-061370	300 12	343 13 1/2	9 3/8	40 1 9/16	24 15/16	18 11/16	4 3/16	3,775 8,324
3-202-Sx NEW	-061387	200 8	255 10 1/32	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	4,94 10,893
3-302-Sx NEW	-061394	300 12	350 13 3/4	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	6,64 14,641
3-402-Sx NEW	-061400	400 16	450 17 11/16	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	8,14 17,949
3-502-Sx NEW	-061417	500 20	550 21 5/8	20 13/16	67 2 5/8	35 1 3/8	37 1 7/16	4 3/16	9,89 21,807

SERIES SP-E
1 PULLER WITH ADJUSTABLE LENGTH (SINGLE)



The single, robust, height-adjustable puller jaw guarantees particularly safe removal of bearings, gears, and discs. The hook length can be individually adjusted in the range of 400-700 mm.

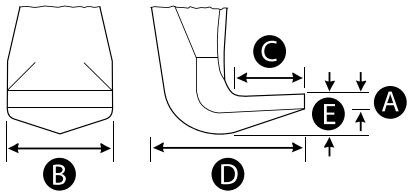
Benefits

- Through the freely movable, sliding jaws on the crossbar, even eccentric components can be pulled off.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
4-SP-E	-004551	500 19 11/16	565 22 1/4	25 1	85 3 3/8	45 1 3/4	50 1 15/16	7 1/4	4,34 9,570
5-SP-E	-004896	700 27 9/16	770 30 5/16	37 1 7/16	105 4 1/8	61 2 3/8	60 2 3/8	7 1/4	10,5 23,153
5-SP-E-1	-892318	700 27 9/16	437 17 3/16	37 1 7/16	105 4 1/8	61 2 3/8	60 2 3/8	7 1/4	4,82 10,628

SERIES SP-P
ADJUSTABLE LENGTH PULLER HOOKS (PAIR)



The pair of two height-adjustable puller jaws is suitable for 2-jaw pullers. The robust puller jaws guarantee a particularly safe removal of bearings, gears, and discs.

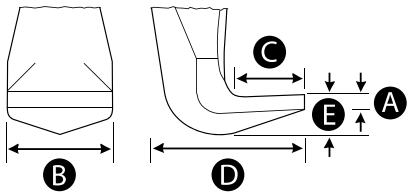
Benefits

- Through the freely movable jaws gliding on the crossbar, even eccentric components can be removed.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
4-SP-P	-004636	500 19 11/16	565 22 1/4	25 1	85 3 3/8	45 1 3/4	50 1 15/16	7 1/4	8,965 19,768
5-SP-P	-004971	700 27 9/16	770 30 5/16	37 1 7/16	105 4 1/8	61 2 3/8	60 2 3/8	7 1/4	22,21 48,973

SERIES SP-S
3 ADJUSTABLE PULLER JAWS



The set of three height-adjustable puller jaws is suitable for 3-jaw pullers. The robust puller jaws guarantee a particularly safe removal of bearings, gears, and disks.

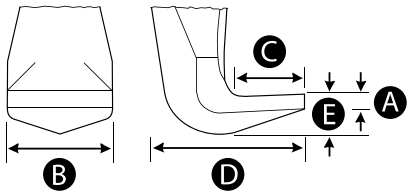
Benefits

- Through the freely movable, gliding {Traverse} puller jaws, even eccentric components can be pulled off.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
4-SP-S	-004711	500 19 11/16	565 22 1/4	25 1	85 3 3/8	45 1 3/4	50 1 15/16	7 1/4	13,65 30,098

SERIES 6-P
STANDARD JAWS FOR 20-10-V (PAIR)



The pair of jaws is suitable for 2-jaw pullers for gear wheels of series 20-10-V. The robust jaws guarantee a particularly safe pulling of gear wheels.

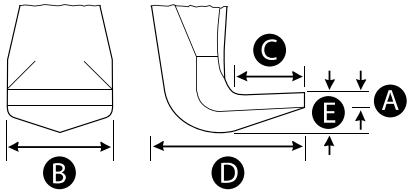
Benefits

- Through the movable puller jaws sliding on the crossbar, eccentric components can also be removed.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-96-P	-001031	100 3 15/16	123,5 4 7/8	2,2 1/16	10,5 7/16	21 13/16	6 1/4	2,2 1/16	0,46 1,014

SERIES 1-96/219-V
STANDARD JAWS FOR 20-10-V WITH LOCKING CLAMP (PAIR)



The pair of puller jaws with clamp is suitable for 2-jaw pullers for gear wheels of series 20-10-V. The robust puller jaws guarantee a particularly safe removal of gear wheels.

Benefits

- The mobile puller jaws, which glide along the crossbar, can also be used to extract eccentric components.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
1-96/219-V	-793073	100 3 15/16	123,5 4 7/8	2,2 1/16	10,5 7/16	21 13/16	6 1/4	2,2 1/16	0,75 1,654

SERIES V-P
2 JAWS EXTENSIONS (PAIR)

The pair of jaws extensions is used to increase the reach. This allows components that are particularly deep on a shaft to be grasped. The extensions can be combined in any way and thus adapted to the required reach.

Benefits

- Unlimited extension of reach
- Cross-referencing allows for increased power uptake and relieves the screw.
- Compatible with various hook types

Technical attributes

#	EAN	mm/inch	kg/lb
1-V-100-P	-985058	100 3 15/16	0,565 1,246
1-V-150-P	-985089	150 5 7/8	0,85 1,874
2-V-150-P	-985201	150 5 7/8	1,195 2,635

SERIES V-S
3 PULLER EXTENSIONS (SET)

The set of Pulling jaws extensions is used to extend the reach. This allows for the gripping of components that are seated particularly deep on a shaft. The extensions can be combined with each other as desired and thus adapted to the required reach.

Benefits

- Unlimited Extension of Reach
- Cross reception enables increased force intake and relieves the screw.
- Compatible with various hook types

Technical attributes

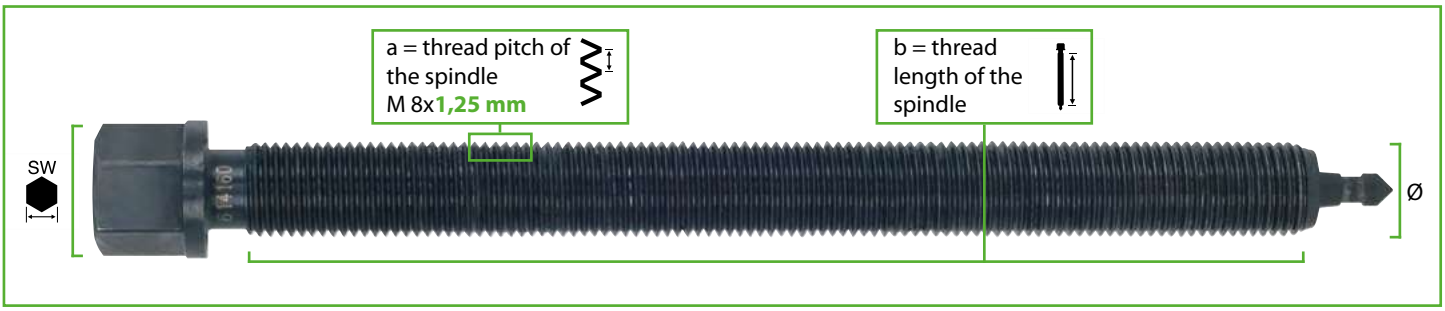
#	EAN	mm/inch	kg/lb
1-V-100-S	-985065	100 3 15/16	0,84 1,852
1-V-150-S	-985096	150 5 7/8	1,205 2,657
2-V-150-S	-985218	150 5 7/8	1,775 3,914

SERIES 6
MECHANICAL PRESSURE SPINDLE

The mechanical pressure spindle is the heart of every KUKKO puller. It achieves a maximum pulling force of 10 t. The manual operation of the spindle allows for a sensitive control of the extraction process. The fine thread also ensures perfect power transmission. A reversible spindle tip enables a secure placement of the spindle on both smooth surfaces and centrings.

Benefits

- Optimal gliding properties in the thread groove thanks to special coating
- Ideal adaptation of the spindle to the shaft through two-sided spindle tip



Technical attributes

#	EAN	Ø mm/inch	mm/inch		SW mm/inch
608080	-176241	8 5/16	80 3 1/8	M 8x1,25	T-handle
608130	-481086	8 5/16	130 5 1/8	M 8x1,25	T-handle
609087	-102493	9 3/8	87 3 7/16	M 9x1,25	T-handle
609105	-101403	9 3/8	105 4 1/8	M 9x1,25	T-handle
610070	-362446	10 3/8	75 2 15/16	M 10x1,5	13 1/2
610094	-122118	10 3/8	94 3 11/16	M 10x1,5	T-handle
610110	-433726	10 3/8	120 4 3/4	M 10x1,5	8 5/16
610120	-910005	10 3/8	120 4 3/4	M 10x1,5	13 1/2
612080	-238468	12 1/2	85 3 3/8	M 12x1,5	13 1/2
612110	-112881	12 1/2	110 4 5/16	M 12x1,5	13 1/2
612130	-077081	12 1/2	130 5 1/8	M 12x1,5	13 1/2
612150	-790201	12 1/2	150 5 7/8	M 12x1,5	13 1/2
612200	-056208	12 1/2	210 8 1/4	M 12x1,75	13 1/2
614135	-074271	14 9/16	135 5 5/16	M 14x1,5	17 11/16
614160	-112966	14 9/16	160 6 5/16	M 14x1,5	17 11/16
614200	-838576	14 9/16	200 7 7/8	M 14x1,5	17 11/16
614242	-910012	14 9/16	240 9 7/16	M 14x1,5	17 11/16
614250	-306709	14 9/16	250 9 13/16	M 14x1,5	17 11/16
616202	-264351	16 5/8	185 7 5/16	M 16x2,0	17 11/16
616270	-480829	16 5/8	270 10 5/8	M 16x2,0	17 11/16
616325	-480904	16 5/8	325 12 13/16	M 16x2,0	17 11/16
616220	-420856	16 5/8	220 8 11/16	M 16x1,5	17 11/16
618068	-123771	18 11/16	58 2 5/16	M 18x1,5	19 3/4
618105	-073779	18 11/16	105 4 1/8	M 18x1,5	19 3/4

#	EAN	Ø mm/inch	mm/inch		SW mm/inch
618175	-056215	18 11/16	175 6 7/8	M 18x1,5	19 3/4
618210	-113048	18 11/16	210 8 1/4	M 18x1,5	19 3/4
621130	-124358	20,955 13/16	130 5 1/8	G 1/2" / 14	22 7/8
621170	-067181	20,955 13/16	170 6 11/16	G 1/2" / 14	22 7/8
621220	-268373	20,955 13/16	220 8 11/16	G 1/2" / 14	22 7/8
621300	-765346	20,955 13/16	300 11 13/16	G 1/2" /14	22 7/8
621355	-236228	20,955 13/16	355 13 1	G 1/2" / 14	22 7/8
623150	-018961	22,911 7/8	150 5 7/8	G 5/8" / 14	24 15/16
623170	-124501	22,911 7/8	170 6 11/16	G 5/8" / 14	24 15/16
623230	-074684	22,911 7/8	230 9 1/16	G 5/8" / 14	24 15/16
623260	-113123	22,911 7/8	260 10 1/4	G 5/8" /14	24 15/16
623325	-125263	22,911 7/8	325 12 13/16	G 5/8" / 14	24 15/16
623360	-814976	22,911 7/8	360 14 3/16	G 5/8" / 14	24 15/16
623450	-832796	22,911 7/8	450 17 11/16	G 5/8" / 14	24 15/16
626300	-765360	26,441 1 1/32	300 11 13/16	G 3/4" / 14	27 1 1/16
626400	-125423	26,441 1 1/32	400 15 3/4	G 3/4" / 14	27 1 1/16
626500	-765377	26,441 1 1/32	500 19 11/16	G 3/4" / 14	27 1 1/16
633400	-765384	33,249 1 5/16	400 15 3/4	G 1" / 11	36 1 7/16
633500	-893452	33,249 1 5/16	500 19 11/16	G 1" / 11	36 1 7/16
633600	-866388	33,249 1 5/16	600 23 5/8	G 1"	36 1 7/16
637350	-893469	37,897 1 1/2	350 13 3/4	G1" 1/8	41 1 5/8
637500	-895609	37,897 1 1/2	500 19 11/16	G1" 1/8	41 1 5/8
637600	-169236	37,897 1 1/2	600 23 5/8	1.1/8"	41 1 5/8
638300	-059230	38,1 1 1/2	322 12 11/16	W 1.1/2"	24 15/16

SERIES 844-626 MECHANICAL SPINDLE

The mechanical spindle allows for easy and controlled removal of particularly stubborn parts through impact force. Additionally, it guarantees exceptionally good sliding properties in the thread. The fine thread ensures an ideal power transmission. The exact force required for the removal is generated.

Benefits

- Light and controlled removal of particularly stubborn parts through impact action

Technical attributes

#	EAN	L mm/inch		SW mm/inch	kg/lb
844-626	-032851	200 7 7/8	W 1 1/2“-16	24 15/16	1,405 3,098

SERIES 800-626 MECHANICAL IMPACT SHOCK SPINDLE

The mechanical impact spindle enables easy and controlled extraction of particularly seized parts through impact force. Additionally, the spindle guarantees particularly good sliding properties in the thread groove. The fine thread ensures ideal power transmission. Exactly the required force for extraction is generated.

Benefits

- Light and controlled removal of particularly stuck parts through impact action

Technical attributes

#	EAN	L mm/inch		SW mm/inch	kg/lb
800-626	-969980	280 11 1/32	W 1 1/2“-16	30 1 3/16	2,105 4,642

SERIES 600-17
UNIVERSAL PRESSURE PIECE SET (3-PIECE)

The pressure piece kit is used to stabilize the pressure spindle on a hollow shaft. The kit includes a total of three pressure pieces that have different diameters and can be combined with each other. Thanks to their step-shaped silhouette, the pressure pieces fit perfectly on the hollow shaft. Depending on the size, the different pressure pieces can also be nested together to achieve the exact diameter of the shaft.

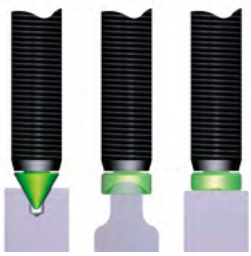
Benefits

- Adjustment possibility for the spindle in hollow shaft

Technical attributes

#	EAN	mm/inch	kg/lb	Included in the set
600-17	-914188	20; 32; 41 13/16;1 1/4;1 5/8	0,11 0,243	K-20-15

SERIES K-600
REVERSABLE SPINDLE TIP



The reversible pressure piece set is considered the optimal addition for KUKKO pressure spindles with interchangeable tips and can be used for any mounting position. For individual adjustment to the shaft, the pressure piece is inserted into the spindle. It is possible to choose between different pressure pieces (e.g., with a flat or concave bearing surface). The set also includes a 3-piece universal pressure piece set for stepwise adjustment on hollow shafts, as well as a magnetic mini-LED.

Benefits

- Every installation position can be covered.
- Dual spindle tip for smooth surfaces and centering

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb	
K-600-A	-833960	20; 32; 41 13/16;1 1/4;1 5/8	6,4 1/4	34 1 5/16	33 1 5/16	38 1 1/2	0,61 1,345	612080, 612110, 612130, 612150, 612200, 614135, 614160, 614200, 614242, 614250
K-600-B	-833977	20; 32; 41 13/16;1 1/4;1 5/8	10,4 7/16	48 1 7/8	48 1 7/8	52 2 1/16	0,705 1,555	616202, 616270, 616325, 616220, 618105, 618175, 618210
K-600-C	-833984	20; 32; 41 13/16;1 1/4;1 5/8	12,5 1/2	61 2 3/8	59 2 5/16	68 2 11/16	0 0,000	620172, 621130, 621170, 621220, 621300, 621355, 623150, 623170, 623230, 623260, 623325, 623360, 623450, 626300, 626400, 626500
K-600-D	-833991	20; 32; 41 13/16;1 1/4;1 5/8	18,9 3/4	64 2 1/2	62 2 7/16	78 3 1/16	0 0,000	633400, 633500, 633600, 637350, 637500, 637600

SERIES 8-0
HYDRAULIC SPINDLE

The hydraulic spindle of series 8-0 is the motor of the puller and achieves a pulling force of 12 t. The hydraulic spindle is suitable for removing particularly stubborn bearings, gears, and discs that cannot be loosened with pure muscle power. Thanks to integrated fat-hydraulic, no external pump is required.

