

BALL BEARING INSTALLATION AND REMOVAL

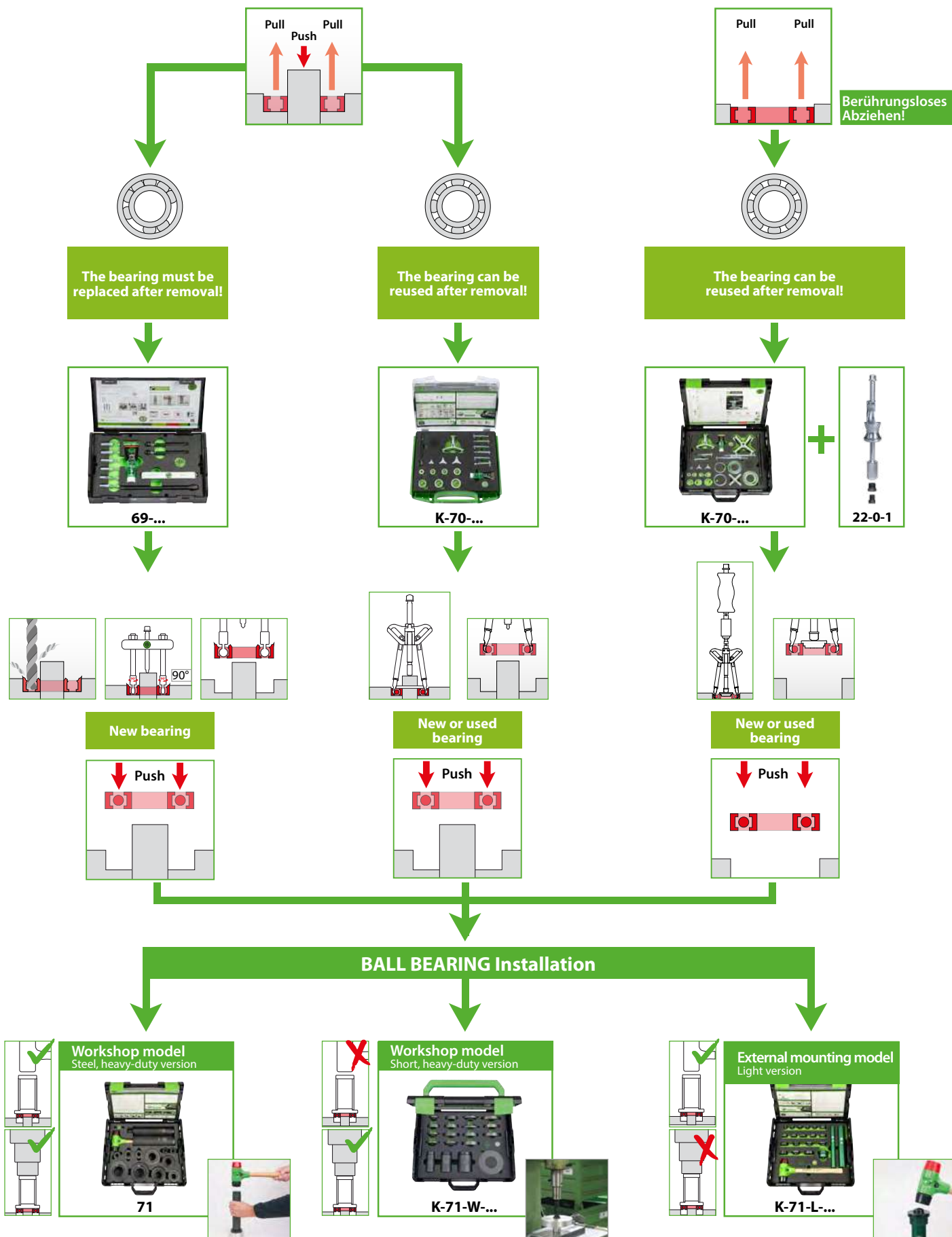


A

Ball bearings that sit in a housing and on a shaft at the same time.

B

The ball bearing is located in a housing, but does not have a shaft for support.



PULLPO BALL BEARING PULLER SETS K-70-A, K-70-B AND K-70-C



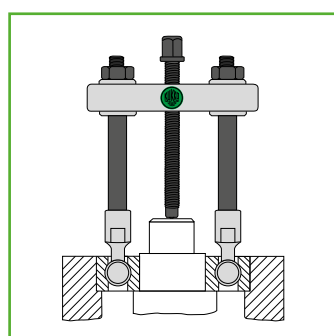
	Cross-beam and spindle				 							
	Art.No.	70-011 (3 pcs.) 70-012 (3 pcs.)	70-021 (4 pcs.) 70-022 (4 pcs.)	70-01-R AA - GG	70-02-R B - G	700117 S M L	700217 S M L XL					
6000	 70-01	70-011 small		-		 S		K-70-A				
6001												
6002												
6003												
6004		70-012 wide		DD		 M						
6005												
6006												
6200												
6201		70-011 small		-		 S						
6202												
6203												
6204												
6205		70-012 wide		BB		 M						
6300												
6301												
6302												
6303	70-011 small		CC		 M							
6304												
6403							70-012 wide		DD		 L	
6404												
6305												
6405												
6206	 70-02	70-022 wide		GG		 S		K-70-C				
6306				B								
6406				GG								
6007				B								
6207		70-021 small		GG		 M						
6307				B								
6407				D								
6008				-								
6208		70-022 wide		GG		 S						
6308				B								
6408				D								
6009				-								
6209		70-021 small		GG		 M						
6309				B								
6010	D											
6210	-											
6310	70-022 wide		GG		 M							
6011			B									
6211			D									
6311			-									
6012	70-021 small		GG		 L							
6212			B									
6013			D									
6014			-									
6015	70-022 wide		GG		 XL							
6016			B									
6017			D									
6018			-									
6019	70-021 small		GG		 L							
6020			B									
	70-022 wide		-		 XL							
								K-70-B				
								K-70-C				
								K-70-B				
								K-70-C				
								K-70-B				
								K-70-C				
								K-70-B				
								K-70-C				
								K-70-B				
								K-70-C				
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								K-70-C				
								K-70-B				
								K-70-C				

* Counter-pressure pad for slide hammer application Art.No. 22-0-1 and adapter GA1415-12, slide hammer and adapter are not included.

UNIVERSAL BALL BEARING PULLER SETS 69-A, 69-B AND 69-C



Art.No. Set	Art.No. Adapter	Ball bearing size ISO				
						
 69-A	69-A1	6004 - 6008	6201 - 6203	-	-	69-A
	69-A2	6005 - 6010	6202 - 6205	6300 - 6302	6300 - 6302	
	69-A3	6009 - 6013	6206	6303 - 6305	-	
 69-B	69-B4	6011-6015	6206-6210	6305-6306	-	69-B
	69-B5	6016 - 6020	6207 - 6211	6307	6403	
	69-B6	6016-6020	6212	6308-6309	6404-6407	
 69-C	69-C7	6021-6024	6213-6216	6310-6311	6406-6408	69-C
	69-C8	6026 - 6030	6217 - 6218	6310-6312	6407-6409	
	69-C9	6032	6219-6220	6313-6314	6410	
	69-C10	-	6221	6315	6411	
	69-C11	-	6222-6230	6316-6318	6412-6413	
	69-C12	-	-	6319-6321	6414-6417	

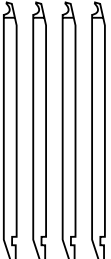
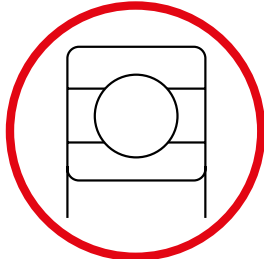


BALL BEARING PULLER SETS 70-A, 70-B AND 70-K



The crossbars and hooks in sets **70-A**, **70-B** and **70-K** can be easily assigned using the following labelling:



 Traverse Art.No.	 Hook Art.No.	 Bearing Size (* = Spacer Ring needed)			
70-1 	70-711	6000; 6001; 6002; 6003	6200		
	70-712**	*6004; *6005; *6006	6201; *6202; *6203	*6300	
	70-713**		*6204; *6205	*6301; *6302; *6303	
70-2 	70-721**	6007; 6008; 6009; 6010; *6013			
	70-722**	6011 6012	*6206 *6207	*6304; *6305; *6306	
70-3 	70-731**		*6208; *6209; *6210	*6307	*6403 *6407
	70-732**		6211 *6212	*6308; *6309; *6310; *6311	*6404; *6405; *6406; *6408
70-4 	70-4730**	*6014 *6015 *6016 *6017			
	70-4731**	*6018 6019 *6020	*6213 *6214 *6215		
	70-4733**		*6216 *6217 *6218 *6219 *6220 *6221 *6222	*6312 *6313 *6314 *6315 *6316 *6317	*6410 *6411 *6412 *6413 *6414 *6415
	70-4734	6021			6409

70-K

70-A

70-B

**Additional support rings are supplied with these sets. These bridge different distances between the bearing rings and thus increase the possible uses of the individual sets.

For bearings marked with an *, the support ring provided with the relevant bearing nut is placed on the inner ring of the bearing beforehand.

BALL BEARING INSTALLATION WITH SERIES 71

The bearing installation tool set made of steel as a lightweight external mounting model of series 71 is used for the quick, precise, and safe installation of bearings and seals in craft, industry, and workshops. The tool set allows for a damage-free installation of bearings without damaging shafts, bearing housings, or seal rings.

Benefits

- The required combination of impact ring and impact sleeve can be found in the table in the lid of the case.
- The impact ring and impact tube gently transmit the installation forces through the frame of the bearing.
- The included SELECTHOR hammer can be flexibly used by swapping the included striking heads.



SETS

The puller and separator devices are also available in practical case sets. Application-specific and industry-oriented, the sets impress with their universal use.



APPLICATION EXAMPLES



Ball bearing disassembly with the 69-A



Ball bearing disassembly with the 70-K



Bearing installation with the 71-L

PRODUCT DETAILS



69-A
10-PIECE BALL BEARING PULLER SET
"UNIVERSAL"



The 10-piece ball bearing puller set 69-A is used for pulling ball bearings of all types that are seated in a housing and/or on a shaft, in craft, industry, and workshops. Although the affected ball bearing cannot be reused in this process, the application ensures safety and the integrity of the corresponding housing or shaft while also requiring minimal effort. The series 69 impresses with its versatility; depending on the required bearing ball diameter, three different sets are available that allow for ideal and tailored use.

Benefits

- Versatile application without damaging the spindle
- Application-oriented compilation for universal use

Technical attributes

#							
	EAN	mm/inch	mm/inch	mm/inch	mm/inch		kg/lb
69-A	-781391	20 - 110 13/16 - 4 5/16	100 3 15/16	12 1/2	5,3, 5,8, 8 3/16;3/16;5/16	6004, 6005, 6006, 6007, 6008, 6009, 6010, 6011, 6012, 6013, 6201, 6202, 6203, 6204, 6205, 6206, 6300, 6301, 6302, 6303, 6304, 6305	1,85 4,079

69-B
12-PIECE BALL BEARING PULLER SET
"UNIVERSAL"



The 12-piece ball bearing puller set 69-B is used for removing ball bearings of all types that sit in a housing and/or on a shaft, in craftsmanship, industry, and workshops. Although the affected ball bearing cannot be reused in this process, the application ensures safety and integrity of the corresponding housing or shaft, with minimal effort. The series 69 impresses with its versatility; depending on the required ball diameter, three different sets are available, allowing for ideal and tailored usage.

Benefits

- Versatile application without damaging the spindle
- Application-oriented compilation for universal use

Technical attributes

#							
	EAN	mm/inch	mm/inch	mm/inch	mm/inch		kg/lb
69-B	-781476	40 - 140 1 9/16 - 5 1/2	200 7 7/8	17 11/16	8, 9, 11, 12,5 5/16;3/8;7/16;1/2	6011, 6012, 6013, 6014, 6015, 6016, 6017, 6018, 6019, 6020, 6206, 6207, 6208, 6209, 6210, 6211,6212, 6305, 6306, 6307, 6308, 6309, 6403, 6404, 6405, 6406, 6407	1,755 3,870

PRODUCT DETAILS

69-C 16-PIECE BALL BEARING PULLER SET "UNIVERSAL"



The 16-piece ball bearing puller set 69-C is used for extracting ball bearings of all types that are mounted in a casing and/or on a shaft, in crafts, industry, and workshops. Although the affected ball bearing cannot be reused during this process, the application ensures safety and the integrity of the associated casing or shaft while requiring minimal work effort. The 69 series impresses with its variability; depending on the required ball bearing diameter, three different sets are available, allowing for ideal and customized use.

Benefits

- Versatile application without damaging the spindle
- Application-oriented compilation for universal use

Technical attributes

#							
	EAN	mm/inch	mm/inch	mm/inch	mm/inch		kg/lb
69-C	-781544	60 - 240 2 3/8 - 9 7/16	500 19 11/16	22 7/8	16, 19, 22, 25, 28, 32 5/8; 3/4; 7/8; 1; 1 1/8; 1 1/4	6021, 6022, 6024, 6026, 6028, 6030, 6032, 6213, 6214, 6215, 6216, 6217, 6218, 6219, 6220, 6221, 6222, 6224, 6226, 6228, 6230, 6310, 6311, 6312, 6313, 6314, 6315, 6316, 6317, 6318, 6319, 6320, 6321, 6406, 6407, 6408, 6409, 6410, 6411, 6412	11 24,255

SERIES 70 BALL BEARING PULLER, WITHOUT HOOKS



The ball bearing pullers of series 70 are used for non-destructive removal of deep groove ball bearings without disassembling the shaft in crafts, industry, and workshops. With these pullers, bearings that are seated simultaneously in a housing and on a shaft can be removed easily and quickly, and can be reused if they are not already damaged. The series 70 impresses with its specifically developed arms for precise installation in the bearing raceways. Various arm sets are available for each puller size.

Benefits

- Suitable for a variety of groove diameters through infinitely adjustable hooks and internationally applicable.
- Self-damaged bearings can be grasped by the adjustable hooks.
- The claw shape ensures a secure grip, allowing for high pulling forces to be developed.
- The puller is also suitable for removing sealed bearings from housing bores.

Technical attributes

#					Included in the set
	EAN	mm/inch	kg/lb		
70-1	-021138	17 11/16	0,38 0,838	70-711, 70-712, 70-713	KS-70-A-K
70-2	-021213	17 11/16	0,67 1,477	70-721, 70-722	KS-70-A-K
70-3	-021398	24 15/16	1,38 3,043	70-731, 70-732	-
70-4	-316418	22 7/8	2,315 5,105	70-4730, 70-4731, 70-4733, 70-4734	-

PRODUCT DETAILS



SERIES 70-4S PULLING ARM SET



The pulling arm sets of series 70-S are suitable for bearing pullers of series 70 and are used for non-destructive removal of deep groove ball bearings without dismantling the shaft. In addition to the arms, the sets also include anti-slip safety rings as spare parts.

Technical attributes

#					
	EAN	mm/inch		kg/lb	
70-711	-021473	150 5 7/8	6000, 6001, 6002, 6003, 6200	0,3 0,662	70-1
70-712	-021541	150 5 7/8	6004, 6005, 6006, 6201, 6202, 6203, 6300	0,29 0,639	70-1
70-713	-021626	170 6 11/16	6204, 6205, 6301, 6302, 6303	0,32 0,706	70-1
70-721	-021701	180 7 1/16	6007, 6008, 6009, 6010, 6011, 6012, 6013	1,75 3,859	70-2
70-722	-021886	180 7 1/16	6011, 6012, 6206, 6207, 6304, 6005, 6306	0,58 1,279	70-2
70-731	-021961	217 8 9/16	6208, 6209, 6210, 6307, 6403, 6407	1,16 2,558	70-3
70-732	-022043	217 8 9/16	6211, 6212, 6308, 6309, 6310, 6311, 6404, 6405, 6406, 6407, 6408	1,915 4,223	70-3
70-4730	-320453	217 8 9/16	6014, 6015, 6016, 6017	1,265 2,789	70-4
70-4731	-320521	217 8 9/16	6018, 6019, 6020, 6213	2,22 4,895	70-4
70-4733	-320781	290 11 7/16	6216, 6217, 6218, 6219, 6220, 6221, 6222, 6312, 6313, 6314, 6315, 6316, 6317, 6410, 6411, 6412	8,78 19,360	70-4
70-4734	-320606	290 11 7/16	6021, 6409	1,36 2,999	70-4

70-K 37-PIECE BALL BEARING PULLER SET FOR DEEP GROOVE BALL BEARINGS



The 37-piece ball bearing puller set 70-K is used for non-destructive extraction of deep groove ball bearings without disassembling the shaft in crafts, industry, and workshop. With these pullers, bearings that are simultaneously mounted in a housing and on a shaft can be easily and quickly removed and can be reused, provided they are not already damaged. The series 70 impresses with its specially developed extraction arms designed for precise installation into the bearing tracks, enabling the secure removal of small to large bearings.

Benefits

- By storing it in the box, the completeness of the set can be easily overviewed
- Quick and secure selection by labeling the storage adapters
- In the sentence, in addition to the pullers, there are also the corresponding puller sets and extractor rings, ensuring optimal application at all times

Technical attributes

#							Components
	EAN	mm/inch		mm/inch	mm/inch	kg/lb	
70-K	-786754	150 - 180 5 7/8 - 7 1/16	6000-6013, 6200-6207, 6300-6306	10 - 65 3/8-2 9/16	26 - 100 1 1/32-3 15/16	6,165 13,594	70-1, 70-711, 70-712, 70-713, 70-2, 70-721, 70-722



70-A
59-PIECE BALL BEARING PULLER SET
FOR DEEP GROOVE BALL BEARINGS



The 70-A 8883-piece ball bearing puller set is used for non-destructive removal of deep groove ball bearings without disassembly of the shaft in crafts, industry, and workshop. With these pullers, bearings that are simultaneously seated in a housing and on a shaft can be easily and quickly removed and, if not already damaged beforehand, can be reused. The series 70 impresses with its specially developed arms for precise installation in the bearing raceways, enabling safe removal of small to large bearings.

Benefits

- By storing it in the box, the completeness of the set can be easily overviewed.
- Quick and secure selection by labeling the storage adapters
- In the sentence, in addition to the pullers, there are also the corresponding puller sets and extractor rings, ensuring optimal application at all times.

Technical attributes

#							Components
	EAN	mm/inch		mm/inch	mm/inch	kg/lb	
70-A	-022128	150 - 217 5 7/8 - 8 9/16	6000-6013, 6200-6212, 6300-6311, 6403-6408	10 - 60 3/8-2 3/8	26 - 120 1 1/32-4 3/4	10,025 22,105	70-1, 70-711, 70-712, 70-713, 70-2, 70-721, 70- 722, 70-3, 70-731, 70-732

70-B
47-PIECE BALL BEARING PULLER SET
FOR DEEP GROOVE BALL BEARINGS



The 47-piece ball bearing puller set 70-B is used for non-destructive removal of deep groove ball bearings without dismantling the shaft in craft, industry, and workshop. With these pullers, bearings that are simultaneously seated in a housing and on a shaft can be removed easily and quickly, and can be reused if they are not already damaged. The series 70 impresses with its specially designed arms for precise installation into the bearing raceways, which enable the safe removal of small to large bearings.

Benefits

- By storing it in the box, the completeness of the set can be easily overviewed.
- Quick and secure selection by labeling the storage adapters
- In the sentence, in addition to the pullers, there are also the corresponding puller sets and extractor rings, ensuring optimal application at all times

Technical attributes

#							Components
	EAN	mm/inch		mm/inch	mm/inch	kg/lb	
70-B	-320866	217 - 290 8 9/16 - 11 7/16	6014-6021, 6213-6222, 6312-6317, 6409-6415	45 - 110 1 3/4-4 5/16	110 - 200 4 5/16-7 7/8	19,44 42,865	70-4, 70-4730, 70-4731, 70-4733, 70-4734

PRODUCT DETAILS



SERIES 70-0 BALL BEARING PULLER "PULLPO"



The „PULLPO“ ball bearing puller from the series 70 is used for completely non-destructive extraction of deep groove ball bearings without removing the shaft in crafts, industry, and workshops. Even without the possibility of support, the PULLPO can safely extract otherwise inaccessible bearings and thus ensure the reuse of the affected parts. The PULLPO impresses not only with its innovative design but also with its simple application, and the specially developed extractor arms enable a reliable grip during the extraction process and greater removal forces.

Benefits

- The special crossbar design allows for safe, easy hanging and the lever-amplified self-tensioning of the arms (PULLPO Technology)
- Through the collar on the spindle neck, the torque wrench cannot slip during application, allowing for a mark-free removal.
- Four magnets for easy holding of the counter pressure ring

Technical attributes

#	 EAN	 mm/inch	 kg/lb	Included in the set	
70-01	-908972	13 1/2	0,4 0,882	K-70-A, K-70-C, K-70-A-C	70-011, 70-012, 70-011-S, 70-012-S
70-02	-909580	17 11/16	1,3 2,867	K-70-B, K-70-C, K-70-B-C	70-021, 70-022, 70-021-S, 70-022-S

SERIES 70-0-S PULLING ARM SET



The pulling arm sets of the 70-0-S series are suitable for ball bearing pullers of the 70-0 series and are used for non-destructive removal of deep groove ball bearings without disassembling the shaft. In addition to the arms, the sets also include stop rings as spare parts.

Technical attributes

#	 EAN	 mm/inch		 kg/lb	
70-011-S	-181306	70 2 3/4	6000, 6001, 6002, 6003, 6004, 6200, 6201, 6202, 6301	0,125 0,276	70-01
70-012-S	-181313	70 2 3/4	6005, 6006, 6203, 6204, 6205, 6300, 6302, 6303, 6304	0,175 0,386	70-01
70-021-S	-181344	156 6 1/8	6007, 6008, 6009, 6010, 6011, 6012, 6013, 6206, 6210, 6211, 6306, 6307	0,935 2,062	70-02
70-022-S	-181368	156 6 1/8	6014, 6015, 6016, 6017, 6018, 6019, 6020, 6207, 6208, 6209, 6212, 6305, 6308, 6309, 6310, 6311, 6403, 6404, 6405, 6406, 6407, 6408	1,16 2,558	70-02



K-70-A
18-PIECE BALL BEARING PULLER SET
"PULLPO"



The 18-piece ball bearing puller set "PULLPO" K-70-A is used for completely non-destructive pulling of deep groove ball bearings without removing the shaft in trades, industry, and workshops. Even without the possibility of support, the PULLPO can securely pull otherwise unreachable bearings, thereby ensuring the reuse of the affected parts. The PULLPO not only impresses with its innovative design but also with its easy application, and the specially developed puller arms allow for reliable grip during the pulling process and higher extraction forces. The set includes not only the PULLPO but also matching hooks and rings for appropriate application.

Benefits

- By storing it in the box, the completeness of the set can be easily overviewed.
- The special crossbar design enables secure and easy suspension and the lever-amplifying self-tensioning of the arms (PULLPO Technology)
- Through the collar at the spindle neck, the torque wrench cannot slip during use, allowing for a seamless removal.

Technical attributes

#							Components
	EAN	mm/inch		mm/inch	mm/inch	kg/lb	
K-70-A	-058851	70 2 3/4	6000-6006, 6200-6205, 6300-6304	10 - 30 3/8-1 3/16	26 - 52 1 1/32-2 1/16	1,91 4,212	70-01-T, 70-01-T, 70-011, 70-012, 610120, 70-01-R, 700117

K-70-B
21-PIECE BALL BEARING PULLER SET
"PULLPO"



The 21-piece ball bearing puller set "PULLPO" K-70-B is used for completely non-destructive removal of deep groove ball bearings without disassembly of the shaft in crafts, industry, and workshop. Even without the possibility of support, the PULLPO can securely pull otherwise inaccessible bearings and thus ensure the reuse of the affected parts. The PULLPO convinces not only through its innovative design but also through its easy application, and the specially developed puller arms enable a reliable grip during the pulling process and higher extraction forces. The set includes suitable arms and rings for appropriate application, alongside the PULLPO.

Benefits

- By storing it in the box, the completeness of the set can be easily overviewed.
- The special crossbar design enables secure and easy suspension and the lever-amplifying self-tensioning of the arms (PULLPO Technology)
- Through the collar at the spindle neck, the torque wrench cannot slip during use, allowing for a seamless removal.

Technical attributes

#							Components
	EAN	mm/inch		mm/inch	mm/inch	kg/lb	
K-70-B	-058868	156 6 1/8	6007-6020, 6206-6212, 6305-6311, 6403-6408	17 - 100 1 1/16-3 15/16	62 - 150 2 7/16-5 7/8	4,365 9,625	70-02-T, 70-021, 70-022, 614242, 70-02-R, 700217, 70-021-S

PRODUCT DETAILS



K-70-C 38-PIECE BALL BEARING PULLER SET "PULLPO"



The 38-piece ball bearing puller set "PULLPO" K-70-C is used for completely non-destructive removal of deep groove ball bearings without disassembly of the shaft in crafts, industry, and workshops. Even without the possibility of support, the PULLPO can safely remove otherwise inaccessible bearings and thus ensure the reuse of the affected parts. The PULLPO convinces not only with its innovative design but also with its ease of use, and the specially developed puller arms enable a reliable hold during the removal process and higher removal forces. The set includes not only the PULLPO but also suitable arms and rings for appropriate application.

Benefits

- By storing it in the box, the completeness of the set can be easily overviewed.
- The special crossbar design enables secure and easy suspension and the lever-amplifying self-tensioning of the arms (PULLPO Technology).
- Through the collar at the spindle neck, the torque wrench cannot slip during use, allowing for a seamless removal.

Technical attributes

#							Components
	EAN	mm/inch		mm/inch	mm/inch	kg/lb	
K-70-C	-019999	70 - 156 2 3/4 - 6 1/8	6000-6020, 6200-6212, 6300-6311, 6403-6408	10 - 100 3/8-3 15/16	26 - 150 1 1/32-5 7/8	7,125 15,711	70-01-T, 70-02-T, 70-011, 70-012, 70-021, 70-022, 610120, 614242, 70-01-R, 70-02-R, 700117, 700217, 70-021-S

KS-70-A-K 60-PIECE BEARING PULLER SET



The 60-piece ball bearing puller set KS-70-A-K is used for non-destructive removal of deep groove ball bearings without disassembly of the shaft in craft, industry, and workshops. With these pullers, bearings that are simultaneously seated in a housing and on a shaft can be easily and quickly removed and may be reused if they are not already damaged. The series 70 impresses with its specially designed puller arms for precise installation into the bearing raceways, which, depending on the selected set, enable secure removal of small to large bearings. The sets thus allow for a wide range of applications across various groove diameters.

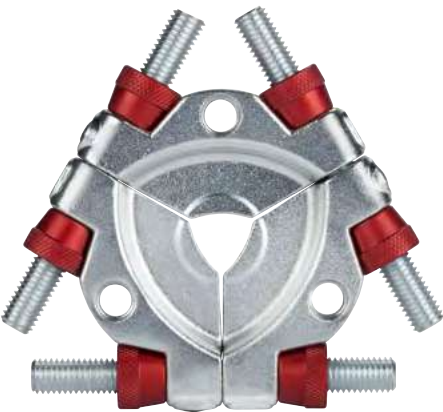
Benefits

- By storing it in the box, the completeness of the set can be easily overviewed.
- Quick and secure selection by labeling the storage adapters
- In the sentence, in addition to the pullers, there are also the corresponding puller sets and extractor rings, ensuring optimal application at all times.

Technical attributes

#							Components
	EAN	mm/inch		mm/inch	mm/inch	kg/lb	
KS-70-A-K	-956362	156 - 233 6 1/8 - 9 3/16	6000-6013, 6200-6212, 6300-6311, 6403-6408	10 - 100 3/8-3 15/16	26 - 150 1 1/32-5 7/8	9,875 21,774	70-A-K-36, 70-1, 70-2

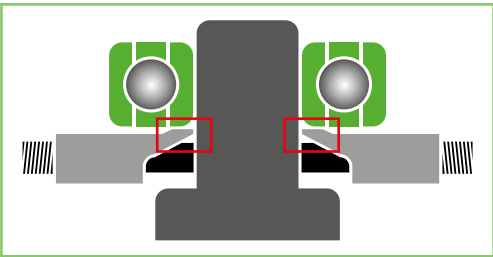
SERIES 13
TRI-PULL WITH 3 SEGMENTS



The three-part puller TRI-PULL of series 13 is used for gentle pulling of pendulum and angular roller bearings in drive engineering. The segments are applied behind the bearing on the inner ring, thereby ensuring an even force transmission across the entire bearing.

Benefits

- The force-amplifying design of the separator sections on the inner ring protects the bearing from damage during extraction.
- The even distribution of force around the inner ring circumference prevents tilting or misalignment of the bearing ring during removal.
- The sharp edges enable peeling where other peeling methods are not applicable.
- By screwing together the separating and pulling device, the highest stability during pulling is ensured.



The lip of the puller device TRI-PULL (series 13) only rests on the bearing inner ring in order to minimise stress on the bearing as little as possible

Technical attributes

#	 EAN	 mm/inch	 nominal dimension	 mm mm/inch	 mm mm/inch	 mm mm/inch	 mm mm/inch	 kg/lb	
13-1	-041228	12 - 50 1/2 - 1 15/16	M10	34 1 5/16	4 3/16	9 3/8	13,5 9/16	0,6 1,323	68-1
13-2	-169724	25 - 100 1 - 3 15/16	M14x1,5	63 2 1/2	5,7 1/4	16 5/8	28 1 1/8	3,61 7,960	68-2
13-3	-041235	50 - 160 1 15/16 - 6 5/16	M18x1,5	87 3 7/16	7 1/4	18 11/16	35 1 3/8	7,325 16,152	68-3



The three-part TRI-PULL 13-2 separating device when removing a seized ball bearing

PRODUCT DETAILS

SERIES 222

SEAL RING DISASSEMBLY TOOLS

The seal ring removal tools of series 222 are used for extracting radial shaft seals, axial shaft seals, sealing sleeves, and other bearing seals in crafts, industry, and workshops. Depending on the available space, the pulling process can be carried out either with the extractor lever 222-U or the sliding hammer device with handle 222-S.

