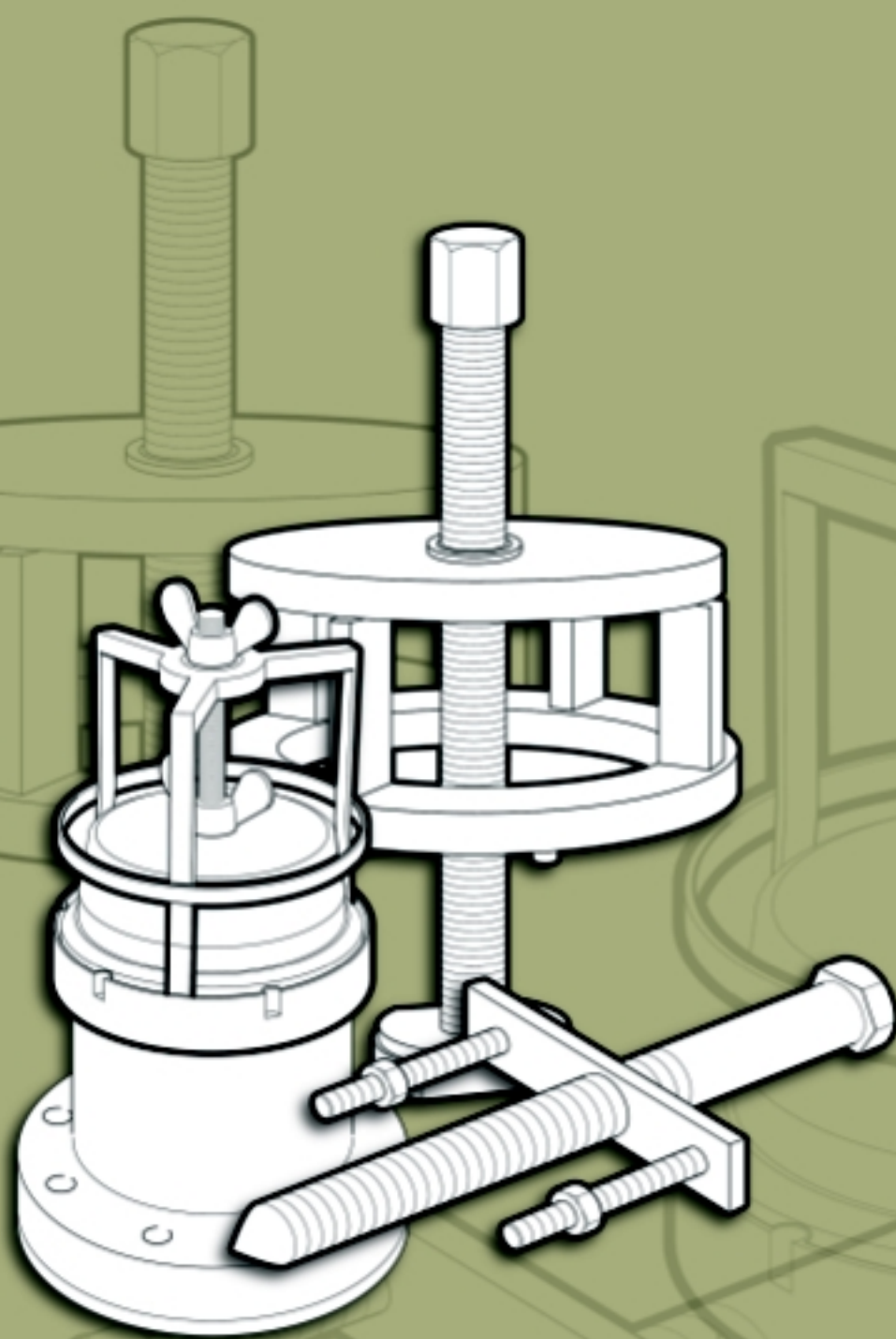


Flygt tool catalogue



Flygt



ITT Industries
Engineered for life

Flygt tool catalogue

2000-11-06

Tools manufactured by Flygt are of highest quality and design. To ensure a safe and trouble-free product, please use Flygt original tools as well as original spare parts and accessories.