Benefits

- The hydraulic spindle enables easy and controlled removal of particularly stubborn parts with minimal effort.

Technical attributes

#	EAN		mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
8-0-621	-774263	G 1/2“	10 3/8	15 11.06	100	10 11.02	1,57 3,462
8-0-626	-774270	G 3/4“	12 1/2	20 14.75	120	12 13.23	1,94 4,278

SERIES 8
LONG HYDRAULIC SPINDLE

The fat hydraulic spindle of series 8 is the motor of the puller and achieves an average pulling force of 20 t. The hydraulic spindle is suitable for pulling off particularly stubborn bearings, gears, and discs that cannot be loosened by pure muscle power. Thanks to integrated fat-hydraulics, no external pump is required.

Benefits

- The hydraulic spindle guarantees easy and controlled removal of particularly stuck parts with minimal effort.
- Hydraulic spindle doubles the manual pulling force by 100%

Technical attributes

#	EAN		mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
8-1-B	-034596	G1”	10 3/8	45 33.19	150	15 16.53	7,655 16,879
8-1-F	-034671	G1”	10 3/8	45 33.19	150	15 16.53	8,79 19,382
8-2-K	-034831	G 1 1/8“	10 3/8	30 22.13	200	20 22.05	9,795 21,598
8-2-M	-034916	G 1 1/8“	10 3/8	30 22.13	200	20 22.05	11,14 24,564

SERIES 8-HP HYDRAULIC SPINDLE WITH HAND LEVER OPERATION

The hydraulic spindle with hand lever operation is suitable for pulling off particularly stubborn bearings, gears, and discs with a pulling force of up to . Thanks to the integrated grease hydraulics, no external pump is required. The manually extendable lever arm of the pump can be pivoted 360°. The flexible connection thread on the spindle allows for the mounting of various puller tools from the KUKKO range, depending on the thread size. By using an extension and pressure piece, the hydraulic spindle can be adjusted to various installation situations.

Benefits

- The hydraulic spindle guarantees easy and controlled extraction of particularly stubborn parts with minimal effort.
- Significant reduction of disassembly times due to simple and quick handling
- With extension pieces, the range of the hydraulic spindle can be adjusted to the respective requirements.

Technical attributes

#	EAN		mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
8-HP-621 NEW	-182242	G 1/2"	52 2 1/16	40	4 4.41	7,2 15,876
8-HP-623 NEW	-182259	G 5/8"	52 2 1/16	60	6 6.61	5,56 12,260
8-HP-626 NEW	-182273	G 3/4"	52 2 1/16	120	12 13.23	8,82 19,448
8-HP-633 NEW	-182280	G 1"	52 2 1/16	120	12 13.23	7,46 16,449
8-HP-637 NEW	-182297	G 1 1/8"	52 2 1/16	150	15 16.53	8,07 17,794
8-HP-800 NEW	-182303	W 1 1/2"	52 2 1/16	200	20 22.05	12,54 27,651

SERIES K-8-HP HYDRAULIC SPINDLE WITH HAND LEVER OPERATION IN L-BOXX WITH FIXED RING

The hydraulic spindle with hand lever operation in the case is suitable for pulling off particularly stubborn bearings, gears, and discs with a pulling force of up to 21 t. Thanks to the integrated grease hydraulic, no external pump is required. The lever arm of the pump can be swiveled 360°. With the help of the fixing ring, the hydraulic spindle can also be used with components with standard through holes.

Benefits

- The hydraulic spindle guarantees easy and controlled removal of particularly fixed parts with low effort.
- Significant reduction of dismantling times through easy and quick handling
- By using extension pieces, the reach of the hydraulic spindle can be adapted to the respective requirements.

Technical attributes

#	EAN		mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.
K-8-HP-621 NEW	-041396	G 1/2"	52 2 1/16	40	4 4.41
K-8-HP-623 NEW	-041402	G 5/8"	52 2 1/16	60	6 6.61
K-8-HP-626 NEW	-041419	G 3/4"	52 2 1/16	120	12 13.23
K-8-HP-633 NEW	-041426	G 1"	52 2 1/16	120	12 13.23
K-8-HP-637 NEW	-041440	G 1 1/8"	52 2 1/16	150	15 16.53
K-8-HP-800 NEW	-041457	W 1 1/2"	52 2 1/16	200	20 22.05

SERIES 800
SHORT HYDRAULIC SPINDLE

The fat-hydraulic spindle of the 800 series is the motor of the puller and achieves an average pulling force of 20 t. With this, particularly stuck bearings, gears, and discs can be effortlessly dismantled. As a true powerhouse, the spindle impresses with a compact design, ease of use, and portability. The spindle is ribbed on the sides to provide particularly good grip for the fingers when repositioning. Due to its favorable installation dimensions, the spindle can be used universally. Thanks to integrated fat-hydraulics, no external pump is required.

Benefits

- The hydraulic spindle guarantees easy and controlled extraction of particularly seized parts with minimal effort.
- Hydraulic spindle doubles the manual pulling force by 100 %

Technical attributes

#	EAN		mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW mm/inch	kg/lb
800	-034343	W 1.1/2"-16(55°;16Gang)	10 3/8	40 29.50	100	10 11.02	13 1/2	1,46 3,219
801	-784446	W 1.1/2"-16(55°;16Gang)	10 3/8	70 51.63	150	15 16.53	19 3/4	1,47 3,241
802	-784514	M40x1,5	10 3/8	100 73.76	200	20 22.05	19 3/4	1,55 3,418
804	-456787	W 1.1/2"-16(55°;16Gang)	10 3/8	70 51.63	150	15 16.53	19 3/4	1,475 3,252

SERIES 800-0
SPINDLE EXTENSIONS

The spindle extension is used to extend the spindle for the system series 800. It allows for quick adjustment to various requirements. Depending on the application, the extensions are available in different sizes.

Benefits

- Quick adaptation to the respective pull-off situation thanks to spindle extension

Technical attributes

#	EAN	L mm/inch	kg/lb
800-050	-031113	50 1 15/16	0,13 0,287
800-100	-031298	100 3 15/16	0,335 0,739
800-150	-031373	150 5 7/8	0,54 1,191

SERIES 9
HYDRAULIC ADDITIONAL PRESSES

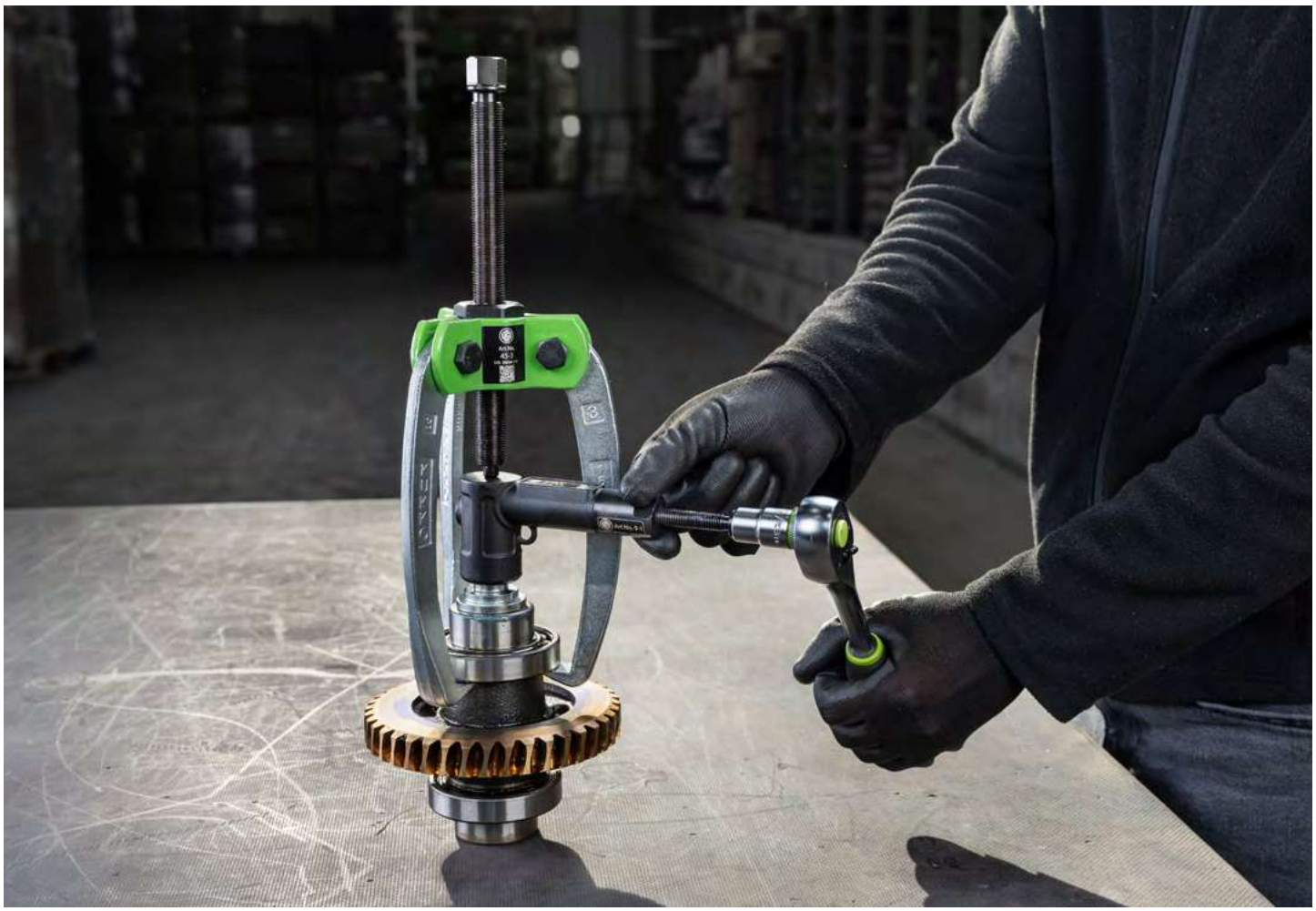
The hydraulic additional press is used to increase the pressure capacity of mechanical pullers for particularly stubborn bearings, gears, and disks. With the hydraulic additional press, pulling forces of up to 30 t can be achieved.

Benefits

- Hydraulic additional press ensures easy and controlled removal of particularly stubborn parts with little effort.
- Eyelets for attaching a fall protection system as well as for tool organization with tool brands, issue cards, or electronic systems.
- Automatic system pulls the piston back into the starting position

Technical attributes

#					Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
9-1	-005053	60 2 3/8	10 3/8	35 25.82	100	10 11.02	0,825 1,819	-
9-2	-005138	87 3 7/16	15 9/16	50 36.88	150	15 16.53	1,88 4,145	K-226-4/12
9-3	-924408	113 4 7/16	7 1/4	35 25.82	300	30 33.07	5,16 11,378	-



Removing a gear with the 47-1-A

SERIES 120 | 130

UNIVERSAL PULLER "VARIO"

DEPLOYMENT

The 2- and 3-arm universal pullers "Vario" with spring-loaded hook safety device from the 120 and 130 series are suitable for pulling bearings, gears and pulleys that are mounted on a shaft and are freely accessible from the outside. The hook safety catch prevents the puller legs from slipping off the crosshead.

Benefits

- By pressing down the hook safety mechanism, a particularly fast turning of the jaws is guaranteed.
- The hook safety prevents the puller jaws from slipping off the crossbar.
- Application also for eccentric components using freely movable puller jaws sliding on the crossbar.
- Variable adjustment for different spans (depending on the model)
- Safe positioning of the spindle through a rotating spindle tip on both smooth surfaces and during centering (Switch Technology)

ASSEMBLY OF A UNIVERSAL PULLER „VARIO"

FEATURES OF THE SERIES

SERIES 120

2-jaw universal puller with spring-loaded hook safety

120-10

The 2-jaw universal pullers of series 20 are universally applicable even in confined spaces.

SERIES 130

3-jaw universal puller with spring-loaded hook safety

130-10

Thanks to the 3-jaw design, the pullers in series 30 ensure an even distribution of force, thereby allowing for even greater pulling forces.

APPLICATION EXAMPLES

Removing a gear wheel with the 120-10

SERIES 120
2-JAW UNIVERSAL PULLER "VARIO" WITH SPRING SAFETY DEVICE

The 2-jaw universal puller "VARIO" with spring-loaded safety device is used to remove bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It can loosen any component that sits on a shaft and is freely accessible from the outside. Equipped with robust, always parallel jaws, the puller ensures particularly safe, damage-free disassembly both for external extraction and internal extraction. The safety device prevents the jaws from slipping off the crossbar.

Benefits

- The safety device protects against the slipping of the puller jaws from the crossbar.
- By pressing the safety lock, a particularly fast inversion of the jaws is guaranteed.
- Application also for eccentric components through free-moving, sliding puller jaws on the crossbar.
- Adjustment to any span between 10 mm – 350 mm

Technical attributes

#					SW		Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
120-1	-918551	20 13/16 - 3 15/16	100 3 15/16	100 - 130 3 15/16 - 5 1/8	17 11/16	80 59.01	30	3 3.31	1,06 2,337	120-ST
120-10	-918599	20 - 150 13/16 - 5 7/8	100 3 15/16	100 - 180 3 15/16 - 7 1/16	17 11/16	80 59.01	30	3 3.31	1,16 2,558	120-ST
120-2	-918636	20 - 150 13/16 - 5 7/8	150 5 7/8	100 - 180 3 15/16 - 7 1/16	17 11/16	80 59.01	30	3 3.31	1,28 2,822	120-ST
120-20	-918674	10 - 250 3/8 - 9 13/16	150 5 7/8	130 - 300 5 1/8 - 11 13/16	24 15/16	100 73.76	30	3 3.31	3,5 7,718	120-ST
120-3	-918711	10 - 250 3/8 - 9 13/16	200 7 7/8	125 - 300 4 15/16 - 11 13/16	24 15/16	100 73.76	30	3 3.31	3,84 8,467	120-ST
120-30	-918759	10 - 350 3/8 - 13 3/4	200 7 7/8	125 - 400 4 15/16 - 15 3/4	24 15/16	120 88.51	40	4 4.41	5,025 11,080	-

SERIES 130
3-JAW UNIVERSAL PULLER "VARIO" WITH SPRING-LOADED SAFETY

The 3-jaw universal puller "VARIO" with spring-loaded anti-slip safety is used for removing bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows for the loosening of any component that is mounted on a shaft and is freely accessible from the outside. Equipped with robust, always parallel puller jaws, the puller ensures a particularly safe, non-destructive disassembly whether for external extraction or internal removal. The anti-slip safety prevents the puller jaws from slipping off the crossbar. The 3-jaw design guarantees an even load distribution, thereby providing a particularly secure hold on the part to be removed.

Benefits

- Fall protection protects against the jaws sliding off the crossbar.
- By pressing down the safety latch, a particularly fast flipping of the jaws is guaranteed.
- 3-jaw ensures an even force distribution and allows for greater pulling forces.
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.