Benefits

- The Slide hammers with 2-component Powergrip ensure safe and comfortable working
- The ejector lever can be used universally in situations where the necessary space is available



Technical attributes

#							Included in the set
	EAN	mm/inch	mm/inch	mm/inch	kg	kg/lb	
222-U	-777790	300 11 13/16			-	0,565 1,246	-
222-S	-018497	650 25 9/16	400 15 3/4	240 9 7/16	0.5	1,265 2,789	K-222-1/7
222-1	-035722	430 16 15/16	400 15 3/4	240 9 7/16	0.5	0,82 1,808	-



Removing a seal ring with the 222-U

K-222-1/7
7-PIECE SEAL RING PULLER SET
(SIMMERRINGE®) IN CASE



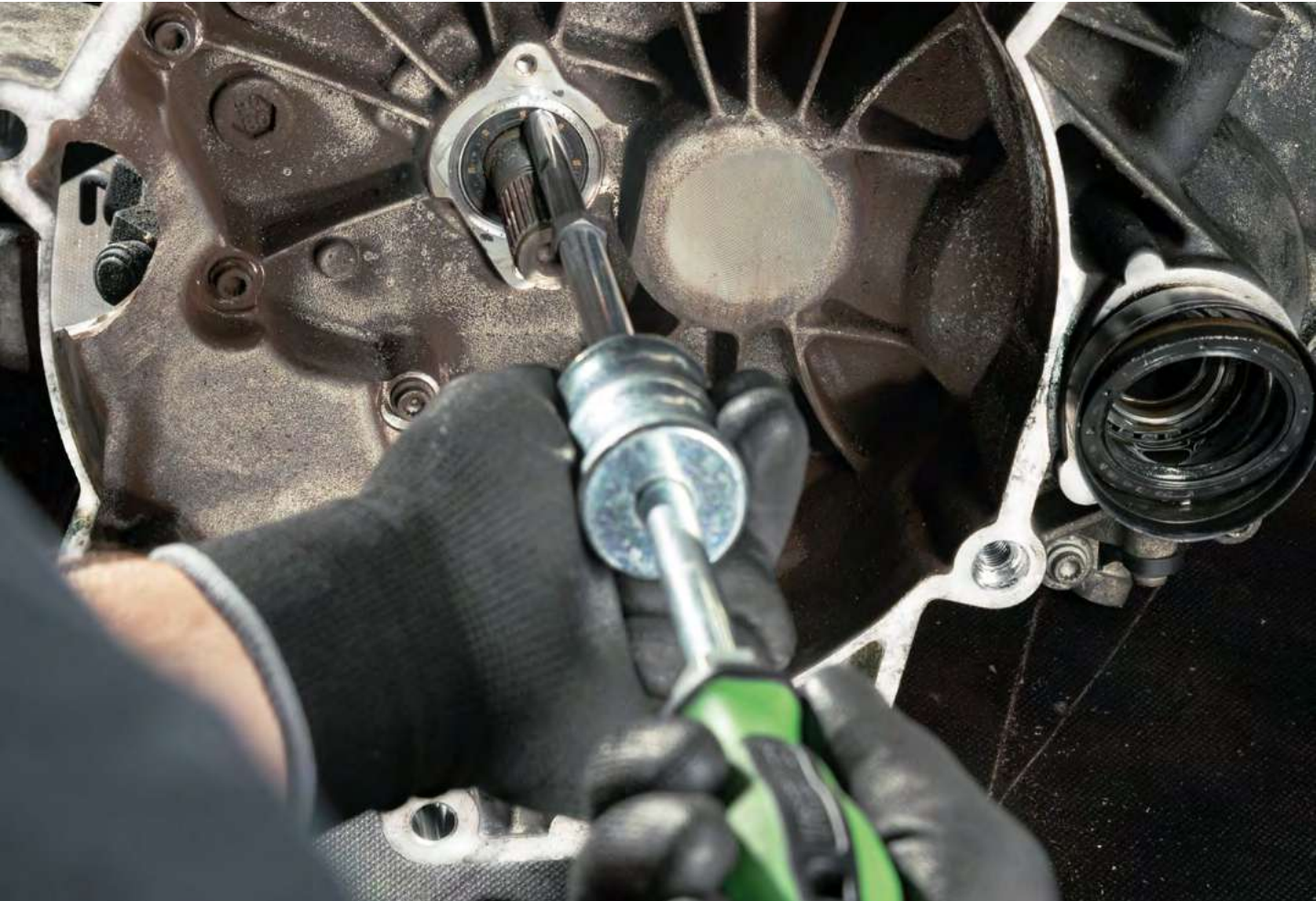
The 7-piece seal ring removal set of the series K-222 is used for removing Simmerringe®, radial shaft seals, sealing sleeves, gaskets, bearing seals, and shaft seals in crafts, industry, and workshops. This set includes not only disassembly tools, a pick, and a special screw set but also various extensions and handles, ensuring optimal removal work. The K-222 series impresses with its variety of applications and universality for use in different sectors and problem situations.

Benefits

- Depending on the available space, suitable tools with sliding hammer are also available in the set.
- The two-component handle allows for safe and careful work.

Technical attributes

#							Components
	EAN	mm/inch	mm/inch	mm/inch	kg	kg/lb	
K-222-1/7	-222757	300 11 13/16	400 15 3/4	240 9 7/16	0.5	2,895 6,383	222-1, 222-U, 222-S, 222-1-100, 222-1-250, 222-1-50S, 222-E, 222-P



Removing a radial shaft seal with the 222-1



MULTI-TRAVERSE WITH POWER NUT

The new Multi-Traverse of the series 68 offers space for up to four foot bolts. This guarantees a larger contact area and consequently a more uniform distribution of forces.

Three small magnets are attached underneath the traverse, which are used to align and fix the power groove.

The Power Nut by KUKKO guarantees a more energy-saving clamping of tools and workpieces as well as drive without significant friction loss.

INCREASED TENSION FORCE



The Power Nut is located above the crossbar. By turning the Power Nut, the spindle is pulled upwards with increased force until the cylinder socket is drawn out.

INCREASED PRESSURE FORCE



The Power Nut is located below the crossbar. By operating the hexagon, the spindle is pressed down. In the process, the Power Nut amplifies the applied force multiple times.

PRODUCT DETAILS

SERIES 68 2-ARM PULLER DEVICE



The combination puller devices of series 68 with Power Nut are combinable with separation devices of series 13, internal extractors of series 21, ball bearing puller sets of series 69, and other parts (e.g. hooks or oil hooks). Due to the different positioning options of the Power Nut, the devices are suitable for both pushing and pulling of components in craft, industry, and workshop. The multi-crossbar offers space for two, three, or four foot bolts depending on the application. This ensures a larger support area and thus a more uniform distribution of force. Below the crossbar, three small magnets are attached, which are used to align and fix the Power Nut. The puller devices 18-00 and 18-0 do not include a Power Nut.

Benefits

- By screwing the separator and puller device, the highest stability when pulling is ensured.
- The foot bolts ensure a particularly firm standing when pulling off.
- Multi-Traverse with scale as adjustment aid for the foot bolts
- Due to its simple design, special separating devices can also be easily created in-house for series 68.

Technical attributes

#									
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb	
68-0 NEW	-446641	20 - 110 13/16 - 4 5/16	75 2 15/16	13 1/2	40 29.50	15	1.5 1.65	0 0,000	-
68-10 NEW	-009440	55 - 150 2 3/16 - 5 7/8	230 9 1/16	19 3/4	100 73.76	50	5 5.51	0 0,000	-
68-1	-007385	58 - 150 2 5/16 - 5 7/8	160 6 5/16	13 1/2	70 51.63	50	5 5.51	1,555 3,429	19-1-S, 13-1
68-2	-007392	68 - 244 2 11/16 - 9 5/8	280 11 1/32	22 7/8	120 88.51	70	7 7.72	5,25 11,576	19-2-S, 13-2
68-3	-007408	75 - 310 2 15/16 - 12 3/16	330 12 1	27 1 1/16	280 206.53	100	10 11.02	0 0,000	19-3-S, 13-3

SERIES 19-S PULLER DEVICE EXTENSION SET



The extensions for puller devices are used together with the combination puller devices of series 68 in craft, industry, and workshops to increase the reach of the puller device. The extensions are available in various lengths in the set (3 pieces).

Benefits

- The extensions are combinable with each other, allowing for optimal adjustment to the required reach.

Technical attributes

#						
	EAN	nominal dimension	mm/inch	mm/inch	mm/inch	kg/lb
19-1-S	-060816	M10	14 9/16	100 3 15/16	12 1/2	0,345 0,761
19-2-S NEW	-042096	M14x1,5	22 7/8	100 3 15/16	19 3/4	0,8325 1,836
19-3-S NEW	-042102	M18x1,5	22 7/8	100 3 15/16	19 3/4	0,9825 2,166

PRODUCT DETAILS



K-68-A MULTI-ARM BOLT PULLER SET



The multi-side bolt puller set K-68-A is used for pulling components with threaded holes. The multi-crossbar allows for the attachment of up to three foot bolts for even more uniform force distribution. For precise adjustment assistance, a scale with numerical values is located above the crossbar. For individual adaptation to the shaft, different pressure pieces can be used.

Benefits

- The set includes a large number of common standard threads for customising the extractor
- The multi-traverse of series 68 allows for the removal over two or three threads in the component to be disassembled.
- The sentence is equipped with side bolts and can thus be combined with separating knives and Tri-Pull tools.

Technical attributes

#					Max. tensile force	Max. tractive force			Components
	EAN	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.		kg/lb	
K-68-A NEW	-009136	100 3 15/16	20 - 110 13/16 - 4 5/16	13 1/2	15	1.5 1.65	M4, M5, M6, 1/4"-28 UNF	0 0,000	68-0

K-68-B MULTI-SIDE BOLT PULLER SET



The multi-way puller set K-68-B is used for removing components with threaded holes. A power nut integrated into the crossbar allows for the application of force that would otherwise only be achievable with hydraulic systems. The multi-crossbar enables the attachment of up to three side bolts for even more uniform force distribution. Above the crossbar, there is a scale with numerical values for precise adjustment. For individual adaptation to the shaft, various pressure pieces can be used.

Benefits

- The set includes a wide range of common standard threads for adapting the puller
- The multi-traverse of the 68 series enables extraction via two or three threads in the component to be removed
- The set is equipped with side bolts and can therefore be combined with cut-off knives and Tri-Pull tools

Technical attributes

#					Max. tensile force	Max. tractive force			Components
	EAN	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.		kg/lb	
K-68-B NEW	-009143	205 8 1/16	58 - 150 2 5/16 - 5 7/8	13 1/2	50	5 5.51	M8, M10, 1/4"-28 UNF, 5/16"-24 UNF, 5/16"-18 UNC, 3/8"-16 UNC, 3/8"- 24 UNF	6,9 15,215	68-1

PRODUCT DETAILS

K-68-C
MULTI-SIDE BOLT PULLER SET



The Multi-Sided Bolt Puller Set K-68-C is used to pull components with threaded holes. A power nut integrated into the crossbar allows for applied force that would otherwise only be achievable with hydraulic systems. The multi-crossbar allows for the attachment of up to three side bolts for an even more uniform distribution of force. For precise adjustment assistance, there is a scale with numerical values above the crossbar. Various pressure pieces can be used for individual adaptation to the shaft.

Benefits

- The set includes a wide range of common standard threads for adapting the puller
- The multi-traverse of series 68 allows for the removal over two or three threads in the component to be disassembled.
- The sentence is equipped with side bolts and can thus be combined with separating knives and Tri-Pull tools.
- The set includes outer and inner arms, which can be combined with side bolts

Technical attributes

#					Max. tensile force	Max. tractive force			Components
	EAN	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.		kg/lb	
K-68-C NEW	-009150	270 10 5/8	55 - 150 2 3/16 - 5 7/8	19 3/4	50	5 5.51	M10, M12, M14, 3/8"-16 UNC, 3/8"-24 UNF, 7/16"- 14 UNC, 1/2"-13 UNC	0 0,000	68-10

29-A-69
12-PIECE UNIVERSAL PULLER,
EXTRACTOR, AND BALL BEARING
PULLER SET



The 8883-piece universal puller, separator, and ball bearing puller set from series 29-A-69 is used for the easy and trouble-free removal of bearings, drums, discs, pole wheels, and similar parts on motorcycles and other small engines in craft, industry, and workshops. For separation and pulling, the separator device from series 15 is suitable, whose sharp edges allow for pulling where other pulling methods are inapplicable. While the affected ball bearing cannot be reused during ball bearing extraction with the included series 69, the application ensures the safety and integrity of the associated housing or shaft.

Benefits

- By storing it in the box, the completeness of the set can be easily overviewed.
- Quick and secure selection by labeling the storage adapters
- The screw connection of the separator and puller device ensures the highest stability during extraction.

Technical attributes

#									Max. tensile force	Max. tractive force		Compo- nents
	EAN		mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
29-A-69	-101878	6004, 6005, 6006, 6007, 6008, 6009, 6010, 6011, 6012, 6013, 6201, 6202, 6203, 6204, 6205, 6206, 6300, 6301, 6302, 6303, 6304, 6305	200 7 7/8	20 - 110 13/16 - 4 5/16	6 - 46 1/4 - 1 13/16	20 - 100 13/16 - 3 15/16	200 7 7/8	12 1/2	15	1.5 1.65	2,2 4,851	69-A, 225-150, 15-00

KUKKO // *Pull forward*



DISMANTLING TOOLS



DEPLOYMENT

KUKKO offers a wide range of dismantling tools for various applications, whether it's for extracting a stud bolt, removing a seal ring, or driving out pins. Various models of wiper pullers, wedge pullers, oil filter wrenches, and brake tools are also provided as essential tools for the automotive industry.



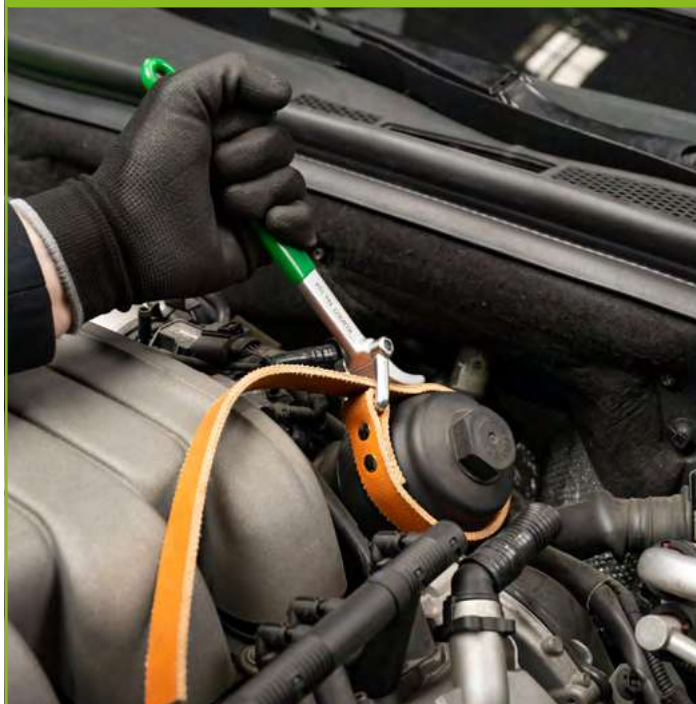
APPLICATION EXAMPLES

SERIES 720 - PIN PUNCH



Driving out a retaining pin with a pin punch

SERIES 104 - OIL FILTER WRENCH



Attaching a strap wrench to the oil filter

SERIES 728 - RETAINING RING PLIERS



Removing a circlip

SERIES 135 - SEPERATOR



Separating a control arm from the suspension

PRODUCT DETAILS



SERIES 23 PULLER FOR GROOVE BALL BEARING INNER RINGS



The puller of the series 23 is used for pulling off shoulder bearing inner rings on alternators and electric motors in craftsmanship, workshops, and industry. This pulling device allows parts to be pulled off in a way that they can be grasped due to its design. The series 23 convinces with its stability and ease of use, and thus ensures safe pulling.

Benefits

- Crisis-proof tool perfect for the repair of various electric motors
- Ideal for removing deep bearings and shoulder bearing rings



Technical attributes

#					Included in the set
	EAN	mm/inch	mm/inch	kg/lb	
23	-012631	5 - 32 3/16 - 1 1/4	17 11/16	1,42 3,131	24-B, 24-C

SERIES 139 PULLING PLIERS FOR WEDGES IN GROOVES



The wedge extracting pliers in grooves is used for the easy and damage-free removal of stuck wedges from the key grooves of shafts in crafts, industry, and workshops. With the pliers, it is possible to loosen even strongly secured wedges from the key grooves of drive shafts. The series 139 impresses with its compactness and simple application method. Its construction is ideal for use on electric motors.

Benefits

- The adjustable span of the clamping arms allows for variable application depending on the size of the stuck wedge.
- The handwheels for adjustment make the addition of external tools unnecessary.

Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
139-1	-779176	0 - 35 0 - 1 3/8	122 4 13/16	4 3/16	2,5 5,513

PRODUCT DETAILS

SERIES 135 SEPARATOR



The fork separators of series 135 are used for loosening ball pivot joints that are wedged in the cone seat, for loosening steering levers, for disassembling shock absorbers, and for other separation work of all kinds in automotive and industry. Their universal applicability makes the fork separators an important companion for disassembly and separation tasks.

Benefits

- The set includes sizes with various arm openings for use in every case.

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
135-1	-024856	310 12 3/16	18 11/16	0,74 1,632
135-2	-024931	316 12 7/16	23 7/8	0,8 1,764
135-3	-025013	319 12 9/16	29 1 1/8	0,815 1,797
135-4	-025198	335 13 3/16	39 1 9/16	1,465 3,230
135-5	-220531	340 13 3/8	45 1 3/4	1,28 2,822

SERIES 177-HP PICKS & HOOKS WITH 2K COMFORT GRIP IN SET



The Picks & Hooks with 2K comfort grip in the set are used for loosening stuck seal rings, separating cables in a wiring harness, and other tasks in sanitation and automotive. The Picks & Hooks of series 177 allow for sensitive and powerful working due to their two-component grip and high-quality processing.

Benefits

- Application-oriented assembly for universal use
- Through storage in the set, the completeness of the set can be easily overviewed.
- Thanks to the rotary cap and fast rotation zone, the two-component handle allows for safe and comfortable one-handed operation.
- The narrow handle also allows working in tight and hard-to-reach places.

Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
177-HP04	-158132	155 6 1/8	3,5 1/8	70 2 3/4	0,1 0,221

PRODUCT DETAILS

SERIES 177-P PICKS WITH 2K COMFORT GRIP

The picks and hooks with 2K comfort grip are used for releasing stuck sealing washers, separating wires in a cable harness, and for other tasks in sanitation and automotive. The picks & hooks of the series 177 enable sensitive and powerful work due to their two-component handle and high-quality craftsmanship.

Benefits

- Thanks to the rotating cap and quick-turn zone, the two-component handle allows for safe and comfortable one-handed operation.
- The narrow grip also allows work in tight and hard-to-reach places



Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
177-P000	-017538	155 6 1/8	3,5 1/8	70 2 3/4	0,15 0,331
177-P045	-017545	155 6 1/8	3,5 1/8	70 2 3/4	0,2 0,441
177-P090	-017552	155 6 1/8	3,5 1/8	70 2 3/4	0,015 0,033

SERIES 177-H HOOK

The hooks with 2K comfort grip are used for loosening stuck sealing washers, separating cables in a wiring harness, and other tasks in sanitary and automotive applications. The picks & hooks of series 177 enable a sensitive as well as powerful operation due to their two-component handle and high-quality workmanship.

Benefits

- Thanks to the rotary cap and quick rotation zone, the two-component handle allows for safe and comfortable work even with one hand.
- The narrow handle also allows for working in tight and hard-to-reach places



Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
177-H000	-017521	155 6 1/8	3,5 1/8	70 2 3/4	0,015 0,033

PRODUCT DETAILS

SERIES 728-A RETAINING RING PLIERS FOR EXTERNAL RINGS, STRAIGHT



The retaining ring pliers for external rings are used for the assembly and disassembly of retaining rings on shafts in crafts, industry, and workshops. The simple yet powerfully forged design allows for safe and quick operation in any application case. The series 728 impresses with its versatility. Depending on the diameter of the external ring, the retaining ring pliers are available in various sizes, allowing for a case-oriented approach.

Benefits

- The tips are stable and slip-resistant; even in hard-to-reach places, you can work comfortably with the pliers.
- The plier body and the tips are oil-hardened and made of chrome-vanadium steel, offering high durability and resilience.
- The shape provides an unobstructed view of the work peaks.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb	Included in the set
728K-A0	-004346	135 5 5/16	3-10 1/8-3/8	0,1 0,221	-
728K-A1	-004384	135 5 5/16	10-25 3/8-1	0,95 2,095	728K-729
728K-A2	-004421	180 7 1/16	19 - 60 3/4-2 3/8	0,18 0,397	728K-729
728K-A3	-004469	225 8 7/8	40 - 100 1 9/16-3 15/16	0,315 0,695	-

SERIES 728-A-1 RETAINING RING PLIERS FOR EXTERNAL RINGS, BENT



The circlip pliers for external rings are used for the assembly and disassembly of circlips on shafts in crafts, industry, and workshops. The simple yet powerfully forged design allows for safe and quick work in any application. The series 728 impresses with its variability. Depending on the diameter of the external ring, the circlip pliers are available in various sizes, allowing for a situation-oriented approach.

Benefits

- The tips are stable and slip-resistant; even in hard-to-reach places, you can work comfortably with the pliers.
- The pivot and the tips are oil-hardened, forged from chrome-vanadium steel, and possess high durability and toughness.
- The form provides an unobstructed view of the work peaks.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb	Included in the set
728K-A01	-004360	135 5 5/16	3-10 1/8-3/8	0,095 0,209	-
728K-A11	-004407	135 5 5/16	10-25 3/8-1	0,1 0,221	728K-729
728K-A21	-004445	180 7 1/16	19 - 60 3/4-2 3/8	0,19 0,419	-
728K-A31	-004490	225 8 7/8	40 - 100 1 9/16-3 15/16	0,31 0,684	-

PRODUCT DETAILS



SERIES 729-J RETAINING RING PLIERS FOR INTERNAL RINGS, STRAIGHT



The retaining ring pliers for internal rings are used for the assembly and disassembly of retaining rings in holes in crafts, industry, and workshops. The simple yet powerfully forged design allows for safe and fast work in every application. The 729 series impresses with its variability. Depending on the diameter of the internal ring, the retaining ring pliers are available in different sizes, allowing for a task-oriented approach.

Benefits

- The tips are stable and anti-slip; even in hard-to-reach places, you can work comfortably with the pliers.
- The pivot and the tips are oil-hardened, forged from chrome-vanadium steel, and possess high durability and toughness.
- The form provides an unobstructed view of the work peaks.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb	Included in the set
729K-J0	-004513	135 5 5/16	8-13 5/16-1/2	0,085 0,187	-
729K-J1	-004568	135 5 5/16	10-25 3/8-1	0,085 0,187	728K-729
729K-J2	-004605	180 7 1/16	19 - 60 3/4-2 3/8	0,155 0,342	728K-729
729K-J3	-004650	225 8 7/8	40 - 100 1 9/16-3 15/16	0,3 0,662	-

SERIES 729-J-1 RETAINING RING PLIERS FOR INTERNAL RINGS, BENT



The retaining ring pliers for internal rings are used for the assembly and disassembly of retaining rings in bores in crafts, industry, and workshops. The simple yet robustly forged design allows for safe and quick work in any application. The series 729 impresses with its versatility. Depending on the diameter of the internal ring, the retaining ring pliers are available in various sizes, allowing for an application-oriented approach.

Benefits

- The tips are stable and slip-resistant; even in hard-to-reach places, you can work comfortably with the pliers.
- The pivot and the tips are oil-hardened, forged from chrome-vanadium steel, and possess high durability and toughness.
- The form provides an unobstructed view of the work peaks.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb	Included in the set
729K-J01	-004537	135 5 5/16	8-13 5/16-1/2	0,9 1,985	-
729K-J11	-004582	135 5 5/16	10-25 3/8-1	0,085 0,187	728K-729
729K-J21	-004629	180 7 1/16	19 - 60 3/4-2 3/8	0,16 0,353	728K-729
729K-J31	-004674	225 8 7/8	40 - 100 1 9/16-3 15/16	0,31 0,684	-

PRODUCT DETAILS

728K-729
8-PIECE RETAINING RING PLIERS SET



The 8-piece retaining ring pliers set is used for the assembly and disassembly of retaining rings on shafts and in bores in craft, industry, and workshop. The simple yet powerfully forged shape of the various retaining ring pliers allows for safe and quick work in any application case. Depending on the diameter and location of the retaining ring, the set includes various sizes and shapes, enabling the user to work in a case-oriented manner.

Benefits

- The pivot and the tips are oil-hardened, forged from chrome-vanadium steel, and possess high durability and toughness.
- The shape provides an unobstructed view of the work peaks.
- Application-oriented compilation for universal use

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb	Components
728K-729	-004322	135 - 180 5 5/16-7 1/16	10 - 60 3/8-2 3/8	1,17 2,580	728K-A1, 728K-A2, 728K-A11, 729K-J1, 729K-J2, 729K-J11, 729K-J21, 728K-A21



A pair of pliers from the circlip pliers set 728K-729 is used to remove a stuck circlip

PRODUCT DETAILS



SERIES 720 PIN PUNCH



The pin punch of the series 720 is used for driving out pins and similar parts in crafts, industry, and workshops. The pin punch is available in various tip diameters and shank lengths, thereby allowing the choice of the optimal tool depending on the application case.

Benefits

- The specially tempered extra chrome-vanadium steel and the chrome-plated surface ensure a long service life and reduced arm formation.
- The curved shape of the handle ensures an optimal grip and prevents slipping, providing particularly safe work conditions.
- The various sizes have a color coding and can be easily distinguished.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 mm/inch	 kg/lb
720-002	-103216	150 5 7/8	2 1/16	42 1 5/8	11 7/16	0,065 0,143
720-003	-103230	150 5 7/8	3 1/8	44 1 3/4	11 7/16	0,065 0,143
720-004	-103247	150 5 7/8	4 3/16	45 1 3/4	11 7/16	0,07 0,154
720-005	-103254	150 5 7/8	5 3/16	48 1 7/8	11 7/16	0,067 0,148
720-006	-103261	150 5 7/8	6 1/4	48 1 7/8	11 7/16	0,07 0,154
720-008	-103278	150 5 7/8	8 5/16	49 1 15/16	11 7/16	0,078 0,172

SERIES 720-S PIN PUNCH SET



The pin punch set of series 720 is used for driving out pins and similar parts in crafts, industry, and workshops. The set includes pin punches in six different diameters, allowing for the selection of the optimal tool depending on the application.

Benefits

- Application-oriented assembly for universal use
- Thanks to color coding, the pin punches can be easily distinguished.
- The specially coated extra chrome-vanadium steel and the chrome-plated surface ensure a long service life and reduced arm formation.
- The curved shape of the handle ensures optimal grip and prevents slipping, thus guaranteeing particularly safe operation.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 mm/inch	 kg/lb
720-028	-058714	150 5 7/8	2, 3, 4, 5, 6, 8 1/16, 1/8, 3/16, 3/16, 1/4, 5/16	42, 44, 45, 48, 48, 49 1 5/8, 1 3/4, 1 3/4, 1 7/8, 1 7/8, 1 15/16	11 7/16	0,75 1,654

SERIES 50 STUD EXTRACTOR WITH INTERNAL TOOTHING



The stud extractor with internal teeth from series 50 is used for extracting stud bolts or broken parts in automotive and industrial applications. Kukko stud extractors are available in various diameters and designs. The series 50 impresses with its particularly proven and robust design, especially under high stress.

Benefits

- The knurled wheel with a groove presses the stud bolt securely against the internal gearing.
- The stud bolt is in the area of the key during the extraction and cannot break off.
- The extra profiled knurled wheel has a surface for a secure grip.



Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
50-1	-019258	17 11/16	5 - 10 3/16-3/8	0,115 0,254
50-2	-019333	27 1 1/16	8 - 19 5/16-3/4	0,43 0,948
50-3	-019418	36 1 7/16	18 - 25 11/16-1	0,585 1,290

SERIES 51 STUD EXTRACTOR WITH INTERNAL PROFILE



The stud extractor with internal tothing of series 51 is used for extracting studs or broken components in the automotive and industrial sectors. Kukko stud extractors are available in various diameters and designs. The series 51 impresses with its handy and cost-effective design.

Benefits

- The knurled wheel with a groove securely presses the stud bolt against the internal teeth.
- The stud bolt is in the area of the key during the extraction and cannot break off.
- The extra profiled knurled wheel has a surface for a firm grip.



Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
51-1	-019586	19 3/4	5 - 10 3/16-3/8	0,355 0,783
51-2	-019661	19 3/4	8 - 19 5/16-3/4	0,37 0,816
51-3	-019746	19 3/4	18 - 25 11/16-1	0,52 1,147

PRODUCT DETAILS

SERIES 52
STUD EXTRACTOR WITH LARGE
CLAMPING RANGE



The stud extractor with internal gearing from series 52 is used for extracting stud bolts or broken components in automotive and industrial applications. Kukko stud extractors are available in various diameters and designs. The series 52 has an especially large clamping range and allows for the grasping of short stud bolt ends due to the deep arrangement of the knurled wheel.

Benefits

- The knurled wheel with a groove securely presses the stud bolt against the internal teeth.
- The stud bolt is in the area of the key during the extraction and cannot break off.
- The extra profiled knurled wheel has a surface for a firm grip.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb
52	-019821	19 3/4	5 - 19 3/16-3/4	0,525 1,158



Removing a gear with the 47-1-A

PRODUCT DETAILS

SERIES 53 STUD EXTRACTOR FOR TIGHT SPACES



The stud extractor with internal toothing of series 53 is used for extracting stud bolts or broken components in automotive and industry. Kukko stud extractors are available in different diameters and designs. The series 53 can also be used in very confined spaces due to its design and is operated using a ring or socket wrench.

Benefits

- The knurled wheel with a groove securely presses the stud bolt against the internal teeth.
- During the extraction, the stud bolt is located in the area of the key and cannot break off.
- The extra profiled knurled wheel has a surface for a firm grip.

Technical attributes

#								Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb	
53-5	-137860	65 2 9/16	24 1 5/16	5 3/16	21 13/16	12,7 1/2	0,15 0,331	-
53-6	-342318	60 2 3/8	25 1	6 1/4	21 13/16	12,7 1/2	0,12 0,265	53-A
53-7	-866234	65 2 9/16	24 1 5/16	7 1/4	21 13/16	12,7 1/2	0,155 0,342	-
53-8	-342493	60 2 3/8	25 1	8 5/16	21 13/16	12,7 1/2	0,155 0,342	53-A
53-10	-342561	71 2 13/16	28 1 1/8	10 3/8	21 13/16	12,7 1/2	0,22 0,485	53-A
53-12	-342646	71 2 13/16	28 1 1/8	12 1/2	21 13/16	12,7 1/2	0,83 1,830	53-A
53-14	-984563	72 2 13/16	36 1 7/16	14 9/16	24 15/16		0,34 0,750	-
53-16	-388774	72 2 13/16	36 1 7/16	16 5/8	24 15/16		0,31 0,684	-
53-18	-137846	100 3 15/16	48 1 7/8	18 1 1/16	36 1 7/16		0,835 1,841	-
53-20	-745591	100 3 15/16	48 1 7/8	20 13/16	36 1 7/16		0,82 1,808	-
53-22	-971082	100 3 15/16	48 1 7/8	22 7/8	36 1 7/16		0,73 1,610	-
53-24	-966774	100 3 15/16	48 1 7/8	24 15/16	36 1 7/16		0,795 1,753	-
53-30	-966781	125 4 15/16	63 2 1/2	30 1 3/16	46 1 13/16		1,66 3,660	-

SERIES 53-A STUD EXTRACTOR SET FOR TIGHT SPACES



The stud extractor set of series 53 is used for extracting stud bolts or broken components in automotive and industry applications. Kukko stud extractors are available in various diameters and designs. The series 53 can also be used in the tightest spaces due to its design and is operated with a ring or socket wrench. The set includes 4 different extractors with various diameters from 6 – 12 mm.

Benefits

- Application-oriented assembly for universal use
- The knurled wheel with a groove securely presses the stud bolt against the internal toothing.
- During extraction, the stud bolt is located in the area of the key and cannot break.

Technical attributes

#								Components
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb	
53-A	-222801	24-28 15/16-1 1/8	65-75 2 9/16-2 15/16	6, 8, 10, 12 1/4, 5/16, 3/8, 1/2	21 13/16	12,7 1/2	0,715 1,577	53-6, 53-8, 53-10, 53-12





AUTOMOTIVE

Whether for removing wet cylinder liners, pressing ball joints, pulling wheel hubs, steering wheels, wiper arms, camshafts or steering column levers, spreading piston rings, during the disassembly of oil filters, and for the removal and tensioning of coil springs – KUKKO offers the perfect solution for every application.