If you have access to Flygt's Technical system in IDMS, it is recommended that you use the Service tool lists in D001. Here you will find both the standard tools and the special tools for almost all products.

All Flygt tools shall be ordered through the ordinary spare part procedure. Some of the tools are stored and some are produced for delivery on request.

Prices: Please, see the price-list.

Contents:

Standard tools.....	5-20
Work benches, Standard pullers & Stator tools.....	21-27
Impeller pullers and other tools.....	28-37
Propeller pullers.....	38-42
Special tools for Mixer.....	43-44
Mechanical face seal tools.....	45-52
Special tools for Drive unit.....	53-56
Bearing tools.....	57-59
Stands.....	60-61
Instruction cards.....	62-107
Manual for Service Tool lists in IDMS.....	108-113
Index.....	114-118

You are welcome to contribute with further ideas and improvements. Please also notify ITT Flygt of any discrepancies or errors found. Corrections should be noted directly on the catalogue and returned to:

ITT Flygt AB
Aftermarket & Service
Box 1309
S-171 25 SOLNA
SWEDEN

A replacement copy will be sent in exchange.

Tubular box spanner

Steckschlüssel

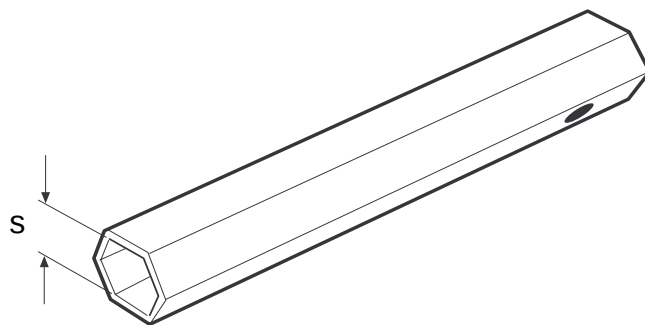
Clefs à douille

Hylsnyckel

Hexagon steel tube, straight, without tommy bar.

If you need longer, weld them together.

	s =	length
84 12 77	10 mm	100 mm
84 12 57	11 mm	120 mm
84 12 59	13 mm	120 mm
84 12 78	14 mm	120 mm
84 12 61	15 mm	140 mm
84 12 62	16 mm	140 mm
84 12 63	17 mm	140 mm
84 12 79	18 mm	140 mm
84 12 64	19 mm	140 mm
84 12 65	21 mm	160 mm
84 12 66	22 mm	160 mm
84 12 69	24 mm	160 mm
84 12 70	28 mm	180 mm
84 12 75	30 mm	180 mm
84 12 76	36 mm	180 mm



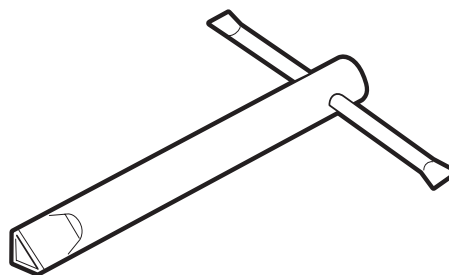
Triangular box wrench

Dreikantschlüssel

Clé trois paus

3-kanthylsnyckel

	for nut	for screw
84 12 26	M 5	M 5
84 12 27	M 6	M 6
84 12 28	M 8	M 8
84 12 29	M10	M10
84 12 30	-	M12
84 12 31	M12	M16
84 12 32	M16	M20