Technical attributes

#					SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
130-10	-918834	20 - 150 13/16 - 5 7/8	100 3 15/16	100 - 180 3 15/16 - 7 1/16	17 11/16	80 59.01	30	3 3.31	1,24 2,734
130-2	-918872	20 - 150 13/16 - 5 7/8	150 5 7/8	100 - 180 3 15/16 - 7 1/16	17 11/16	80 59.01	30	3 3.31	1,75 3,859
130-20	-918919	20 - 260 13/16 - 10 1/4	150 5 7/8	120 - 300 4 3/4 - 11 13/16	24 15/16	110 81.14	35	3.5 3.86	4,28 9,437
130-3	-918957	20 - 260 13/16 - 10 1/4	200 7 7/8	120 - 300 4 3/4 - 11 13/16	24 15/16	110 81.14	35	3.5 3.86	5,365 11,830

SERIES 120-ST
SALES DISPLAY FOR 2-JAW UNIVERSAL PULLER "VARIO" WITH SPRING-LOADED END SAFETY

The display for 2-jaw universal pullers is the ideal solution for the presentation and storage of various sizes of 2-jaw universal pullers. The 2-jaw universal pullers "VARIO" with spring-loaded anti-slip safety are used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows for the loosening of any component that is mounted on a shaft and is accessible from the outside. Equipped with robust, always parallel jaws, the puller ensures particularly safe, damage-free disassembly during both external extraction and internal pulling. The anti-slip safety prevents the jaws from slipping off the crossbar.

Benefits

- The sales and workshop stand provides organized storage and presentation of the 2-jaw pullers.
- The safety device protects against the slipping of the puller jaws from the crossbar.
- By pressing down the anti-slip safety, a particularly fast rotation of the jaws is guaranteed.
- Application also with eccentric components through freely movable, sliding puller jaws on the crossbar.

Technical attributes

#									Max. tensile force	Max. tractive force		Components
	EAN	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	mm/ inch	Nm/ ft lb	kN	t/ US t. sh.	kg/lb	
120-ST	-961489	630 24 13/16	250 9 13/16	316 12 7/16	20 - 250 13/16 - 9 13/16	200 7 7/8	100 - 300 3 15/16 - 11 13/16	85 62.70	30	3 3.31	14,79 32,612	120-1, 120-10, 120-2, 120-20, 120-3, 20-STL

SERIES 130-P
2-JAW PULLER (PAIR)

The pair of two jaws is suitable for the 2-jaw universal puller "VARIO". The robust jaws guarantee a particularly safe, non-destructive disassembly.

Benefits

- Through the freely movable, sliding jaws on the crossbar, even eccentric components can be pulled off.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
0-100-P	-002243	105 4 1/8	148,5 5 7/8	9 3/8	32 1 1/4	21 13/16	16 5/8	4 3/16	0,425 0,937
0-148-P	-001093	155 6 1/8	198,5 7 13/16	9 3/8	32 1 1/4	21 13/16	16 5/8	4 3/16	0,48 1,058
0-150-P	-003073	150 5 7/8	215,6 8 1/2	15 9/16	43 1 11/16	28 1 1/8	18 11/16	4 3/16	1,24 2,734
0-200-P	-004483	205 8 1/16	270,6 10 5/8	15 9/16	43 1 11/16	28 1 1/8	20 13/16	4 3/16	1,54 3,396

SERIES 130-S
3 JAWS (SET)

The set of three jaws is suitable for the 3-jaw universal puller "VARIO". The robust jaws guarantee a particularly safe, non-destructive disassembly.

Benefits

- Through the freely movable puller jaws gliding on the crossbar, even eccentric components can be pulled off.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
0-100-S	-001062	105 4 1/8	148,5 5 7/8	9 3/8	32 1 1/4	21 13/16	16 5/8	4 3/16	0,561 1,237
0-148-S	-001109	155 6 1/8	198,5 7 13/16	9 3/8	32 1 1/4	21 13/16	16 5/8	4 3/16	0,72 1,588
0-150-S	-001123	150 5 7/8	215,6 8 1/2	15 9/16	43 1 11/16	28 1 1/8	18 11/16	4 3/16	1,89 4,167
0-200-S	-001147	205 8 1/16	270,6 10 5/8	15 9/16	43 1 11/16	28 1 1/8	20 13/16	4 3/16	2,12 4,675

SERIES 110

UNIVERSAL PULLER "TECHNO" WITH LOCKING PIN

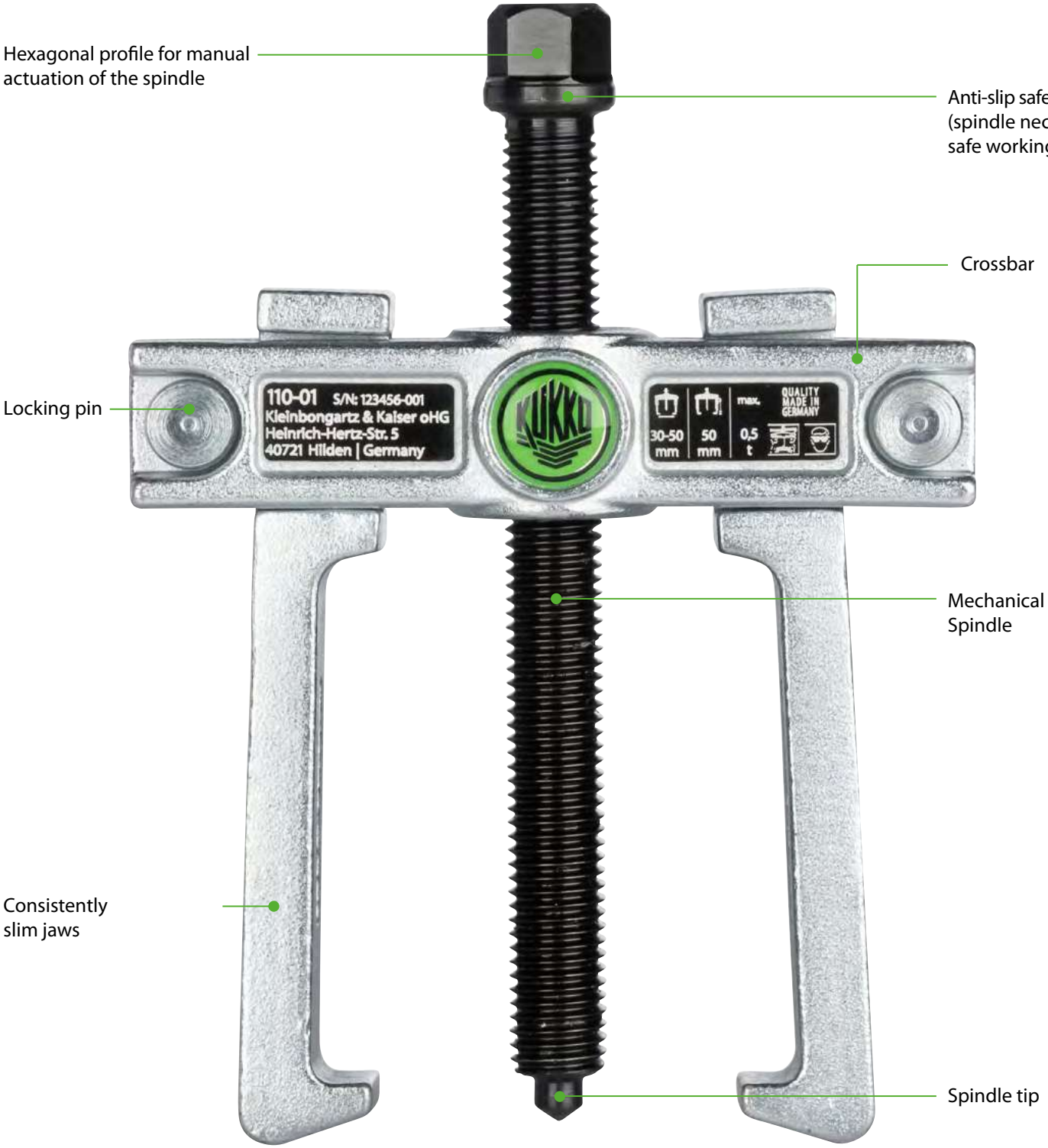
DEPLOYMENT

The 2-jaw universal puller "Techno" is used for disassembling various components (e.g., ball bearings, gears, discs, etc.) in workshops and agriculture. The two locking pins prevent the puller jaws from slipping off the crossbar and thus guarantee a particularly safe pulling process.

Benefits

- The locking pin protects against the jaws slipping off the crossbar.
- Optional convertible from an external puller to an internal extractor by reversing the jaws.
- Anti-slip safety (spindle neck) at the spindle head for safe working with wrench.
- Spindle exit to protect the thread

ASSEMBLY OF THE UNIVERSAL PULLER "TECHNO"



locking pin

The locking pins ensure that the puller jaws cannot slip off the crossbar. Additionally, the removable pin allows for a quick reversal of the jaws, making the puller universally applicable.

Removable safety pin

The spring-loaded ball secures the pin against slipping out.

The locking pin has been inserted.

APPLICATION EXAMPLES

Removing a pulley from a machine gearbox with the 110-02

Removing a pulley from a washing machine motor with the 110-01

Removing a hub from a steering knuckle with the 110-2

SERIES 110
2-JAW UNIVERSAL PULLER "TECHNO" WITH LOCKING PIN

The 2-jaw universal puller "Techno" with locking pin is used for pulling bearings, gears, and discs in all common sizes for agriculture and workshops. It allows for loosening any component that sits on a shaft and is freely accessible from the outside. Equipped with consistently parallel and slender puller jaws, the puller ensures particularly safe, non-destructive disassembly during both external extraction and internal pulling. The locking pin prevents the puller jaws from slipping off the crossbar.

Benefits

- The locking pin prevents the jaws from slipping off the crossbar.
- Optional convertible from an external puller to an internal extractor by reversing the jaws.
- Anti-slip safety (spindle neck) at the spindle head for safe working with a wrench
- Spindle outlet to protect the thread

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
110-01	-923753	22 - 50 7/8 - 1 15/16	50 1 15/16	45 - 55 1 3/4 - 2 3/16	10 3/8	12 8.85	5	0.5 0.55	0,265 0,584
110-02	-923760	22 - 85 7/8 - 3 3/8	50 1 15/16	45 - 90 1 3/4 - 3 9/16	10 3/8	12 8.85	10	1 1.10	0,31 0,684
110-1	-923777	28 - 100 1 1/8 - 3 15/16	100 3 15/16	80 - 105 3 1/8 - 4 1/8	17 11/16	35 25.82	20	2 2.20	1,18 2,602
110-10	-923784	33 - 120 1 5/16 - 4 3/4	100 3 15/16	90 - 140 3 9/16 - 5 1/2	17 11/16	35 25.82	20	2 2.20	1,255 2,767
110-2	-923791	42 - 165 1 5/8 - 6 1/2	150 5 7/8	100 - 190 3 15/16 - 7 1/2	19 3/4	100 73.76	50	5 5.51	2,46 5,424
110-20	-923807	52 - 200 2 1/16 - 7 7/8	150 5 7/8	115 - 230 4 1/2 - 9 1/16	19 3/4	80 59.01	40	4 4.41	2,645 5,832
110-3	-923814	62 - 250 2 7/16 - 9 13/16	200 7 7/8	140 - 280 5 1/2 - 11 1/32	22 7/8	120 88.51	60	6 6.61	4,88 10,760
110-4	-956317	152 - 350 5 1 - 13 3/4	250 9 13/16	230 - 380 9 1/16 - 14 15/16	22 7/8	150 110.64	70	7 7.72	6,21 13,693

SERIES 200-U | 200-UM

UNIVERSAL PULLER FOR AGRICULTURE AND WORKSHOP

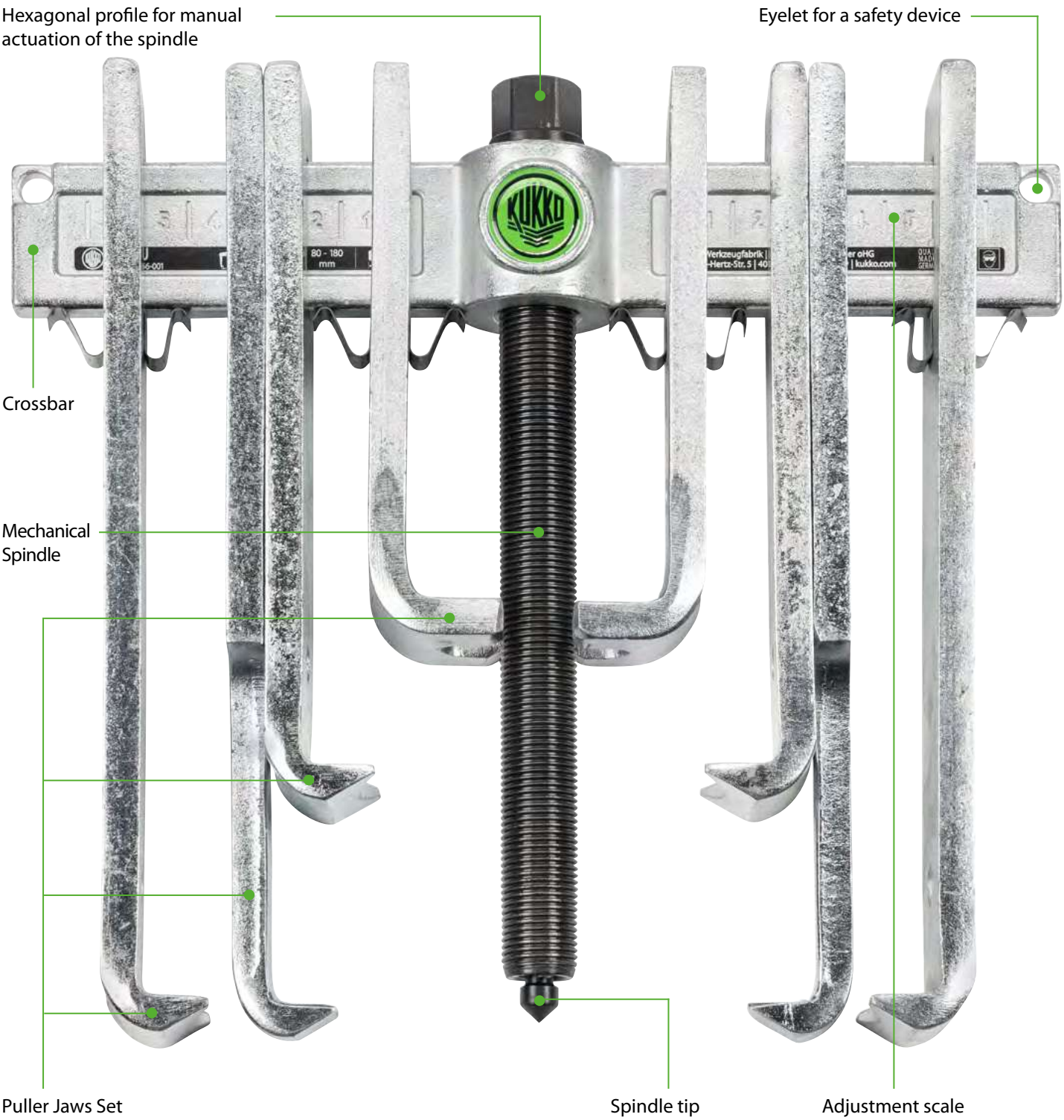
DEPLOYMENT

Due to its particularly robust design, the 2-jaw universal puller "Economy" is the ideal choice for pulling operations in agriculture as well as in workshops. Thanks to the versatile combination set of puller jaws, various components in all common sizes can be disassembled without damage.

Benefits

- Multifunctional use thanks to four different puller jaw pairs for individual adjustment to the respective reach
- Puller jaws can be connected via a screw connection up to a reach of 580 mm.
- Optional convertible from an external puller to an internal extractor by reversing the jaws.
- Safe positioning of the spindle through a rotating spindle tip on both smooth surfaces and during centering (Switch Technology)

ASSEMBLY OF A UNIVERSAL PULLER USING THE EXAMPLE 200-U



FEATURES OF THE SERIES

SERIES 200-U

2-jaw universal puller "Economy"

The 2-jaw universal puller can be individually adjusted to the respective reach by the differently long jaws.