The automotive range includes among others:

- Cylinder liner pullers
- Ball joint presses
- Hub pullers
- Steering wheel pullers
- Wiper arm pullers
- Camshaft pullers
- Steering column lever pullers
- Piston ring pliers
- Oil filter wrenches
- Coil spring compressors

KUKKO // Pull forward



SERIES 127 | 128 | 129

BALL JOINT PULLER AND PRESS



DEPLOYMENT

Ball joints are found in vehicles both in the axle suspension and in the steering. Ball joints are subjected to heavy loads, which causes the ball heads to wear over time. This leads to play in the joints, which can affect steering and driving safety. At the latest, a replacement of the ball joints is urgently necessary. To disassemble ball joints without damage, KUKKO offers the optimal tools with series 128 and 129.



FEATURES OF THE SERIES

SERIES 127



Universal Joint Puller

The bell-shaped direct press ball joint puller of series 127 is used for pushing out the ball pins when removing ball joints as well as tie rod ends on tie rods in automotive and industry applications. The puller allows for damage-free working and is optimal when space is limited.

Benefits

Due to its simple yet effective design, the Direct Pull Ball Joint Puller is especially suitable for quick and uncomplicated applications.

SERIES 128



Puller with direct pressure

The bell-shaped ball joint puller of series 128 is used to press out the ball pins when removing ball joints and tie rod ends from tie rods for all vehicle types. The puller allows for damage-free working and is optimal when there is plenty of space available.

Benefits

Due to its simple yet effective design, the direct pull spherical joint puller is particularly suitable for quick and uncomplicated applications.

SERIES 129



Ball Joint Separator for Passenger Cars

The ball joint puller with lever transmission of the series 129 is used to press out the ball pins when removing ball joints as well as tie rod ends on tie rods for cars and light commercial vehicles. Due to its lever transmission, the ball joint puller can apply a lot of force even where there is barely any access space.

Benefits

- The bolt can be adjusted to flexibly adapt the clamping range.
- The spread can be increased by simple conversion.

SERIES 135



Separator

The separating forks of the series 135 are used for loosening ball joint fittings jammed in the cone seat, for loosening steering rods, for disassembling shock absorbers, and for other separation tasks of all kinds in automotive and industry.

Benefits

- The assortment includes sizes with different fork holes for use in every case.

ASSEMBLY OF SERIES 128



ASSEMBLY OF THE SERIES 129



OPTIONAL EXTENSIONS

In case of particularly stubborn components, the mechanical spindle can easily be replaced with a hydraulic spindle, achieving a medium tension force of up to 20 t.

Hydraulic spindle 800



Benefits:

- The hydraulic spindle guarantees easy and controlled removal of particularly stuck parts with low effort.
- Hydraulic spindle doubles the manual extraction force by 100%
- Handy format for quick, portable use
- Thanks to integrated fat-hydraulic, no external pump is required.

Fall protection 660



20 t tension force



20 t tension force



APPLICATION EXAMPLES



Separation of a tie rod from the suspension



The ball joint puller 128-60 when pressing a steering track end on a tie rod in a workshop



The spherical joint puller 129-3 when pressing out a tie rod end in a workshop

PRODUCT DETAILS

SERIES 127-0 DIRECT PRESS BALL JOINT PULLER



The bell-shaped direct press ball joint puller of series 127 is used to press out the ball pins when removing ball joints as well as tie rod ends on tie rods in automotive and industry. The puller allows for damage-free work and is optimal when there is little space available.

Benefits

- Due to its simple yet effective design, the direct puller ball joint remover is particularly suitable for quick and uncomplicated application.

Technical attributes

#	EAN	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW mm/inch	kg/lb
127-2	-123290	33,5 1 5/16	120 88.51	70	7 7.72	17 11/16	1,38 3,043
127-3	-981784	34 1 5/16	140 103.26	100	10 11.02	19 3/4	0,965 2,128
127-4	-123306	37 1 7/16	120 88.51	70	7 7.72	17 11/16	1,33 2,933
127-55	-007156	32 1 1/4	120 88.51	70	7 7.72	17 11/16	2,45 5,402

SERIES 128 BELL-SHAPED BALL JOINT PULLER



The bell-shaped ball joint puller of series 128 is used for pressing out the ball studs when disassembling ball joints and tie rod ends on tie rods for all vehicle types. The puller allows for damage-free work and is optimal when there is plenty of space available. The series 128 impresses with its fast and easy operating method and is available in various sizes.

Benefits

- Due to its simple yet effective design, the direct puller ball joint remover is particularly suitable for quick and uncomplicated application.

Technical attributes

#	EAN	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW mm/inch	kg/lb	Included in the set
128-1	-024108	18 11/16	80 59.01	70	7 7.72	17 11/16	0,34 0,750	K-127-A/6
128-2	-024283	23 7/8	120 88.51	70	7 7.72	17 11/16	0,52 1,147	-
128-3	-024368	29 1 1/8	140 103.26	100	10 11.02	19 3/4	0,94 2,073	-
128-4	-024443	40 1 9/16	250 184.40	100	10 11.02	24 15/16	1,715 3,782	-
128-5	-024511	46 1 13/16	250 184.40	100	10 11.02	24 15/16	1,84 4,057	-
128-6	-007002	55 2 3/16	0.00	-	0.00	0	0,000	-

SERIES 128-0
BELL-SHAPED BALL JOINT PULLER



The bell-shaped ball joint puller of series 128 is used to press out the ball studs when removing ball joints and tie rod ends on tie rods in automotive and industry applications. The puller allows for damage-free working and is optimal when there is plenty of space available. The series 128 impresses with its quick and easy operation and is available in various sizes.



Benefits

- Due to its simple yet effective design, the direct print ball joint puller is particularly suitable for quick and uncomplicated application.
- The ball joint pullers can be used hydraulically together with the YSM series lift cylinder.

Technical attributes

#	 EAN	 mm/inch	 Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW  mm/inch	 kg/lb
128-30	-006937	30 1 3/16	150 110.64	100	10 11.02	22 7/8	1,5 3,308
128-40	-006968	39 1 9/16	150 110.64	100	10 11.02	22 7/8	4,225 9,316
128-50	-006982	46 1 13/16	150 110.64	100	10 11.02	22 7/8	0 0,000
128-60	-007019	55 2 3/16	150 110.64	100	10 11.02	22 7/8	0 0,000



The ball joint puller 128-60 when pressing out a tie rod end on a track rod

PRODUCT DETAILS

SERIES 128-H HYDRAULIC BALL JOINT PULLER



The bell-shaped hydraulic ball joint puller from series 128-H is used for pressing out ball pins when removing ball joints and tie rod ends on tie rods in automotive and industry applications. The puller allows for non-damaging work and is optimal when there is plenty of space available. The 128 series impresses with its fast and easy operation and is available in various sizes. The grease hydraulic spindle achieves an average pulling force of up to 15 t.

Benefits

- Due to its simple yet effective design, the direct-print ball joint puller is particularly suitable for quick and uncomplicated application.
- The hydraulics ensure a force-saving and safe operation.

Technical attributes

#	EAN	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW mm/inch	kg/lb
128-30-H	-006944	30 1 3/16	70 51.63	150	15 16.53	19 3/4	2,1 4,631
128-40-H	-006975	39 1 9/16	70 51.63	150	15 16.53	19 3/4	2,1 4,631
128-50-H	-006999	46 1 13/16	70 51.63	150	15 16.53	19 3/4	4,9 10,805
128-60-H	-007026	55 2 3/16	70 51.63	150	15 16.53	19 3/4	5 11,025

SERIES 128-T-4 KUKKO SYSTEM FOR REPAIR WORK ON VW T4 TRAILING JOINTS



The KUKKO system for repair work on the ball joint of series 128 is used for the installation and removal of the ball joints on the T4 in automotive and industry. The system allows for damage-free operation and is optimal when there is plenty of space available. The series 128 impresses with its fast and simple working method and is available in various sizes. This version was specifically developed for applications on the VW T4.

Benefits

- Two additional spacer plates of 40 mm and 46 mm are included.
- Due to its simple yet effective design, the system is particularly suitable for quick and uncomplicated application.

Technical attributes

#	EAN	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW mm/inch	kg/lb
128-T-4	-018022	40, 46, 51, 55 1 9/16, 1 13/16, 2 1/64, 2 3/16	250 184.40	100	10 11.02	24 15/16	2,81 6,196

PRODUCT DETAILS

SERIES 129 BALL JOINT EXTRACTOR WITH LEVER TRANSLATION FOR PASSENGER CARS



The ball joint extractor with lever translation from the series 129 is used for pressing out ball pins when removing ball joints as well as tie rod ends on tie rods for passenger cars and light commercial vehicles. Due to its lever translation, the ball joint extractor can also apply a lot of force in areas where there is little access space. The series 129 impresses with its versatility of applications. In addition to a universal model, there are also versions that have been specifically manufactured for certain automobile categories and models, thus enabling ideal use. The lever clamping range can be adjusted via the thread of the center spindle.



Benefits

- The bolt can be adjusted to flexibly adapt the clamping range.
- The spread can be increased by simple conversion.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	 mm/inch	 kg/lb	Included in the set
129-0	-410536	20 13/16	50 1 15/16	45 33.19	65	6.5 7.17	24 15/16	1,225 2,701	K-127-A/6
129-0-25	-989667	25 1	50 1 15/16	45 33.19	65	6.5 7.17	24 15/16	1,26 2,778	-
129-0-29	-989674	29,5 1 3/16	50 1 15/16	45 33.19	65	6.5 7.17	24 15/16	1,245 2,745	-
129-0-DC-1	-923920	20 13/16	50 1 15/16	45 33.19	65	6.5 7.17	24 15/16	1,23 2,712	-
129-0-DC-2	-923647	20 13/16	50 1 15/16	45 33.19	65	6.5 7.17	24 15/16	1,225 2,701	-

SERIES 129-1 BALL JOINT PULLER WITH LEVER TRANSLATION, FOR CARS AND LIGHT VANS



The ball joint puller with lever translation of series 129 is used to press out the ball pins when removing ball joints and tie rod ends on steering rods for cars and light commercial vehicles. Due to its lever translation, the ball joint puller can also apply a lot of force where there is little access space. Series 129 impresses with its application variety. Within the series, there are various sizes of ball joint pullers with different arm openings. The lever clamping range is adjustable via the thread of the center spindle.

Benefits

- The bolt can be adjusted to flexibly adapt the clamping range.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	 mm/inch	 kg/lb
129-1	-024696	22 7/8	50 1 15/16	30 22.13	30	3 3.31	17 11/16	0,72 1,588
129-1-B-1	-923654	31 1 1/4	50 1 15/16	30 22.13	30	3 3.31	17 11/16	0,725 1,599

PRODUCT DETAILS

SERIES 129-2
UNIVERSAL PRESS WITH LEVER
TRANSLATION, SUITABLE FOR
PASSENGER CARS, VANS, AND
MEDIUM TRUCKS



The ball joint extractor with lever translation of series 129 is used for pressing out the ball pins when removing ball joints as well as tie rod ends on tie rods, universally for passenger cars, vans, and medium trucks. Due to its lever translation, the ball joint extractor can also apply much force where there is little access space available. Series 129 impresses with its variety of applications. The lever clamping range is adjustable via the thread of the center spindle.

Benefits

- The ball joint puller is universally applicable through three arm widths.
- The bolt can be adjusted to flexibly adapt the clamping range.n

Technical attributes

#					Max. tensile force	Max. tractive force	SW 	
	EAN	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	mm/inch	kg/lb
129-2	-024771	16, 22, 32 5/8, 7/8, 1 1/4	70 2 3/4	35 25.82	30	3 3.31	17 11/16	1,13 2,492

SERIES 129-25
UNIVERSAL BALL JOINT PULLER



The universal ball joint puller of the series 129 is used for pressing out the ball pins when removing ball joints on tie rods and track rods in passenger cars. Thanks to its leverage, the ball joint puller can also apply a lot of force where there is hardly any access space. The series 129 impresses with its wide range of applications. The lever clamping range can be adjusted via the thread of the center spindle.

Benefits

- With the center spindle, the press can be adjusted and pre-tensioned.
- The bolt can be adjusted to flexibly adapt the clamping range.
- The spread can be adjusted threefold by a simple modification.

Technical attributes

#					Max. tensile force	Max. tractive force	SW 	
	EAN	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	mm/inch	kg/lb
129-25	-967924	19 3/4	45 1 3/4	140 103.26	170	17 18.74	19 3/4	1,62 3,572

PRODUCT DETAILS

SERIES 129-3-4
BALL JOINT PRESS WITH LEVER
TRANSLATION, FOR MEDIUM
AND HEAVY TRUCKS, BUSES, AND
CONSTRUCTION VEHICLES



The ball joint puller with lever translation of the series 129 is used for pressing out the ball pins when removing ball joints as well as tie rod ends on tie rods, for medium and heavy trucks, buses, and construction vehicles. Due to its lever translation, the ball joint puller can also apply a lot of force where there is little access space available. The series 129 impresses with its versatility of applications. Within the series, there are various sizes of ball joint pullers with different arm openings. The lever clamping range is adjustable via the thread of the center spindle.



Benefits

- Better haptics through modern and ergonomic design
- Low effort for high extraction performance
- The reach can be easily adjusted using a spring mechanism
- The bolt can be adjusted to flexibly adapt the clamping range.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW  mm/inch	 kg/lb
129-3	-270949	31 1 1/4	70 2 3/4	85 62.70	100	10 11.02	19 3/4	3,316 7,312
129-4	-271021	40 1 9/16	85 3 3/8	125 92.20	150	15 16.53	19 3/4	3,26 7,188



The ball joint extractor 129-3 when pressing out a track rod knob

PRODUCT DETAILS

SERIES 129-3-A JOINT EXTRACTOR WITH LEVERAGE TRANSLATION, SPECIALLY DESIGNED FOR CARS WITH ALUMINUM CHASSIS



The ball joint puller with lever transmission from the series 129 is used for pressing out the ball pins when removing ball joints as well as tie rod ends on tie rods, specifically for cars with aluminum chassis. Due to its lever transmission, the ball joint puller can also apply a lot of force in places with limited access. The series 129 impresses with its variety of applications. Within the series, there are different sizes of ball joint pullers with varying arm openings. The lever clamping range can be adjusted via the thread of the center spindle.

Benefits

- The reach can be easily adjusted with a spring mechanism.
- The bolt can be adjusted to flexibly adapt the clamping range.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW  mm/inch	 kg/lb
129-3-A	-803178	30 1 3/16	65 2 9/16	35 25.82	65	6.5 7.17	19 3/4	1,96 4,322
129-3-A-32	-989681	32 1 1/4	65 2 9/16	35 25.82	65	6.5 7.17	19 3/4	1,925 4,245
129-3-A-34	-989698	34 1 5/16	65 2 9/16	35 25.82	65	6.5 7.17	19 3/4	1,96 4,322

SERIES 129-4-30 BALL JOINT EXTRACTOR WITH LEVER TRANSLATION FOR PASSENGER CARS



The ball joint extractor with lever translation of series 129 is used to press out the ball pins when removing ball joints and tie rod ends on steering rods in passenger cars. Tight space conditions allow little room for the gentle positioning of the press. Due to its special design, the disassembly of the support joint occurs without contact with other axle components, thus protecting the sensitive surfaces. Series 129 impresses with its versatility in application. The version 129-4-30 has been specifically developed for applications on the Audi R8. The lever clamping range can be adjusted via the thread of the center spindle.

Benefits

- Better haptics through modern and ergonomic design
- Low effort for high pulling performance
- The reach can be easily adjusted using a spring mechanism.
- The bolt can be adjusted to flexibly adapt the clamping range.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW  mm/inch	 kg/lb
129-4-30	-102653	30 1 3/16	70 2 3/4	85 62.70	100	10 11.02	19 3/4	2,8 6,174

PRODUCT DETAILS

SERIES 129-5
PULLER FOR HEAVY TRUCKS



The ball joint puller for heavy trucks of series 129 is used for the hydraulic extraction of ball pins when removing ball joints on tie rods and steering rods specifically for medium and heavy trucks, buses, and construction vehicles. The series 129 impresses with its versatility in application. The lever clamping range is adjustable via the thread of the center spindle.



Benefits

- The bolt can be adjusted to flexibly adapt the clamping range.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW  mm/inch	 kg/lb
129-5	-865084	36 1 7/16	70 2 3/4	200 147.52	150	15 16.53	19 3/4	4,24 9,349

SERIES 129-5-H
HYDRAULIC SPINDLE PULLER
FOR HEAVY TRUCKS



The ball joint puller with hydraulic spindle for heavy trucks of series 129 is used for the hydraulic extraction of the ball pins when removing ball joints on tie rods and steering rods specifically designed for medium and heavy trucks, buses, and construction vehicles. The series 129 impresses with its versatility. The hydraulic spindle guarantees an easy and controlled removal of particularly seized parts with minimal effort.

Benefits

- Low effort for high pulling performance
- The spindle neck prevents the key from slipping off.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 Nm	Max. tensile force kN	Max. tractive force t/US t. sh.	SW  mm/inch	 kg/lb
129-5-H	-865091	36 1 7/16	70 2 3/4	70	150	15 16.53	19 3/4	5,34 11,775

PRODUCT DETAILS

SERIES 129-5-0 2-ARM AND PUSHROD PULLER FOR HEAVY TRUCKS



The 2-arm puller for heavy trucks of the series 129 is used for mechanically pressing out the ball studs when removing ball joints on thrust and steering rods. The series 129 impresses with its versatility of applications. Within the series, there are different sizes of ball joint presses with varying arm openings. The lever clamping range can be adjusted via the thread of the center spindle.

Benefits

- The extra strong version of the base body and reinforced fork is particularly suitable for heavy trucks and low-floor buses.
- With the center spindle, the press can be adjusted and pre-tensioned.
- Suitable for the following vehicle types:
 - o Mercedes Benz: ACTROS, ATEGO from 18 tons, SKO 405, -N, -GN (low-floor buses)
 - o MAN: F2000, TG, A 23 (low-floor articulated buses)
 - o Scania: series 3 and 4, Icarus
- Depending on the space requirement, the mechanical drive spindle can be actuated by modification from above or below.

Technical attributes

#					Max. tensile force	Max. tractive force	SW 	
	EAN	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	mm/inch	kg/lb
129-5-45	-333316	45 1 3/4	120 4 3/4	210 154.90	100	10 11.02	27 1 1/16	7,96 17,552
129-5-50	-123313	55 2 3/16	120 4 3/4	420 309.79	200	20 22.05	27 1 1/16	6,84 15,082

SERIES 129-5-H-0 2-ARM AND 3-ARM PULLER WITH HYDRAULIC LIFTING CYLINDER



The 2-arm and steering arm puller with hydraulic lift cylinder from series 129 is used for the hydraulic extraction of ball pins when removing ball joints on steering and tie rods specifically for trucks and low-floor buses. The lift cylinder ensures easy and controlled removal of particularly stuck parts with minimal effort. Series 129 impresses with its versatility of applications. Within the series, there are various sizes of ball joint extractors with different arm openings. A hydraulic pump (YHP-320) with hose (YF-200), which is not included in the delivery, is required for driving the tool.

Benefits

- The hydraulic presses are powered by a hydraulic cylinder, allowing for controlled and safe operation.
- The extra powerful version of the base body and reinforced fork is particularly suitable for heavy trucks and low-floor buses.
- With the center spindle, the press can be adjusted and pre-tensioned.
- Suitable for the following vehicle types:
 - o Mercedes Benz: ACTROS, ATEGO from 18 tons, SKO 405, -N, -GN (low-floor buses)
 - o MAN: F2000, TG, A 23 (low-floor articulated buses)
 - o Scania: series 3 and 4, Icarus

Technical attributes

#						Max. tensile force	Max. tractive force		
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	bar	kg/lb
129-5-45-H10	-333361	28,5 1 1/8	45 1 3/4	6 1/4	120 4 3/4	100	10 11.02	700	8,28 18,257
129-5-45-H20	-333422	28,5 1 1/8	45 1 3/4	6 1/4	120 4 3/4	200	20 22.05	700	9,57 21,102
129-5-50-H10	-000317	28,5 1 1/8	55 2 3/16	6 1/4	120 4 3/4	100	10 11.02	700	7,65 16,868
129-5-50-H20	-000324	28,5 1 1/8	55 2 3/16	6 1/4	120 4 3/4	200	20 22.05	700	9,2 20,286

PRODUCT DETAILS

SERIES 129-6 TRUCK BALL JOINT PRESS "UNIVERSAL"



The truck ball joint press "Universal" of series 129 is used for pressing out particularly firmly seated ball pins when removing ball joints on push and steering rods for trucks, buses, and construction vehicles. The series 129 impresses with its versatility.



Benefits

- Versatile due to the three different separator arms included in the scope of delivery.
- Especially suitable for solving ball joint connections that are stuck in the cone seat.

Technical attributes

#				Max. tensile force	Max. tractive force	SW 	
	EAN	mm/inch	Nm/ft lb	kN	t/US t. sh.	mm/inch	kg/lb
129-6	-971662	25, 32, 47 1, 1 1/4, 1 7/8	300 221.28	100	10 11.02	27 1 1/16	9,24 20,374

SERIES 129-36 PULLER FOR TIE RODS



The puller for tie rods and push rods of the series 129 is used for the hydraulic pressing out of the ball pins when removing ball joints on push and tie rods specifically designed for trucks and low-floor buses.

Benefits

- The extra sturdy design of the base body and reinforced fork is particularly suitable for heavy trucks and low-floor buses.
- The low design is ideal for low-floor buses of the types MAN, Mercedes-Benz, CITARO, etc. Suitable

Technical attributes

#				Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb
129-36	-865077	36 1 7/16	60 2 3/8	100	10 11.02	5,395 11,896

PRODUCT DETAILS

SERIES 129-36-H 2-ARM AND PUSH ROD JOINT PULLER WITH HYDRAULIC LIFT CYLINDER



The rod end and tie rod puller with hydraulic lifting cylinder of series 129 is used for hydraulic pressing out of ball pins when removing ball joints from push and tie rods specifically for trucks and low-floor buses. This extra heavy-duty version is particularly suitable for hydraulic pressing out or separating the ball joints on the tie and push rods.

Benefits

- The hydraulic press with its hydraulic cylinder enables controlled and safe pulling off.
- The extra-strong version of the base body and reinforced fork is particularly suitable for heavy trucks and low-floor buses.
- The low building form is ideal for low-floor buses of the types MAN, Mercedes-Benz, CITARO, etc. Suitable

Technical attributes

#							
	EAN	mm/inch	mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	bar	kg/lb
129-36-H	-222894	36 1 7/16	60 2 3/8	100	10 11.02	700	7,055 15,556

SERIES 129-H BALL JOINT PRESS WITH SHORT HYDRAULIC SPINDLE



The spherical joint extractor with a short hydraulic spindle of series 129 is used to press out particularly stubborn ball pins during the dismantling of ball joints and tie rod ends on medium trucks, buses, and construction vehicles. Series 129 impresses with its versatility of applications. Within the series, there are different sizes of spherical joint extractors with varying arm openings. The clamping range can be adjusted via the thread of the center spindle. The grease hydraulic spindle achieves an average pulling force of up to 15 tons, thus guaranteeing an easy and controlled pulling off of particularly stubborn parts with minimal effort. For extraction processes with a pulling force of up to 10 tons and/or in tight space conditions, the mechanical spindle can be used.

Benefits

- Low effort for high pulling performance
- The reach can be easily adjusted using a spring mechanism.
- The bund of the spindle neck prevents the slipping of the key.

Technical attributes

#								
	EAN	mm/inch	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	SW mm/inch	kg/lb
129-3-H	-803253	31 1 1/4	70 2 3/4	40 29.50	100	10 11.02		4,16 9,173
129-4-H	-803666	40 1 9/16	85 3 3/8	70 51.63	150	15 16.53	19 3/4	4,175 9,206

PRODUCT DETAILS

SERIES 135
SEPARATOR



The fork separators of series 135 are used for loosening ball pivot joints that are wedged in the cone seat, for loosening steering levers, for disassembling shock absorbers, and for other separation work of all kinds in automotive and industry. Their universal applicability makes the fork separators an important companion for disassembly and separation tasks.



Benefits

- The set includes sizes with various arm openings for use in every case.

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
135-1	-024856	310 12 3/16	18 11/16	0,74 1,632
135-2	-024931	316 12 7/16	23 7/8	0,8 1,764
135-3	-025013	319 12 9/16	29 1 1/8	0,815 1,797
135-4	-025198	335 13 3/16	39 1 9/16	1,465 3,230
135-5	-220531	340 13 3/8	45 1 3/4	1,28 2,822



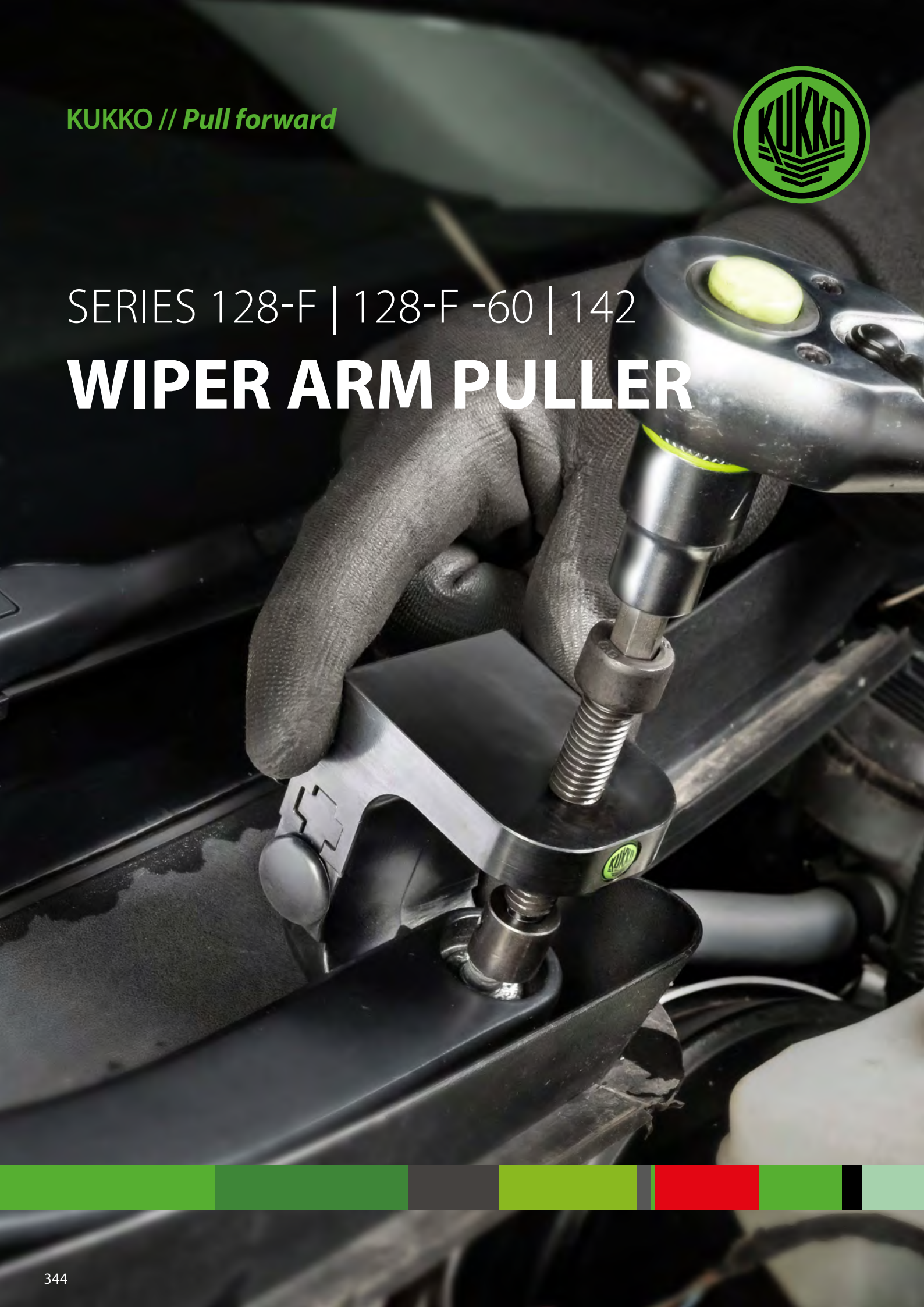
The separating fork 135-2 when releasing a ball joint wedged into the cone seat of a car

KUKKO // *Pull forward*



SERIES 128-F | 128-F -60 | 142

WIPER ARM PULLER



DEPLOYMENT

Bent or broken wiper arms must be replaced quickly in order to free the windshield and rear window from rain, snow, and dirt. In general, the wiper arms are very tight and cannot be loosened without special tools. KUKKO pullers are the ideal choice for dismantling particularly seized or rusted windshield wiper arms.



Benefits

- Gentle removal thanks to special pressure piece on the spindle
- Adjustable spread using a spring mechanism (series 128-F-60)
- Suitable for windshields and rear windows where the water hose goes through the hub (series 128-F-60)

ASSEMBLY

ART. NO. 128-F-SW



ART. NO. 128-F-60



FEATURES OF THE SERIES

SERIES 128-F-SW



128-F-SW

The universal wiper puller can be used on 80% of all vehicle models. The specially designed pressure piece protects the wiper fluid hose during the extraction process.

SERIES 142



142-2

The models of series 142 are adapted to the aerodynamic and safety-related developments of the automotive industry. Due to the increasingly tight spatial conditions, the spindle can be adjusted in angle and length.

SERIES 128-F-60



128-F-60

The puller arm extractor with adjustable spread (16-38 mm) can be used universally. Thanks to the spring mechanism, the hooks are optimally positioned. A special benefit is the interchangeable hooks.

APPLICATION EXAMPLES



Removing a wiper arm with the 128-F-SW



Removing a wiper arm with the 128-F-60

PRODUCT DETAILS

SERIES 128-F
2-ARM UNIVERSAL WIPER PULLER



The 2-arm universal wiper puller is used for removing stuck, rusted, and deeply set wiper arms on windshields and rear windows. The pressure piece on the spindle ensures the perfect contact surface and guarantees a gentle removal.



Benefits

- Gentle removal thanks to special pressure piece on the spindle
- Anti-slip safety (spindle neck) at the spindle head for safe work with the wrench.
- Spindle outlet to protect the thread

Technical attributes

#						Included in the set
	EAN	mm/inch	mm/inch	mm/inch	kg/lb	
128-F-SW	-971242	25 - 60 1 - 2 3/8	50 1 15/16	13 1/2	0,245 0,540	K-142/4, K-142/6

SERIES 128-F-60
2-ARM UNIVERSAL WIPER PULLER



The universal wiper pullers with adjustable spread of series 128-F-60 are used for removing stuck, rusted, and deeply mounted wiper arms in the automotive industry. The returning spring mechanism keeps the arms under tension. Thanks to interchangeable arms, the puller can also be used on low-mounted wiper arms.

Benefits

- Suitable for windshields and rear windows where the wiper water hose passes through the hub.
- The choice of special threads allows for particularly high pulling forces.
- Particularly gentle removal thanks to a special pressure piece on the spindle
- Adjustable span using spring mechanism

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
128-F-60	-007071	16 - 38 5/8 1 1/2	13 1/2	0 0,000

PRODUCT DETAILS

SERIES 142 UNIVERSAL WIPER PULLER



The universal pullers of series 142 are used for removing stuck, rusted, and recessed windshield wiper arms in the automotive sector. The optimal bell shape and easy adjustability make the puller applicable for most models of common windshield wiper arms.