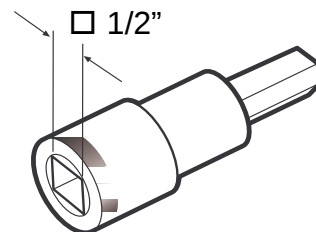
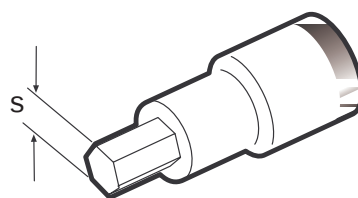
Hexagon bit adapter

Innensechskant-Steckschlusseinsatz

Douille tournevis 6 pans males

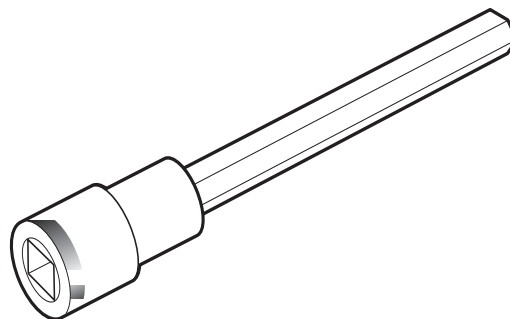
Insexhylsa

	□ drive	s =	blade length
84 13 03	1/2"	5 mm	20-25 mm
84 13 04	"	6 mm	"
84 13 05	"	8 mm	"
84 13 06	"	10 mm	"
84 13 01	"	14 mm	"
84 13 07	"	17 mm	"
84 13 09	"	19 mm	"



Long variant

	□ drive	s =	min. length
84 14 76	1/2"	5 mm	140 mm
84 14 77	"	6 mm	100 mm
84 14 78	"	8 mm	80 mm
84 14 79	"	10 mm	100 mm
84 14 80	"	12 mm	100 mm
84 14 81	"	14 mm	100 mm



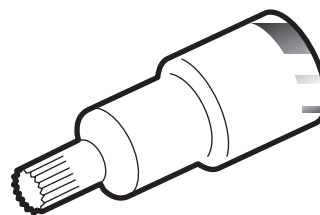
Torx head sockets

Torx-Steckschlüssel-Einsätze

Douilles tête torx

Hylsgrepp

	□ drive	for screw	min. length
84 20 30	1/2"	M 7-8	17 mm
84 20 24	"	M 10	17 mm



Ratchet handle

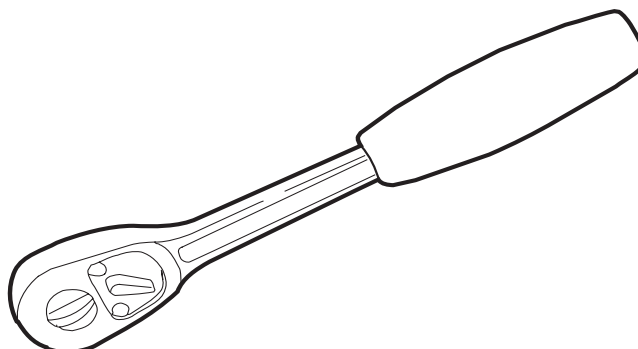
Ratsche

Cliquet reversible

Spärnnyckel

84 10 16

With 1/2" □ drive. Total length
270 mm.