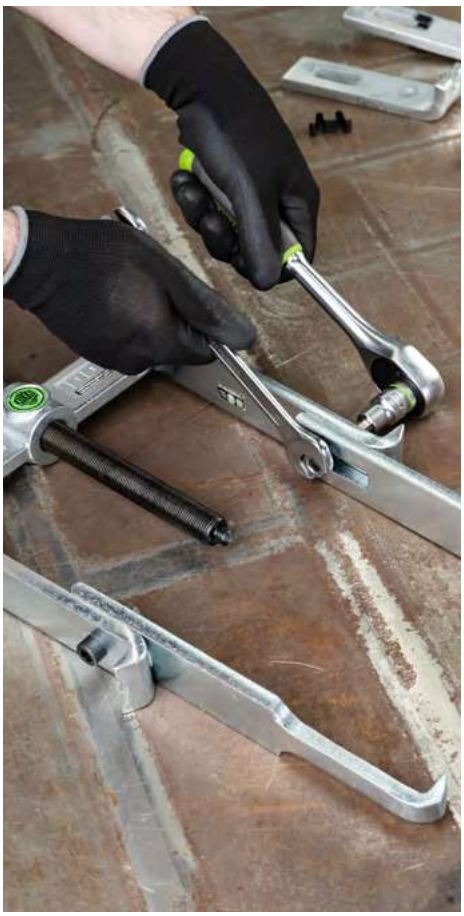
SERIES 200-UM

2-jaw universal puller "Economy" in metal case

The 2-jaw universal puller "Economy" is also available in an extremely robust protective and transport case made of metal.

APPLICATION EXAMPLES

The puller jaws are placed on the crossbar; a scale on the crossbar facilitates the correct adjustment of the distances.



The puller jaws can be connected to each other via a screw connection.

The 2-jaw universal puller "Economy" with extended puller jaws for increased reach depth.

SERIES 200-U
2-JAW UNIVERSAL PULLER "ECONOMY" WITH DIFFERENTLY LONG PULLER JAWS IN THE SET

The 2-jaw universal puller "Economy" with a versatile combination puller jaw set is used for pulling bearings, gears, and discs in all common sizes in agriculture and workshops. It can loosen any component that is on a shaft and is freely accessible from the outside. The different lengths of the puller jaws allow the puller to be individually adjusted to the respective reach.

Benefits

- Multifunctional use thanks to four different pairs of jaws for individual adjustment to the respective reach
- Pulling jaws can be connected via screw connection up to a reach depth of 580 mm.
- Optional convertible from an external puller to an internal extractor by flipping the jaws.
- Secure attachment of the spindle through a rotatable spindle tip on both smooth surfaces and during centering (Switch Technology)

Technical attributes

#				SW		**Max. tractive force**	**Max. tensile force**	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	t/US t. sh.	kN	kg/lb
200-U	-025433	0 - 250 0 - 9 7/8	180 7 1/8	22 7/8	120 88.51	5 5.51	50	6,96 15,347

SERIES 200-UM
2-JAW UNIVERSAL PULLER "ECONOMY" WITH DIFFERENTLY LONG PULLER JAWS IN A SET IN A METAL CASE

The 2-jaw universal puller "Economy" with a versatile combination of puller jaw set is used for pulling bearings, gears, and discs in all common sizes in agriculture and workshops. This allows for the loosening of any component mounted on a shaft and freely accessible from the outside. With the various lengths of puller jaws, the puller can be individually adjusted to the respective reach.

Benefits

- Multifunctional use thanks to four different pairs of jaws for individual adjustment to the respective reach
- Pulling jaws can be connected via screw connection up to a reach depth of 580 mm.
- Optional convertible from an external puller to an internal extractor by reversing the jaws.
- Safe setting up of the spindle using a rotatable spindle tip on both smooth surfaces and during centering (Switch Technology)

Technical attributes

#				SW	**Max. tensile force**	**Max. tractive force**	
	EAN	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb
200-UM	-025501	0 - 250 0 - 9 7/8	180 7 1/8	22 7/8	50	5 5.51	8,92 19,669

SERIES 41 | 42

PULLER WITH SWIVELING JAW ARMS

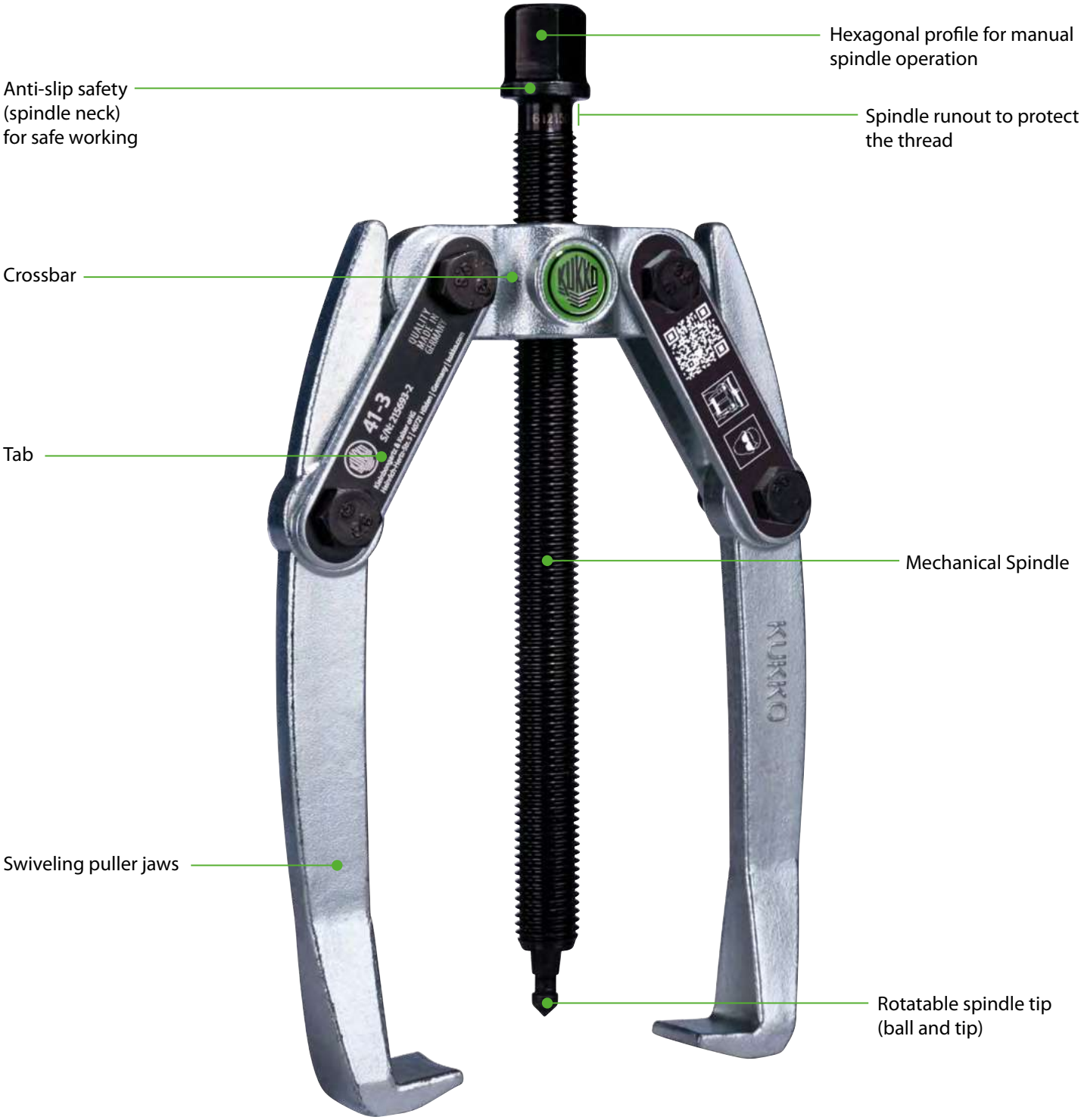
DEPLOYMENT

The universal pullers of series 41 and 42 are suitable for non-destructive disassembly of various components (such as gears, ball bearings, pulleys, etc.). The swiveling jaws guarantee maximum freedom of movement for individual adjustment to the desired spread and depth, thereby allowing extraction in confined spaces.

Benefits

- Swiveling jaws enable work in confined spaces while simultaneously allowing for individual adjustment to the spread and reach.
- Secure setup of the spindle through the rotatable spindle tip on both smooth surfaces and during centering (applies from size 41-3)
- Integrated, free-moving pin on the T-handle guarantees manual spindle drive in the tightest of spaces (applies up to size 41-2)
- 3-jaw ensures an even distribution of force and enables greater pull-off forces (series 41-B and 42-B)

ASSEMBLY OF A UNIVERSAL PULLER USING EXAMPLE 41-3



FEATURES OF THE SERIES

SERIES 41

2-jaw universal puller with T-handle

41-1

The 2-jaw universal puller with free-moving pin on the T-handle is suitable for pulling operations in tight spaces. When delicately operating the spindle manually, exactly the force required for pulling is generated.

SERIES 41

2-jaw universal puller with hexagon

41-3

Due to its 2-arm design, the 41 series is suitable for pulling operations in restricted ambient conditions. The hexagon on the spindle head enables maximum power transmission.

BAUREIHE 41-B

2-jaw universal puller with hydraulic spindle

41-5-B

The hydraulic spindle ensures easy and controlled removal of particularly tightly seated components with minimal effort.

SERIES 42

3-jaw universal puller with T-handle

42-2

The benefit of the series 42 is the 3-jaw design, which allows for a particularly even force distribution. This results in even higher pull-off forces.

SERIES 42

2-jaw universal puller with hexagon

42-3

In addition to the advantage of the 3-jaw design, the puller features a dual spindle tip that allows for the processing of a wide variety of surfaces.

BAUREIHE 42-B

2-jaw universal puller with hydraulic spindle

42-5-B

The 42-B series guarantees a more even distribution of force and effortless removal of particularly stubborn components using the hydraulics, thanks to its 3-jaw design.

APPLICATION EXAMPLES

Removing a pump wheel from a water pump on the car with the 41-2

Dismantling a deflection pulley from a machine component with the 42-3

Ball bearing disassembly from a drive shaft flange with hydraulic spindle

Removing a small ball bearing from an E-motor shaft with the 41-0

SERIES 41
2-JAW UNIVERSAL PULLER WITH SWIVELING JAWS

The 2-jaw universal puller with swiveling jaws is used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It allows for the loosening of any component that sits on a shaft and is externally accessible. The swiveling jaws also provide maximum freedom of movement for individual adjustment to the respective spread and depth, even in restricted environmental conditions. Within series 41, there are various versions of the puller. The compact model 41-0 features a hexagon drive and a flat pressure piece on the spindle. The models 41-1 and 41-2 have a freely movable T-handle instead of the hexagon, allowing for work in tight spaces. Starting from size 41-3, the pullers are equipped with a hexagon drive and a dual spindle tip. This allows for the largest pulling forces to be achieved (3 to 7 tons).

Benefits

- Swiveling puller jaws allow for work in tight spaces while simultaneously providing individual adjustment for spread and reach.
- Anti-slip safety (spindle neck) at the spindle head for safe work with wrench
- Spindle outlet for thread protection
- Safe setup of the spindle via a rotatable spindle tip on both smooth surfaces and during centering (Switch Technology) (applies from size 41-3).

Technical attributes

#	4021176			SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
41-0	-362859	0 - 60 1/2 - 2 3/8	40 1 5/8	13 1/2	25 18.44	10	1 1.10	0,25 0,551
41-1	-015038	0 - 65 1/2 - 2 5/8	65 2 5/8	T-handle	 0.00	10	1 1.10	0,22 0,485
41-2	-015113	0 - 80 1/2 - 3 3/16	80 3 3/16	T-handle	 0.00	15	1.5 1.65	0,25 0,551
41-3	-787829	0 - 90 5/8 - 4	120 4 3/4	13 1/2	40 29.50	30	3 3.31	0,66 1,455
41-4	-836268	0 - 130 3/4 - 5 1/8	160 6 3/8	17 11/16	85 62.70	50	5 5.51	1,38 3,043
41-5	-836343	0 - 180 1 1/32 - 7 1/8	200 7 7/8	22 7/8	150 110.64	70	7 7.72	3,28 7,232

SERIES 41-B
2-JAW UNIVERSAL PULLER WITH SWIVELING JAWS AND HYDRAULIC SPINDLE

The 2-jaw universal puller with swiveling jaws and hydraulic spindle is used for pulling bearings, gears and discs in all common sizes for crafts, workshops, and industry. The hydraulic spindle achieves an average pulling force of up to 10 t. This allows for loosening any component that is mounted on a shaft and is freely accessible from the outside. The swiveling jaws also provide maximum freedom of movement for individual adaptation to the respective spread and depth, even under restricted environmental conditions. For pulling operations in tight spaces, the mechanical spindle can be utilized.

Benefits

- Swiveling puller jaws allow for work in tight spaces while simultaneously providing individual adjustment for spread and reach.
- The hydraulic spindle guarantees easy and controlled removal of parti cularly tight-fitting parts with minimal effort.
- In limited spatial conditions that require direct access to the component, the mechanical spindle can be used.
- The mechanical spindle features a rotatable spindle tip for safe placement on smooth surfaces and during centering.

Technical attributes

#	4021176				Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
41-5-B	-887345	0 - 180 1 1/32 - 7 1/8	200 7 7/8	15 11.06	100	10 11.02	4,875 10,749

SERIES 42
3-JAW UNIVERSAL PULLER WITH SWIVELING JAWS

The 3-jaw universal puller with swiveling jaws is used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It allows for the loosening of any component that is mounted on a shaft and accessible from the outside. The swiveling jaws also provide maximum freedom of movement for individual adaptation to the respective spread and depth, even in restricted environmental conditions. The 3-jaw design guarantees an even weight distribution and thus a particularly secure hold on the part being pulled. Within series 42, there are various designs of the puller. Up to model 41-2, the puller is equipped with a T-handle and a flat pressure piece for work in tight spaces. Starting from model 42-3, the puller features a hexagon drive and a dual spindle tip. This allows for achieving the highest pulling forces (3 to 7 tons).

Benefits

- Swiveling puller jaws allow for work in tight spaces while simultaneously providing individual adjustment for spread and reach.
- 3-jaw provides an even distribution of force and allows for greater pulling forces.
- Anti-slip safety (spindle neck) at spindle head for safe working with wrench.
- Spindle outlet to protect the thread.

Technical attributes

#	EAN	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
42-0	-362026	0 - 60 1/2 - 2 3/8	40 1 5/8	13 1/2	25 18.44	15	1.5 1.65	0,27 0,595
42-1	-015298	0 - 65 1/2 - 2 5/8	65 2 5/8		0.00	15	1.5 1.65	0,295 0,650
42-2	-015373	0 - 80 1/2 - 3 3/16	80 3 3/16		0.00	15	1.5 1.65	0,33 0,728
42-3	-787904	0 - 90 5/8 - 4	120 4 3/4	13 1/2	40 29.50	30	3 3.31	0,87 1,918
42-4	-836428	0 - 130 3/4 - 5 1/8	160 6 3/8	17 11/16	85 62.70	50	5 5.51	2,8 6,174
42-5	-836596	0 - 180 1 1/32 - 7 1/8	200 7 7/8	22 7/8	150 110.64	70	7 7.72	4,295 9,470

SERIES 42-B
3-JAW UNIVERSAL PULLER WITH SWIVELING JAWS AND HYDRAULIC SPINDLE

The 3-jaw universal puller with swiveling jaws and hydraulic spindle is used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. The hydraulic spindle achieves an average pulling force of up to 10 tons. This allows any component that is mounted on a shaft and accessible from the outside to be loosened. The swiveling jaws also provide maximum freedom of movement for individual adjustment to the respective spread and depth, even in restricted surroundings. The 3-jaw design guarantees a uniform load distribution and therefore a particularly secure grip on the part to be removed. For pulling operations in confined spaces, the mechanical spindle can be used.

Benefits

- Swiveling puller jaws allow for work in tight spaces while simultaneously providing individual adjustment for spread and reach.
- The hydraulic spindle guarantees easy and controlled removal of particularly tight-fitting parts with minimal effort.
- In limited spatial conditions that require direct access to the component, the mechanical spindle can be used.
- The mechanical spindle features a rotatable spindle tip for secure placement on smooth surfaces and during centering.