Benefits

- Suitable for windshields and rear windows where the wiper water hose passes through the hub.
- The choice of special threads allows for particularly high pulling forces.
- Particularly gentle removal thanks to a special pressure piece on the spindle
- Anti-slip safety (spindle neck) for safe working with wrench

Technical attributes

#	EAN	mm/inch	mm/inch	kg/lb	Included in the set
142-1	-555572	15 9/16	8 5/16	0,245 0,540	K-142/4, K-142/6, K-22-A
142-2	-555602	23,5 15/16	8 5/16	0,26 0,573	K-142/6, K-22-A
142-3	-555619	15 9/16	8 5/16	0,225 0,496	K-142/6, K-22-A
142-4	-555626	26,5 1 1/32	16 5/8	0,215 0,474	K-142/4, K-142/6, K-22-A

SERIES K-142 5-PIECE UNIVERSAL WIPER PULLER SET



The 5-piece Universal Wiper Puller Set K-142/4 is used to pull off stuck, rusted, and deeply installed wiper arms on all vehicle models. Included are the wiper pullers from series 142, as well as a wiper arm puller from series 128-F-SW and a 2-arm universal puller with self-centering puller arms from series 43. This set, due to its composition, is capable of gently and safely pulling even in tricky extraction situations without having to disassemble any additional parts.

Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Particularly gentle removal thanks to a special pressure piece on the spindle

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	kg/lb	Components
K-142/4	-039232	0 - 60 0 - 2 3/8	0 - 50 0 - 1 15/16	15, 26,5 9/16, 1 1/16	1,35 2,977	128-F-SW, 142-1, 142-4, 43-1

PRODUCT DETAILS

SERIES K-142
8-PIECE UNIVERSAL WIPER
PULLER SET



The 8-piece universal wiper puller set K-142/6 is used to remove firmly seated, rusted, and deeply mounted wiper arms on all vehicle models. Included are the wiper pullers from series 142, as well as a wiper arm puller from series 128-F-SW and a 2-arm universal puller with self-centering puller arms from series 43. Due to this combination, the set is capable of gently and safely pulling even in tricky extraction situations without the need to disassemble additional parts.



Benefits

- Application-oriented assembly for universal use
- By storing it in the box, the completeness of the set can be easily overviewed.
- Particularly gentle removal thanks to a special pressure piece on the spindle

Technical attributes

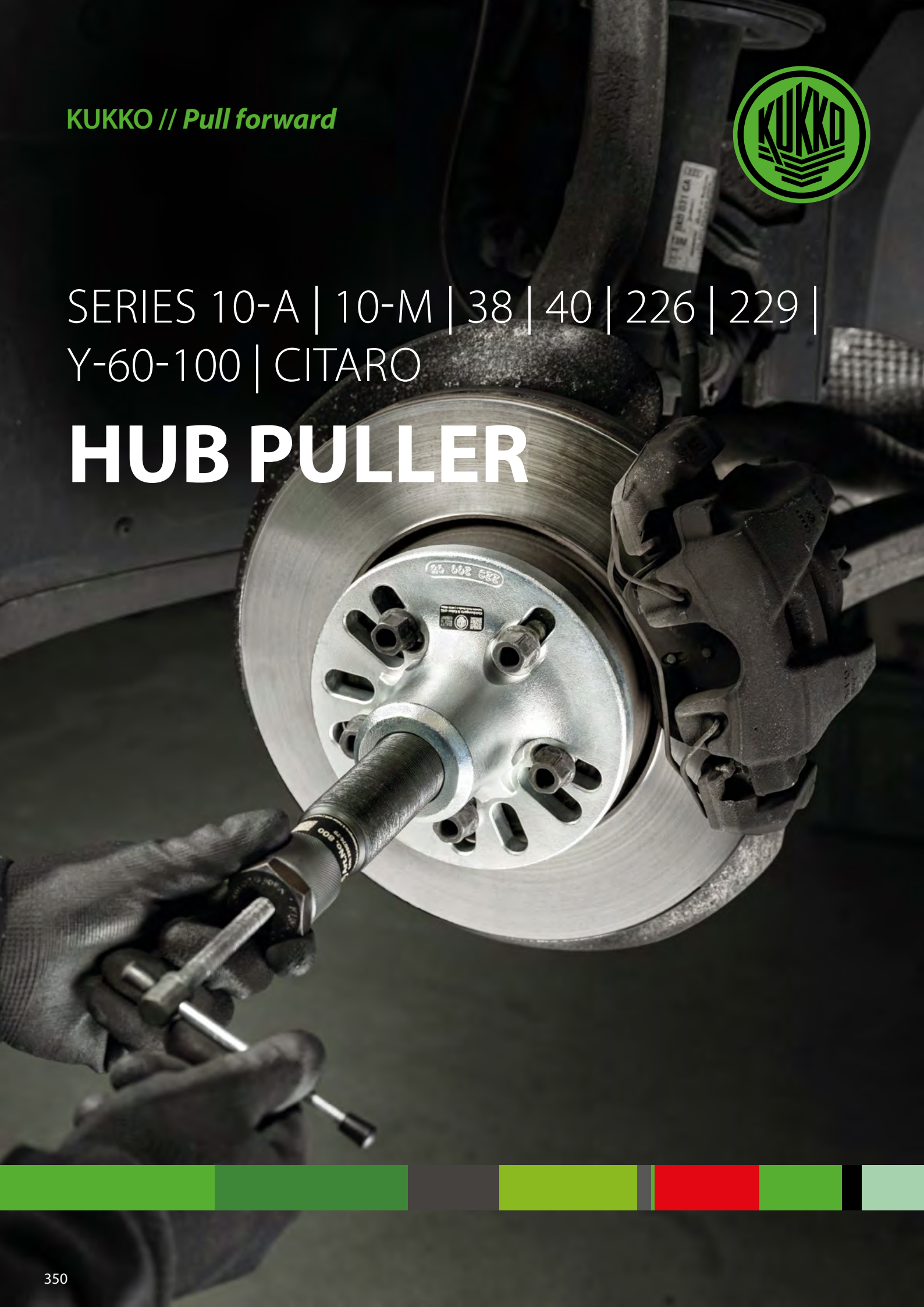
#	 EAN	 mm/inch	 mm/inch	 mm/inch	 kg/lb	Components
K-142/6	-039249	0 - 60 0 - 2 3/8	0 - 50 0 - 1 15/16	15, 15, 23,5, 56,5 9/16, 9/16, 15/16, 2 1/4	2,61 5,755	43-1, 128-F-SW, 142-1, 142-2, 142-3, 142-4

KUKKO // *Pull forward*



SERIES 10-A | 10-M | 38 | 40 | 226 | 229 |
Y-60-100 | CITARO

HUB PULLER

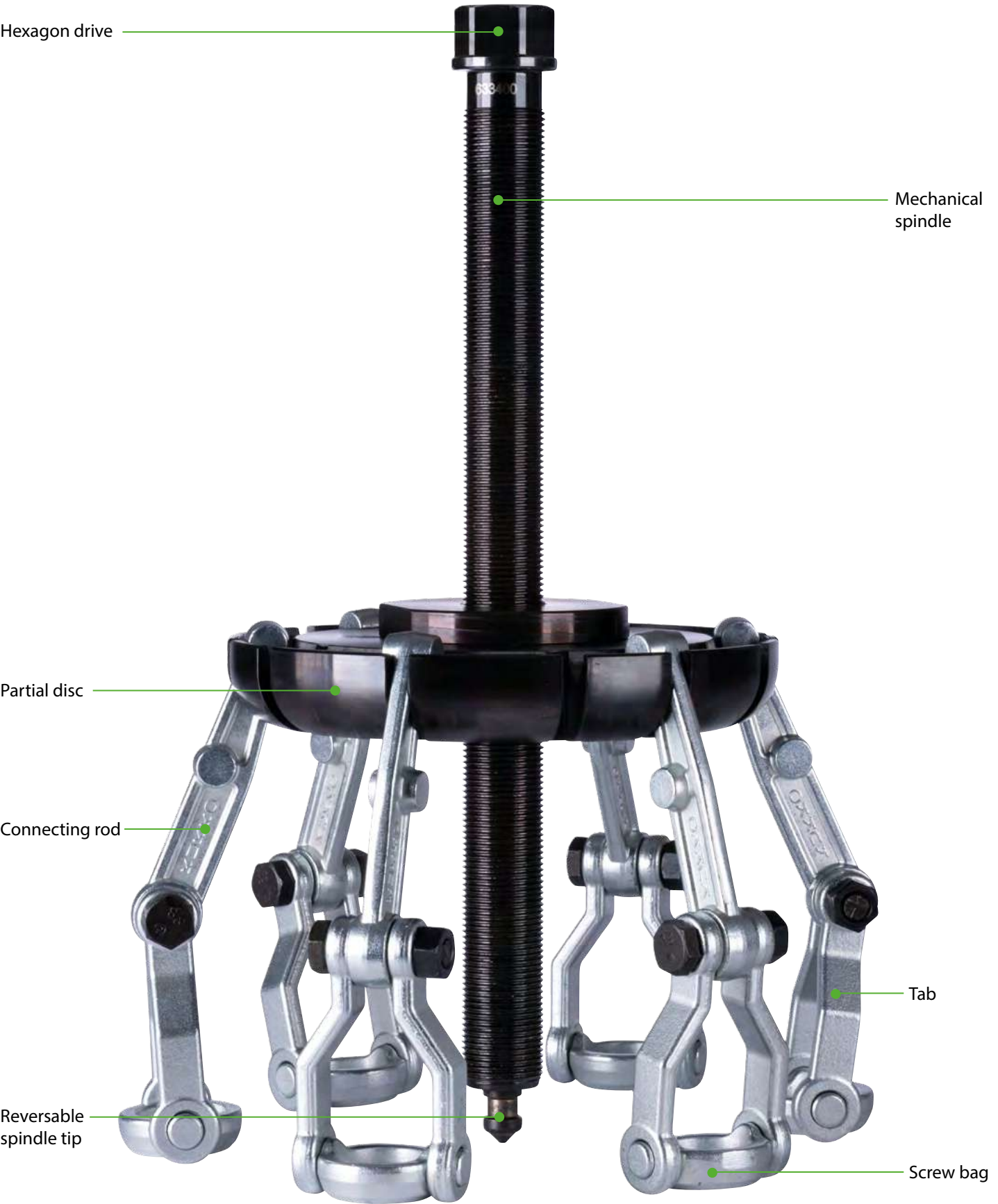


DEPLOYMENT

Wheel hubs are subjected to significant stresses. In motor vehicles, the wheel hub is mounted on the drive shaft in the center of the wheel. Special tools are required for the disassembly of the wheel hub. KUKKO offers various disassembly tools depending on the installation situation.



ASSEMBLY OF A HUB PULLER OF THE SERIES 10-M



ASSEMBLY OF A HUB PULLER OF SERIES 229



Impact stop

Sliding rod

Impact weight

Connecting piece

Flange

Washers



FEATURES OF THE SERIES

SERIES 10-A



The hydraulic hub puller is used for pulling hub assemblies on cars and trucks. The grease hydraulic spindle achieves a pulling force of 20 t. Up to six puller arms can be used on the partial disc, making the puller universally applicable. In addition, the puller arms can be adjusted to two different lengths.

SERIES 10-M



The hub puller with crossbar is used for pulling wheel hubs on trucks. Up to six puller arms can be hung in different positions on the crossbar. The arms can also be adjusted to two different lengths. This makes the puller universally usable even for variable bolt circle diameters.

SERIES 38



The hub puller with crossbar is used for removing wheel hubs on trucks. Up to five pulling arms can be hung on the crossbar, which are freely movable on the bar. This makes the puller universally applicable for different vehicle models. The freely movable T-handle on the spindle head guarantees manual tightening of the spindle in tight spaces.

SERIES 40



The hub puller with crossbar is used for pulling hubs on trucks. The spindle runs in a thread bush that is axially movable, in case impacts on the spindle head are required to loosen the hub. The freely movable T-handle on the spindle head ensures manual tightening of the spindle in confined spaces.

SERIES 226



The pulling device for truck axles of the series 226 is used for pulling wheel hubs on SAF and BPW axles for trucks and commercial vehicles in the automotive sector. In addition to the pulling device, several adapters are also included, allowing application on most common models.

SERIES 229



The hub puller with sliding hammer of series 229 is used for removing all 4- and 5-hole wheel hubs of almost all car types in automotive. The flange is designed with grooves of different spacing to accommodate standard screws. Also available with hydraulic spindle.



FEATURES OF THE SERIES

SERIES Y-60-000



The hydraulic wheel hub puller for commercial vehicles and low-floor buses is used for the safe and quick disassembly of the wheel hub on commercial vehicles and buses in the automotive sector. The bolt circle disc and the 30 t pressure cylinder are capable of loosening very tightly seated and difficult-to-remove wheel hubs.

SERIES CITARO



The hydraulic hub puller "Citaro" is used for pulling wheel hubs in the automotive industry. It perfectly loosens very tight, difficult-to-remove wheel hubs. The 30 t pressure cylinder allows for a time-saving and universal application, even with stubborn parts.

APPLICATION EXAMPLES



Attaching the puller to the wheel hub



The hub puller 229-1-1 with sliding hammer for extracting stuck wheel hubs on a passenger car.

PRODUCT DETAILS

SERIES 10-M
HUB PULLER



The hub puller with crossbar is used for pulling wheel hubs on trucks. Up to six puller arms can be hung in different positions on the crossbar. The arms can also be adjusted to two different lengths. This makes the puller universally applicable even with variable bolt circle diameters.



Benefits

- Preservation of wheel bolt threads by consistently flat-lying nut pockets
- Length-adjustable and individually positionable pulling arms as well as variously sized part discs ensure universal application on trucks.

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
10-M	-862311	350 13 3/4	150 5 7/8	36 1 7/16	450 331.92	150	15 16.53	16 35,280

SERIES 10-A
HYDRAULIC HUB PULLER SET



The hydraulic hub puller is used for pulling hub assemblies on passenger cars and trucks. The grease-hydraulic spindle achieves a pulling force of 20 t. Up to six pulling arms can be used on the partial disc, making the puller universally applicable. Additionally, the pulling arms can be adjusted to two different lengths. The 22-piece set includes: one partial disc, six pulling arms, twelve insert rings in different sizes, one hydraulic spindle, and two pressure pieces.

Benefits

- Adjustable and individually positionable arms guarantee universal application on cars and trucks.
- Thanks to the partial disc, different hole circles can be covered.
- Preservation of wheel bolt integrity through consistently flat-lying nut pockets.
- Fat hydraulic spindle guarantees easy and controlled removal of particularly stubborn 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
10-A	-005626	250 9 13/16	150 5 7/8	17 11/16	200	20 22.05	17,34 38,235
10-G	-005701	350 13 3/4	150 5 7/8		200	20 22.05	24,88 54,860

PRODUCT DETAILS

SERIES 38
HUB PULLER



The hub puller with crossbar is used for pulling hub assemblies on trucks. Up to five puller arms can be hung on the crossbar, which are freely movable on it. This makes the puller universally applicable for various vehicle models. The freely movable T-handle at the spindle head guarantees manual tightening of the spindle in tight spaces.

Benefits

- Preservation of wheel bolt threads by consistently flat-lying nut pockets
- Integrated, free-moving T-handle ensures manual spindle drive in tight spaces

Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
38	-014383	250 9 13/16	105 4 1/8	27 1 1/16	5,68 12,524

SERIES 40
HUB PULLER



The hub puller with the crossbar is used for pulling hubs from trucks. The spindle runs in a threaded bushing that is axially movable, in case impacts on the spindle head are necessary to loosen the hub. The freely movable T-handle on the spindle head ensures manual tightening of the spindle in tight spaces.

Benefits

- Preservation of wheel bolt threads by consistently flat-lying nut pockets
- Integrated, free-moving T-handle ensures manual spindle drive in tight spaces

Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
40-3	-014611	225 8 7/8	150 5 7/8	27 1 1/16	4,51 9,945
40-5	-014956	225 8 7/8	150 5 7/8	27 1 1/16	5,44 11,995

PRODUCT DETAILS

SERIES 229-1-1
HUB PULLER WITH SLIDING HAMMER



The hub puller with sliding hammer of series 229 is used to extract all 4- and 5-hole hubs of almost all types of passenger cars in automotive applications. The flange is designed with slots of varying spacing to accommodate standard screws.



Benefits

- Also suitable for pressing drive shafts in vehicles with front-wheel drive.
- The hub puller is suitable for removing all 4- and 5-hole hubs on VW, Audi, Seat, Skoda, Opel, Volvo, Fiat, Renault, etc.
- The reducer can be screwed in to work with a mechanical spindle.

Technical attributes

#						
	EAN	mm/inch	mm/inch	mm/inch	kg	kg/lb
229-1-1	-283703	97 - 145 3 13/16-5 11/16	370 14 9/16	250 9 13/16	1.7	12,02 26,504

SERIES 229-1-2
HUB PULLER WITH SLIDING HAMMER



The hub puller with sliding hammer of series 229 is used to extract all 4- and 5-hole hubs of almost all types of passenger cars in automotive applications. The flange is designed with slots of varying spacing to accommodate standard screws.

Benefits

- Also suitable for pressing drive shafts in vehicles with front-wheel drive.
- The hub puller is suitable for removing all 4- and 5-hole hubs on VW, Audi, Seat, Skoda, Opel, Volvo, Fiat, Renault, etc.
- The reducer can be screwed in to work with a mechanical spindle.

Technical attributes

#						
	EAN	mm/inch	mm/inch	mm/inch	kg	kg/lb
229-1-2	-545733	97 - 145 3 13/16-5 11/16	700 27 9/16	340 13 3/8	5	11,29 24,894

PRODUCT DETAILS

SERIES 229 HYDRAULIC HUB PULLER



The hydraulic hub puller of the series 229 is used for removing all 4- and 5-hole hubs of almost all car types in automotive and industry. The flange is designed with slots of different spacings to accommodate commercially available screws.

Benefits

- Also suitable for pressing drive shafts in vehicles with front-wheel drive.
- The hub puller is suitable for pulling all 4- and 5-hole wheel hubs on VW, Audi, Seat, Skoda, Opel, Volvo, Fiat, Renault etc.
- The reducer can be screwed in to work with a mechanical spindle.

Technical attributes

#	EAN	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb
229-2	-995026	97 - 145 3 13/16-5 11/16	40 29.50	100	10 11.02	4,665 10,286
229-3	-995033	97 - 145 3 13/16-5 11/16	70 51.63	150	15 16.53	4,735 10,441

SERIES 226 PULLER DEVICE FOR TRUCK AXLES



The pulling device for truck axles of the series 226 is used for pulling wheel hubs on SAF and BPW axles for trucks and commercial vehicles in the automotive industry. In addition to the pulling device, several adapters are included, which allow application on most common models.

Benefits

- Printing pieces and extensions are already included in the set and expand the application.

Technical attributes

#	EAN	mm/inch	mm/inch	mm/inch	nominal dimension	mm/inch	Nm/ft lb	Max. tensile force kN	Max. tractive force t/US t. sh.	kg/lb	Included in the set
226-4/11	-831362	115 - 380 4 1/2 - 14 15/16	370 14 9/16	90x30, 110x30mm 3 9/16x1 3/16, 4 5/16x1 3/16	M18x1,5, M20x1,5, M22x1,5	36 1 7/16	450 331.92	150	15 16.53	22,09 48,708	K-226-4/12

PRODUCT DETAILS

SERIES Y-60-000 HYDRAULIC HUB PULLER FOR COMMERCIAL VEHICLES AND LOW-FLOOR BUSES



The hydraulic hub puller for commercial vehicles and low-floor buses is used for the safe and quick disassembly of the wheel hub in commercial vehicles and buses in the automotive industry. The bolt circle plate and the 30 t pressure cylinder are capable of loosening very tight and difficult-to-remove wheel hubs.



Benefits

- The hole circle disc with various radii and drill diameters allows for use with a variety of models.
- By storing it in the box, the completeness of the set can be easily overviewed.
- The pulling process protects the hub bearings and removes them quickly and without damage.

Technical attributes

#	 EAN	 mm/inch	 bar	 M16x1,5, M18x1,5, M20x1,5	Max. tensile force kN	Max. tractive force t/US t. sh.	 kg/lb
Y-60-100	-356780	168,184,190 6 5/8, 7 1/4, 7 1/2	700	M16x1,5, M18x1,5, M20x1,5	300	30 33.07	37 81,585
Y-60-200 NEW	-104060	225, 275, 335 8 7/8, 10 13/16, 13 3/16	700	M22 x 1,5	300	30 33.07	37 81,585

SERIES CITARO HYDRAULIC WHEEL HUB PULLER "CITARO"



The hydraulic hub puller "Citaro" is used for pulling wheel hubs in the automotive industry. It allows for the perfect loosening of very stuck, difficult-to-remove wheel hubs. The 30 t pressure cylinder enables a time-saving and versatile application, even with stubborn parts.

Benefits

- For quick and easy positioning on the vehicle, the work unit is pivotable and pre-adjustable.
- The lever actuation allows ergonomic operation from the work area thanks to 360° swivel capability.
- The overload protection and the lowering device with easily accessible rotary valve reduces the risk of injury.
- Thanks to the 4 swivel casters and easy adjustability, it can be used mobility at any time.

Technical attributes

#	 EAN	 bar	 M16x1,5, M18x1,5, M20x1,5	Max. tensile force kN	Max. tractive force t/US t. sh.	Usage	 kg/lb
YHU-S-Citaro	-060137	700	M16x1,5, M18x1,5, M20x1,5	300	30 33.07	Achse ZF A, B und C (Typ AV132) RL 75 E, RL 75 EC	200 441,000

KUKKO // *Pull forward*



SERIES 31 | 32 | 33 | 34

STEERING WHEEL PULLERS



DEPLOYMENT

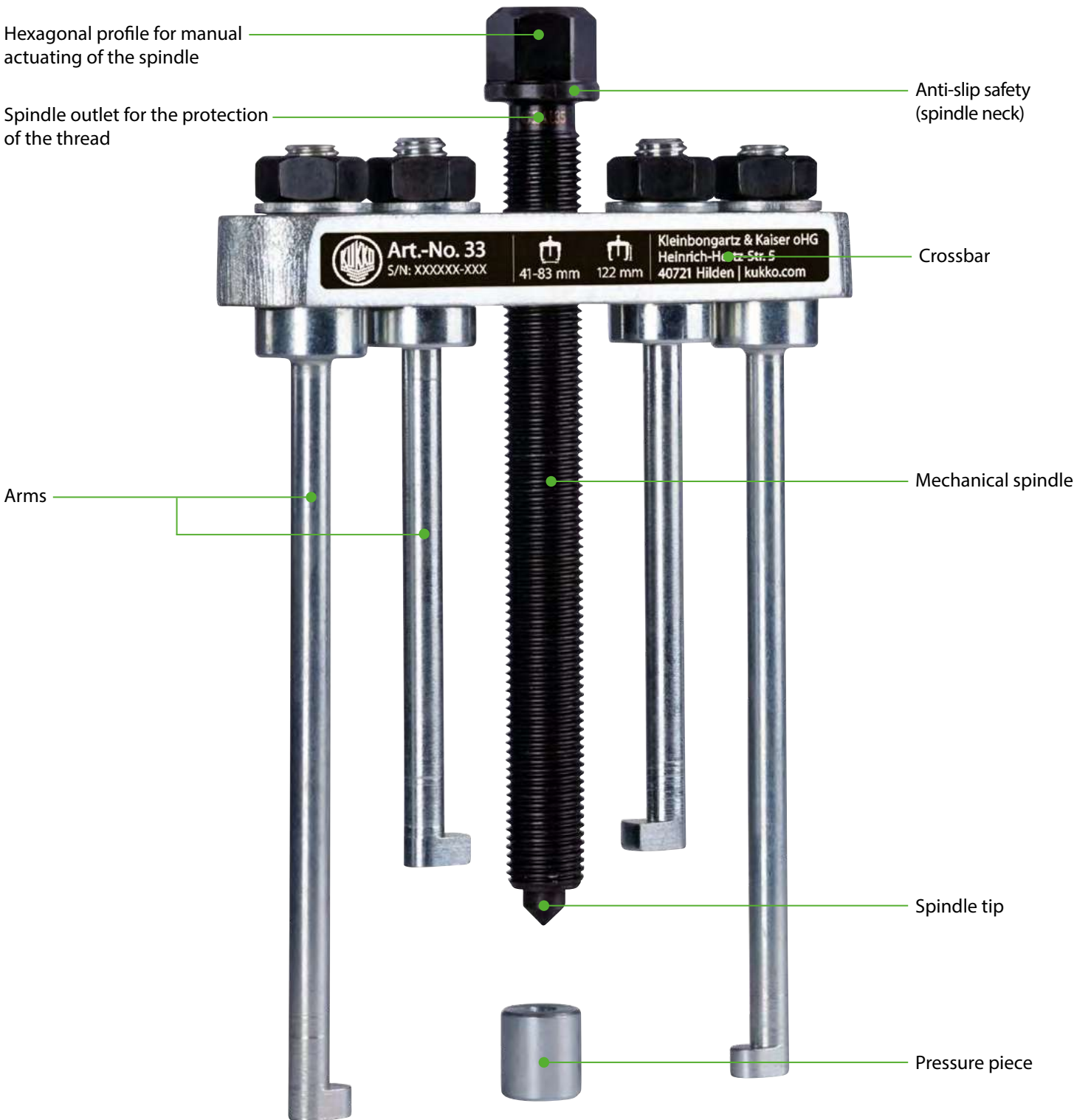
With the steering wheel pullers from KUKKO, steering wheels are professionally and material-friendly removed. The special hook shape is also suitable for pulling difficult-to-reach components. Depending on the vehicle model and installation situation, KUKKO offers various steering wheel pullers in its range. The selection ranges from pullers for steering wheels with three or four spokes to pullers for sport steering wheels.



Benefits

- Universally applicable thanks to various sizes of insert rings (series 31)
- Universally applicable thanks to various sizes of pull rings (series 32)
- Universally applicable for a variety of steering wheel types thanks to different lengths of arms (series 33)
- Separate protective cap for the steering spindle thread is included (series 33 and 34)

ASSEMBLY OF A STEERING WHEEL PULLER





SERIES 31

Steering wheel puller



31-1

The universal steering wheel puller is used for gently removing steering wheels in various designs. The particularly powerful design of the puller withstands even the strongest loads.

SERIES 32

Steering wheel puller



32-1

The steering wheel puller is used for gentle removal of steering wheels with three or four spokes. The particularly powerful design of the puller withstands even the greatest loads.

SERIES 33

2-arm steering wheel puller



33

The 2-arm puller is used for pulling steering wheels with narrow pull slots. The two short arms are ideally suited for sport steering wheels. The long arms come into play with standard steering wheels. Due to their construction, the arms are adjustable in every direction.

SERIES 34

2-arm steering wheel puller



34-1

The 2-arm puller is used for removing steering wheels with large pull slots. The variant 34-0 is equipped with a pair of short arms. The model 34-1 has an additional pair of long arms. Due to their construction, the arms are adjustable in every direction.

PRODUCT DETAILS

SERIES 31 STEERING WHEEL PULLER



Technical attributes

#			SW 	
	EAN	mm/inch	mm/inch	kg/lb
31-1	-013881	30 - 60 1 3/16 2 3/8	22 7/8	5,9 13,010
31-2	-013966	80 - 90 3 1/8 3 9/16	22 7/8	4,86 10,716

The universally applicable steering wheel puller is used for gentle removal of steering wheels in various designs. The particularly powerful design of the puller withstands even the strongest loads.

Benefits

- Universally applicable thanks to various sizes of insert rings
- Safe setup of the spindle through a swiveling spindle tip on both smooth surfaces and during centering (Switch Technology)



SERIES 32 STEERING WHEEL PULLER



Technical attributes

#				SW 	
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
32-1	-014048	53 - 92 2 1/16 - 3 5/8	100 3 7/8	17 11/16	1,56 3,440
32-2	-014123	53 - 92 2 1/16 - 3 5/8	120 4 3/4	19 3/4	2,325 5,127

The steering wheel puller is used for gentle removal of steering wheels with three or four spokes. The particularly strong design of the puller withstands even the highest loads.

Benefits

- The rubber coating on the pulling ring provides protection for the steering wheel and spokes during the extraction process.
- Universally applicable thanks to variously sized pull rings
- Secure mounting of the spindle with a swivel spindle tip on both smooth surfaces and during centering (Switch Technology)

SERIES 33 STEERING WHEEL PULLER



Technical attributes

#				SW 	
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
33	-014208	41 - 83 1 5/8 - 3 1/4	122 3 1/2 5 1/8	17 11/16	0,745 1,643

The 2-arms steering wheel puller is used to pull off steering wheels with narrow puller slots. The two short puller legs are ideal for sports steering wheels. The long puller legs are used for standard steering wheels. Due to their design, the legs can be adjusted in any direction. Thanks to the slim design of the puller, it is possible to reach into narrow puller slots to remove the steering wheel or other hard-to-reach components.

Benefits

- Anti-slip safety at the spindle head for safe working with wrench.
- Spindle outlet to protect the thread
- Universally applicable for a variety of steering wheel types thanks to different lengths of arms.
- A separate protective cap for the steering column thread is included.

SERIES 34 STEERING WHEEL PULLER



Technical attributes

#				SW 	
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
34-0	-865879	28 - 90 1 1/8 - 3 9/16	85 3 3/8	17 11/16	0,68 1,499
34-1	-865886	28 - 90 1 1/8 - 3 9/16	85 3 3/8	17 11/16	0,96 2,117

The 2-arm steering wheel puller is used to pull off steering wheels with large puller slots and hard-to-reach components. The 34-0 model is equipped with a pair of short puller legs. The 34-1 model has an additional pair of long puller legs. Due to their design, the legs can be adjusted in any direction. Thanks to the sturdy design of the puller, it is possible to reach into large puller slots to reach the steering wheel.

Benefits

- Anti-slip safety (spindle neck) at the spindle head for safe working with wrench
- Spindle outlet to protect the thread
- Separate protective cap for the steering shaft thread is attached

KUKKO // *Pull forward*



SERIES 118

PULLER FOR CAMSHAFT GEARS



DEPLOYMENT

The pullers for camshaft wheels of series 118 are equipped with sliding, always parallel puller arms and are used for pulling spoke camshaft wheels in automotive workshops. Thanks to the four special puller arms, particularly safe, non-destructive disassembly is guaranteed. Usable up to a maximum span of 115 mm and a maximum reach of 43 mm.



Benefits

- Special puller arms for ideal adaptation to camshaft gears
- Anti-slip safety (spindle neck) at the spindle head for safe working with wrench.
- Spindle exit to protect the thread

ASSEMBLY OF A PULLER FOR CAMSHAFT GEARS



APPLICATION EXAMPLES



SERIES 118
PULLER FOR CAMSHAFT GEARS



The camshaft puller with sliding, always parallel puller arms is used for pulling spoke camshaft wheels in the automotive workshop. Equipped with four special puller arms, the external puller guarantees particularly safe, non-destructive disassembly.