Swivel handle

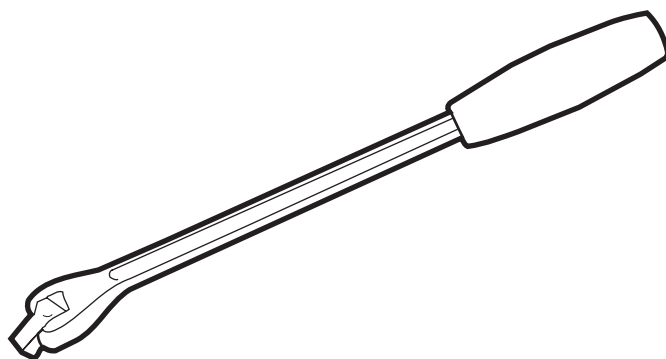
Gelenkgriff

Poignée

Ledhandtag

84 15 61

With 1/2" □ drive and total length 390 mm



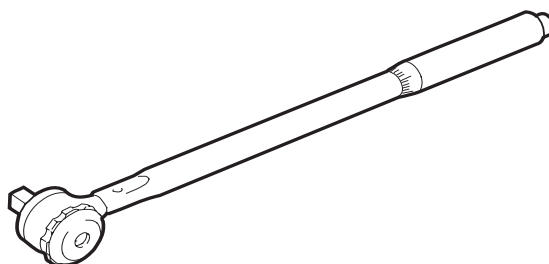
Torque wrench

Dremoment-Schlüssel

Clé dynamométrique à déclenchement

Momentnyckel

	□ Drive	Range
84 15 73	1/4"	4-25 Nm
84 15 60	1/2"	28-67 Nm
84 15 64	1/2"	60-320 Nm
84 15 65	3/4"	150-800 Nm



Torque multiplier

Drehmomentverstärker

Amplificateur de couple

Momentutväxlare

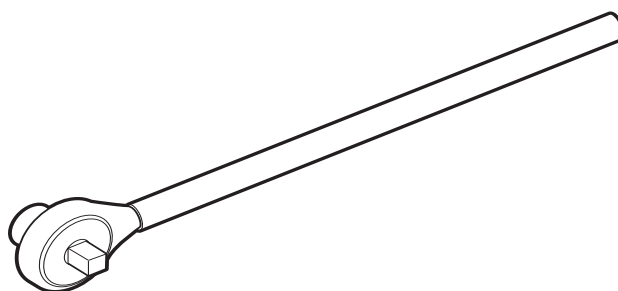
84 20 15

Enlarge your input force four times.

With input hole □ 1/2" and output plug □ 3/4".

Max output force 1400 Nm.

May not be used together with electrical or compressed air impact wrenches.



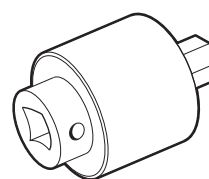
Torque limiter

Dremoment begrenzer

Moment limiter

Momentbegränsare

	□ Drive	Range
84 15 60	1/2"	28-67 Nm



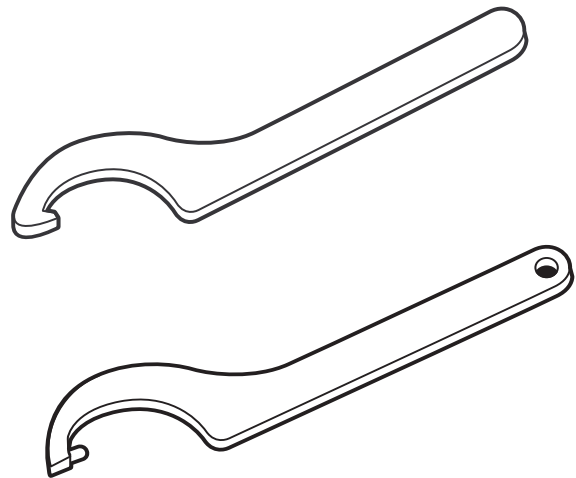
"C" hook wrench

Hakenschlüssel

Clé à ergots

Haknyckel

For nuts with outer diameter		
84 15 03	HN6	45 mm
84 15 13	HN7	52 mm
84 15 05	HN8	58 mm
84 15 11	HN9	65 mm
84 15 14	HN10	70 mm
84 15 09	HN11	75 mm
84 15 04	HN12	80 mm
84 15 12	HN14	92 mm
84 15 08	HN15	98 mm
84 15 10	with pin dia.7,8	95-100 mm
84 15 06		120-130 mm
84 15 17	718909	150-195 mm
84 15 18	718910	195-200 mm