Technical attributes

#	EAN	mm/inch	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
42-5-B	-887352	0 - 180 1 1/32 - 7 1/8	200 7 7/8	15 11.06	100	10 11.02	5,695 12,557

SERIES 46 | 47

HEAVY PULLER WITH SWIVELING PULLER JAWS AND COMBO CROSSBAR

DEPLOYMENT

There are pull processes that must be performed in tight spaces. To grasp installed parts, the heavy pullers of the series 46 and 47 are equipped with swiveling puller jaws. These guarantee maximum freedom of movement for individual adjustment to the desired spread and reach.

Benefits

- Swiveling jaws enable work in tight spaces while simultaneously allowing individual adjustment to the spread and depth.
- Kombi-crossbar can be used in both 2-jaw and 3-jaw configurations.
- Anti-slip safety (spindle neck) at the spindle head for safe working with wrench.
- Spindle runout to protect the thread
- 3-jaw design ensures an even force distribution and allows for greater extraction forces (series 47)

BUILD-UP

FEATURES OF THE SERIES

SERIES 46

The series 46 is suitable for pulling operations in restricted environmental conditions. The swiveling puller jaws guarantee precise adjustment of the required spread and reach.

SERIES 47

The series 47 is also used in restricted environmental conditions. Thanks to the 3-jaw design, an even more uniform power distribution occurs.

SERIES 46-B

The series 46-B is recommended for extraction processes under restricted environmental conditions, where a medium pulling force of 15 t can be achieved with minimal effort.

SERIES 47-B

The series 47-B is used in confined space conditions and offers the advantages of hydraulics and 3-jaw design.

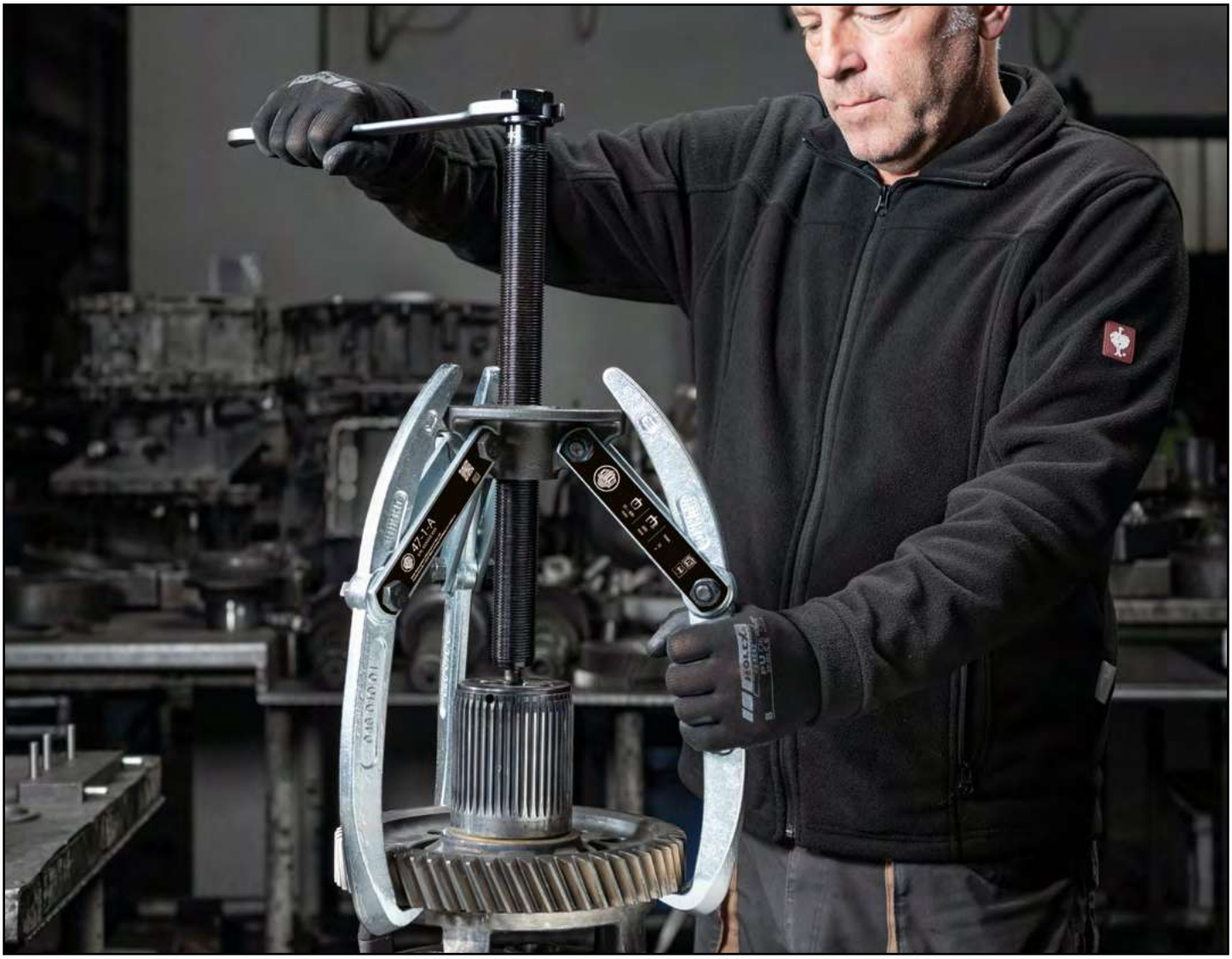
MULTI-TRAVERSE - FROM 2 TO 3

SERIES 46

SERIES 47

The combination crossbar has the advantage that it can be used as a 2-jaw or 3-jaw puller. Depending on the installation situation, the puller can be converted with just a few manual steps. Another special feature of the combination crossbar is the brackets for the fall protection (series 660).

APPLICATION EXAMPLES



Removing a gear with the 47-1-A

SERIES 46
HEAVY, 2-JAW UNIVERSAL PULLER WITH SWIVELING PULLER JAWS AND COMBINATION CROSSBAR

The heavy, 2-jaw universal puller with swiveling jaws and combination crossbar is used to extract large bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It allows for the loosening of any component that sits on a shaft and is accessible from the outside. The swiveling jaws also ensure maximum freedom of movement for individual adjustment to the respective spread and depth, even in constrained environmental conditions. Thanks to the combination crossbar, the puller can be used as both a 2-jaw and a 3-jaw puller.

Benefits

- Swiveling jaws allow for operation in the tightest spaces while simultaneously providing individual adjustment to the spread and depth.
- The crossbar can be used in both 2-jaw and 3-jaw versions.
- Anti-slip safety (spindle neck) at spindle head for safe working with wrench.
- Spindle outlet to protect the thread

Technical attributes

#				SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
46-1-A	-016936	0 - 300 1 3/8 - 11 7/8	300 11 7/8	36 1 7/16	450 331.92	120	12 13.23	10,125 22,326
46-2-A	-017193	0 - 500 1 3/8 - 19 3/4	450 17 3/4	36 1 7/16	450 331.92	120	12 13.23	12,235 26,978

SERIES 46-B
HEAVY, 2-JAW UNIVERSAL PULLER WITH SWIVELING PULLER JAWS, COMBINATION CROSSBAR, AND HYDRAULIC SPINDLE

The heavy, 2-jaw universal puller with swiveling puller jaws, combination crossbar, and hydraulic spindle is used for pulling large, particularly stuck bearings, gears, and discs in all common sizes for trades, workshops, and industry. The hydraulic spindle achieves an average pulling force of up to 15 t. This allows for the loosening of any component that sits on a shaft and is accessible from outside. For pulling processes with pulling forces of up to 10 t and/or in confined spaces, the mechanical spindle can be used. The swiveling puller jaws also provide maximum freedom of movement to individually adjust to the respective spread and depth, even under restricted environmental conditions. Thanks to the combination crossbar, the puller can be used both as a 2-jaw and a 3-jaw puller.

Benefits

- Swiveling jaws allow for operation in the tightest spaces while simultaneously providing individual adjustment to the spread and depth.
- The crossbar can be used as both a 2-jaw and a 3-jaw.
- Hydraulic spindle ensures easy and controlled removal of particularly tight-fitting parts with minimal effort.
- In limited space conditions that require direct access to the component, the mechanical spindle can be used.

Technical attributes

#					Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
46-1-B	-017018	0 - 300 1 3/8 - 11 7/8	300 11 7/8	450 331.92	150	15 16.53	19,22 42,380
46-2-B	-017278	0 - 500 1 3/8 - 19 3/4	450 17 3/4	450 331.92	150	15 16.53	16 35,280

SERIES 47
HEAVY 3-JAW UNIVERSAL PULLER WITH SWIVELING PULLER JAWS AND COMBINATION CROSSBAR

The heavy 3-jaw universal puller with pivoting puller jaws and combination crossbar is used to pull large bearings, gears, and discs in all common sizes for craft, workshop, and industry. It can release any component that sits on a shaft and is freely accessible from the outside. The pivoting puller jaws provide maximum freedom of movement for individual adaptation to the respective spread and depth, even in restricted environmental conditions. The 3-jaw design guarantees an even load distribution, ensuring particularly secure grip on the part being pulled. Thanks to the combination crossbar, the puller can also be used as a 2-jaw model.

Benefits

- Swiveling jaws allow for operation in the tightest spaces while simultaneously providing individual adjustment to the spread and depth.
- The crossbar can be used as both a 2-jaw and a 3-jaw.
- 3-jaw ensures an even force distribution and allows for greater pulling forces.
- Anti-slip safety (spindle neck) for safe working with wrench

Technical attributes

#	4021176			SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
47-1-A	-017681	0 - 300 1 3/8 - 11 7/8	300 11 7/8	36 1 7/16	450 331.92	120	12 13.23	12,25 27,011
47-2-A	-017841	0 - 500 1 3/8 - 19 3/4	450 17 3/4	36 1 7/16	450 331.92	120	12 13.23	14,68 32,369

SERIES 47-B
HEAVY 3-JAW UNIVERSAL PULLER WITH SWIVELING PULLER JAWS, COMBINATION CROSSBAR, AND HYDRAULIC SPINDLE

The heavy 3-jaw universal puller with swiveling jaws, combination crossbar, and hydraulic spindle is used to pull large, particularly stuck bearings, gears, and discs in all common sizes for crafts, workshops, and industry. The hydraulic spindle achieves an average pulling force of up to 15 tons. This allows any component located on a shaft and freely accessible from the outside to be loosened. For pulling processes with a pulling force of up to 10 tons and/or in confined spaces, the mechanical spindle can be used. The swiveling jaws also provide maximum freedom of movement for individual adjustment to the respective spread and depth, even in restricted environmental conditions. Thanks to the combination crossbar, the puller can be used as both a 2-jaw and 3-jaw tool. The 3-jaw design guarantees an even load distribution and thus a particularly secure hold on the part being pulled.

Benefits

- Swiveling jaws allow for operation in the tightest spaces while simultaneously providing individual adjustment to the spread and depth.
- The crossbar can be used as both a 2-jaw and a 3-jaw.
- 3-jaw ensures an even force distribution and allows for greater pulling forces.
- Fat hydraulic spindle guarantees easy and controlled removal of particularly stubborn parts with minimal effort.

Technical attributes

#	4021176				Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
47-1-B	-017766	0 - 300 1 3/8 - 11 7/8	300 11 7/8	45 33.19	150	15 16.53	20,92 46,129
47-2-B	-017926	0 - 500 1 3/8 - 19 3/4	450 17 3/4	45 33.19	150	15 16.53	20,14 44,409

SERIES 201 | 202 | 203

PULLING TOOL

DEPLOYMENT

The 2-jaw and 3-jaw pullers are equipped with oscillating and reversible jaws and are used for centric extraction of bearings, gears, and discs in all common sizes for craftsmanship, workshop, and industry. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. The oscillating jaws with adjustable reach guarantee maximum flexibility and are applicable on both sides. Depending on the version, the claw shape varies.

Benefits

- Adjustable and 180° rotatable jaws for individual adjustment of the reach
- Oscillating jaws offer a variety of adjustment options
- Puller jaws with different claw shapes for flexible working
- Claw end with slot provides support for screw for additional support when pulling off
- 3-jaw ensures an even force distribution and allows for greater pulling forces (series 202 and 203)
- Thanks to the combination crossbar, the puller can be used for 2-jaw and 3-jaw pulling (series 203)

ASSEMBLY OF A PULLER USING THE EXAMPLE OF THE 201-2

FEATURES OF THE SERIES

SERIES 201

2-jaw puller with oscillating and reversible puller jaws

201-1

The 201 series is suitable for extraction processes in restricted environmental conditions. The oscillating and reversible jaws guarantee various adjustment options for the jaws.

SERIES 202

3-jaw puller with oscillating and reversible jaws

202-2

The benefit of the series 202 is the 3-jaw design, which allows for a particularly even distribution of force. This enables even higher pull-out forces.

SERIES 203

3-jaw puller with oscillating and reversible jaws and crossbar

203-4

The special feature of the series 203 is the combination crossbar, which allows the puller to be used for both 2-jaw and 3-jaw pulling.

MULTI-CROSSBAR AND REVERSIBLE CLAWS

Multi-Traverse with 3 hooks

Multi-Traverse with 2 Haken

The pullers of series 203 feature a combination crossbar that can be used for both 2-jaw and 3-jaw pulling operations.

The reversible puller arms and various claw shapes guarantee maximum flexibility when pulling.

APPLICATION EXAMPLES

The oscillating jaws of the series 201, 202, and 203 can be perfectly positioned on the part to be pulled out.

The multiple drilling of the jaws allows for quick adjustment to the desired reach

3-jaw puller with combination crossbar for the removal of a gear from an electric motor

Thanks to the combination crossbar, the 203-0 can also be used for 2-jaw pulling after a short conversion.

SERIES 201
2-JAW TAB PULLER WITH OSCILLATING, REVERSIBLE PULLER JAWS

Hook with slot for the articles 201-2 and 201-3

The 2-jaw puller with oscillating and reversible jaws is used for centric pulling of bearings, gears, and discs in all common sizes for craft, workshop, and industry. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. The oscillating jaws with adjustable reach are applicable on both sides. Depending on the design, the claw shape varies.

Benefits

- Adjustable and 180° rotatable puller jaws for individual adjustment of the reach.
- Oscillating puller jaws offer versatile adjustment options
- Puller jaws with different claw shapes for flexible working
- Claw end with slot provides support for screw for additional support when pulling off

Technical attributes

#				SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
201-0	-026423	0 - 100 5/8 - 3 7/8	75 3	13 1/2	25 18.44	15	1.5 1.65	0,43 0,948
201-1	-026591	0 - 150 3/4 - 5 7/8	85 3 3/8	17 11/16	75 55.32	50	5 5.51	0,86 1,896
201-2	-026676	0 - 220 1 1/32 - 8 5/8	130 5 1/8	22 7/8	150 110.64	70	7 7.72	2,44 5,380
201-3	-026751	0 - 300 1 1/2 - 11 7/8	260 10 1/4	27 1 1/16	250 184.40	100	10 11.02	5,28 11,642
201-4	-026836	0 - 380 1 1/2 - 15	300 11 7/8	27 1 1/16	250 184.40	100	10 11.02	5,62 12,392

SERIES 202
3-JAW PULLER WITH OSCILLATING, REVERSIBLE JAWS

Hook with slot for the articles 202-2 and 202-3

The 3-jaw puller with oscillating and reversible jaws is used for centralized extraction of bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows the loosening of any component that sits on a shaft and is freely accessible from the outside. The oscillating jaws with adjustable reach can be applied on both sides. Depending on the design, the claw shape varies. The 3-jawed design ensures even load distribution and a particularly safe grip on the part being extracted.