Benefits

- Special puller arms for ideal fitting on camshaft gears
- Anti-slip safety (spindle neck) at the spindle head for safe work 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
118-0	-860904	28 - 115 1 1/8 - 4 1/2	43 1 11/16	17 11/16	35 25.82	20	2 2.20	1,26 2,778
118-1	-989636	42 - 115 1 5/8 - 4 1/2	43 1 11/16	17 11/16	35 25.82	20	2 2.20	1,28 2,822



KUKKO // *Pull forward*



BAUREIHE 16

CYLINDER BUSH EXTRACTOR



DEPLOYMENT

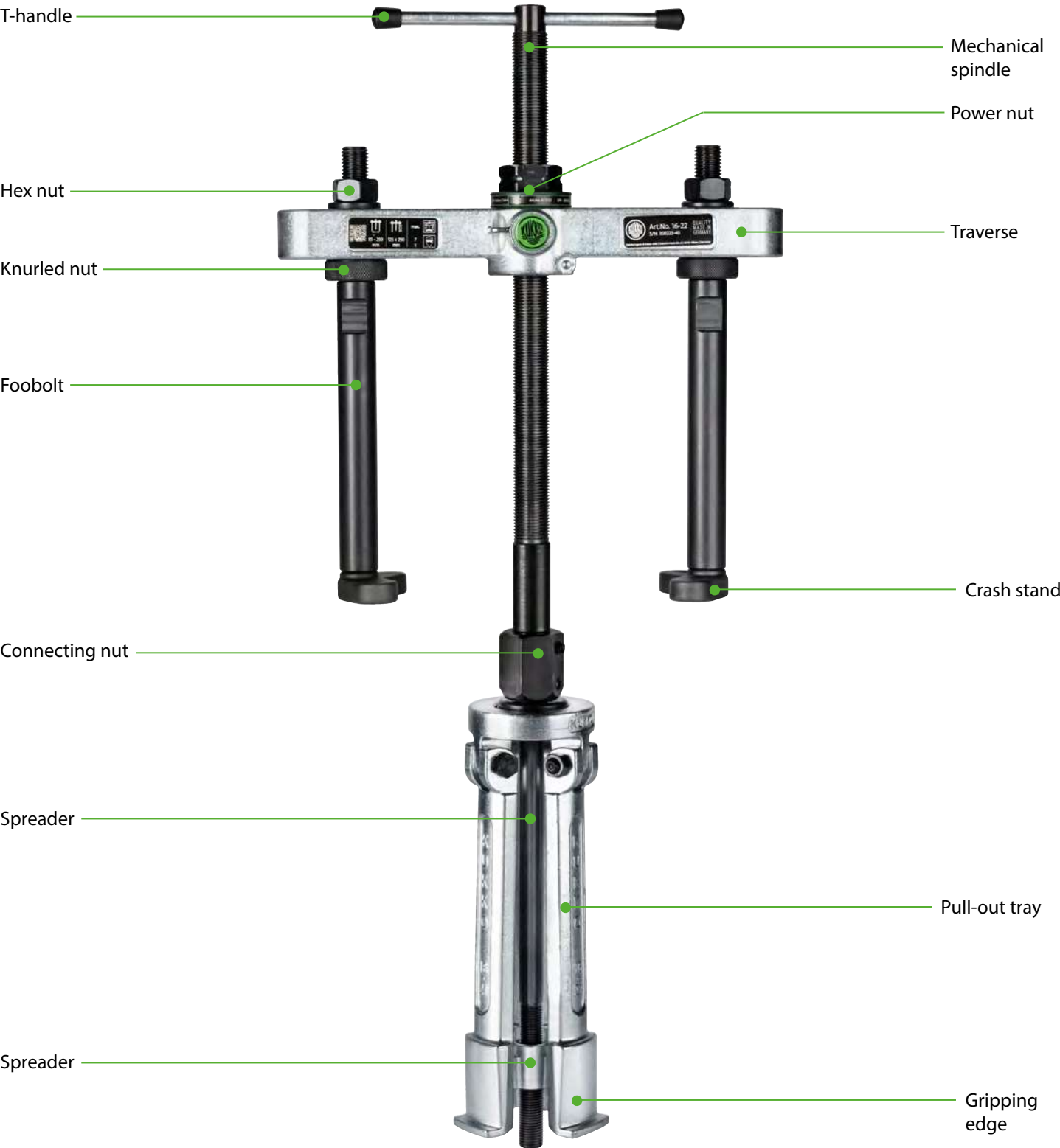
Cylinder sleeves protect the engine block from wear. As wear parts, the sleeves must be replaced over time. For removing wet cylinder liners as well as similar components in trucks, cars, and stationary engines, KUKKO recommends the series 16. The combination of internal puller and counter stay guarantees a powerful and gentle extraction. Furthermore, the integrated Power Nut enables energy-saving work without significant friction loss.



Benefits

- The mechanical spindle allows for safe and fast extraction of bearings even when they are tightly seated on the back wall.
- The friction resistance of the counter stay nut is minimized by a built-in pressure bearing.
- The pullers are suitable for large cylinder sleeves and bearings.
- The foot bolts provide a particularly firm grip when pulling off.

ASSEMBLY OF A CYLINDER PULLER



ASSORTMENT OVERVIEW

Internal extractor



Spreading range of 60 - 155 mm



(View from below)

16-21

Counter supports



16-22



16-23

Cylinder liner extractor



16



16-2

SETS



K-16-A



K-16-B

The suitcase sets of the K-16-A series with 2-arm crossbar and K-16-B with multi-crossbar include an application-oriented assembly for immediate and universal use in cylinder bush extraction.

FEATURES OF THE COUNTER STAYS 16-23

MULTI-TRAVERSE



The new Multi-Traverse of the series 68 offers space for up to four foot bolts. This guarantees a larger contact area and consequently a more uniform distribution of forces.

FINE ADJUSTMENT SCALE



Above the crossbar, there is a scale with various numerical values. This adjustment aid ensures that the foot bolts can be adjusted at equal intervals to pull out with the same load.

SCREW CONNECTION



The knob impresses with its particularly stable construction and large contact area. The knurling ensures easy and powerful operation of the knob.

POWER NUT



The Power Nut by KUKKO guarantees a more energy-saving clamping of tools and workpieces as well as drive without significant friction loss.





EXTENSION OF THE FOOT BOLTS:

The suitcase sets K-16-A and K-16-B contain 2 or 3 extensions for the foot bolts. To increase the reach, simply screw the extensions onto the foot bolts.



EXTENSION OF THE SPINDLE:

The translation is: "When disassembling particularly deeply seated components, the spindle can be extended with a spindle extension."



APPLICATION EXAMPLES



A look inside when removing a cylinder sleeve



With three foot bolts on the multi traverse, you have an optimal stand during the extraction process with the cylinder bush puller 16-2.

SERIES 16 CYLINDER SLEEVES PULLER



The cylinder sleeves pullers of series 16 are used for pulling out wet cylinder liners in trucks, cars, as well as stationary engines and similar parts. Three spreading bodies guarantee optimal adjustment of the internal extractor to the respective application. Series 16 impresses with the integrated POWER NUT Technology in the crossbar, which allows for exerting force that would otherwise only be possible with hydraulic systems. The counter stay, with its support feet, is particularly well suited for large cylinder sleeves and ball bearings, etc., and ensures a firm stand during extraction. The knurled nut provides the crossbar with a large contact surface for uniform and powerful extraction.



Benefits

- Pullers are suitable for large cylinder sleeves and bearings and guarantee a firm stand when pulling out.
- Knurled nut provides a large contact area for even and powerful extraction.
- The Power Nut minimizes friction resistance while simultaneously allowing forces that can otherwise only be achieved with hydraulic spindles.
- The mechanical spindle allows bearings that are tightly seated on the rear wall to be safely and quickly extracted.

Technical attributes

#						Max. tensile force	Max. Tractive force		SW 		Included in the set
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	nominal dimension	mm/inch	kg/lb	
16-21	-251559		60 - 155 2 3/8 - 6 1/8	190 7 1/2	70 2 3/4	70	7 7.72	G 1/2	32 1 1/4	3,47 7,651	K-16-A, K-16-B
16-22	-251634	85 - 250 3 3/8 - 9 13/16				70	7 7.72	G 1/2	32 1 1/4	4,325 9,537	K-16-A
16-23	-060731	85 - 250 3 3/8 - 9 13/16				70	7 7.72	G 1/2	32 1 1/4	5,96 13,142	K-16-B
16	-008023	85 - 250 3 3/8 - 9 13/16	60 - 155 2 3/8 - 6 1/8	120 4 3/4	70 2 3/4	70	7 7.72	G 1/2	32 1 1/4	7,6 16,758	K-16-A
16-2	-060717	85 - 250 3 3/8 - 9 13/16	60 - 155 2 3/8 - 6 1/8	120 4 3/4	70 2 3/4	70	7 7.72	G 1/2	32 1 1/4	0 0,000	K-16-B

PRODUCT DETAILS

K-16-A 10-PART CYLINDER SLEEVE PULLER SET



The 10-piece Cylinder Sleeve Puller Set K-16-A is used to extract wet cylinder sleeves from trucks, cars, as well as stationary engines and similar parts. Three spreading bodies ensure an optimal fit of the internal extractor for the respective application. The K-16 series impresses with its integrated POWER NUT Technology in the crossbar, which allows for a force that would otherwise only be achieved with hydraulic systems. The counter stay is particularly well suited for large cylinder sleeves and ball bearings, etc., ensuring a firm stand during extraction. The knurled nut provides the crossbar with a large surface area for uniform and powerful extraction.

Benefits

- Knurled nut provides a large contact area for even and powerful extraction
- The Power Nut minimizes friction resistance while simultaneously allowing forces that can otherwise only be achieved with hydraulic spindles.
- The mechanical spindle allows bearings that are tightly seated on the rear wall to be safely and quickly extracted.

Technical attributes

#				Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
K-16-A	-711664	60 - 155 2 3/8 - 6 1/8	85 - 250 3 3/8 - 9 13/16	70	7 7.72	11,76 25,931	16-21, 16-22, 16-22-V, 19-7-P

K-16-B 12-PIECE CYLINDER BUSHING EXTRACTOR SET



The 12-piece cylinder bushing puller set K-16-B is used for extracting wet cylinder liners in trucks, cars, as well as stationary engines and similar parts. Three spread bodies ensure an optimal fitting of the internal extractor to the respective application. The K-16 series convinces with the POWER NUT Technology integrated into the crossbar, which allows exerting effort that would otherwise only be possible with hydraulic systems. The counter stay, with its stopping feet, is particularly suitable for large cylinder bushings and ball bearings, ensuring a particularly firm position during extraction. The knurled nut provides a large support surface for the crossbar for a uniform and powerful extraction. The multi-crossbar allows for the attachment of up to four foot bolts for an even more uniform force distribution. For precise adjustment assistance, there is a scale with numerical values above the crossbar.

Benefits

- Knurled nut provides a large contact area for even and powerful extraction
- The Power Nut minimizes friction resistance while simultaneously allowing forces that can otherwise only be achieved with hydraulic spindles.
- The mechanical spindle allows bearings that are tightly seated on the rear wall to be safely and quickly extracted.

Technical attributes

#				Max. tensile force	Max. tractive force		Components
	EAN	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb	
K-16-B	-711671	60 - 155 2 3/8 - 6 1/8	85 - 250 3 3/8 - 9 13/16	70	7 7.72	13,82 30,473	16-21, 19-7-P, 16-23, 16-22-V

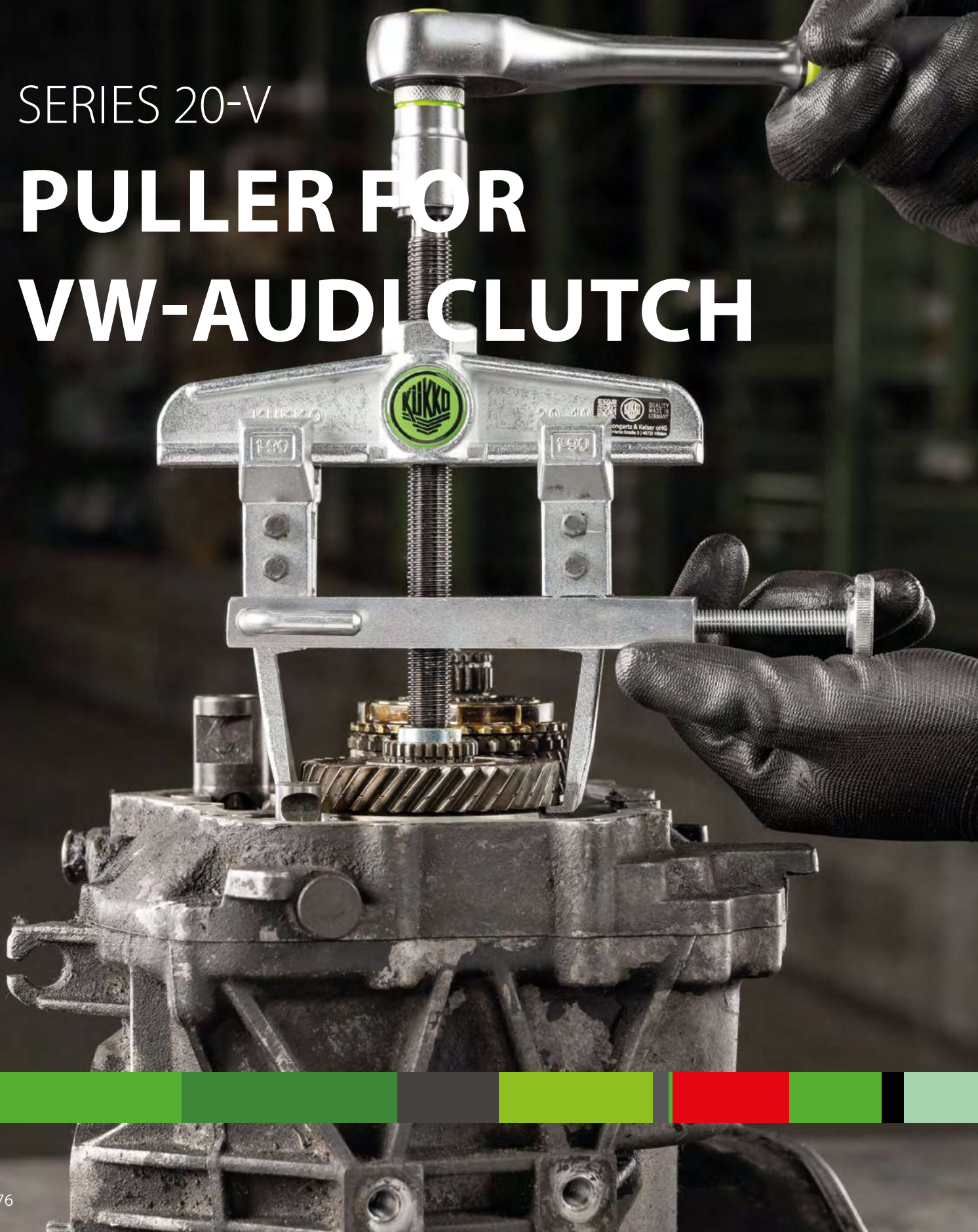


KUKKO // *Pull forward*



SERIES 20-V

PULLER FOR VW-AUDI CLUTCH



DEPLOYMENT

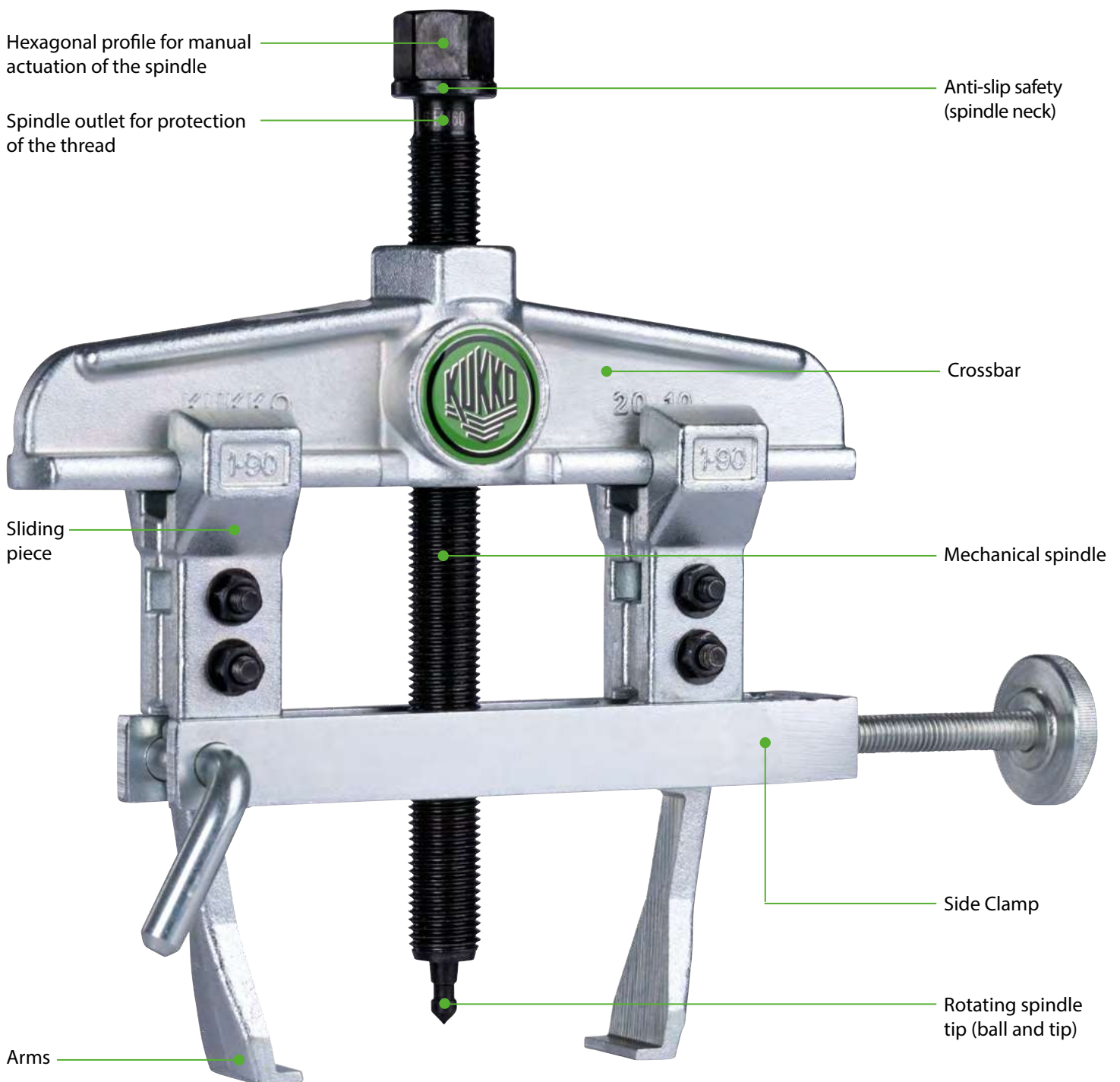
The 2-arm puller of series 20-V is used for extracting gearbox gears for the VW/Audi clutch-gear combination from model year 2007 onwards. With powerful, slender special hooks and a later fixable lateral clamping device, series 20-V is an ideal problem solver. Aside from models from VW and Audi, it is also suitable for many other gears and ball bearings where working with standard pullers is impossible.



Benefits

- Screw connection allows easy loosening and particularly tight fastening of the arms with an allen key
- Application also for eccentric components using freely movable puller arms sliding on the crossbar.
- Optimal adjustment of the spindle to the shaft through a 2-sided spindle tip (ball and tip)
- Hexagonal profile on the crossbar for safe counter-holding
- Anti-slip safety (spindle neck) at the spindle head for safe working with wrench.

ASSEMBLY





Removing a gear wheel with the 20-10-V



The clamp presses the arms against the part to be removed.



Detail view of the special hook shape

PRODUCT DETAILS

SERIES 20-V
2-ARM PULLER FOR GEAR
WHEELS FOR VW/AUDI CLUTCH-
TRANSMISSION COMBINATION



The 2-arm puller for gear wheels is used for removing gear wheels for the VW/Audi clutch-transmission combination from the year 2007 onwards in craft, workshop, and industry. With powerful, slim special hooks and a subsequently fixable lateral clamping device, the series 20-V is an ideal problem solver. Apart from models from VW and Audi, it is also usable for many other gears and ball bearings where work with standard pullers is impossible.



Benefits

- The screw connection allows for easy loosening and particularly tight fastening of the arms with an allen key
- Application also for eccentric components through freely movable, sliding puller arms on the crossbar.

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
20-10-V	-907944	0 - 120 0 - 4 3/4	100 3 15/16	17 11/16	80 59.01	45	4.5 4.96	1,59 3,506

KUKKO // *Pull forward*



OTHER AUTOMOTIVE TOOLS

PRODUCT DETAILS

SERIES K-226
15-PIECE PULLER DEVICE
FOR TRUCK AXLES IN CASE



The 15-piece puller for truck axles in the K-226 series case is used for pulling wheel hubs on SAF and BPW axles for trucks and commercial vehicles in the automotive industry. In addition to pullers, it also includes a hydraulic additional press and several adapters that allow application on most common models.



Benefits

- Printing pieces and extensions are already included in the set and expand the application.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 nominal dimension	Max. tensile force kN	Max. tractive force t/US t. sh.	 kg/lb	Components
K-226-4/12	-035753	336 13 1/4	116 - 380 4 9/16 - 14 15/16	M18x1,5, M20x1,5, M22x1,5	150	15 16.53	25,14 55,434	9-2, 18-4

SERIES 18-4SAF
7-PIECE PULLER SET IN METAL CASE
FOR SAF AXLES



The 7-piece puller set in the metal case for SAF axles of the series 18 is used for pulling axles on trucks in the automotive industry. The set is particularly suitable for SAF axles of the types SK9030 / 9037 / 9042 / 11030 / 11242 due to its composition of puller, extension, and adapter.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 nominal dimension	Max. tensile force kN	Max. tractive force t/US t. sh.	 kg/lb	Components
18-4SAF	-465246	535 21 1/16	116 - 380 4 9/16 - 14 15/16	36 1 7/16	M18 x 1,5	150	15 16.53	24,43 53,868	18-4, 15-4, 19-4-P

PRODUCT DETAILS

SERIES 102 PISTON PIN PRESS FOR ASSEMBLY AND DISASSEMBLY



The piston pin presses of the series 102 are used for the gentle insertion and extraction of piston pins in the automotive industry. The tool enables safe assembly and disassembly of piston pins via pressure pieces without damaging the piston in the process. Item 102-0 contains two additional pressure pieces, while 102-1 is designed for large piston ring diameters and includes three additional pressure pieces.

Benefits

- Damage-free work on the piston
- Customizable versatile application

Technical attributes

#	 EAN	Ø mm/inch	 kg/lb
102-0	-170874	38 1 1/2	0,17 0,375
102-1	-022791	100 3 15/16	1,335 2,944

SERIES 126 MONTAGE AND DISASSEMBLY TOOL FOR BRAKE CALIPERS, BRAKE PADS, BRAKE PISTONS, AND PULLEYS



The brake caliper tool assortment of series 126 is used for a quick and time-saving repair on brake calipers in the automotive sector. The assortment includes a piston retraction device, brake pad puller, brake piston retaining clip, brake piston pliers, brake caliper brush, and brake caliper file for general use in vehicle maintenance.

Benefits

- Different tools for different applications
- The set offers a complete compilation for universal repair.

Technical attributes

#	 EAN	 kg/lb
126-10	-534966	2,46 5,424
126-01	-496271	0,15 0,331
126-02	-496356	0,06 0,132
126-03	-496431	0,28 0,617
126-04	-534881	0,096 0,212
127	-492051	0,1 0,221

PRODUCT DETAILS

SERIES 126-15 BRAKE CALIPER TOOL



Art.No. 126-00



Art.No. 126-15

The brake piston resetter from the 126-15 series is used to reset pistons on 6-piston brake callipers in the automotive industry. The heavy-duty design of the resetter also enables the resetting of high-performance brake callipers from heavy or very powerful brake callipers. The brake piston resetter 126-15 is suitable for brakes with more than one brake cylinder (e.g. VW Touareg, Crafter, Ford Transit etc.).



Benefits

- Compatible with all common vehicle types without an integrated handbrake locking device.
- The puller is suitable for the following vehicles: Touareg, Phaeton, Porsche Cayenne, Audi A8, Q7, BMW M3, etc.



Technical attributes

#						
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
126-00	-487774	20 - 85 13/16 - 3 3/8	185 7 5/16		66 2 5/8	1,845 4,068
126-15	-018954	20 - 90 13/16 - 3 9/16	174 6 7/8	115 4 1/2	290 11 7/16	0 0,000

SERIES 123 EXTRACTOR LEVER FOR DISC BRAKE PADS



Art.No. 123



Art.No. 123-2

The extractor levers for brake pads of series 123 are used in the automotive industry to remove stuck brake shoes from the fixed caliper of disc brakes.

Benefits

- Simple application with high efficiency
- Article 123 is specifically designed for Mercedes models.

Technical attributes

#			
	EAN	mm/inch	kg/lb
123	-270789	400 15 3/4	0,595 1,312
123-2	-431586	400 15 3/4	0,505 1,114

PRODUCT DETAILS



124-K

2-ARM PULLEY PULLER SET

FOR ALL VEHICLE TYPES



The car pulley puller set for all vehicle types is used for removing multi-ribbed pulleys with a diameter of up to 195 mm in automotive applications. The 2-arm design allows for space-saving work, which functions in any position and even under full load, thanks to the parallel puller arms.

Benefits

- Universally applicable for most vehicle types
- The flange of the spindle neck prevents the slipping of the key.
- The included hook extensions allow adjustment to all given installation conditions.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 M10	 kg/lb
124-K	-736841	17 11/16	195 7 11/16	M10	2,52 5,557

SERIES 104

STRAP WRENCH FOR

OIL FILTER REMOVAL



The strap wrench of series 104 is a spare part used for oil filter removal in crafts, industry, and workshops. The strap can be tightened around the filter to disassemble it without causing damage using the handle.

Benefits

- The sturdy, non-slip fabric tape with rubberized grip ensures smooth disassembly.

Technical attributes

#	 EAN	 mm/inch	 kg/lb
104	-023606	180 7 1/16	0,26 0,573

PRODUCT DETAILS

SERIES 104-32
OIL FILTER WRENCH
WITH 32-LINK CHAIN



The oil filter wrench with a 32-link chain from the 104 series is a spare part used for the oil filter removal in crafts, industry, and workshops. The chain can be reliably tensioned to dismantle the oil filter without causing damage.



Technical attributes

#	 EAN	Ø	 mm/inch	 kg/lb
104-32	-790751	mm/inch 0-110 0-4 5/16	mm/inch 32 1 1/4	0,36 0,794

SERIES 105
OIL FILTER WRENCH



The oil filter wrenches of series 105 are spare parts used for loosening oil filters and other round screw connections in crafts, industry, and workshops. The variant 105-0 features a robust handle for quick use, while the variant 105-1 has a space-saving square drive for work even in the tightest of spaces.

Benefits

- The steel band is adjustable and universally applicable.

Technical attributes

#	 EAN	Ø	 kg/lb
105-0	-023866	mm/inch 70-110 2 3/4-4 5/16	0,33 0,728
105-1	-175749	70-110 2 3/4-4 5/16	0,22 0,485

PRODUCT DETAILS

SERIES 108 OIL FILTER CLAW KEY



The Oil Filter Claw Wrenches are spare parts used for loosening oil filters and other round fasteners in crafts, industry, and workshop. The extremely strong and durable oil filter claws are capable of safely and non-destructively removing even tightly stuck oil filters.

Benefits

- Universal use even in hard-to-reach places



Technical attributes

#		Ø				
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kg/lb
108-1	-760426	60-100 2 3/8-3 15/16	10 3/8	12,5 1/2	21 13/16	0,38 0,838
108-2	-965487	65-120 2 9/16-4 3/4	10 3/8	12,5 1/2	22 7/8	0,595 1,312
108-3	-967900	90-140 3 9/16-5 1/2	12,5 1/2	12,5 1/2		1 2,205

SERIES 204-44 UNIVERSAL STEERING ARM PULLER FOR MEDIUM AND HEAVY COMMERCIAL VEHICLES

The mechanical universal steering arm puller of series 204-44 is used for pulling steering arms on medium and heavy commercial vehicles. Its solid and stable design provides a variable solution for the robust yet safe removal of steering arms.

Benefits

- With increasing spindle pressure, the arms grip the part to be removed with an automatically increasing force.
- The special robustness makes the steering arm puller the ideal tool for working on trucks.



Technical attributes

#				SW	Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	kN	t/US t. sh.	kg/lb
204-44	-969539	60 - 90 2 3/8 - 3 9/16	70 2 3/4	24 15/16	10	1 1.10	1,725 3,804

PRODUCT DETAILS

SERIES 101-1 PISTON RING PLIERS



The piston ring pliers of the series 101 are used for spreading piston rings in crafts, industry, and workshops. The piston ring pliers are capable of spreading piston rings without damaging the original shape of the rings.



Benefits

- The design allows for the gentle and uniform pulling apart of piston rings.
- Through the pliers shape, the piston rings can be securely inserted.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb
101-1	-022531	200 7 7/8	50 - 100 1 15/16 - 3 15/16	0,25 0,551
101-2	-022616	240 9 7/16	90 - 150 3 9/16 - 5 7/8	0,4 0,882

SERIES W-133-M BRAKE CALIPER REMOVAL PLIERS



The W-133-M series brake caliper removal tool is used for the easy and damage-free removal of brake calipers in automotive applications. For professional brake maintenance, the removal tool is indispensable.

Benefits

- Flat and stable design
- Brake pistons can be removed without damaging parts.

Technical attributes

#	 EAN	 mm/inch	 kg/lb
W-133-M	-895447	19 - 46 3/4-1 13/16	0,22 0,485

SERIES 101-3 UNIVERSAL PISTON RING PLIERS



The universal piston ring placement pliers are used for the efficient installation of piston rings in the automotive industry. The placement pliers are capable of gently and problem-free mounting of piston rings without overstretching or causing any other damage. The pliers are handy and due to their lightweight adjustability, they are flexible for use with various piston rings.

Benefits

- The precise adjustment of the spread prevents the piston rings from overstretching or breaking
- Wear, oil loss or other damage to piston rings or cylinders are effectively prevented

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb
101-3	-974489	220 8 11/16	60 - 140 2 3/8 - 5 1/2	0,31 0,684

PRODUCT DETAILS

SERIES URANOS
MOBILE ENGINE CONDUCTOR
"URANOS"



The motor conductor "URANOS" is used for directing the angle during the installation and removal of engines, transmissions, and batteries of all kinds in industry and workshop. By operating the hand chain, the motor conductor can be universally and easily adjusted to ensure smooth operation on the engine. The self-locking worm gear and the 3-point suspension provide the necessary stability and safety.

Benefits

- The actuation of the hand chain can occur in all angular positions without impairment.
- The necessary tilt is securely held by the built-in, self-locking worm gear as soon as the operation of the hand chain ceases.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 kg	 kg/lb
W-3180	-318007	1.900 74 13/16	700 27 9/16	500 19 11/16	2.000	32 70,560
W-3188	-318809	1.245 49 1/64	500 19 11/16	345 13 9/16	500	11,85 26,129

SERIES W-6066
MOTOR MOUNTING BRACKETS



The motor mounting bracket of the W-6066 series is used for double-sided support of various engines in industry and workshop. It consists of 1 driven bearing mount, 1 counter bearing mount, 2 beams, 4 support arms, 4 clamping arms, and 2 connecting pipes, and is suitable for various engines thanks to interchangeable clamping arms.