Socket

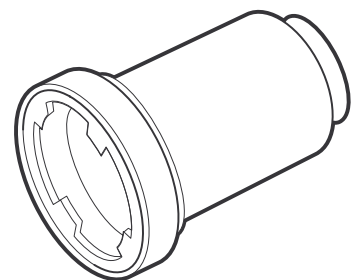
Steckschlüsseinsatz

Douille

Hylsa för KM-muttrar

For round nut

		Outside diameter of nut	□ Drive	Outside diameter of socket	Clearance depth
84 10 39	4-KM 3	28 mm	1/2"	36 mm	63 mm
84 10 35	4-KM 4	32 mm	1/2"	38 mm	63 mm
84 10 25	4-KM 6	45 mm	1/2"	53 mm	75 mm
84 10 26	4-KM 7	52 mm	1/2"	60 mm	75 mm
84 10 23	4-KM 8	58 mm	1/2"	68 mm	75 mm
84 10 27	2-KM 9	65 mm	3/4"	73 mm	82 mm
84 10 28	2-KM 10	70 mm	3/4"	78 mm	82 mm
84 10 29	2-KM 11	75 mm	3/4"	83 mm	82 mm
84 10 30	2-KM 12	80 mm	3/4"	88 mm	82 mm
84 10 32	9-KM 14	92 mm	1"	103 mm	135 mm
84 10 36	9-KM 18	120 mm	1"	131 mm	135 mm
84 10 37	9-KM 19	125 mm	1"	137 mm	135 mm
84 10 38	9-KM 20	130 mm	1"	143 mm	135 mm



Pin-punch set

Durchschläger-Satz

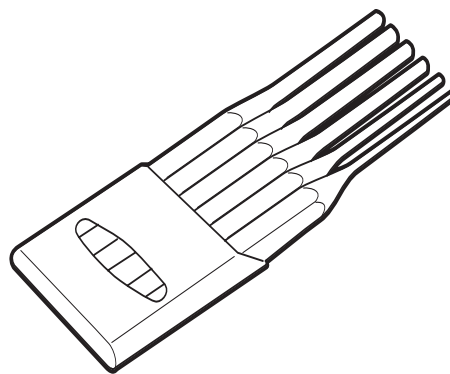
Composition chasse goupille

Drivdornsats

84 16 89

The rack contains six pin-punches of different sizes. 3-4-5-6-7-8 mm.

The lengths are 150 mm.



Circlip pliers

Nutringzange

Pince pour circlips

Spårringstång

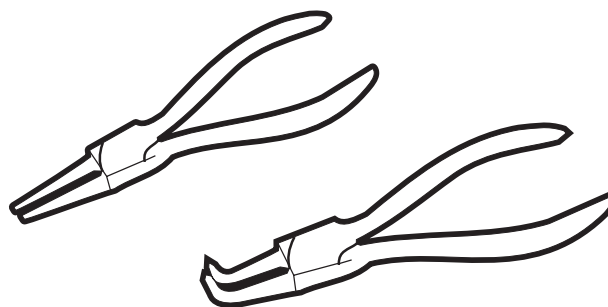
For outside circlip (SgA)

84 08 01	straight	10-25 mm
84 08 02	"	19-60 mm
84 08 03	"	40-100 mm
84 08 04	"	85-165 mm
84 08 19	angled	8-25 mm
84 08 20	"	19-60 mm
84 08 21	"	40-100 mm
84 08 22	"	85-165 mm



For inside circlip (SgH)

84 08 08	straight	8-25 mm
84 08 09	"	19-60 mm
84 08 10	"	40-100 mm
84 08 11	"	85-165 mm
84 08 27	angled	19-60 mm
84 08 28	"	40-100 mm
84 08 29	"	85-165 mm