Benefits

- Adjustable and 180° rotatable puller jaws for individual adjustment of the reach.
- Oscillating puller jaws offer a variety of adjustment options
- Pulling jaws with different claw shapes for flexible working.
- Claw end with slot provides support for screw for additional support when pulling off

Technical attributes

#				SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
202-0	-027093	0 - 100 5/8 - 3 7/8	75 3	13 1/2	25 18.44	15	1.5 1.65	0,59 1,301
202-1	-027178	0 - 150 3/4 - 5 7/8	85 3 3/8	17 11/16	75 55.32	50	5 5.51	1,17 2,580
202-2	-027253	0 - 220 1 1/32 - 8 5/8	130 5 1/8	22 7/8	150 110.64	70	7 7.72	2,98 6,571
202-3	-027338	0 - 300 1 3/16 - 11 7/8	260 10 1/4	27 1 1/16	250 184.40	100	10 11.02	6,775 14,939
202-4	-027413	0 - 380 1 3/16 - 15	300 11 7/8	27 1 1/16	250 184.40	100	10 11.02	7,135 15,733

SERIES 203
3-JAW PULLER WITH OSCILLATING, REVERSIBLE PULLER JAWS AND COMBINATION CROSSBAR

Hook with slot for the articles 203-2 and 203-3

The 2-jaw and 3-jaw puller with crossbar features oscillating and reversible jaws and is used for centric pulling of bearings, gears, and disks in all common sizes for craft, workshop, and industry. This allows for the removal of any component that sits on a shaft and is freely accessible from the outside. The swiveling jaws with adjustable spread are applicable on both sides. Depending on the design, the claw shape varies. Thanks to the crossbar, the puller can be used as both a 2-jaw and 3-jaw tool. The 3-jaw configuration ensures an even load distribution and thus a particularly secure grip on the part being extracted.

Benefits

- Thanks to the combination crossbar, the puller can be used for 2-jaw and 3-jaw pulling.
- Adjustable and 180° rotatable puller jaws for individual adaptation of the reach.
- Oscillating jaws offer a variety of adjustment options.
- Pulling arms with different jaw shapes for flexible working.

Technical attributes

#				SW		Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
203-0	-027666	0 - 120 5/8 - 4 3/4	75 3	13 1/2	25 18.44	15	1.5 1.65	0,66 1,455	-
203-1	-027741	0 - 180 3/4 - 7 1/8	85 3 3/8	17 11/16	75 55.32	50	5 5.51	1,26 2,778	224-678
203-2	-027826	0 - 280 1 1/32 - 11 1/32	130 5 1/8	22 7/8	150 110.64	70	7 7.72	3,1 6,836	224-677, 224-678
203-3	-027901	0 - 350 1 1/2 - 13 3/4	260 10 1/4	27 1 1/16	250 184.40	100	10 11.02	6,86 15,126	-
203-4	-028083	0 - 400 1 1/2 - 15 3/4	300 11 7/8	27 1 1/16	250 184.40	100	10 11.02	7,225 15,931	-

Extraction process of a camshaft gear with the 118-0 using the single-finger claws.

SERIES 205 | 206 | 207

HEAVY LIFTING PULLER

DEPLOYMENT

The heavy pullers are equipped with oscillating jaws. The advantage of these swinging jaws is that they can be adapted to various installation situations – even in confined spaces. This guarantees maximum maneuverability for individual adjustment to the desired spread. Additionally, the reach can be individually adjusted via suspensions on the jaws.

Benefits

- Adjustable puller jaws for individual adjustment of reach
- Oscillating jaws offer a variety of adjustment options
- Puller jaws with different claw shapes for flexible working
- Claw end with slot provides support for screw for additional support when pulling off
- Thanks to the combination crossbar, the puller can be used for 2-jaw and 3-jaw pulling (series 207)
- 3-jaw design ensures an even force distribution and allows for greater pulling forces (series 206 and 207)

ASSEMBLY OF A TAB PULLER

FEATURES OF THE SERIES

SERIES 205

2-jaw puller

205-00

The series 205 is suitable for extraction processes in restricted environmental conditions. The oscillating and height-adjustable jaws guarantee precise setting of the required spread and reach.

SERIES 206

3-jaw puller

206-01

The benefit of the 206 series is the 3-arm design, which enables particularly even force distribution. This enables even higher pull-off forces.

SERIES 207

3-jaw puller with crossbar

207-1

The special feature of the 207 series is the combination crossbar, which allows the puller to be used for both 2-jaw and 3-jaw extraction.

SERIES 205-B

2-jaw hydraulic puller

205-1-B

SERIES 206-B

3-jaw hydraulic puller

206-02-B

SERIES 207-B

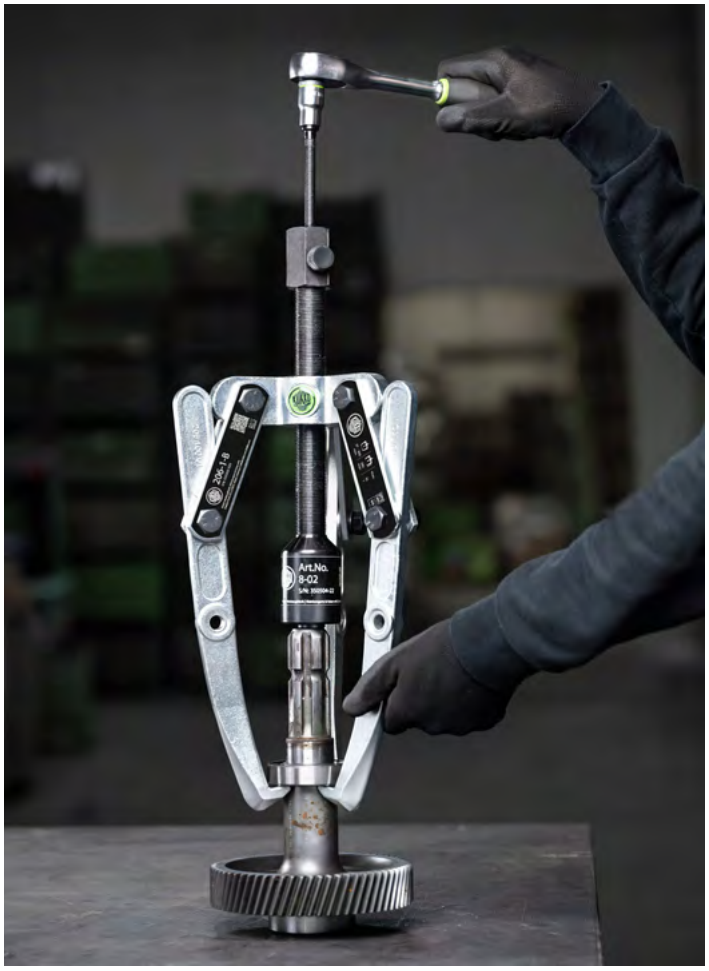
3-jaw hydraulic puller with combo crossbar

207-1-B

The pullers are also available with a hydraulic spindle that achieves a pulling force of up to 15 t. The hydraulic spindle guarantees easy and controlled extraction of particularly seized components with minimal effort.

APPLICATION EXAMPLES

Expansion of a gear wheel with the 205-01



Dismantling a ball bearing from a gear shaft using the hydraulic tabs puller 206-1-B

Removing a ball bearing with the heavy tab puller 207-02

Removing a gear with the heavy tab puller 207-2

SERIES 205
HEAVY 2-JAW PULLER WITH OSCILLATING AND HEIGHT-ADJUSTABLE PULLER JAWS

The heavy, 2-jaw puller with oscillating and height-adjustable jaws is used for the central extraction of large bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows for loosening any component that is mounted on a shaft and accessible from the outside. The oscillating jaws adapt to any installation situation and can be universally used due to the adjustable reach. Depending on the version, the claw shape varies.

Benefits

- Adjustable puller jaws for individual adaptation of the reach.
- Oscillating puller jaws offer a variety of adjustment options
- Pulling jaws with different claw shapes for flexible working.
- Claw end with slot provides support for screw for additional support when pulling off

Technical attributes

#				SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
205-00	-028571	0 - 100 5/8 - 3 7/8	100 3 7/8	13 1/2	50 36.88	35	3.5 3.86	0,485 1,069
205-01	-028656	0 - 150 3/4 - 5 7/8	150 5 7/8	17 11/16	120 88.51	50	5 5.51	1,35 2,977
205-02	-028731	0 - 250 1 1/32 - 9 7/8	220 8 5/8	22 7/8	150 110.64	70	7 7.72	2,545 5,612
205-1	-028816	0 - 300 1 1/2 - 11 7/8	280 11 1/32	27 1 1/16	280 206.53	100	10 11.02	5,5 12,128
205-2	-028991	0 - 400 1 1/2 - 15 3/4	400 15 3/4	27 1 1/16	300 221.28	100	10 11.02	6,71 14,796
205-3	-029073	0 - 500 1 1/2 - 19 3/4	540 21	27 1 1/16	320 236.03	120	12 13.23	8,545 18,842

SERIES 206
HEAVY, 3-JAW PULLER WITH OSCILLATING AND HEIGHT-ADJUSTABLE JAWS

The heavy 3-jaw puller with oscillating and height-adjustable jaws is used for centric extraction of large bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows you to remove any component sitting on a shaft that is freely accessible from the outside. The oscillating jaws adapt to any installation situation and are universally applicable due to the adjustable reach. Depending on the design, the shape of the jaws varies. The 3-jaw design guarantees an even load distribution and thus a particularly secure grip on the part being pulled.

Benefits

- Adjustable puller jaws for individual adjustment of reach depth
- Oscillating puller jaws offer a variety of adjustment options
- Puller jaws with different claw shapes for flexible working
- Claw end with slot provides support for screw for additional support when pulling off

Technical attributes

#				SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
206-00	-029158	0 - 100 5/8 - 3 7/8	100 3 7/8	13 1/2	50 36.88	35	3.5 3.86	0,65 1,433
206-01	-029233	0 - 150 3/4 - 5 7/8	150 5 7/8	17 11/16	120 88.51	50	5 5.51	1,42 3,131
206-02	-029318	0 - 250 1 1/32 - 9 7/8	220 8 5/8	22 7/8	150 110.64	70	5 5.51	3,36 7,409
206-1	-029493	0 - 300 1 1/2 - 11 7/8	280 11 1/32	27 1 1/16	280 206.53	100	10 11.02	7,25 15,986
206-2	-029561	0 - 450 1 1/2 - 15 3/4	400 15 3/4	27 1 1/16	300 221.28	100	10 11.02	8,845 19,503
206-3	-029646	0 - 500 1 1/2 - 19 3/4	540 21	27 1 1/16	320 236.03	120	12 13.23	12,75 28,114

SERIES 207
HEAVY, 3-JAW PULLER WITH OSCILLATING, HEIGHT-ADJUSTABLE PULLER ARMS AND COMBINED CROSSBAR

The heavy 2-jaw or 3-jaw puller with oscillating, height-adjustable pulling jaws and combination crossbar is used for concentric extraction of large bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It can loosen any component that sits on a shaft and is freely accessible from the outside. The oscillating pulling jaws adapt to any installation situation and are universally applicable due to the adjustable reach. Thanks to the combination crossbar, the puller can be used in both 2-jaw and 3-jaw configurations. Depending on the design, the claw shape differs. The 3-jaw feature ensures even load distribution and thus a particularly secure grip on the part being extracted.

Benefits

- Adjustable Puller Jaws for Individual Adjustment of Reach Depth
- Oscillating puller jaws offer a variety of adjustment options
- Pulling jaws with different claw shapes for flexible working.
- Thanks to the crossbar, the puller can be used for 2-jaw and 3-jaw pulling.

Technical attributes

#				SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
207-00	-029721	0 - 120 5/8 - 4 3/4	100 3 7/8	13 1/2	50 36.88	35	3.5 3.86	0,73 1,610
207-01	-029806	0 - 200 3/4 - 7 7/8	150 5 7/8	17 11/16	120 88.51	50	5 5.51	1,495 3,296
207-02	-029981	0 - 300 1 1/32 - 11 7/8	220 8 5/8	22 7/8	150 110.64	70	7 7.72	3,46 7,629
207-1	-030048	0 - 400 1 1/2 - 15 3/4	280 11 1/32	27 1 1/16	280 206.53	100	10 11.02	7,45 16,427
207-2	-030123	0 - 450 1 1/2 - 17 3/4	400 15 3/4	27 1 1/16	300 221.28	100	10 11.02	9,04 19,933
207-3	-030208	0 - 550 1 1/2 - 21 5/8	540 21	27 1 1/16	320 236.03	120	12 13.23	12,045 26,559

SERIES 205-B
HEAVY, 2-JAW PULLER WITH OSCILLATING, HEIGHT-ADJUSTABLE PULLER ARMS AND HYDRAULIC SPINDLE

The heavy, 2-jaw puller with oscillating, height-adjustable puller arms and hydraulic spindle is used for central extraction of large, particularly stubborn bearings, gears, and discs in all common sizes for crafts, workshops, and industry. The hydraulic spindle achieves an average pulling force of up to 12 t. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. For pulling operations with a pulling force of up to 10 t and/or in confined spaces, the mechanical spindle can be used. The oscillating puller arms adapt to any installation situation and are universally applicable due to the adjustable reach depth. Depending on the design, the claw shape differs.

Benefits

- Adjustable puller jaws for individual reach adjustment
- Oscillating puller jaws offer a variety of adjustment options
- Puller jaws with different claw shapes for flexible working
- Claw end with slot provides support for screw for additional support when pulling off

Technical attributes

#	EAN	mm/inch	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
205-02-B	-886072	0 - 250 1 1/32 - 9 7/8	220 8 5/8	15 11.06	100	10 11.02	4,295 9,470
205-1-B	-886089	0 - 300 1 1/2 - 11 7/8	280 11 1/32	20 14.75	120	12 13.23	7,595 16,747
205-2-B	-886096	0 - 400 1 1/2 - 15 3/4	400 15 3/4	20 14.75	120	12 13.23	8,978 19,796
205-3-B	-886102	0 - 500 1 1/2 - 19 3/4	540 21 1/4	20 14.75	120	12 13.23	10,46 23,064

SERIES 206-B
HEAVY 3-JAW PULLER WITH OSCILLATING, HEIGHT-ADJUSTABLE JAWS AND HYDRAULIC SPINDLE

The heavy, 3-jaw puller with oscillating, height-adjustable puller arms and hydraulic spindle is used for centrically pulling large, especially seized bearings, gears, and discs in all common sizes for craft, industry, and workshop. The hydraulic spindle achieves an average pulling force of up to 12 t. This allows for the loosening of any component that is mounted on a shaft and is freely accessible from the outside. For pulling processes with a pulling force of up to 10 t and/or in confined space conditions, the mechanical spindle can be used. The oscillating puller arms adapt to any installation situation and are universally applicable due to the adjustable reach. Depending on the design, the claw shape differs. The 3-jaw design guarantees even load distribution and thus a particularly safe hold on the part to be pulled.

Benefits

- Adjustable puller jaws for individual reach adjustment
- Oscillating puller jaws offer a variety of adjustment options
- Pulling jaws with different claw shapes for flexible working.
- Claw end with slot provides support for screw for additional support when pulling off

Technical attributes

#	EAN	mm/inch	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
206-02-B	-886119	0 - 250 1 1/32 - 9 7/8	220 8 5/8	15 11.06	100	10 11.02	5,24 11,554
206-1-B	-412448	0 - 300 1 1/2 - 11 7/8	280 11 1/32	20 14.75	120	12 13.23	9,285 20,473
206-2-B	-886126	0 - 450 1 1/2 - 15 3/4	400 15 3/4	20 14.75	120	12 13.23	9,42 20,771
206-3-B	-886133	0 - 500 1 1/2 - 19 3/4	540 21 1/4	20 14.75	120	12 13.23	14,095 31,079

SERIES 207-B
HEAVY, 3-JAW PULLER WITH OSCILLATING, HEIGHT-ADJUSTABLE PULLER ARMS, COMBINATION CROSSBAR, AND HYDRAULIC SPINDLE

The heavy, 2-jaw or 3-jaw puller with oscillating, height-adjustable jaws, combo crossbar, and hydraulic spindle is used for centric removal of large, particularly stuck bearings, gears, and discs in all common sizes for craft, industry, and workshop. The hydraulic spindle achieves an average pulling force of a maximum of 12 t. This allows for loosening any component that is seated on a shaft and is freely accessible from the outside. For pulling operations with a pulling force of up to 10 t and/or in confined spaces, the mechanical spindle can be used. The oscillating jaws adapt to any installation situation and are universally applicable due to the adjustable reach. Thanks to the combo crossbar, the puller can be used as both a 2-jaw and 3-jaw puller. Depending on the design, the claw shape differs. The 3-jaw design guarantees an even load distribution and thus a particularly secure grip on the part being pulled.