Benefits

- Adaptation to many engines possible
- Highest productivity through simple and fast handling
- Continuous rotation of the motor by 360° is possible in both directions.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 mm/inch	 kg	 kg/lb
W-6066	-120785	1.950 76 3/4	900 35 7/16	1.070 42 1/8	667 26 1/4	1.200	450 992,250

PRODUCT DETAILS

SERIES W-6067 MOTOR MOUNTING BRACKETS



The motor assembly stand of the W-6067 series is used for one-sided support of various engines in industrial and workshop environments. It consists of 1 driven bearing block, 1 clamping rail with a disc, tabs, and screws, as well as 1 support arm and is suitable for different engines thanks to replaceable clamping arms.



Benefits

- Adaptation to many engines possible
- Highest productivity through simple and fast handling
- Continuous rotation of the motor by 360° is possible in both directions.

Technical attributes

#								
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg	kg/lb
W-6067	-120853	1.120 44 1/8	950 37 3/8	1.070 42 1/8	930 36 5/8	130 5 1/8	600	204 449,820

SERIES YHU MOBILE HYDRAULIC TRANSMISSION JACK "RHINO"



The hydraulic transmission jack RHINO is used for work on car and truck transmissions, clutches, and differentials. The two-axis swivel base plate with adjustable mounts and chains serves to align the pickups and tool universal mount up to 1.5 tons.

Benefits

- The lever actuation is swiveling 360° and removable, allowing for ergonomic operation from the work area.
- The overload protection and the lowering mechanism for controlled load lowering reduce the risk of injuries or damages.

Technical attributes

#							
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	kg	kg/lb
YHU-S	-060113	652 25 11/16	890 35 1/32	1.105 43 1/2	725 28 9/16	1.500	146 321,930

PRODUCT DETAILS

SERIES 65 SPRING COMPRESSORS



The universal spring compressors of series 65 are used for the removal and tensioning of coil springs in the automotive sector. Spring compressors are simple yet essential tools that allow for the safe removal and installation of springs and shock absorbers. The universal design makes it applicable for use on most vehicles.

Benefits

- The adjustable connecting bracket makes it easier to apply and tension even in hard-to-reach places.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	 kg/lb
65-0	-020636	260 10 1/4	110 - 180 4 5/16 - 7 1/16	100 - 200 3 15/16 - 7 7/8	27 1 1/16	20	2 2.20	3,02 6,659
65-1	-020711	360 14 3/16	110 - 180 4 5/16 - 7 1/16	100 - 300 3 15/16 - 11 13/16	27 1 1/16	20	2 2.20	3,295 7,265
65-2	-020896	460 18 1/8	110 - 180 4 5/16 - 7 1/16	100 - 400 3 15/16 - 15 3/4	27 1 1/16	20	2 2.20	3,615 7,971

SERIES 66 MACPHERSON SPRING COMPRESSOR



The "MacPherson" spring compressors of series 66 are used for removing and tensioning coil springs in automotive applications. Spring compressors are simple but essential tools that enable the safe removal and installation of springs and shock absorbers. The design "MacPherson" is also suitable for the heaviest springs.

Benefits

- The adjustable connecting bracket makes it easier to put on and tighten even in hard-to-reach places.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 mm/inch	Max. tensile force kN	Max. tractive force t/US t. sh.	 kg/lb
66-1	-020971	300 11 13/16	110 - 180 4 5/16 - 7 1/16	100 - 250 3 15/16 - 9 13/16	24 15/16	25	2.5 2.76	2,99 6,593
66-2	-170201	450 17 11/16	110 - 180 4 5/16 - 7 1/16	100 - 400 3 15/16 - 15 3/4	24 15/16	25	2.5 2.76	3,54 7,806
66-3	-170386	450 17 11/16	110 - 180 4 5/16 - 7 1/16	100 - 400 3 15/16 - 15 3/4	24 15/16	25	2.5 2.76	4,29 9,459

PRODUCT DETAILS

SERIES 100
PISTON RING CLAMPS



The piston ring tension bands of the series 100 are used to tension the piston rings during the installation of the pistons in the cylinders in automotive applications. The tension bands in various sizes are ideally suited for wide application in the automotive industry.



Benefits

- Simple application for the safe installation of pistons
- Easy operation with hex key

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb
100-1	-022203	57 - 125 2 1/4 - 4 15/16	80 3 1/8	0,285 0,628
100-2	-022388	90 - 175 3 9/16 - 6 7/8	80 3 1/8	0,32 0,706
100-3	-022463	90 - 175 3 9/16 - 6 7/8	165 6 1/2	0,595 1,312

SERIES 103-1
VALVE SPRING COMPRESSOR



The valve spring compressors of series 103 are used for the damage-free installation and removal of valves for overhead cam engines in the automotive industry. The compressors allow for a safe removal of valves by tensioning the valve spring.

Benefits

- Suitable for both installation and removal.
- Safe and gentle work on the engine

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb
103-1	-022876	290 11 7/16	60 - 230 2 3/8 - 9 1/16	1,21 2,668

PRODUCT DETAILS

SERIES 145 SPREADER FOR SUSPENSION AND STEERING PARTS



The spreaders for strut and steering components of series 145 are used for the safe and completely damage-free widening of the mountings of struts or steering parts from threads in the automotive and workshop industries. They are specifically designed for the gentle spreading of clamping fits on aluminum chassis. Especially in very tight and unclear spatial conditions, series 145 becomes an ideal problem solver due to its compact and handy design.

Benefits

- The installation and removal of the shock absorber is achieved in a single step and without additional effort.
- An accidental slipping of the tool is impossible due to the fastening on the cross or support arm.

Technical attributes

#				SW 	
	EAN	mm/inch		mm/inch	kg/lb
145-2	-123337	40 1 9/16	M10	13 1/2	0,245 0,540
145-3	-001420	50 1 15/16	M12	13 1/2	0,31 0,684

SERIES 48 ONE-HAND TENSIONING TERMINAL PULLER



The handy 2-arm puller with self-centering arms is used to remove battery terminals. It can loosen any component that sits on a shaft and is freely accessible from the outside. The narrow arms are suitable for tight, hard-to-reach spots. The freely movable pin on the T-handle ensures comfortable one-handed tightening of the spindle in confined spaces. The pulling process occurs in direct contact with the part to be tightened, thereby ensuring a controlled application of force.

Benefits

- Self-centering of the arms by manually tightening the spindle (Autogrip Technology)
- Integrated, freely movable pin on the T-handle ensures manual spindle drive in the tightest spaces
- Easy one-handed operation for flexible working
- The slim design of the arms 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
48	-170539	0 - 60 0 - 2 3/8	40 1 5/8	15	1.5 1.65	0,225 0,496

PRODUCT DETAILS

SERIES 204-V 2-ARM BEARING PULLER WITH SIDE CLAMP AND ADAPTER



The 2-arm bearing puller with lateral clamp is used for removing particularly stuck ball bearings, bearing rings, and workpieces. It can loosen any component that sits on a shaft and is freely accessible from the outside. The additionally included adapter fits all common axle holes. Thanks to the clamp, the pressing force of the puller arms is increased many times over. This prevents the puller from slipping. When the clamp is tightened, the sharp claws of the puller arms grip under the part to be removed and loosen it even before the actual removal process begins.



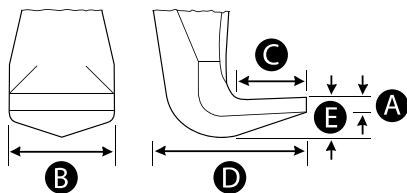
Benefits

- The lateral clamp ensures that the puller arms are pressed particularly firmly against the part to be pulled off.
- 2-fold exertion of force from above and the side ensures 100% secure grip
- The adapter fits all common axle holes such as VAG and other models.
- The slim design of the arms allows access to hard-to-reach areas.

Technical attributes

#						Max. tensile force	Max. tractive force	
	EAN	mm/inch	mm/inch	mm/inch	Nm/ft lb	kN	t/US t. sh.	kg/lb
204-V	-974533	26 - 90 1 5/8 - 3 5/8	100 3 7/8	22 7/8	75 55.32	40	4 4.41	2,75 6,064

SERIES 229-1 HOOK CLAW WITH SLIDING HAMMER



The sliding hammer with specially profiled hook of series 229 is used for loosening the control arm from the ball joint clamp and for bodywork in automotive and industry.

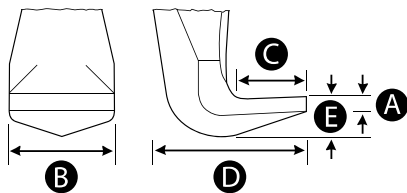
Benefits

- Specialized tool for safe and gentle disassembly

Technical attributes

#								
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg	kg/lb
229-1	-995002	25 1	40 1 9/16	85 3 3/8	700 27 9/16	340 13 3/8	5	12,095 26,669

SERIES 230-I PULLING TOOL FOR INJECTORS



The extraction tool for injectors of series 230-I is used for removing fuel injectors from diesel engines in cars during service and automotive applications. The ergonomically shaped, massive sliding piece of the sliding hammer allows optimal force transfer and achieves a strong shock effect. It also ensures contactless and gentle extraction.

Benefits

- The shape of the sliding piece allows for a high impact weight of the sliding hammer with simple application.
- The internal stop point prevents crushing and ensures a safe working process.

Technical attributes

#								
	EAN	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg	kg/lb
230-I	-977626	15 9/16	20 13/16	27 1 1/16	370 14 9/16	250 9 13/16	1.7	2,71 5,976





CUTTING & LOOSING

KUKKO offers the perfect solution for every application, whether for blasting stuck nuts, restoring screw connections, cutting discs, removing adhesive weights, producing seals, punching and stamping a wide variety of materials, removing broken parts or cleaning nozzles.

The cutting & loosening activity includes:

- Nut splitter
- Thread repair
- Thread files
- Disc cutters
- Soft scraper
- Iron handle hole
- Shears
- Screw punch
- Screw extractors
- Nozzle reamer sets



KUKKO // Pull forward



SERIES 54 | 55 | 56 | Y-57

NUT SPLITTERS



Art. No. 55-2
19 - 27 mm
Kleinbongartz & Kalser oHG
Heinrich-Hertz-Str. 5 | 40721 Hilden | Germany
SN: 365211-003
800-115396 - NUS

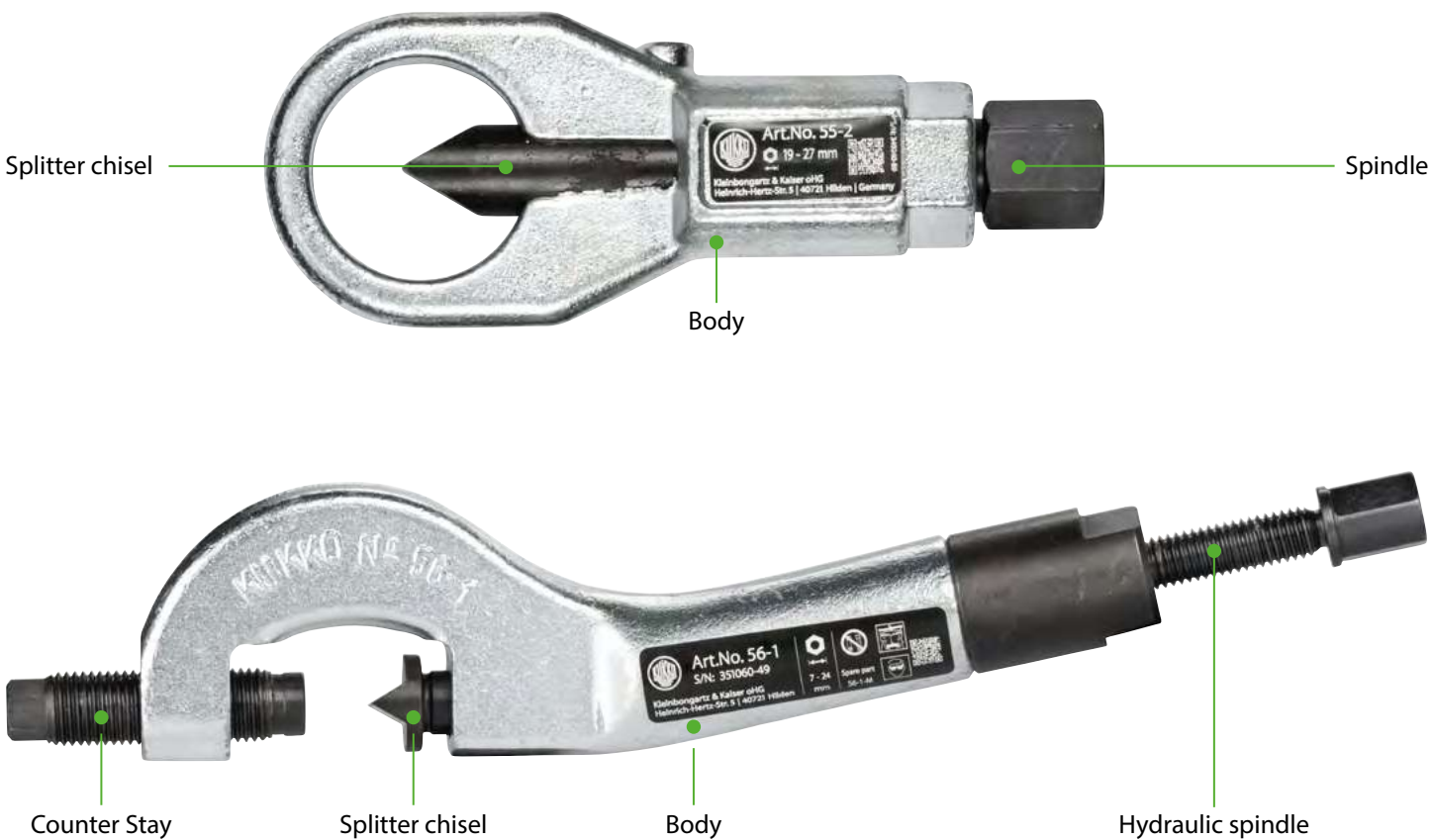
DEPLOYMENT

If nuts come into contact with moisture over an extended period, they start to rust. Rusted components of screw connections can lead to impairments in structures of any kind. Depending on the degree of corrosion, the nut can no longer be unscrewed without damaging the threaded bolt. Additionally, nuts lose their shape during use, making them ungrippable with a wrench. The solution to these problems is provided by the nut splitters from KUKKO.

Benefits

- Detaching the mother can be done without damaging the threaded bolt.
- Pullback Technology guarantees a smooth retraction of the chisel from the blasted nut.
- Very sharp edges due to facet grinding
- Measuring tools are available as spare parts and can be quickly replaced in case of damage.

ASSEMBLY



TIP:

Spare Parts

All splitter chisels of series 54, 55, and 56 are available as replacement parts and are very easy to replace.



54-2-M-C



FEATURES OF THE SERIES

SERIES 54

**Two-sided,
mechanical nut splitter**



54-2

The two-sided nut splitter breaks the nut apart due to double explosive action in just one step.

SERIES 55

**One-sided ,
mechanical nut splitter**



55-0

The single-edged, mechanical nut splitter is used in confined spaces where there is little room around the nut.

SERIES 56

**Single-sided,
fat-hydraulic nut splitter**



56-1

Thanks to the fat hydraulic system, only a small amount of force is required for the single-sided fat hydraulic nut splitter.

SERIES Y-57 - THE HYDRAULIC NUT SPLITTER



Y-57

For maximum work convenience, the nut splitter is also available with a pump hydraulic drive. The hydraulics guarantee an enormous cutting force of up to 90 t.

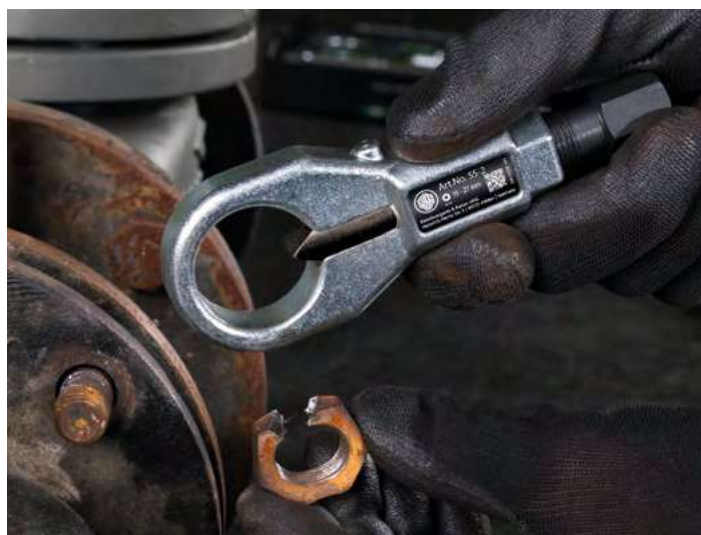
The set of the Y-57 series includes: A pump hydraulic nut splitter, a replacement chisel, and two internal hexagonal wrenches for changing the chisel.



APPLICATION EXAMPLES



By pulling the spindle, the chisel is pressed into the nut to be split.



After the explosive release, the mother can be easily removed from the thread.

PRODUCT DETAILS

SERIES 54
TWO-EDGED, MECHANICAL NUT
SPLITTER



The two-edged mechanical nut splitters are used for splitting irreversibly jammed, rusty, or over-tightened nuts with a tensile strength of up to 800 N/mm². In this splitting process, the threaded pin remains undamaged. The two sharp edges of the chisel, which are ground with a facet, penetrate deeply into the nut when the spindle is tightened until it is split. Thanks to the double splitting effect, only one working step is necessary.



Benefits

- Removing the mother is possible without damaging the threaded bolt.
- Pullback Technology guarantees an easy retraction of the chisel from the blasted nut.

Technical attributes

#	 EAN	 mm/inch	 8	 mm/inch	 mm/inch	 kg/lb
54-2	-170614	10 - 27 3/8 - 1 1/16	8	17 11/16	14 9/16	0,55 1,213
54-3	-170799	17 - 36 11/16 - 1 7/16	8	19 3/4	16 5/8	0,72 1,588

K-54-B
8-PIECE MECHANICAL NUT
SPLITTER SET



The 8-part mechanical nut splitter set of the K-54-B series is used for splitting unloosable, rusted, or overtightened nuts with a tensile strength of up to 800 N/mm². During this splitting process, the threaded pin remains undamaged. The two sharply cut edges of the splitter chisel penetrate deeply into the nut when the spindle is tightened until it is split. Thanks to the double splitting effect, only one working step is necessary. The practical ready-to-use set contains: two double-edged mechanical nut splitters for sizes 10-36 mm, two new splitter chisels, and two box wrenches. The set includes everything needed for nut splitting. No additional accessories are required.

Benefits

- Application-oriented compilation for immediate, universal use
- By storing it in the L-Boxx, the completeness of the set can be easily monitored.
- Double explosive effect saves time

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 8	 kg/lb	Components
K-54-B	-019531	16 5/8	10 - 36 3/8 - 1 7/16	8	2,15 4,741	54-2, 54-3, 54-2-M, 54-3-M

SERIES 55

SERIES 55 SINGLE-EDGED, MECHANICAL NUT SPLITTER



The single-blade mechanical nut splitter is used for splitting stuck, rusted, or over-tightened nuts with a tensile strength of up to 800 N/mm². During this splitting process, the threaded pin remains undamaged. The sharp edge of the chisel, which has a faceted grinding, penetrates deeply into the nut when the spindle is tightened, until the nut is split. In confined environmental conditions where there is only limited space around the nut, the single-blade nut splitter is exactly the right choice.

Benefits

- Removing the mother is possible without damaging the thread bolt.
- Pullback Technology guarantees easy retraction of the chisel from the exploded nut.

Technical attributes

#	 EAN	 mm/inch	 8	 mm/inch	 mm/inch	 kg/lb	Included in the set
55-0	-019906	4 - 10 3/16 - 3/8	8	14 9/16	8 5/16	0,1 0,221	-
55-1	-020063	10 - 18 3/8 - 11/16	8	17 11/16	12 1/2	0,22 0,485	K-55-B
55-2	-020148	19 - 27 3/4 - 1 1/16	8	17 11/16	14 9/16	0,435 0,959	K-55-B
55-3	-020223	27 - 36 1 1/16 - 1 7/16	8	19 3/4	16 5/8	0,66 1,455	K-55-B
55-4	-020308	32 - 50 1 1/4 - 1 15/16	8	32 1 1/4	26 1 1/32	2,55 5,623	-

K-55-B 4-PIECE MECHANICAL NUT SPLITTER SET



The 7-piece mechanical nut splitter set of series K-55-B is used for splitting stubborn, rusted, or overtightened nuts with a tensile strength of up to 800 N/mm². During this splitting process, the threaded pin remains undamaged. The two sharp edges of the splitter chisel, which are angled, penetrate deeply into the nut when the spindle is tightened until it is split. In restricted environmental conditions, where there is little space available around the nut, the single-blade nut splitter is exactly the right choice. The practical ready-to-use set includes: three single-blade mechanical nut splitters for sizes 10-36 mm, three new splitting chisels, and a thread file for reworking and cleaning damaged internal and external threads. The set contains everything needed for nut splitting. No additional accessories are required.

Benefits

- Application-oriented assembly for immediate, universal use
- By storing it in the L-Boxx, the completeness of the set can be easily overviewed.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 8	 kg/lb	Components
K-55-B	-405877	16 5/8	10 - 36 3/8 - 1 7/16	8	2,15 4,741	55-1, 55-2, 55-3, 97-1, 55-1-M, 55-2-M, 55-3-M

PRODUCT DETAILS

SERIES 56 SINGLE-EDGE, HYDRAULIC NUT SPLITTER



The single-sided, fat-hydraulic nut splitters are used for splitting particularly large, stuck, rusted, or overtightened nuts of quality classes 5, 6, 8, and 10. During this splitting process, the threaded pin remains undamaged. Thanks to the fat hydraulics, only a small amount of force is required. For better ease of use, the nut splitter is slightly angled.

Benefits

- Removing the mother is possible without damaging the thread bolt.
- Fat hydraulic ensures a significant reduction in workload.
- Also suitable for use in pipeline construction and other industries.

Technical attributes

#							
	EAN	mm/inch		mm/inch	mm/inch	Nm/ft lb	kg/lb
56-1	-020483	7 - 24 1/4 - 15/16	10	13 1/2	18 11/16	60 44.26	0,86 1,896
56-2	-020551	22 - 36 7/8 - 1 7/16	10	17 11/16	30 1 3/16	70 51.63	2,865 6,317
56-3	-111501	27 - 46 1 1/16 - 1 13/16	10	24 15/16	37 1 7/16	50 36.88	6,6 14,553

SERIES Y-57 4-PIECE, PUMP-HYDRAULIC NUT SPLITTER SET



The 4-piece hydraulic nut splitter sets are used for splitting stubbornly stuck, rusted, or overtightened nuts of all quality classes. During this splitting process, the threaded pin remains undamaged. The special TiN coating of the chisel has particularly good friction properties, allowing for high cutting performance with minimal effort. The nut splitter set is applied in the fields of commercial vehicles, pipe industry, tank cleaning, petrochemical industry, as well as steel and mining. The hydraulic pump guarantees an enormous cutting force of up to 90 tons. The set includes: a hydraulic nut splitter, a replacement chisel, and two internal hexagonal keys for chisel replacement.

Benefits

- Application-oriented assembly for universal use
- By storing it in the L-Boxx, the completeness of the set can be easily overviewed.
- The TiN coating of the measuring tool guarantees higher cutting performance.

Technical attributes

#						
	EAN	mm/inch		mm/inch	bar	kg/lb
Y-57-10	-123559	10 - 19 3/8 - 3/4	12	17 11/16	700	2,26 4,983
Y-57-19	-123566	19 - 24 3/4 - 15/16	12	25 1	700	3,24 7,144
Y-57-24	-870675	24 - 32 15/16 - 1 1/4	12	30 1 3/16	700	5,4 11,907
Y-57-32	-870682	32 - 41 1 1/4 - 1 5/8	12	32 1 1/4	700	8,53 18,809
Y-57-41	-870699	41 - 50 1 5/8 - 1 15/16	12	45 1 3/4	700	13,44 29,635
Y-57-50	-870705	50 - 60 1 15/16 - 2 3/8	12	48 1 7/8	700	25,08 55,301
Y-57-60	-870712	60 - 75 2 3/8 - 2 15/16	12	70 2 3/4	700	34,1 75,191

KUKKO // *Pull forward*



DRIVE TECHNOLOGY



PRODUCT DETAILS

SERIES 58-1
MOUNTING CLAMP



The assembly clamp from series 58-1 is used for tensioning chains and similar parts in crafts, industry, and workshops. It is particularly suitable for tensioning chains and can be complemented by other tools from KUKKO in application.

Benefits

- Guaranteed fast and straightforward installation of connecting left
- Easy assembly of the respective chain ends



Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 kg/lb
58-1	-800245	9 - 46 3/8 - 1 13/16	5 3/16	3 1/8	0,17 0,375
58-2 NEW	-774454	25,4 - 63,5 1 - 2 1/2	8,5 5/16	6 1/4	0 0,000



The 58-2 assembly tensioner is used to tension the lift chain of a forklift truck to make it easier to dismantle

PRODUCT DETAILS

SERIES 59-1
CHAIN BREAKER BASIC DEVICE



The chain breaker device of series 59 is used for breaking various chains in industry and workshop. It serves as the basis for chain breaking, which can be supplemented by other KUKKO tools.

Benefits

- Guaranteed a quick and uncomplicated separation of chains
- Easy handling and flexible to use



Technical attributes

#	 EAN	 mm	 mm/inch	 kg/lb
59-1	-800214	48 1 7/8	3,28 - 5,72 1/8-3/16	0,924 2,037

SERIES 59-1-1
SMALL REPLACEMENT PART SET
FOR THE CHAIN TENSIONER BASIC
DEVICE



The small set for the chain tensioner of the series 59 is a spare parts kit that provides essential elements for the use of the basic device.

Benefits

- Used together with the chain breaker basic device 59-1 or the KUKKO chain breaker set KS-59-1/14.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 kg/lb
59-1-1	-800221	3,0; 3,9 1/8;1/8	3,28 - 4,45 1/8-3/16	3 1/8	0,13 0,287
59-1-2	-800238	4,2; 5,0 3/16;3/16	5,08 - 5,72 3/16-3/16	4 3/16	0,19 0,419

PRODUCT DETAILS

K-59-1/14
CHAIN TENSIONER SET



The 15-piece chain tensioner set from the 59 series is used for separating, tensioning and riveting chains. With this set, chains can not only be safely cut, but also accurately riveted thanks to a crimping aid. This set prevents injuries caused by improper tools.

Benefits

- Thanks to the pressing aid, the spacings of the rivet bolts can always be correctly adjusted, preventing the chain from being overly compressed
- The set contains all the important tools for processing chains
- Application-orientated compilation for universal use
- Storage in the box makes it easy to keep track of the completeness of the set



Technical attributes

#							
		mm	mm	mm	mm	mm	kg
K-59-1/14	4021176000461	6,3 - 19	48	3,0; 3,9; 4,2; 5,0	3,28 - 5,72	3,0; 4,0	2,47



The bolt of a chain was pressed out with the chain breaker 59-1

KUKKO // Pull forward



CUTTING & LOOSENING



DEPLOYMENT

Whether for cutting and punching various materials, for producing seals, for removing adhesive weights and residues, or for thread renewal - KUKKO offers the perfect solution for every application.

FEATURES OF THE SERIES

SERIES 321



The disc cutter is used for cutting discs, leather, paper, particle board, and plastic, as well as for making seal rings. The sharp cutting knife is guided on a rail and can be aligned to a millimeter precision.

SERIES 2200



The soft scraper is used for gently removing adhesive weights and sealant residues, glued protective strips, plaques, and stickers. The ergonomic handle sits particularly well in the hand. Thanks to the polished scraper blade, even hard-to-remove adhesive residues disappear.

SERIES 326



The perforating iron are used for punching or manufacturing seals and sealing rings from rubber, leather, felt, plastic, cork, as well as various fabrics.

SERIES 121



The screw punch is used for evenly punching holes in plastic spacer rods for distance sensors as well as for punching holes in thin-walled materials. In this process, the workpiece is not deformed.

SERIES 49



The screw extractor with finely grooved design is used for extracting broken bolts and screws with right-hand threads.

SERIES 245



The 13-piece nozzle reamer set is used for cleaning nozzles. The set consists of two tool holders and eleven reamers with varying diameters ranging from 0.6 to 1.9 mm.



THREAD REPAIR WITH THE CASE SET K-58

The thread repair set of the K-58 series is suitable for restoring highly stressed screw connections with torn internal threads and for repairing defective or over-torqued threads in all oil pans or oil drain screws. Worn and damaged threads can be professionally and cost-effectively renewed in just a few steps.

The 60-piece set includes: 40 thread inserts in various sizes, 4 drills, 4 seating cutters, 4 thread cutters, 4 insertion tools, a 2-piece tool holder with ratchet function, a can of bio multi-oil, and a KUKKO chip with an individual serial number for warranty extension. For metric threads M5, M6, M8, and M10.



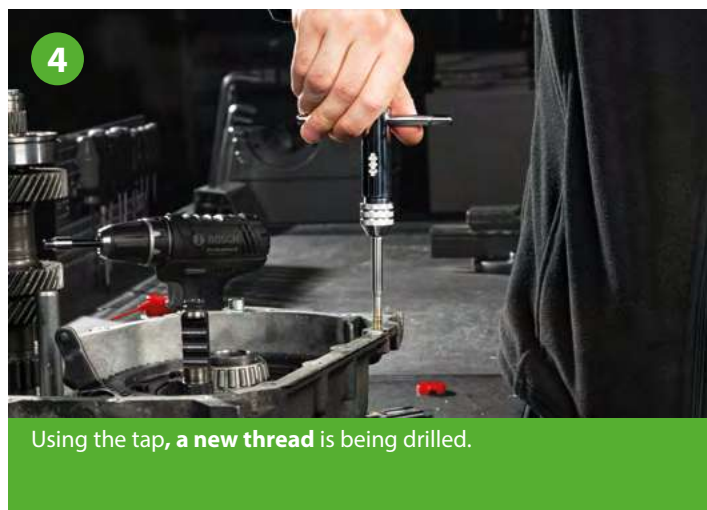
The defective thread will be reamed **with** a drill.



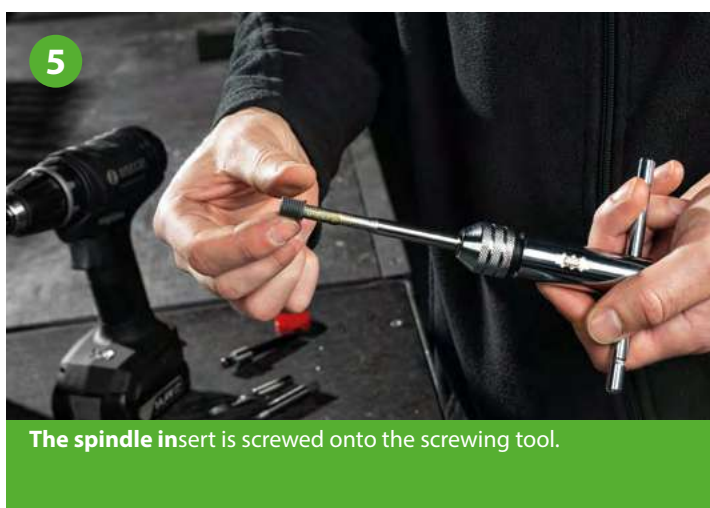
The **seat milling** machine ensures that the bore is countersunk.



The tap is injected with **bio-multi-oil**.



Using the tap, a **new thread** is being drilled.