Cartridge gun
Patronenpistole
Patronpistol

84 15 30

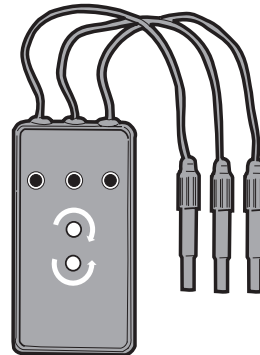
Cartridge gun for standard cartridges.
 Use it for Grease Cartridge part No
 902061 (280gram, 9,88oz). Variable
 feeding.
 Length: 300 mm



Phase sequence indicator
Phasefolgeanzeiger
Indicateur d'ordre de phase
Fasföjdsvisare

84 09 98

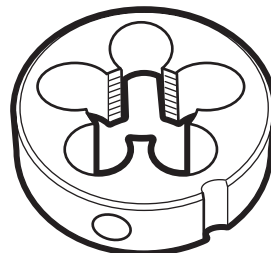
Technical data:
 Voltage 100-660 V
 Frequency 40-60 Hz
 Dimensions 100 x 50 x 25 mm



Threading die
Gewindeschneideisen
Filieres acier hante resistance
Gängsnitt

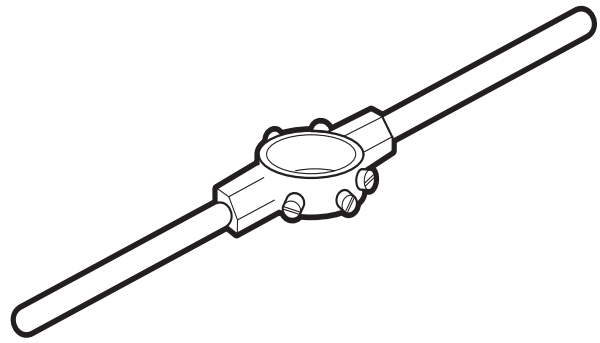
Circular solid pattern. Made of high speed steel.
 With grinded profile.

		Outside diameter
	Size	x thickness
84 10 02	M 12	38x14 mm
84 10 05	UNC 5/8"	45x18 mm
84 10 06	G 1/8"	30x11 mm
84 10 07	G 1/4"	38x10 mm
84 10 08	G 1/2"	45x14 mm
84 10 03	M 30x1,5	65x18 mm



Circular diestock
Schneideisenhalter
Porte filieres
Gångkloppa

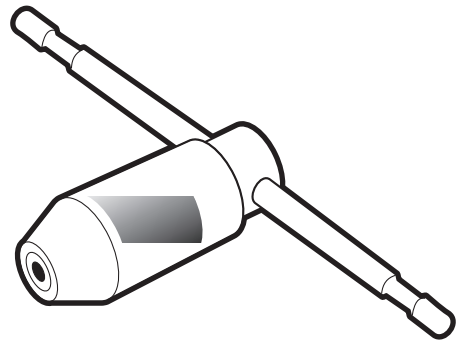
		Die diameter
	For die x thickness	
84 10 11	G 1/4"	38x10 mm
84 10 12	M 12	38x14 mm
84 10 13	G 1/2"	45x14 mm
84 10 15	UNC 5/8"	45x18 mm
84 10 14	M 30x1,5	65x18 mm



Tap wrench
Windeisen
Porte outil à cliquet
Gängtappshållare

84 13 81

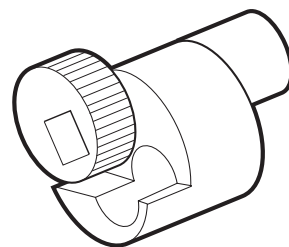
Chuck type. Usable up to M8-UNC 5/16".



Stud remover-setter
Stiftschrauben-Ausdreher
Extracteur de goujon
Pinnbultsutdragare

84 13 55

Used for studs with size M8-M19. Hexagon head for spanner. 1/2" □ drive.