Benefits

- Adjustable puller jaws for individual reach adjustment
- Oscillating puller jaws offer a variety of adjustment options
- Puller jaws with different claw shapes for flexible working
- Thanks to the crossbar, the puller can be used for 2-jaw and 3-jaw pulling.

Technical attributes

#					Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
207-02-B	-886140	0 - 300 1 1/32 - 11 7/8	170 6 3/4	15 11.06	100	10 11.02	4,99 11,003
207-1-B	-886157	0 - 400 1 1/2 - 15 3/4	230 9 1/16	20 14.75	120	12 13.23	9,405 20,738
207-2-B	-886164	0 - 450 1 1/2 - 17 3/4	350 13 3/4	20 14.75	120	12 13.23	10,8 23,814
207-3-B	-886171	0 - 550 1 1/2 - 21 5/8	490 19 3/8	20 14.75	120	12 13.23	14,31 31,554

SERIES 208 | 209

PULLER "ECONOMY"

DEPLOYMENT

The 2-jaw and 3-jaw pullers "Economy" of series 208 and 209 are equipped with oscillating, height-adjustable jaws. The curved and swiveling jaws adapt to any installation situation. In addition, the adjustability of the spread and reach offers maximum flexibility when pulling.

Benefits

- Adjustable puller jaws for individual adjustment of the reach thanks to multiple drilling in the puller jaws.
- Oscillating jaws offer a variety of adjustment options
- Puller arms with different claw shapes for flexible working (depending on model size)
- Safe mounting of the spindle through a swiveling spindle tip on both smooth surfaces and during centering (does not apply to items 208-0 and 209-0)
- 3-jaw ensures an even distribution of force and allows for greater pulling forces (series 209)
- Hydraulic spindle guarantees an easy and controlled removal of particularly stuck parts with little effort (item number 208-2-B and 209-2-B)

ASSEMBLY OF A TAB PULLER USING EXAMPLE 208-0

FEATURES OF THE SERIES

SERIES 208

The 2-jaw puller "Economy" is suitable for pulling processes under restricted environmental conditions. The oscillating and height-adjustable jaws guarantee a precise adjustment of the spread and reach.

SERIES 208 (HYDRAULIC)

The 2-jaw puller "Economy" with hydraulic spindle guarantees easy pulling of particularly stubborn components without great effort. The 2-jaw design allows operation in confined spaces.

SERIES 209

The 3-jaw puller "Economy" guarantees a particularly even distribution of force, allowing for even higher pulling forces. The oscillating and height-adjustable puller jaws ensure precise adjustment of the spread and reach.

SERIES 209 (HYDRAULIC)

The 3-jaw puller "Economy" with hydraulic spindle ensures easy removal of particularly stubborn components without much effort. The 3-jaw design also provides even force distribution.

APPLICATION EXAMPLES

Removing a ball bearing from a shaft using the 208-01.

Removing a fan wheel with the 209-0.

Removing the handwheel from a shut-off valve with the 209-02.

Conversion for adjusting the reach depth and span using the example of the 208-01.

SERIES 208
2-JAW PULLER "ECONOMY" WITH OSCILLATING AND HEIGHT-ADJUSTABLE PULLER JAWS

208-01
208-02

208-0

208-2-B

The 2-jaw puller "Economy" with oscillating and height-adjustable jaws is used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. The oscillating and curved jaws adapt to any installation situation and are universally applicable due to the adjustable reach and spread.

Benefits

- Adjustable puller jaws for individual adaptation of the reach due to multiple drilling in the puller jaws.
- Oscillating puller jaws offer a variety of adjustment options.
- Safe installation of the spindle with a rotatable spindle tip on both smooth surfaces and during centering (Switch Technology)
- Anti-slip safety (spindle neck) at the spindle head for safe working with a wrench.

Technical attributes

#				SW		**Max. tensile force**	**Max. tractive force**	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
208-01	-432408	0 - 170 3/4 - 6 3/4	95 4 7/8	17 11/16	20 14.75	20	2 2.20	1 2,205
208-02	-432651	0 - 230 3/4 - 9 1/16	150 7 1/2	22 7/8	50 36.88	25	2.5 2.76	2,49 5,490
208-0	-432248	12 - 100 1 3/16 - 3 7/8	50 3 7/8	13 1/2	20 14.75	10	1 1.10	0,5 1,103
208-2-B	-432811	64 - 400 4 3/8 - 15 3/4	225 15 3/4	12 1/2	20 14.75	120	12 13.23	0 0,000

SERIES 209
3-JAW PULLER "ECONOMY" WITH OSCILLATING AND HEIGHT-ADJUSTABLE JAWS

The 3-jaw puller "Economy" with oscillating and height-adjustable jaws is used for pulling bearings, gears, and discs in all common sizes for craft, workshop, and industry. The oscillating and curved jaws adapt to any installation situation and are universally applicable due to the adjustability of the reach and spread. The 3-jaw design ensures an even load distribution, providing a particularly secure hold on the part being pulled.

209-01
209-02

209-0

209-2-B

Benefits

- Adjustable puller jaws for individual adjustment of the reach due to multiple drilling in the puller jaws
- Oscillating puller jaws offer a variety of adjustment options
- Secure setup of the spindle through a rotatable spindle tip both on smooth surfaces and during centering (Switch Technology)
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.

Technical attributes

#				SW		**Max. tensile force**	**Max. tractive force**	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
209-01	-432576	0 - 170 3/4 - 6 3/4	95 4 7/8	17 11/16	20 14.75	20	2 2.20	1,32 2,911
209-02	-432736	160 - 230 7 7/8 - 9 1/16	150 7 1/2	22 7/8	50 36.88	25	2.5 2.76	3,1 6,836
209-0	-432323	12 - 100 1 3/16 - 3 7/8	50 3 7/8	13 1/2	20 14.75	10	1 1.10	0,485 1,069
209-2-B	-432996	64 - 450 4 3/8 - 19 3/4	400 15 3/4		45 33.19	150	15 16.53	15,45 34,067

SERIES 201-S | 202-S

FAN WHEELS & SHIP SCREWS

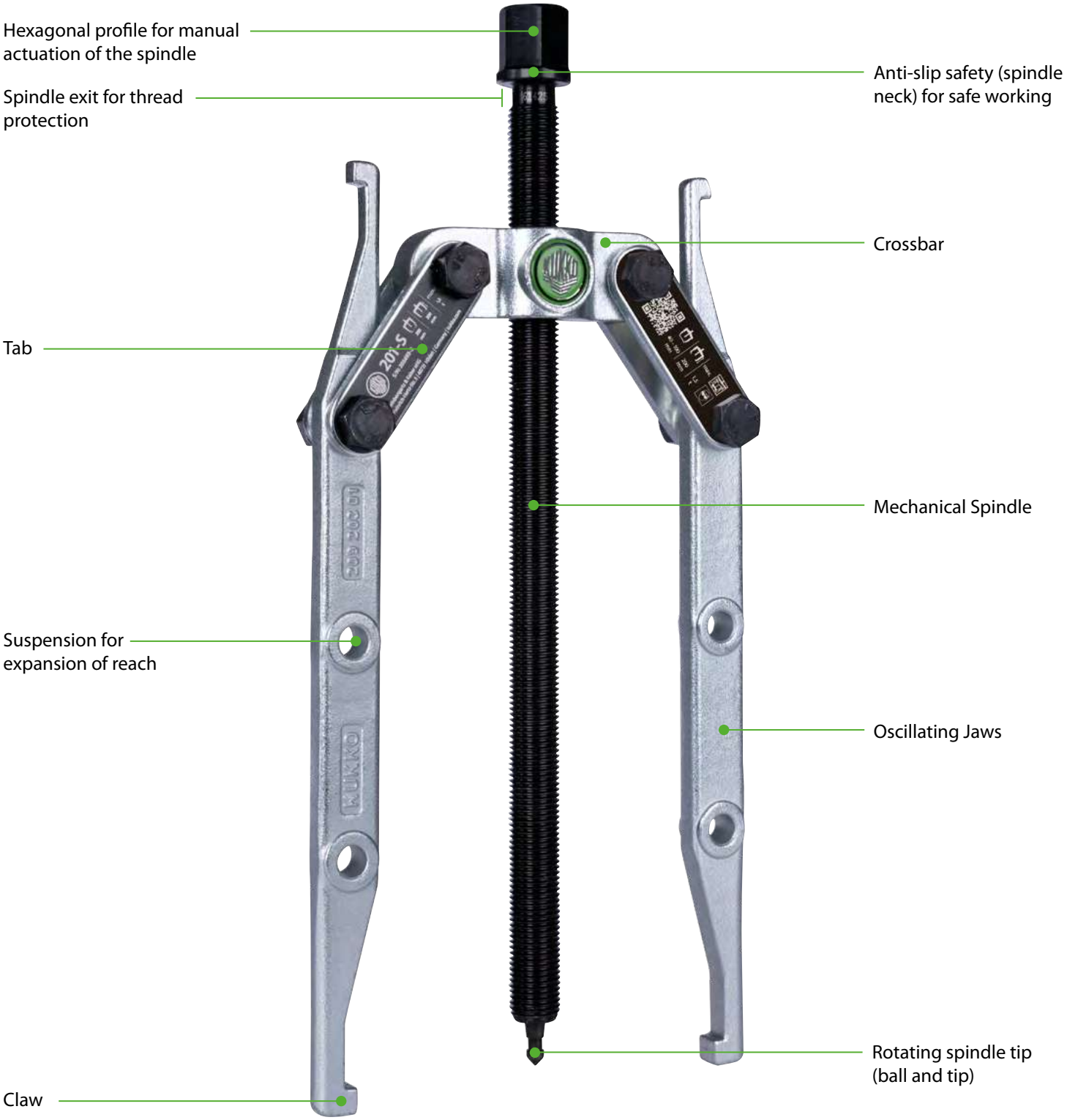
DEPLOYMENT

Thanks to the particularly slim design of the jaws, the tab puller is used for disassembling fan wheels. The swiveling legs adapt to any installation situation. Additionally, the jaws are rotatable by 180° and can be used on both sides, providing various claw sizes.

Benefits

- Adjustable puller jaws for individual adjustment of the reach thanks to multiple drilling in the puller jaws.
- Oscillating jaws offer a variety of adjustment options
- Jaws are rotatable by 180° and can be used on both sides.
- Jaws with different claw sizes for flexible working
- 3-jaw ensures an even distribution of force and enables greater pulling forces (series 202-S)

ASSEMBLY OF A PULLER USING THE EXAMPLE 201-S



FEATURES OF THE SERIES

SERIES 201-S

The 2-jaw puller for fan wheels is universally applicable even in tight spaces.

SERIES 202-S

The 3-jaw puller for fan wheels ensures an even distribution of force and thereby allows for even greater pulling forces.

APPLICATION EXAMPLES

The multi-drilling in the puller jaws guarantees an individual adjustment to the reach.

By rotating the jaws 180°, a different claw size can be pulled off.

SERIES 201-S
2-JAW PULLER FOR FAN WHEELS WITH OSCILLATING AND HEIGHT-ADJUSTABLE PULLER JAWS

The 2-jaw puller with oscillating and height-adjustable jaws is used for pulling fan wheels and propellers in all common sizes for crafts, workshops, and industry. Thanks to the particularly slim design, the jaws grip through the two slots and capture the flange of the fan. The oscillating jaws adapt to every installation situation and are universally applicable due to the adjustable reach. In addition, the jaws are 180° rotatable and can be used on both sides, allowing for different claw sizes depending on the space below the part to be pulled.

Benefits

- Adjustable puller jaws for individual adjustment of the reach due to multiple drilling in the puller jaws
- Oscillating puller jaws offer a variety of adjustment options.
- Jaws are rotatable by 180° and can be used on both sides.
- Puller jaws with varying claw sizes for flexible work

Technical attributes

#				SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
201-S	-026911	11 - 200 3/4 - 7 7/8	200 7 7/8	17 11/16	30 22.13	15	1.5 1.65	1,16 2,558

SERIES 202-S
3-JAW PULLER FOR FAN WHEELS WITH OSCILLATING AND HEIGHT-ADJUSTABLE PULLER JAWS

The 3-jaw puller with oscillating and adjustable-length jaws is used for removing fan wheels and ship screws in all common sizes for crafts, workshops, and industry. Thanks to the particularly slim design, the jaws grip through the two slots and engage the flange of the fan. The oscillating jaws adapt to any installation situation and can be universally used thanks to the adjustable gripping depth. Additionally, the jaws can be rotated 180° and used on both sides, allowing for different jaw sizes depending on the space below the part to be removed. The 3-jaw design ensures even load distribution and thus a particularly secure hold on the part to be removed.

Benefits

- Adjustable puller jaws for individual adjustment of the reach due to multiple drilling in the puller jaws
- Oscillating puller jaws offer a variety of adjustment options.
- The jaws are rotatable by 180° and can be used on both sides.
- Jaws with different claw sizes for flexible work

Technical attributes

#				SW		Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
202-S	-027581	11 - 200 3/4 - 7 7/8	200 7 7/8	17 11/16	35 25.82	20	2 2.20	1,74 3,837

SERIES 43 | 44 | 45

PULLER WITH FORCE-AMPLIFYING AND SELF-CENTERING JAWS

DEPLOYMENT

This product group includes both the handy small part pullers of series 43 and 43-1, as well as the particularly robust industrial pullers of series 44 and 45. The common feature of these pullers lies in the force-amplifying, self-centering jaws that are positioned by manually tightening the spindle.

Benefits

- Self-centering of the puller jaws by manual tightening of the spindle (Autogrip Technology)
- The slim design of the puller jaws allows access to hard-to-reach areas (series 43 and 43-1)
- Integrated, freely movable pen on the T-handle guarantees a manual spindle drive in the tightest spaces (series 43 and 43-1)
- Safe setup of the spindle through a rotatable spindle tip on both smooth surfaces and during centering (Switch Technology) (Series 44 and 45)
- 3-jaw design ensures an even distribution of forces and allows for greater pulling forces (series 43-1 and 45)

ASSEMBLY OF A PULLER USING EXAMPLE 45-1

Hexagonal profile for manual nactuation of the spindle

Anti-slip safety (spindle neck) for safe working

Spindle outlet for thread protection

crossbar

Mechanical Spindle

Force-amplifying, self-centering jaws

Claw with large supporting surface for particularly secure removal

Rotating spindle tip (ball and tip)

FEATURES OF THE SERIES

SERIES 43

The handy 2-jaw puller from series 43 is used for feelingly pulling small components. The slim design and the freely movable pin on the T-handle guarantee extraction in the tightest spaces.

SERIES 43-10

The compact, 3-jaw puller of series 43-1 features the same characteristics as series 43. Additionally, the 3-jaw design ensures a more even force distribution and greater pulling forces.

SERIES 44

The robust 2-jaw industrial pullers of series 44 are used for powerful extraction of larger components. As the spindle pressure builds up, the part to be pulled is increasingly enclosed by the interconnected puller jaws.

SERIES 45

The robust, 3-jaw industrial pullers of series 45 have the same functionality as series 44. The difference lies in the 3-jaw design, which achieves a more even distribution of force and greater pulling forces.

HYDRAULIC UPGRADE: SPINDLE REPLACEMENT FOR THE 45-8

With just a few adjustments, the mechanical spindle can be removed and replaced with a hydraulic spindle. This is demonstrated here using the example of the puller 45-8:

45-8 with mechanical spindle

Removing the mechanical spindle

Inserting the hydraulic spindle

45-8 with hydraulic spindle

APPLICATION EXAMPLES

Removing a pulley with the 45-8 using a mechanical spindle. The puller is connected to the URANUS for locking and holding.