The **spindle insert** is screwed onto the screwing tool.



The **screwing tool** screws in the spindle insert. Due to the special shape of the screwing tool, the spindle insert is additionally lightly pressed.

UNSCREW WITH SET 49-U-B

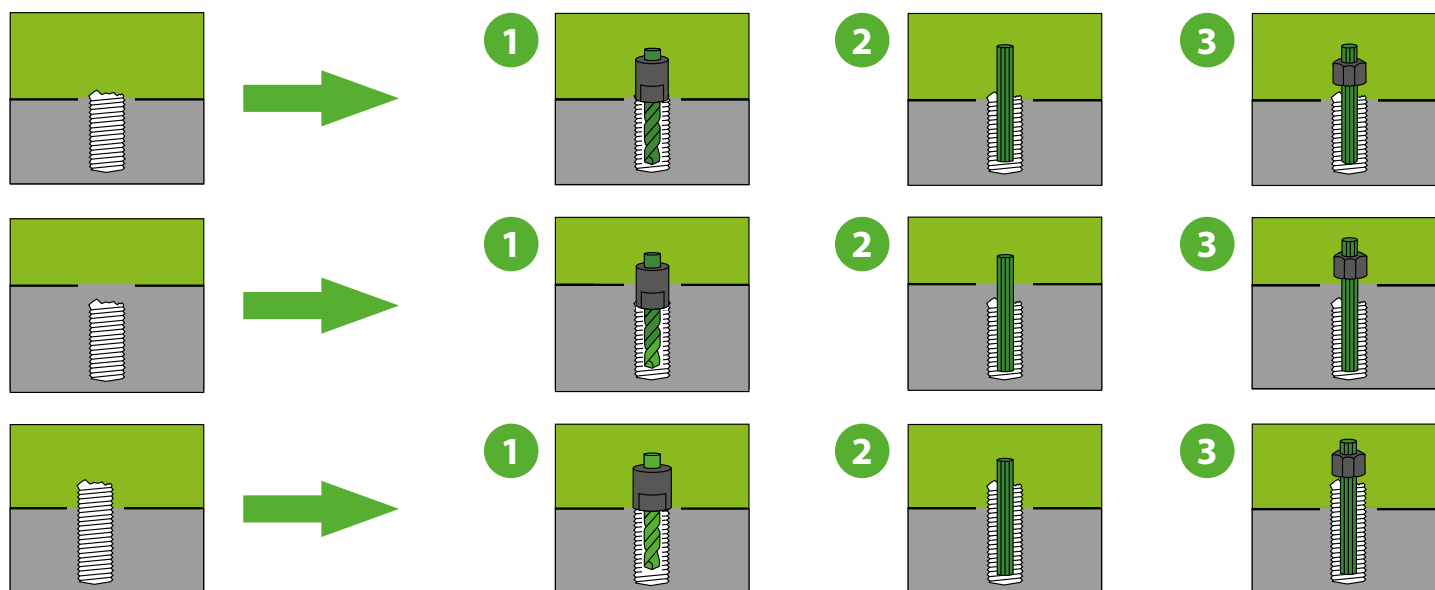
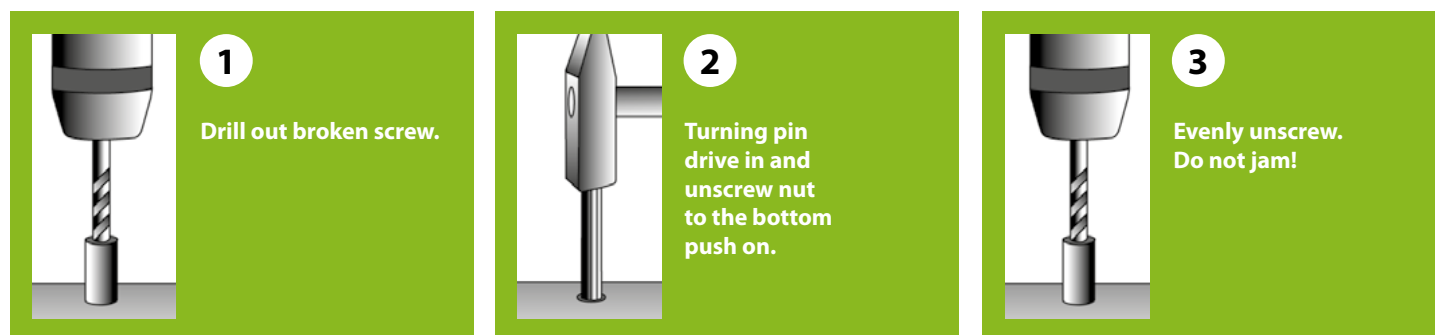
The screw extractor set with drills and drill sockets is used for the universal removal of broken bolts and screws. The screw extractors are an indispensable tool that neither hobbyists nor professional craftsmen can do without. The set includes screw extractors for screw threads from M5 to M16.

BENEFITS

- Application-oriented assembly for universal use
- Due to the joint storage, the completeness of the set can be easily overviewed
- The fine toothing of the turning pins prevents the widening and jamming of the screw



APPLICATION



TECHNICAL ATTRIBUTES

Bolt		Guide bush	Pre-drilling mm	Follow up drilling mm	Twist pin mm	Unscrewing nut SW mm
M 5	3/16"	-	3,2	-	3,2	10
M 6	1/4"	A-B	3,2	-	3,2	10
M 7	1/4"	A-B	3,2	4,8	4,8	11
M 8	5/15"	C-D	3,2	4,8	4,8	11
M 9	3/8"	C-D	4,8	6,4	6,4	13
M 10	7/16"	E-F	4,8	6,4	6,4	13
M 12	1/2"	G-H	4,8	8,0	8,0	14
M 14	9/16"	I-K	6,4	8,7	8,7	17
M 16	5/8"	I-K	6,4	8,7	8,7	17

APPLICATION EXAMPLES



A perforating iron from the 326 series is used together with a soft-face mallet from KUKKO



A soft scraper from the series 2200 for gently removing a product label.



The screw punch 121-182 is inserted through the previously drilled hole.



A screwdriver from the screwdriver set 49-A has safely removed a screw.

PRODUCT DETAILS

SERIES K-58 KUKKO-THREAD-REPAIR-SET



The thread repair set is used for restoring high-load screw connections in torn internal threads, as well as for repairing defective and stripped threads in all oil pans and drain plugs. Worn and damaged threads can be properly and cost-effectively renewed in just a few steps. The 58-piece set includes: 40 thread inserts in various sizes, 4 drill bits, 4 seating mills, 4 thread cutters, 4 insertion tools, a 2-piece tool holder with ratchet function, and a can of bio multi-oil.



Benefits

- The collar makes additional fixation in the workpiece unnecessary and ensures stability without additional space requirement.
- The synchronous threaded design also allows for repairs on thin-walled components.
- Application-oriented assembly for universal use

Technical attributes

#				
	EAN	nominal dimension	mm/inch	kg/lb
K-58-M05-M10	-038853	M5x7,6, M5x10, M6x9,4, M6x12, M8x11,7, M8x16,2, M10x14, M10x20	5,1, 6,2, 8,6, 10,3 3/16, 1/4, 5/16, 3/8	2,07 4,564

SERIES W-714 THREAD RENEWER



The thread renewers of the series W-714 are used for the repair of damaged threads and similar parts in crafts, industry, and workshops. The thread renewers are capable of reliably restoring threads even for special parts that would otherwise be significantly more expensive in their new acquisition.

Benefits

- Suitable for right and left-hand threads

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
W-714-1	-131248	160 6 5/16	12 - 25 1/2-1	0 0,000
W-714-2	-131255	260 10 1/4	25 - 65 1-2 9/16	0 0,000
W-714-3	-131286	355 13 1	44 - 100 1 3/4-3 15/16	1,8 3,969
W-714-4	-131316	406 15 1	100 - 150 3 15/16-5 7/8	1,515 3,341

PRODUCT DETAILS

SERIES 97 HANDY THREAD FILE FOR REWORKING THREADS



The handy thread file is used for manual reworking and cleaning of damaged internal and external threads on technical components such as screws, bolts, axles, or shafts. Additionally, the file is used for repairing external threads where die heads cannot be used or are not available. Overall, the thread file has eight different pitches, which allows for the processing of different thread diameters. In the KUKKO range, there is a suitable thread file for the four common thread types DIN-ISO, Whitworth + BSF, SAE/UNF, and Whitworth/pipe threads.

Benefits

- Thread files are used where cutter dies cannot be applied.
- Various slopes allow processing of different thread sizes.

Technical attributes

#	 EAN	 mm/inch	 Degree	Suitable for thread type		 kg/lb
97-1	-490231	230 9 1/16	60	DIN ISO Metric	0,8, 1, 1,25, 1,5, 1,75, 2, 2,5, 3	0,125 0,276
97-2	-490316	230 9 1/16	55	Whitworth + BSF	10, 11, 12, 14: 16, 18, 20, 24	0,14 0,309
97-3	-490491	230 9 1/16	60	SAE UNF, UNC	11, 12, 13, 14, 16, 18, 20, 24	0,13 0,287
97-4	-720253	230 9 1/16	55	Whitworth Pipe thread GAZ, BSPP	11, 14, 19, 28	0,13 0,287

SERIES 321 SLICE CUTTER FOR CUTTING DISCS AND SEAL RINGS



The circular cutter is used for cutting discs, leather, paper, particle board, and plastic, as well as for making seal rings. The sharp cutting blade is guided on a rail and can be aligned with millimeter precision. With the circular cutter, precise round cutouts can be made in the range of 40 to 200 mm in diameter.

Benefits

- Millimeter scale on prism rail enables precise work
- The plastic handle sits particularly well and securely in the hand.

Technical attributes

#	 EAN	 mm/inch	 kg/lb
321-200	-616144	40 - 200 1 9/16 - 7 7/8	0,495 1,091
321-400	-616229	40 - 400 1 9/16 - 15 3/4	0,61 1,345
321-600	-616304	40 - 600 1 9/16 - 23 5/8	0,75 1,654
321-800	-616489	40 - 800 1 9/16 - 31 1/2	0,88 1,940

PRODUCT DETAILS

SERIES 322
SLICE CUTTER WITH 2 BLADES FOR
CUTTING DISCS AND SEAL RINGS



The disc cutter with two blades is used for cutting discs and sealing rings made of rubber, leather, paper, particle board, and plastic. The two sharp cutting blades are guided on a rail that can be aligned with millimeter precision. With the disc cutter, precise circular cutouts can be made with diameters ranging from 40 to 200 mm.

Benefits

- The millimeter scale on the prism rail enables precise work.
- The plastic handle lies particularly well and securely in the hand.



Technical attributes

#	 EAN	Ø	 kg/lb
		mm/inch	
322-200	-616632	40 - 200 1 9/16 - 7 7/8	0,56 1,235
322-400	-616717	40 - 400 1 9/16 - 15 3/4	0,68 1,499
322-600	-616892	40 - 600 1 9/16 - 23 5/8	0,825 1,819
322-800	-616977	40 - 800 1 9/16 - 31 1/2	0,95 2,095

SERIES 55-C
SINGLE-EDGED, MECHANICAL
GASKET CUTTER



The single-edged mechanical gasket cutter of the series 55-C is used for removing gaskets on pipelines for craft, workshop, and industry. Due to its open design, the gasket cutter can be slid over pipelines, even if they are installed in a closed system. The sharp edge of the chisel, created by a facet grind, penetrates deeply into the gasket when the spindle is tightened, until it is cut through.

Benefits

- The open construction guarantees access to hard-to-reach seals.
- Pullback Technology guarantees an easy retraction of the pusher from the cut seal.



Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 kg/lb
55-2-C NEW	-021350	30 1 3/16	17 11/16	14 9/16	0,445 0,981

PRODUCT DETAILS

SERIES 2200
GENTLE SOFT SCRAPER



Soft scrapers are used for gently removing adhesive weights and sealant remnants, bonded protective strips, badges, and stickers. The ergonomic handle fits particularly well in the hand. Thanks to the polished scraper blade, even difficult-to-remove adhesive residues disappear. At the same time, the manufacturing from polyoxymethylene ensures that the surface to be treated is not damaged. Especially suitable for applications on sensitive surfaces such as adhesive weights on aluminum rims.

Benefits

- Sharp scraping blade removes stuck residue completely
- Good haptics due to ergonomic grip
- The scraper blade is resharpenable.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 kg/lb
2200-1	-324284	190 7 1/2	22 7/8	60 2 3/8	0,7 1,544
2200-2	-324291	210 8 1/4	22 7/8	80 3 1/8	0,72 1,588
2200-3	-324307	280 11 1/32	22 7/8	150 5 7/8	0,083 0,183
2200-4	-324314	280 11 1/32	28 1 1/8	150 5 7/8	0,089 0,196

SERIES 2200-ST
GENTLE SOFT SCRAPER SET



The soft scraper set is used for gently removing adhesive weights and sealant residues, bonded protective strips, plaques, and stickers. The ergonomic handle fits particularly well in the hand. Thanks to the polished scraping blade, even difficult-to-remove adhesive residues disappear. At the same time, the manufacturing from polyoxymethylene ensures that the surface being worked on is not damaged. Particularly suitable for applications on sensitive surfaces such as adhesive weights on aluminum rims. The set contains a total of four soft scrapers in different sizes.

Benefits

- The sharp scraper blade removes stubborn residues without a trace.
- Universal use thanks to soft scrapers in various sizes
- Grip sizes for hanging or securing the scraper

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 kg/lb
2200	-001611	190, 210, 280, 280 7 1/2; 8 1/4; 11 1/32; 11 1/32	22, 22, 22, 28 7/8; 7/8; 7/8; 1 1/8	60, 80, 150, 150 2 3/8; 3 1/8; 5 7/8; 5 7/8	0,325 0,717

PRODUCT DETAILS

SERIES 326 PERFORATING IRON



The perforating iron are used for punching or creating seals and sealing rings from rubber, leather, felt, plastic, cork, as well as various fabrics. The short hollow cylinder is sharply cut at the lower edge. The conical punch head is attached to two carriers. This creates a double-sided recess. Thanks to the particularly powerful design of the perforating iron, a wide variety of materials can be processed.

Benefits

- Extra sharp blades for the individual processing of various materials
- Uniform force distribution on the hollow cylinder due to impact action

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
326-002	-620837	100 3 15/16	2 1/16	0,45 0,992
326-003	-620912	100 3 15/16	3 1/8	0,45 0,992
326-004	-621094	100 3 15/16	4 3/16	0,45 0,992
326-005	-621179	110 4 5/16	5 3/16	0,56 1,235
326-006	-621254	110 4 5/16	6 1/4	0,058 0,128
326-007	-621339	110 4 5/16	7 1/4	0,59 1,301
326-008	-621414	110 4 5/16	8 5/16	0,795 1,753
326-009	-621582	110 4 5/16	9 3/8	0,8 1,764
326-010	-621667	110 4 5/16	10 3/8	0,75 1,654
326-011	-621742	125 4 15/16	11 7/16	0,12 0,265
326-012	-621827	125 4 15/16	12 1/2	0,12 0,265
326-013	-621902	125 4 15/16	13 1/2	0,1 0,221
326-014	-622084	137 5 3/8	14 9/16	0,155 0,342
326-015	-622169	137 5 3/8	15 9/16	0,15 0,331
326-016	-622244	137 5 3/8	16 5/8	0,155 0,342
326-017	-622329	137 5 3/8	17 11/16	0,16 0,353
326-018	-622404	141 5 9/16	18 11/16	0,195 0,430
326-019	-622572	141 5 9/16	19 3/4	0,185 0,408
326-020	-622657	141 5 9/16	20 13/16	0,185 0,408
326-021	-622732	153 6 1/32	21 13/16	0,27 0,595
326-022	-622817	153 6 1/32	22 7/8	0,28 0,617
326-023	-622992	153 6 1/32	23 7/8	0,265 0,584
326-024	-623074	153 6 1/32	24 15/16	0,275 0,606
326-025	-623159	162 6 3/8	25 1	0,37 0,816
326-026	-623234	162 6 3/8	26 1 1/32	0,375 0,827
326-027	-623319	162 6 3/8	27 1 1/16	0,36 0,794
326-028	-623494	175 6 7/8	28 1 1/8	0,45 0,992
326-029	-623562	175 6 7/8	29 1 1/8	0,45 0,992
326-030	-623647	175 6 7/8	30 1 3/16	0,435 0,959
326-031	-623722	175 6 7/8	31 1 1/4	0,5 1,103

#				
	EAN	mm/inch	mm/inch	kg/lb
326-032	-623807	175 6 7/8	32 1 1/4	0,49 1,080
326-033	-623982	175 6 7/8	33 1 5/16	0,495 1,091
326-034	-624064	180 7 1/16	34 1 5/16	0,59 1,301
326-035	-624149	180 7 1/16	35 1 3/8	0,585 1,290
326-036	-624224	180 7 1/16	36 1 7/16	0,57 1,257
326-037	-624309	180 7 1/16	37 1 7/16	0,575 1,268
326-038	-624484	190 7 1/2	38 1 1/2	0,75 1,654
326-039	-624552	190 7 1/2	39 1 9/16	0,0023 0,005
326-040	-624637	190 7 1/2	40 1 9/16	0,63 1,389
326-041	-911003	205 8 1/16	41 1 5/8	1,02 2,249
326-042	-624897	205 8 1/16	42 1 5/8	1,8 3,969
326-043	-624972	205 8 1/16	43 1 11/16	2,13 4,697
326-044	-625054	205 8 1/16	44 1 3/4	1,015 2,238
326-045	-625139	205 8 1/16	45 1 3/4	0,98 2,161
326-046	-625214	205 8 1/16	46 1 13/16	0,87 1,918
326-047	-625399	215 8 7/16	47 1 7/8	2,06 4,542
326-048	-625474	215 8 7/16	48 1 7/8	0,93 2,051
326-049	-625542	215 8 7/16	49 1 15/16	0,99 2,183
326-050	-625627	215 8 7/16	50 1 15/16	1,02 2,249
326-055	-625702	220 8 11/16	55 2 3/16	1,165 2,569
326-060	-625887	240 9 7/16	60 2 3/8	1,775 3,914
326-065	-625962	240 9 7/16	65 2 9/16	1,685 3,715
326-070	-626044	250 9 13/16	70 2 3/4	2,225 4,906
326-075	-626129	255 10 1/32	75 2 15/16	2,23 4,917
326-080	-626204	340 13 3/8	80 3 1/8	3,89 8,577
326-085	-922320	340 13 3/8	85 3 3/8	4,565 10,066
326-090	-626389	365 14 3/8	90 3 9/16	4,3 9,482
326-095	-917128	365 14 3/8	95 3 3/4	6,29 13,869
326-100	-626464	380 14 15/16	100 3 15/16	6 13,230



PRODUCT DETAILS

SERIES 326-TS PERFORATING IRON SET



The 24-piece set of hand punches with different diameters is used for punching or creating seals and sealing rings made of rubber, leather, felt, plastic, cork, as well as various fabrics. The short hollow cylinder is sharply cut at the lower edge. The conical punch head is mounted on two carriers, creating a dual-sided recess. Thanks to the particularly robust design of the hand punches, a wide variety of materials can be processed. The practical plastic case offers maximum organization and is also ideal for transport. A plastic plate also contained in the case can be used as a support for the workpiece to be processed.

Benefits

- Extra sharp blades for the individual processing of various materials
- Uniform distribution of force on the hollow cylinder due to impact effect

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
326-230	-687991	100 - 175 3 15/16-6 7/8	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 24, 25, 28, 30 1/16, 1/8, 3/16, 3/8, 1/4, 1/2, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 1/8, 1 3/16	4,68 10,319

SERIES 326-KS PERFORATING IRON SET IN A PLASTIC ROLL BAG



The 9-piece set of hole punches with different diameters is used for punching holes or creating seals and sealing rings from rubber, leather, felt, plastic, cork, as well as various fabrics. The short hollow cylinder is sharply cut at the bottom edge. The conical punch head is attached to two supports, resulting in a dual recess. Thanks to the particularly sturdy design of the hole punches, a wide variety of materials can be processed. The practical roll-up bag made of plastic provides maximum organization and is also ideal for transport.

Benefits

- Extra sharp blades for the individual processing of various materials
- Uniform distribution of force on the hollow cylinder due to impact action

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
326-109	-916695	100 - 141 3 15/16-5 9/16	3, 5, 7, 9, 11, 13, 15, 17, 19 1/8, 3/16, 1/4, 3/8, 7/16, 1/2, 9/16, 11/16, 3/4	1,025 2,260
326-119	-916701	100 - 141 3 15/16-5 9/16	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 1/16	1,94 4,278
326-120	-626532	100 - 162 3 15/16-6 3/8	3, 5, 6, 8, 10, 12, 13, 14, 16, 19, 22, 25 1/8	1,82 4,013
326-130	-997700	100 - 175 3 15/16-6 7/8	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 1/16	3,01 6,637

PRODUCT DETAILS

326-320
RING PUNCH TOOL SETRING
STAMPING TOOL SET



The 11-piece ring hole punch set is used for punching or creating seals and seal rings made of rubber, leather, felt, plastic, cork as well as fabrics. Thanks to the dual mounting, seal rings can be produced in just one operation by simultaneously attaching two punches with different diameters to the punch holder. The punches are particularly sharp-edged. This allows for the processing of a variety of materials.



Benefits

- Extra sharp stamping knives for the individual processing of various materials
- A variety of ring diameters enables numerous combination options

Technical attributes

#		Ø	
	EAN	mm/inch	kg/lb
326-320	-915605	3, 4, 6, 8, 10, 12, 14, 16, 18, 20 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 11/16, 13/16	0,66 1,455

326-330
RING PUNCH TOOL SET



The ring punch tool set is used for punching or creating seals and seal rings from rubber, leather, felt, plastic, cork, as well as fabrics. Thanks to the double attachment, seal rings can be produced in just one operation by simultaneously attaching two punch blades of different diameters to the punch holder. The punch blades are particularly sharp. This allows for the processing of a wide variety of materials.

Benefits

- Extra sharp stamping knives for the individual processing of various materials
- A variety of ring diameters enables numerous combination options

Technical attributes

#		Ø	
	EAN	mm/inch	kg/lb
326-330	-745004	3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 11/16, 13/16, 7/8, 15/16, 1 1/32, 1 1/8, 1 3/16	1,405 3,098

PRODUCT DETAILS

326-350
RING PUNCH TOOL SET



The 33-piece ring punch tool set is used for punching or creating seals and seal rings from rubber, leather, felt, plastic, cork, as well as fabrics. Thanks to the double holder, sealing rings can be produced in just one working step by attaching two punch blades with different diameters to the punch holder simultaneously. The punch blades are particularly sharply cut. This allows for the processing of a wide variety of materials.

Benefits

- Extra sharp stamping knives for the individual processing of various materials
- A variety of ring diameters enables numerous combination options

Technical attributes

#		Ø	
	EAN	mm/inch	kg/lb
326-360	-745264	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 11/16, 13/16, 7/8, 15/16, 1 1/32, 1 1/8, 1 3/16, 1 1/4, 1 5/16, 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 3/4, 1 13/16, 1 7/8, 1 15/16, 2 1/16, 2 1/8, 2 3/16, 2 5/16, 2 3/8	5,655 12,469

326-360
RING PUNCH TOOL SET



The 38-piece ring punch tool set is used for punching or creating seals and seal rings from rubber, leather, felt, plastic, cork, and fabrics. Thanks to the double holder, seal rings can be produced in just one operation by simultaneously mounting two punch blades of different diameters on the punch holder. The punch blades are particularly sharp. This allows for the processing of a wide variety of materials.

Benefits

- Extra sharp stamping knives for the individual processing of various materials
- A variety of ring diameters enables numerous combination options

Technical attributes

#		Ø	
	EAN	mm/inch	kg/lb
326-360	-745264	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 11/16, 13/16, 7/8, 15/16, 1 1/32, 1 1/8, 1 3/16, 1 1/4, 1 5/16, 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 3/4, 1 13/16, 1 7/8, 1 15/16, 2 1/16, 2 1/8, 2 3/16, 2 5/16, 2 3/8	5,655 12,469

PRODUCT DETAILS

SERIES 334-820
CONTROL HOLE PUNCH



The control hole punches of series 334-820 are used for marking test labels and for the cancellation of receipts, tickets, train passes, etc.

Benefits

- Stable construction and easy application



Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
334-820	-929558	120 4 3/4	3 1/8	0,18 0,397

SERIES 750
REVOLVING HOLE PUNCH



The revolving hole punches of the series 750 are used for punching with low force in crafts and workshops. The hole punches facilitate punching through the adjustable sizes and the pliers design and enable a smooth workflow.

Benefits

- Anti-slip safety (spindle neck) Thighs made of red PVC
- Hole punch diameter 2 – 2.5 – 3 – 3.5 – 4 and 4.5 mm

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
750-220	-611927	220 8 11/16	2,0; 2,5; 3,0; 3,5; 4,0; 4,5 1/16, 1/8, 1/8, 1/8, 3/16, 3/16	0,27 0,595
750-250	-650520	250 9 13/16	2,0; 2,5; 3,0; 3,5; 4,0; 4,5 1/16, 1/8, 1/8, 1/8, 3/16, 3/16	0,45 0,992

PRODUCT DETAILS

SERIES 970
IDEAL SCISSORS



The Ideal scissors in the heavy-duty version are used for straight and continuous cuts as well as figure cuts on hard-to-separate sheets. The arms of the scissors are made of sturdy steel sheet and equipped with an anti-slip safety 2-component cover. The built-in opening spring ensures easy handling and operation. The maximum cutting capacity ranges from 1.2 mm for sheets up to 1.8 mm for V2A sheets. Thanks to the optimized design and geometry of the scissors, hard-to-reach places can also be accessed.

Benefits

- High force through lever amplification
- Ergonomic handle for fatigue-free working

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 right left	 kg/lb
970-260	-687427	260 10 1/4	32 1 1/4	1,8 1/32	right	0,525 1,158
970-261	-687595	260 10 1/4	32 1 1/4	1,8 1/32	left	0,54 1,191

SERIES 971
CIRCULAR PATTERN SNIPS



The circular pattern snips in the lightweight version are used for curved cuts as well as short and straight cuts. The arms of the snips are made of sturdy sheet steel and equipped with an anti-slip safety 2-component cover. The built-in opening spring guarantees easy handling and operation. The maximum cutting capacity ranges from 1.0 mm for V2A sheets to 1.2 mm for sheets. Thanks to the optimized design and geometry of the snips, even hard-to-reach spots can be accessed.

Benefits

- High force through lever amplification
- Ergonomic handle for fatigue-free working

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 right left	 kg/lb
971-240	-557157	243 9 9/16	30 1 3/16	1,2 1/32	right	0,4 0,882
971-241	-557232	243 9 9/16	30 1 3/16	1,2 1/32	left	0,38 0,838
971-242	-558222	250 9 13/16	30 1 3/16	1,2 1/32	left	0,4 0,882

PRODUCT DETAILS

SERIES 972
SHEET METAL SHEARS



The heavy-duty figurine sheet metal shear is used for curve cuts as well as short and straight cuts. The arms of the shear are made of sturdy sheet steel and are equipped with an anti-slip safety 2-component cover. The built-in opening spring ensures easy handling and operation. The maximum cutting capacity ranges from 1.2 mm for V2A sheets up to 1.8 mm for sheets. Thanks to the optimized design and geometry of the shear, even hard-to-reach areas can be accessed.



Benefits

- High force through lever amplification
- Ergonomic handle for fatigue-free working

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 right left	 kg/lb
972-260	-558307	260 10 1/4	40 1 9/16	1,8 1/32	right	0,465 1,025
972-261	-558482	260 10 1/4	40 1 9/16	1,8 1/32	left	0,475 1,047

SERIES 973
IDEAL SHEARS



The Ideal shear in the lightweight version is used for straight and continuous cuts as well as figure cuts on hard-to-separate sheets. The arms of the shear are made of sturdy sheet steel and are equipped with an anti-slip safety 2-component coating. The built-in opening spring ensures easy handling and operation. The maximum cutting capacity ranges from 1.0 mm for V2A sheets to 1.2 mm for sheets. Thanks to the optimized design and geometry of the shear, hard-to-reach areas can also be accessed.

Benefits

- High force through lever amplification
- Ergonomic handle for fatigue-free working

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 left	 kg/lb
973-241	-558635	235 9 1/4	30 1 3/16	1,2 1/32	left	0,415 0,915

PRODUCT DETAILS

SERIES 974 IDEAL SHEARS



The Ideal shear in the heavy version is used for straight and continuous cuts as well as figure cuts on hard-to-separate sheets. The arms of the shear are made of sturdy sheet steel and equipped with an anti-slip safety 2-component coating. The built-in opening spring guarantees easy handling and operation. The maximum cutting capacity ranges from 1.2 mm for V2A sheets to 1.8 mm for sheets. Thanks to the optimized design and geometry of the shear, even hard-to-reach areas can be accessed.

Benefits

- High force through lever amplification
- Ergonomic handle for fatigue-free working

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 right	 kg/lb
974-260	-558710	260 10 1/4	32 1 1/4	1,8 1/32	right	0,535 1,180
974-261	-558895	260 10 1/4	32 1 1/4	1,8 1/32	left	0,53 1,169

SERIES 974-HS IDEAL SHEARS



The Ideal shear is used for straight and continuous cuts as well as figure cuts on difficult-to-separate sheets. The arms of the shears are made of sturdy steel sheet and are equipped with an anti-slip safety 2-component coating. The shear head is coated with TiN, which ensures an even longer service life. The employed blades are made of high-speed steel, which significantly increases cutting speed. The built-in opening spring guarantees easy handling and operation. Thanks to the optimized design and geometry of the shears, even hard-to-reach areas can be accessed.

Benefits

- High force through lever amplification
- Ergonomic handle for fatigue-free working
- Available for left or right cutting

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 right	 kg/lb
974-HSL	-710279	260 10 1/4	37 1 7/16	1,8 1/32	right	0,55 1,213
974-HSR	-710354	260 10 1/4	37 1 7/16	1,8 1/32	left	0,55 1,213

PRODUCT DETAILS

SERIES 980
BERLIN SHEARS



The Berlin sheet metal shear is used for long and straight cuts for non-deforming cutting of sheets. Thanks to the blue protective coating, the arms have a particularly good grip. The firm stop protects the blades and prevents possible injury from crushing. Additionally, the sheet metal shear is characterized by easy handling and smooth cutting.

Benefits

- High force through lever amplification
- Fixed stop offers protection for the blades.



Technical attributes

#				
	EAN	mm/inch		kg/lb
980-250	-560775	250 9 13/16	right	0,465 1,025
980-275	-560850	275 10 13/16	right	0,645 1,422
980-300	-645922	300 11 13/16	right	0,685 1,510

SERIES 981
PELIKAN CONTINUOUS CUTTING
SCISSORS



The Pelikan guillotine shear is used for long, straight as well as continuous cuts for non-chip cutting of sheets. Due to its special design, the shear is particularly suitable for cutting sheet metal panels. Thanks to the blue protective coating, the arms have a particularly good grip. The fixed stop protects the blades and prevents possible injury from crushing. Additionally, the sheet metal shear is characterized by its easy handling and smooth cutting.

Benefits

- High force through lever amplification
- Fixed stop offers protection for the blades.

Technical attributes

#				
	EAN	mm/inch		kg/lb
981-300	-560935	300 11 13/16	right	0,68 1,499

PRODUCT DETAILS

SERIES 982 SHEET METAL SHEARS



The sheet metal shears are used for short and straight cuts as well as contour cuts for non-deforming cutting of sheets. Thanks to the blue protective coating, the arms have particularly good grip. The solid stop protects the blades and prevents possible injury from crushing. In addition, the shears stand out for their easy handling and smooth cutting.