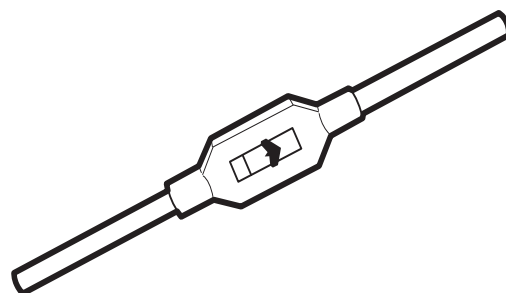
Tap holder

Windeisen

Porte outil

Svängjärn

84 13 69



Bar type. Adjustable. Working range M11-M27 and UNC 5/16"-11/8". Also good for reamers. Total length = 500 mm.

Hand tap

Handgewindebohrer

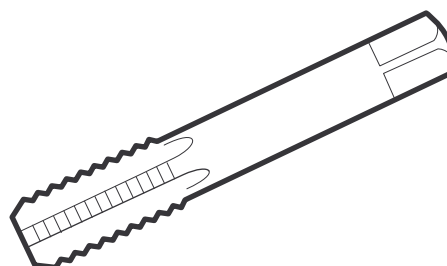
Tarauds

Gängtapp

High speed steel. Ground to accurate profile after the hardening. Chamfering length = 2 threads.

Thread & Pitch

84 13 73	M3	0,5 mm
84 13 74	M4	0,7 mm
84 13 75	M5	0,8 mm
84 13 76	M6	1,0 mm
84 13 78	M8	1,25 mm
84 13 79	M10	1,5 mm
84 13 80	M12	1,75 mm
84 13 82	M14	2,0 mm
84 13 83	M16	2,0 mm
84 09 71	M20	2,5 mm
84 09 73	M24	3,0 mm
84 09 74	1/4 - 20 UNC	
84 09 75	5/16 - 18 UNC	
84 09 76	3/8 - 16 UNC	
84 09 77	7/16 - 14 UNC	
84 09 78	1/2 - 13 UNC	
84 09 79	9/16 - 12 UNC	
84 09 80	5/8 - 11 UNC	
84 09 81	3/4 - 10 UNC	
84 09 82	7/8 - 9 UNC	
84 09 83	1 - 8 UNC	



Rapid action chain block

Schell Kettenzug

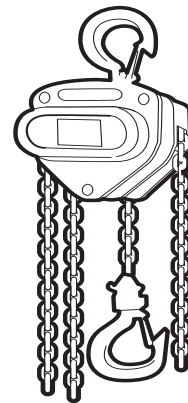
Moule à chaîne rapide

Lyftblock

Galvanized hand- and load chain, chrome-nickel steel hooks and safety catches. Ball bearings throughout and completely enclosed.

Weight with 7m chain = 16 kgs

	Capacity	Lifting height	Min. Hook separation
	Kp	m	mm
84 63 62	500	7	315



Pillar slewing jib crane

Schwenkarm - Hubzug

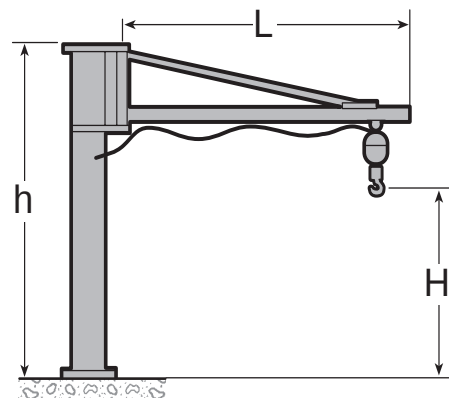
Treuil électrique sur potence

Svängkran

84 13 53

The base stand should be bolted onto the floor. Check the strength of the floor. Reinforce if necessary. Single chain.