Removing a pulley with the 45-8 with hydraulic spindle

Use of the 45-8 with a safety tarp

An additional tension belt secures the jaws

SERIES 43
HANDY, 2-JAW PULLER WITH FORCE-AMPLIFYING, SELF-CENTERING JAWS

The handy 2-jaw puller with force-amplifying and self-centering jaws is used for the sensitive removal of small bearings, gears, and discs in tight, hard-to-reach spaces. The compact and space-saving design of the puller, with narrow jaws that widen towards the claw, is particularly suitable for electric motors. The freely movable pin on the T-handle ensures comfortable one-handed tightening of the spindle in the tightest of spaces.

Benefits

- Self-centering of the jaws through manual tightening of the spindle (Autogrip Technology)
- Integrated, freely movable pen on the T-handle ensures manual spindle drive in tight spaces
- The slim design of the jaws allows access to hard-to-reach areas.
- No additional tool is needed for the pulling process.

Technical attributes

#				Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
43-1	-015458	0 - 60 3/8 - 2 3/4	50 2 3/4	10	1 1.10	0,22 0,485	24-A, K-142/4, 24-B, K-142/6, K-22-A
43-2	-015861	0 - 70 3/8 - 2 3/8	70 2	10	1 1.10	0,24 0,529	-
43-3	-015946	0 - 80 3/8 - 3 3/16	80 3 3/16	10	1 1.10	0,265 0,584	-

SERIES 43-10
HANDY, 3-JAW PULLER WITH FORCE-AMPLIFYING, SELF-CENTERING JAWS

The handy 3-jaw puller with force-amplifying and self-centering jaws is used for the sensitive extraction of small bearings, gears, and discs in tight, hard-to-access spaces. The compact and space-saving design of the puller, with narrow jaws that widen towards the claw, is particularly suitable for electric motors. The freely movable pin on the T-handle ensures comfortable, one-handed tightening of the spindle in the tightest spaces.

Benefits

- Self-centering of the jaws through manual tightening of the spindle (Autogrip Technology)
- Integrated, free-moving pen on the T-handle guarantees manual spindle drive in tight spaces
- The slim design of the jaws allows access to hard-to-reach places.
- No additional tool is required for the pulling process.

Technical attributes

#				Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb
43-11	-015526	0 - 60 3/8 - 2 3/8	50 2	15	1.5 1.65	0,275 0,606
43-12	-015601	0 - 70 3/8 - 2 3/4	70 2 3/4	15	1.5 1.65	0,35 0,772
43-13	-015786	0 - 80 3/8 - 3 3/16	80 3 3/16	15	1.5 1.65	0,335 0,739

SERIES 43-0
HANDY 2-JAW AND 3-JAW PULLER WITH FORCE-AMPLIFYING AND SELF-CENTERING PULLER JAWS

43-0-1 43-0-11

The handy 2-jaw and 3-jaw puller with force-amplifying and self-centering pulling jaws is used for feelingly removing small bearings, gears, and discs in tight, hard-to-reach spaces. The compact and space-saving design of the puller with narrow jaws that widen towards the claw is particularly suitable for electric motors. The freely movable pin on the T-handle ensures comfortable, one-handed tightening of the spindle in the tightest spaces.

Benefits

- Self-centering of the jaws through manual tightening of the spindle (Autogrip Technology)
- Integrated, freely movable pen on the T-handle ensures manual spindle drive in tight spaces

Technical attributes

#				Max. tensile force	Max. tractive force		Included in the set
	EAN	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
43-0-1	-023330	0 - 60 3/8 - 2 3/8	50 2	10	1 1.10	0,215 0,474	27-A
43-0-11	-023347	0 - 60 3/8 - 2 3/8	50 2	15	1.5 1.65	0,285 0,628	-

SERIES 44
HANDY 2-JAW INDUSTRIAL PULLER WITH FORCE-AMPLIFYING, SELF-CENTERING JAWS

44-1
44-2
44-3
44-4

44-5
44-6
44-7
44-8

The handy 2-jaw industrial puller with force-amplifying and self-centering jaws is used for pulling bearings, gears, and discs in all common sizes for craft, workshop, and industry. It allows for the removal of any component seated on a shaft and freely accessible from the outside. When the spindle pressure is built up, the part to be pulled is increasingly gripped tighter by the interconnected jaws.

Benefits

- Self-centering of the jaws through manual tightening of the spindle (Autogrip Technology)
- Safe setup of the spindle through a swiveling spindle tip on both smooth surfaces and during centering (Switch Technology)
- Anti-slip safety (spindle neck) at the spindle head for safe working with a wrench
- Spindle outlet to protect the thread

Technical attributes

#				SW			Max. tensile force	Max. tractive force		
	EAN	mm/inch	mm/inch	mm/inch		Nm/ft lb	kN	t/US t. sh.	kg/lb	
44-1	-016028	0 - 100 1/2 - 3 7/8	100 3 7/8	13 1/2	M12 x 1,5	50 36.88	30	3 3.31	0,525 1,158	-
44-2	-016103	0 - 120 3/4 - 4 3/4	120 4 3/4	17 11/16	M14 x 1,5	85 62.70	50	5 5.51	1 2,205	-
44-3	-016288	0 - 160 7/8 - 6 3/8	160 6 3/8	19 3/4	M18 x 1,5	140 103.26	60	6 6.61	1,9 4,190	-
44-4	-016363	0 - 250 7/8 - 9 7/8	200 7 7/8	24 15/16	G 5/8 inch	190 140.14	70	7 7.72	3,28 7,232	8-HP-623, K-8-HP-623
44-5 **NEW**	-815133	45 - 300 1 3/4 - 11 13/16	250 9 7/8	27 1 1/16	G 3/4 inch	200 147.52	95	9.5 10.47	5,2 11,466	8-HP-626, K-8-HP-626, 8-0-626
44-6 **NEW**	-815218	55 - 375 2 3/16 - 14 3/4	280 11	27 1 1/16	G 3/4 inch	200 147.52	95	9.5 10.47	5,32 11,731	8-HP-626, K-8-HP-626, 8-0-626
44-7 **NEW**	-007125	40 - 450 1 9/16 - 17 11/16	380 14 15/16	36 1 7/16	G 1 inch	400 295.04	120	12 13.23	11,86 26,151	8-HP-633, K-8-HP-633, 8-1-B, 8-1-F
44-8 **NEW**	-007132	100 - 650 3 15/16 - 25 9/16	500 19 11/16	36 1 7/16	G 1 inch	450 331.92	150	15 16.53	14,5 31,973	8-HP-633, K-8-HP-633, 8-1-B, 8-1-F

SERIES 45
HANDY, 3-JAW INDUSTRIAL PULLER WITH FORCE-AMPLIFYING, SELF-CENTERING PULLER JAWS

45-1
45-2
45-3
45-4

45-5
45-6
45-7
45-8

The compact 3-jaw industrial puller with force-amplifying and self-centering jaws is used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industry. It allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. When the spindle pressure is built up, the part to be pulled is increasingly gripped by the interconnected jaws. The 3-jaw design ensures an even load distribution, providing a particularly secure hold on the part to be removed.

Benefits

- Self-centering of the jaws through manual tightening of the spindle (Autogrip Technology)
- Safe positioning of the spindle through a rotatable spindle tip on both smooth surfaces and during centerings (Switch Technology)
- 3-jaw ensures an even force distribution and allows for greater pulling forces.
- Anti-slip safety (spindle neck) at the spindle head for safe working with a wrench.

Technical attributes

#	EAN	mm/inch	mm/inch	SW mm/inch		Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	
45-1	-016448	0 - 100 1/2 - 3 7/8	100 3 7/8	13 1/2	M12 x 1,5	50 36.88	40	4 4.41	0,665 1,466	-
45-2	-016516	0 - 120 3/4 - 4 3/4	120 4 3/4	17 11/16	M14 x 1,5	120 88.51	60	6 6.61	1,124 2,478	-
45-3	-016691	0 - 160 7/8 - 6 3/8	160 6 3/8	19 3/4	M18 x 1,5	180 132.77	80	8 8.82	2,45 5,402	-
45-4	-016776	0 - 250 7/8 - 9 7/8	200 7 7/8	24 15/16	G 5/8 inch	200 147.52	95	9.5 10.47	4,18 9,217	8-HP-623, K-8-HP-623
45-5 NEW	-815393	45 - 300 1 3/4 - 11 13/16	250 9 13/16	27 1 1/16	G 3/4 inch	200 147.52	95	9.5 10.47	6,51 14,355	8-HP-626, K-8-HP-626, 8-0-626
45-6 NEW	-815478	55 - 375 2 3/16 - 14 3/4	280 11 1/32	27 1 1/16	G 3/4 inch	200 147.52	95	9.5 10.47	6,95 15,325	8-HP-626, K-8-HP-626, 8-0-626
45-7 NEW	-821646	40 - 450 1 9/16 - 17 11/16	380 14 15/16	36 1 7/16	G 1 inch	400 295.04	120	12 13.23	15,75 34,729	8-HP-633, K-8-HP-633, 8-1-B, 8-1-F
45-8 NEW	-007149	100 - 650 3 15/16 - 25 9/16	500 19 11/16	36 1 7/16	G 1 inch	450 331.92	150	15 16.53	19,71 43,461	8-HP-633, K-8-HP-633, 8-1-B, 8-1-F

SERIES 482 | 483 | 48

HANDY PULLER WITH FORCE-AMPLIFYING, SELF-CENTERING, AND CLAMPING PULLER JAWS

DEPLOYMENT

The handy 2-jaw and 3-jaw pullers with force-amplifying, self-centering and tensioning puller jaws are used for pulling bearings, gears, and discs in tight and difficult-to-access spaces. The integrated force amplification with spring mechanism increases the clamping force in proportion to the pulling force. With the tightening of the spindle, the puller jaws are automatically centered.

Benefits

- Self-centering of the jaws through manual tightening of the spindle (Autogrip Technology)
- Integrated, freely movable pen on the T-handle guarantees manual spindle drive in tight spaces.
- The slim design of the jaws allows access to hard-to-reach places.
- The thread form allows for quick tightening of the spindle, as fewer rotations are required (series 482).
- The hexagon on the spindle is suitable for operation with powered tools (482-3 to 482-5, 483-3 to 483-5)

ASSEMBLY OF A PULLER USING THE EXAMPLE 482-3

FEATURES OF THE SERIES

SERIES 482

2-jaw puller with self-centering jaws

The handy, 2-jaw puller from the 482 series is used for disassembling hard-to-reach components.

SERIES 483

3-jaw puller with self-centering jaws

Thanks to the 3-jaw design, the pullers of series 483 provide a uniform distribution of force and thus enable even greater pulling forces.

SERIES 48

Single-handed puller

The handy, 2-jaw puller with self-centering jaws is used for removing battery terminals.

APPLICATION EXAMPLES

Positioning the puller jaws on the component to be disassembled

Dismantling of a ball bearing from a gear wheel

SERIES 482
HANDY, 2-JAW PULLER WITH FORCE-AMPLIFYING, SELF-CENTERING, CLAMPING PULLER JAWS

482-1 482-2 482-3 482-4 482-5

The handy 2-jaw puller with force-amplifying, self-centering, and gripping jaws is used for removing bearings, gears, and discs in tight and hard-to-reach spaces. It allows for the removal of any component that sits on a shaft and is freely accessible from the outside. The built-in force amplification with spring mechanism increases the clamping force proportionally to the pulling force. By tightening the spindle, the jaws are automatically centered. The freely moving pin on the T-handle ensures a comfortable, one-handed tightening of the spindle in confined spaces.

Benefits

- Self-centering of the jaws through manual tightening of the spindle (Autogrip Technology)
- An integrated, free-moving pen at the T-handle ensures manual spindle drive in the tightest spaces.
- The slim design of the jaws allows access to poorly accessible areas.
- The thread design allows for a quick tightening of the spindle, as fewer rotations are required.

Technical attributes

#	EAN	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
482-1	-479779	0 - 60 5/8 - 2 3/8	40 1 5/8	T-handle	0.00	15	1.5 1.65	0,235 0,518	K-482
482-2	-479854	4 - 85 3/4 - 3 3/8	90 4	T-handle	0.00	15	1.5 1.65	0,36 0,794	K-482
482-3	-479939	4 - 150 3/4 - 5 7/8	150 5 7/8	13 1/2	35 25.82	25	2.5 2.76	0,875 1,929	K-482
482-4	-480096	0 - 200 3/4 - 7 7/8	200 7 7/8	17 11/16	40 29.50	30	3 3.31	1,68 3,704	-
482-5	-480171	0 - 250 3/4 - 9 7/8	250 9 7/8	17 11/16	40 29.50	30	3 3.31	1,92 4,234	-

SERIES 483
HANDY 3-JAW PULLER WITH FORCE-AMPLIFYING, SELF-CENTERING, CLAMPING PULLER JAWS

483-2 483-3 483-4 483-5

The handy 3-jaw puller with force-amplifying, self-centering, and straining jaws is used for pulling bearings, gears, and discs from tight and hard-to-reach spaces. This allows you to loosen any component that sits on a shaft and is freely accessible from the outside. The integrated force amplification with spring mechanism increases the clamping force proportionally to the pulling force. Tightening the spindle automatically centers the jaws. The 3-jaw design guarantees even load distribution and thus ensures a particularly secure grip on the part being pulled.

Benefits

- Self-centering of the jaws through manual tightening of the spindle (Autogrip Technology)
- The slim design of the jaws enables access to difficult-to-reach areas.
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.
- Anti-slip safety (spindle neck) at the spindle head for safe working with a wrench.

Technical attributes

#	EAN	mm/inch	mm/inch	SW mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
483-2	-480331	4 - 85 3/4 - 3 3/8	90 4	T-handle	0.00	15	1.5 1.65	0,425 0,937
483-3	-480416	4 - 150 3/4 - 5 7/8	150 5 7/8	13 1/2	35 25.82	25	2.5 2.76	1,16 2,558
483-4	-480584	0 - 200 3/4 - 7 7/8	200 7 7/8	17 11/16	40 29.50	30	3 3.31	1,72 3,793
483-5	-480669	0 - 250 3/4 - 9 7/8	250 9 7/8	17 11/16	40 29.50	30	3 3.31	2,395 5,281

K-482
3-PIECE, HANDY PULLER (2-JAW) SET

The 3-piece, handy puller with force-amplifying, self-centering, and tensioning jaws in the set is used for 2-jaw extraction of bearings, gears, and discs in tight and hard-to-reach spaces. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. The integrated force amplification with spring mechanism increases the clamping force proportional to the extracting force. By tightening the spindle, the jaws are automatically centered. The freely movable T-handle on the spindle head ensures manual tightening of the spindle in confined spaces. The set includes three different sizes for use with varying spread and depths.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- The slim design of the jaws allows access to hard-to-reach areas.

Technical attributes

#	EAN	mm/inch	mm/inch	SW mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Components
K-482	-123245	0 - 150 0 - 5 7/8	0 - 150 0 - 5 7/8	13 1/2	25	2.5 2.76	2,44 5,380	482-1, 482-2, 482-3


KUKKO
482
OXREN

SERIES 844-B | 845-B

PULLER WITH FORCE-AMPLIFYING, SELF-CENTERING JAWS AND HYDRAULIC SPINDLE

DEPLOYMENT

The handy 2-jaw and 3-jaw pullers with force-amplifying, self-centering jaws and hydraulic spindle are used for pulling particularly stubborn bearings, gears, and discs in all common sizes for craft, workshop, and industry. When tightening the spindle, the jaws are automatically centered.

Benefits

- Self-centering of the puller jaws by manual tightening of the spindle (Autogrip Technology)
- Spindle extensions enable a quick adjustment to a wide variety of requirements
- The hydraulic spindle guarantees a light and controlled extraction of particularly stuck parts with low effort.
- The slim design of the jaws allows access to hard-to-reach places.

ASSEMBLY OF A PULLER USING THE EXAMPLE 844-3-B

Cross section of the hydraulic spindle 800