Benefits

- High force through lever amplification
- Fixed stop offers protection for the blades.

Technical attributes

#	 EAN	 mm/inch		 kg/lb
982-250	-561017	250 9 13/16	right	0,465 1,025
982-251	-561192	250 9 13/16	left	0,52 1,147
982-275	-561277	275 10 13/16	right	0,55 1,213
982-276	-561352	275 10 13/16	left	0,47 1,036
982-300	-646004	300 11 13/16	right	0,57 1,257
982-301	-646189	300 11 13/16	left	0,7 1,544

SERIES 983 IDEAL SHEARS



The Ideal scissors are used for straight and tapered cuts as well as figure cuts for cutting sheets without deformation. Thanks to the blue protective coating, the arms have a particularly good grip. The solid stop protects the blades and prevents possible injury from crushing. In addition, the sheet metal scissors stand out for their easy handling and smooth cutting.

Benefits

- High force through lever amplification
- Fixed stop offers protection for the blades.

Technical attributes

#	 EAN	 mm/inch		 kg/lb
983-260	-561437	260 10 1/4	right	0,615 1,356
983-261	-561505	260 10 1/4	left	0,59 1,301
983-280	-561680	280 11 1/32	right	0,605 1,334
983-281	-561765	280 11 1/32	left	0,605 1,334

PRODUCT DETAILS

SERIES 986
GOLDSMITH / FINE SHEET METAL
SHEARS



The goldsmith / sheet metal shears are used for cutting thin sheets. Thanks to the protective coating, the arms have a particularly good grip. The firm stop protects the blades and prevents possible injury from crushing. The slim design of the arms allows processing even in hard-to-reach places.

Benefits

- High force through lever amplification
- Fixed stop offers protection for the blades.
- Available with straight or curved cutting edges



Technical attributes

#				
	EAN	mm/inch		kg/lb
986-180	-562182	180 7 1/16	right	0,105 0,232
986-181	-562267	180 7 1/16	left	0,12 0,265

SERIES 987
GOLDSMITH / FINE SHEET METAL
SHEARS



The goldsmith's fine sheet metal shear is used for cutting thin sheets. Thanks to the protective coating, the arms have a particularly good grip. The slim design of the arms allows processing even in hard-to-reach places.

Benefits

- High force through lever amplification
- Fixed stop offers protection for the blades.
- Available with straight or curved cutting edges

Technical attributes

#				
	EAN	mm/inch		kg/lb
987-180	-562342	180 7 1/16	right	0,105 0,232
987-181	-562427	180 7 1/16	left	0,13 0,287

PRODUCT DETAILS

SERIES 988
GOLDSMITH / FINE SHEET METAL
SHEARS



The goldsmith / sheet metal shears are used for cutting thin sheets. Thanks to the protective coating, the arms have a particularly good grip. The firm stop protects the blades and prevents possible injury from crushing. The slim design of the arms allows processing even in hard-to-reach places.

Benefits

- High force through lever amplification
- Fixed stop offers protection for the blades.
- Available with straight or curved cutting edges

Technical attributes

#				
	EAN	mm/inch		kg/lb
988-180	-562595	180 7 1/16	right	0,105 0,232
988-181	-562670	180 7 1/16	left	0,09 0,198

SERIES 993
UNIVERSAL COMBINATION
SCISSORS



The universal combination scissors are used for cutting various materials for industry and crafts. The scissors cut, for example, sheet metal, wire, plastic, rubber, leather, cardboard, and paper. This makes them a true all-rounder among cutting tools. Equipped with a practical one-handed metal lock, the scissors can be easily opened or closed.

Benefits

- High force through lever amplification
- Practical One-Handed Closure

Technical attributes

#					
	EAN	mm/inch	mm/inch		kg/lb
993-140	-563585	140 5 1/2	33 1 5/16	right	0,08 0,176
993-190	-563660	190 7 1/2	42 1 5/8	right	0,125 0,276

PRODUCT DETAILS

SERIES 995
WORK SCISSORS



The work scissors are used for cutting thick paper, cardboard, thin rubber, leather, and textiles, making them versatile. They feature one long and one round grip eye, which guarantees optimal guidance.

Benefits

- High force through lever amplification
- Universally applicable for processing various materials



Technical attributes

#	 EAN	 mm/inch	 mm/inch	 right	 kg/lb
995-175	-166441	250 9 13/16	83 3 1/4	right	0,215 0,474
995-200	-563905	175 6 7/8	94 3 11/16	right	0,22 0,485
995-225	-166465	225 8 7/8	110 4 5/16	right	0,285 0,628
995-250	-564087	200 7 7/8	120 4 3/4	right	0,4 0,882

SERIES 996
MULTIPURPOSE SCISSORS



The multipurpose scissors can be used individually and are used for cutting paper and fabric. It features one long and one round handle eye, which ensures optimal guidance. The handles made of impact-resistant plastic are adjustable and screwed together.

Benefits

- High force through lever amplification
- Universally applicable for processing a variety of materials

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 right	 kg/lb
996-210	-564247	210 8 1/4	75 2 15/16	right	0,12 0,265

PRODUCT DETAILS

SERIES 997 WICK SCISSORS



The wick scissors are used to cut burnt-down wicks to the desired length. The glowing wick stays on the cutting edge without contaminating the candle. The wick scissors feature two round finger holes that ensure optimal handling.

Benefits

- High force through lever amplification
- Cut the glowing wick.

Technical attributes

#					
	EAN	mm/inch	mm/inch		kg/lb
997-150	-140311	150 5 7/8	43 1 11/16	right	0,215 0,474

SERIES 121 SCREW HOLE PUNCH



The screw punches of series 121 are used for uniformly punching plastic support rods for distance sensors as well as for stamping holes in thin-walled materials. During the working process, the workpiece is not deformed. Each screw punch consists of a punch, a die, and a pressure screw in a particularly stable design.

Benefits

- Special cutting geometry prevents the detachment of the carriage paint
- Can be used without any problems on already painted bumpers.

Technical attributes

#					
	EAN		mm/inch	mm/inch	kg/lb
121-182	-831379	M10x1	18,2 11/16	17 11/16	0,105 0,232
121-184	-403163	M10x1	18,4 11/16	17 11/16	0,09 0,198
121-186	-058745	M10x1	18,6 11/16	17 11/16	0,095 0,209
121-190	-079092	M10x1	19 3/4	17 11/16	0,105 0,232
121-200	-202544	M10x1	20 13/16	17 11/16	0,1 0,221
121-225	-202575	M10x1	22,5 7/8	17 11/16	0,125 0,276
121-260	-831386	M10x1	26 1 1/32	17 11/16	0,16 0,353
121-265	-058752	M10x1	26,5 1 1/32	17 11/16	14 30,870

#					
	EAN		mm/inch	mm/inch	kg/lb
121-266	-403187	M10x1	26,6 1 1/32	17 11/16	0,195 0,430
121-282	-079757	M10x1	28,2 1 1/8	17 11/16	0,18 0,397
121-293	-058776	M10x1	29,3 1 1/8	17 11/16	0,195 0,430
121-310	-009716	M10x1	31 1 1/4	17 11/16	0 0,000
121-319	-403194	M10x1	31,9 1 1/4	17 11/16	0,255 0,562
121-326	-403200	M10x1	32,6 1 1/4	17 11/16	0,265 0,584
121-389	-403224	M10x1	38,9 1 1/2	17 11/16	0,34 0,750

PRODUCT DETAILS

SERIES 49 SCREW EXTRACTOR



Application video:



The screw extractors of series 49 with finely grooved shape are used for removing broken bolts and screws with right-hand threads. Thus, the screw extractor is an indispensable tool that neither hobbyists nor professional craftsmen can do without.

Benefits

- Fine grooves ensure better traction and thus a comfortable working method.
- Optimized thread lengths ensure a shallow drilling depth.



Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
49-1	-018008	50 1 15/16	3 - 6 1/8 - 1/4	2,7 1/8	0,5 1,103
49-2	-018183	57 2 1/4	6 - 8 1/4 - 5/16	3,8 1/8	0,1 0,221
49-3	-018268	64 2 1/2	8 - 11 5/16 - 7/16	4,9 3/16	0,15 0,331
49-4	-018343	71 2 13/16	11 - 14 7/16 - 9/16	7 1/4	0,03 0,066
49-5	-018428	78 3 1/16	14 - 18 9/16 - 11/16	9 3/8	0,05 0,110
49-6	-018596	85 3 3/8	18 - 24 11/16 - 15/16	12 1/2	0,1 0,221

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
49-7	-018671	92 3 5/8	24 - 33 15/16 - 1 5/16	14,5 9/16	0,165 0,364
49-8	-018756	100 3 15/16	33 - 45 1 5/16 - 1 3/4	18 11/16	0,29 0,639
49-9	-018831	112 4 7/16	45 - 52 1 3/4 - 2 1/16	24 15/16	0,555 1,224
49-10 NEW	-239809	141,5 5 9/16	52 - 64 2 1/16 - 2 1/2	31,2 1 1/4	0,99 2,183

49-A SCREW EXTRACTOR SET



The 5-piece screw extractor set 49-A with finely grooved shape is used for extracting broken bolts and screws with right-hand threads. The screw extractors are an indispensable tool that neither hobbyists nor professional craftsmen can do without. The set includes screw extractors for thread diameters starting from M3 and depending on the version, up to a diameter of M18 (49-A), M24 (49-B), or M45 (49-C).

Benefits

- Application-oriented assembly for universal use
- Through the common storage, the completeness of the set can be well overviewed.

Application video:



Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
49-A	-018916	50, 57, 64, 71, 78 1 15/16; 2 1/4; 2 1/2; 2 13/16; 3 1/16	M3 - M18 -	2,7; 3,8; 4,9; 7; 9 1/16; 1/8; 3/16; 1/4; 3/8	0,53 1,169

PRODUCT DETAILS

49-B
SCREW EXTRACTOR SET



The 5-piece screw extractor set 49-B with finely grooved shape is used for extracting broken bolts and screws with right-hand threads. The screw extractors are an indispensable tool that neither hobbyist nor professional tradesperson can do without. The set includes screw extractors for thread diameters starting from M3 and depending on the design, up to diameters of M18 (49-A), M24 (49-B), or M45 (49-C).

Benefits

- Application-oriented assembly for universal use
- Through the common storage, the completeness of the set can be well overviewed.

Application video:



Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
49-B	-019098	50, 57, 64, 71, 78, 85 1 15/16; 2 1/4; 2 1/2; 2 13/16; 3 1/16; 3 3/8	M3 - M24 -	2,7; 3,8; 4,9; 7; 9; 12 1/16; 1/8; 3/16; 1/4; 3/8; 1/2	0,636 1,402

49-C
SCREW EXTRACTOR SET



The 8-piece screw extractor set 49-C with finely serrated shape is used to extract broken bolts and screws with right-hand threads. The screw extractors are an indispensable tool that neither hobbyists nor professional craftsmen can do without. The set includes screw extractors for thread diameters from M3 and, depending on the design, up to a diameter of M18 (49-A), M24 (49-B), or M45 (49-C).

Benefits

- Application-oriented assembly for universal use
- Through the common storage, the completeness of the set can be well overviewed.

Application video:



Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
49-C	-019173	50, 57, 64, 71, 78, 85, 92, 100 1 15/16; 2 1/4; 2 1/2; 2 13/16; 3 1/16; 3 3/8; 3 5/8; 3 15/16	M3 - M45 -	2,7; 3,8; 4,9; 7; 9; 12; 14,5; 18 1/16; 1/8; 3/16; 1/4; 3/8; 1/2; 9/16; 11/16	0,75 1,654

PRODUCT DETAILS

SERIES K-49 READY-TO-USE SCREW EXTRACTOR SET IN CASE



The 10-piece, ready-to-use screw extractor set from the K-49 series with fine ribbed shape is used for extracting broken bolts and screws with right-hand thread. Ideal for screws with a thread diameter of 4 to 20 mm. The set contains six screw extractors, a ratchet, two chucks, and an adapter, making it ready for immediate use. The screw extractors are an indispensable tool that neither hobbyists nor professional craftsmen can do without.



Benefits

- Application-oriented assembly for universal use
- Through the common storage, the completeness of the set can be well overviewed.

Technical attributes

#						Components
	EAN	mm/inch	mm/inch	mm/inch	kg/lb	
K-49-B NEW	-041938	50, 55, 61, 65, 69 1 15/16, 2 3/16, 2 3/8, 2 9/16, 2 11/16	4 - 20 3/16 - 13/16	2,6, 3,8, 4,8, 7, 9 1/16, 1/8, 1/8, 3/16, 5/16	0,22 0,485	49-T-1, 49-T-2, 49-T-3, 49-T-4, 49-T-5

SERIES 49-0 SCREW EXTRACTOR



The screw extractors of series 49-0 with broad ribbed shape are used for removing broken bolts and screws with right-hand threads. Thus, the screw extractor is an indispensable tool that neither hobbyist nor professional tradesman can do without.

Benefits

- Wide grooves are particularly suitable for soft materials, such as brass and aluminum.
- Optimized thread lengths ensure a shallow drilling depth.

Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
49-01	-490569	48 1 7/8	3 - 6 1/8 - 1/4	3,2 1/8	0,05 0,110
49-02	-490644	54 2 1/8	6 - 8 1/4 - 5/16	4,2 3/16	0,005 0,011
49-03	-490729	60 2 3/8	8 - 11 5/16 - 7/16	5 3/16	0,01 0,022
49-04	-490804	67 2 5/8	11 - 14 7/16 - 9/16	6,4 1/4	0,02 0,044
49-05	-490989	86,5 3 3/8	14 - 18 9/16 - 11/16	9 3/8	0,04 0,088
49-06	-491061	95 3 3/4	18 - 24 11/16 - 15/16	12 1/2	0,12 0,265

PRODUCT DETAILS

SERIES 49-0-S SCREW EXTRACTOR SET WITH WIDE- GROOVED, AMERICAN SHAPE



The screw extractor set with wide, grooved shape is used for extracting broken bolts and screws with right-hand threads. The screw extractors are an indispensable tool that neither hobbyist nor professional craftsmen can do without. The set includes screw extractors for thread diameters from 3 to 24 mm.

Benefits

- Application-oriented assembly for universal use
- Through the common storage, the completeness of the set can be well overviewed.

Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
49-0-S	-491146	48, 54, 60, 67, 86, 5, 95 1 7/8; 2 1/8; 2 3/8; 2 5/8; 3 3/8; 3 3/4	3 - 24 1/8 - 15/16	3,2; 4,2; 5; 6,4; 9; 12 1/8; 3/16; 3/16; 1/4; 3/8; 1/2	0,195 0,430

SERIES 49-T "SUPER TRACTION" SCREW EXTRACTOR



The screw extractor "Super Traction" is used to extract broken bolts and screws with right-hand threads. Thus, the screw extractor is an indispensable tool that neither hobbyist screwdrivers nor professional craftsmen can do without.

Benefits

- Narrow grooves ensure better traction and thus a comfortable operation.
- Optimized thread lengths ensure a shallow drilling depth.

Technical attributes

#						Included in the set
	EAN	mm/inch	mm/inch	mm/inch	kg/lb	
49-T-1	-758461	50 1 15/16	4 - 5 3/16 - 3/16	2,6 1/8	0,1 0,221	K-49-B
49-T-2	-758539	55 2 3/16	5 - 7 3/16 - 1/4	3,8 1/8	0,1 0,221	K-49-B
49-T-3	-758614	61 2 3/8	8 - 12 5/16 - 1/2	4,8 3/16	0,15 0,331	K-49-B
49-T-4	-758799	65 2 9/16	12 - 14 1/2 - 9/16	7 1/4	0,2 0,441	K-49-B
49-T-5	-758874	69 2 11/16	16 - 20 5/8 - 13/16	9 3/8	0,44 0,970	K-49-B

PRODUCT DETAILS

SERIES 49-T-A
SCREW EXTRACTOR SET
"SUPER TRACTION"



The screw extractor set "Super Traction" is used to extract broken bolts and screws with right-handed threads. The screw extractors are an indispensable tool that neither DIY enthusiasts nor professional craftsmen can do without. The set includes screw extractors for thread diameters from 4 to 20 mm.

Benefits

- Application-oriented assembly for universal use
- Through the shared storage, the completeness of the set can be easily overseen.



Technical attributes

#					
	EAN	mm/inch	mm/inch	mm/inch	kg/lb
49-T-A	-758959	50, 55, 61, 65, 69 1 15/16; 2 3/16; 2 3/8; 2 9/16; 2 11/16	4 - 20 3/16 - 13/16	2,6; 3,8; 4,8; 7; 9 1/16; 1/8; 3/16; 1/4; 3/8	0,11 0,243

SERIES 49-U
SCREW EXTRACTOR WITH DRILLS
AND DRILL SOCKET



The screw extractors with drills and drill sockets are used for extracting broken bolts and screws. Thus, screw extractors are an indispensable tool that neither hobbyists nor professional craftsmen can do without.

Benefits

- Optimized thread lengths ensure a low drilling depth

Technical attributes

#				
	EAN	mm/inch	mm/inch	kg/lb
49-U-11	-799549	M5 - M7 -	3,2 1/8	0,3 0,662
49-U-12	-799624	M8 - M9 -	4,8 3/16	0,55 1,213
49-U-13	-799709	M10 - -	6,4 1/4	0,85 1,874
49-U-14	-799884	M12 - -	8 5/16	0,125 0,276
49-U-15	-799969	M14 - M16 -	8,7 5/16	0,16 0,353

PRODUCT DETAILS

SERIES 49-U-B
SCREW EXTRACTOR SET



The 25-piece screw extractor set with drills and drill sockets is used for universal extraction of broken bolts and screws. The screw extractors are an indispensable tool that neither hobbyists nor professional craftsmen can do without. The set includes screw extractors for screw threads from M5 to M16.

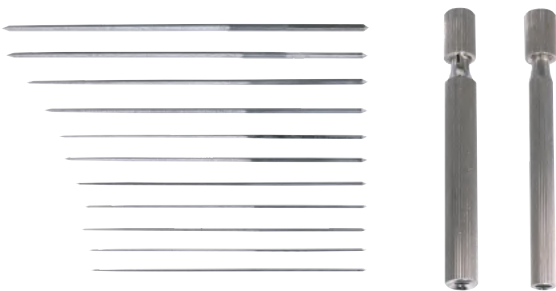
Benefits

- Application-oriented assembly for universal use
- Through the shared storage, the completeness of the set can be easily overseen.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 kg/lb
49-U-B	-799136	M5 - M16 -	3,2-8,7 1/8-5/16	0,85 1,874

SERIES 245
NOZZLE REAMER SET



The 12-piece nozzle reamer set is used for cleaning nozzles. The set consists of two tool holders and eleven reamers with various diameters ranging from 0.6 to 1.9 mm.

Benefits

- Compact and handy range that can be used for all nozzle sizes.

Technical attributes

#	 EAN	 mm/inch	 mm/inch	 mm/inch	 kg/lb
245-004	-597412	150 5 7/8	0,6; 0,65; 0,7; 0,75; 0,8; 0,9; 1,0; 1,1; 1,3; 1,5; 1,7; 1,9 1/32 - 1/16	20 - 50 13/16-1 15/16	0,25 0,551







PRESSING & INSERTING

For the professional and precise installation of bearings, the replacement of silent bushings on axles in the automotive sector, as well as for the hydraulic pressing in and out of axle knuckle bolts – KUK-KO offers the perfect solution for every application.

The activities related to pressing & inserting include:

- Bearing installation tool sets
- Universal press frames
- Workshop press AXLE

APPLICATION OF BEARING INSTALLATION TOOL OF SERIES 71

The heavy-duty bearing installation tool set made of steel from series 71 is used for the installation of bearings using a hydraulic press or hammer in craftsmanship, industry, and workshops. The set includes 33 impact rings and 5 impact tubes made of extra strong steel, as well as 1 SELCTHOR with two different impact inserts (PU/CA). The tool set allows for a damage-free installation of bearings without damaging shafts, bearing housings, or seal rings.

Benefits

- Application-oriented assembly for universal use
- The combination of impact ring and impact sleeve required for the installation of the ball bearing can be taken from the table in the suitcase lid
- By combining the impact ring and impact tube, the installation forces are never transmitted through the rolling elements of the bearing, thus preserving them

BUILD-UP



SET

The storage inserts are available in various suitcase sets. Depending on the application, different assortments can be chosen.



K-71-L-F



K-71-W-B



K-71-W-B

USE OF UNIVERSAL PRESS FRAME OF SERIES 880 & 890

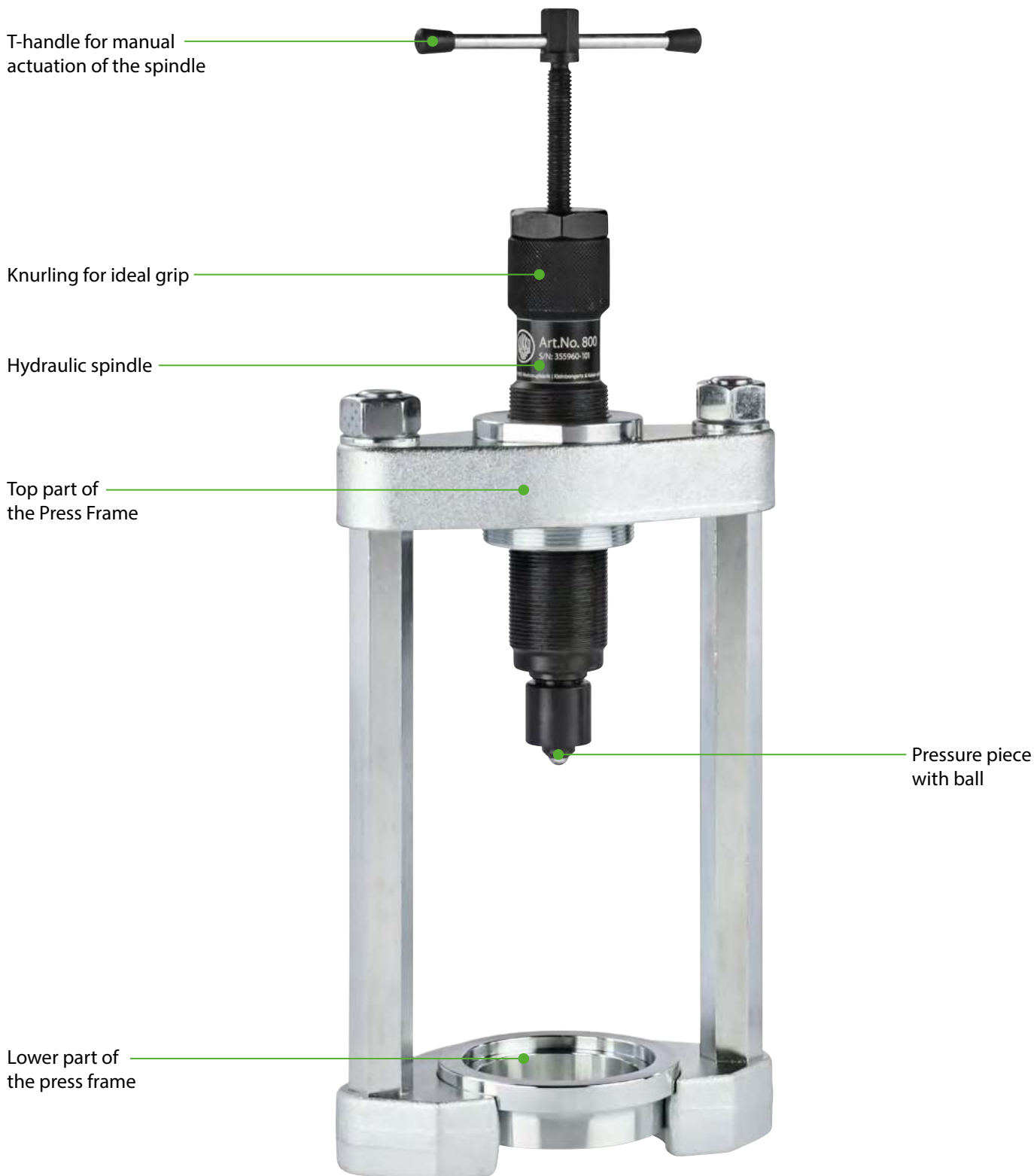
The universal press frames for silent bushes are used for axle replacement at the front and rear axle without disassembling the axle in the automotive industry, e.g. for silent bearings, hydraulic bearings, plastic bearings, ball joints, or shock absorber rubber. The press frames of series 880 are available in various designs for varying load requirements and are universally applicable.

Benefits

- The compact and robust design makes the press frame versatile in its application.
- The hydraulic system enables high pulling performance with low effort.
- The axially operating piston does not rotate with the hydraulic spindle.



ASSEMBLY



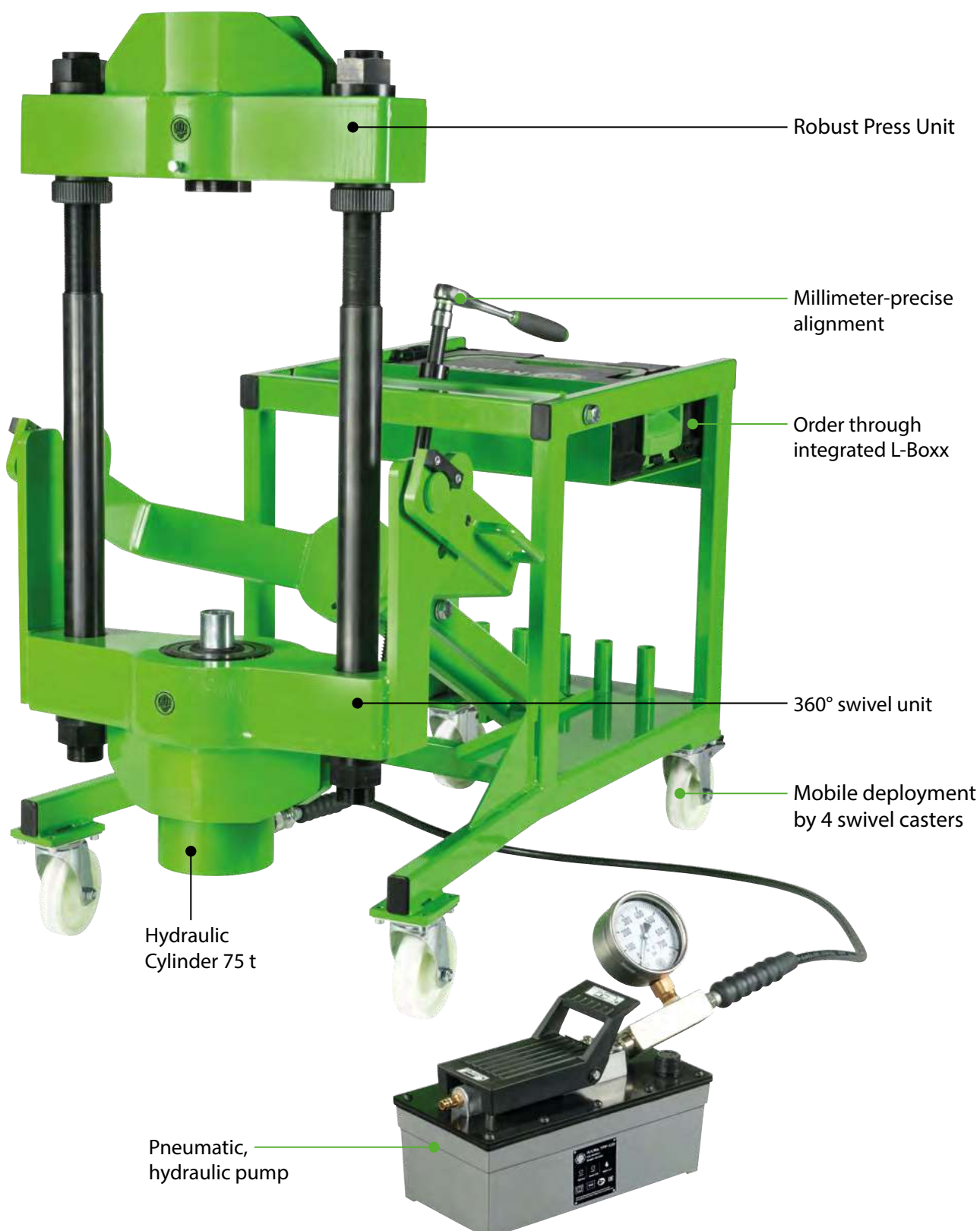
USE OF THE AXLE BALL JOINT PRESS AXLE

The hydraulic axle pin press is used for the quick pressing in and out of all common axle pins on commercial vehicle front axles. For positioning, the working unit is swiveling and adjustable, and the flat design allows work even on low-lying vehicles.

Benefits

- The press can be used in both the assembled and disassembled state of the axle
- The 360° swiveling lever actuation enables ergonomic operation from the working area
- Flexible to position in the workshop due to mobile deployment

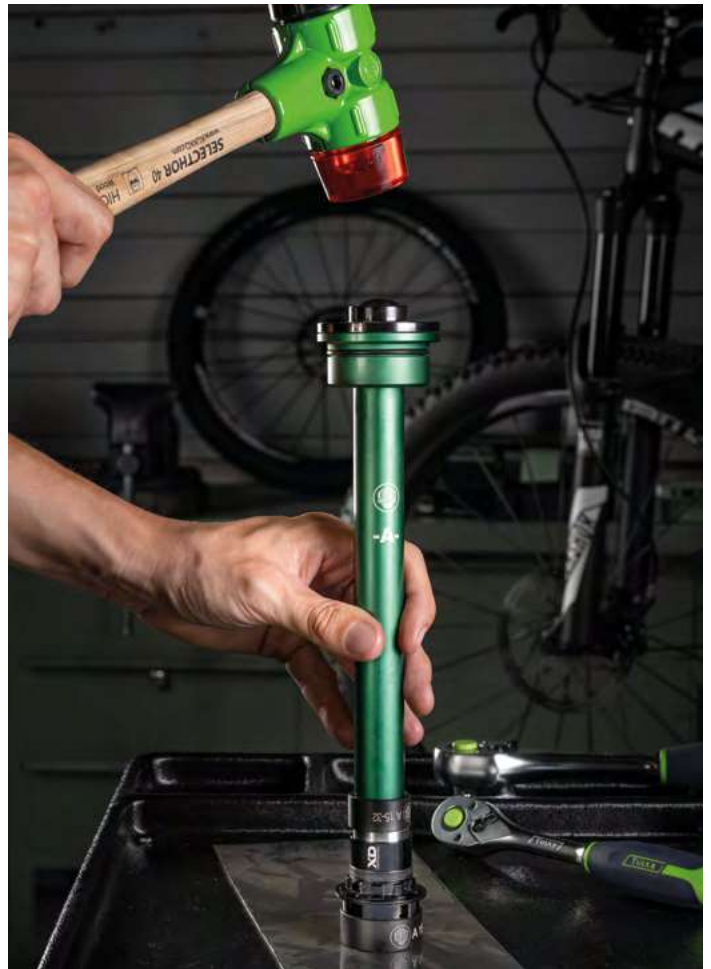
ASSEMBLY



APPLICATION EXAMPLES



Inserting the appropriate impact ring into the impact tube when using a K-71 set



Pressing a bearing using a K-71



The hydraulic axle joint bolt press "AXLE" Y-AP-75 is adjusted with a ratchet.



The hydraulic axle tie rod press "AXLE" Y-AP-75 is ready for use on a truck.