Lifting capacity	500 kg
Lifting height, H	2,75 m
Jib length, L	4 m
Pillar height, h	4 m
Lifting speed (fast)	8 m/min
Lifting speed (slow)	2 m/min
Voltage	400 V, 50 Hz
Power input	1,0 kW



Lifting loop

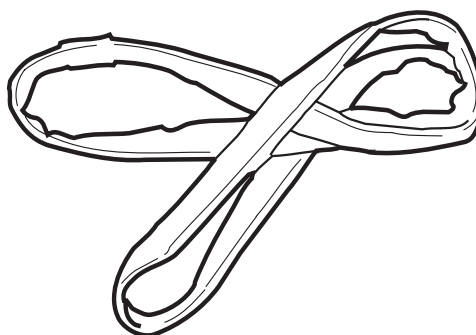
Hebetrosse

Câble de levage

Lyftstropp

Made of synthetic fibre. Dressed with seamless covering.

	Capacity (straight lift)	Circumference (i.e. endless)
82 91 00	1000 kg	1 m
82 91 01	1000 kg	2 m
82 91 02	1000 kg	3 m
82 91 03	1000 kg	4 m
84 15 76	1000 kg	6 m
82 91 04	2000 kg	4 m
84 15 77	5000 kg	2 m
84 14 92	12000 kg	10 m



Crab bar

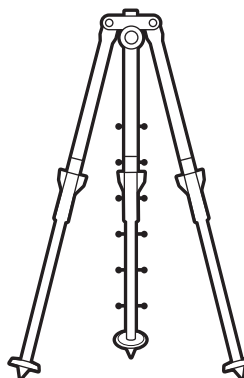
Dreiböcke

Pylône levant

Trebensbock

82 92 00 With three telescopic and folding legs.
Eyelet for pulley block.

Max. lifting capacity 500 kg
Max. lifting height 2,05 m
Total height 2,50 m
Weight 17 kg
Retracted length 1,50 m



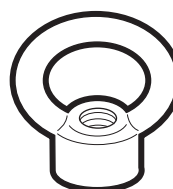
Lifting eye

Hebeöse

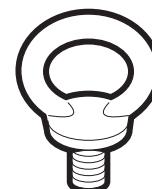
Ecroue à oreilles

Lyftöglemutter

	Tread	Capacity (straight lift)	Model
82 30 68	M 16	700 kg	H
82 30 69	M 20	1200 kg	"
82 30 89	M 8	140 kg	T
82 30 90	M 10	230 kg	"
82 30 91	M 12	340 kg	"
82 30 92	M 16	700 kg	"
82 30 93	M 20	1200 kg	"
82 30 94	M 24	1800 kg	"
82 30 95	M 30	3600 kg	"



H



T

Oil-drainage pump

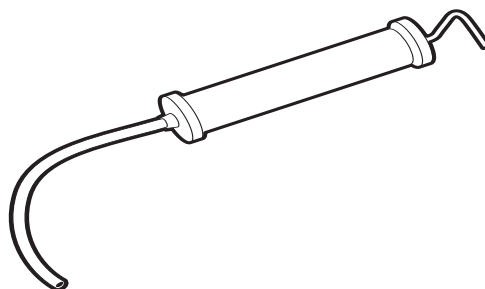
Oilpumpe

Pompe à huile

Pump

83 95 42

Specially for bigger pumps where you have difficulty to lean the pump for changing oil and in CT-installations. Gives 0,08 l/stroke. Length = 365 mm



Lifting jack

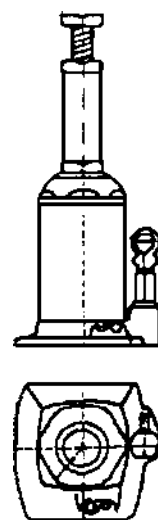
Fusswinde

Dôme vérin

Domkraft

84 07 90

Max loading	12000 kgs / 120 kN
Min. height	180 mm
Hydraulic lifting height	95 mm
Adjusting screw	40 mm
Total height	315 mm
Lever lenght	600 mm
Weight	7,3 kgs



Pressure oil kit

Druckölensatz

Jeu d'appareil sous pression

Monteringsverktyg för lager

84 20 16

The kit consist of:

Oil injector

Bracket for the injector

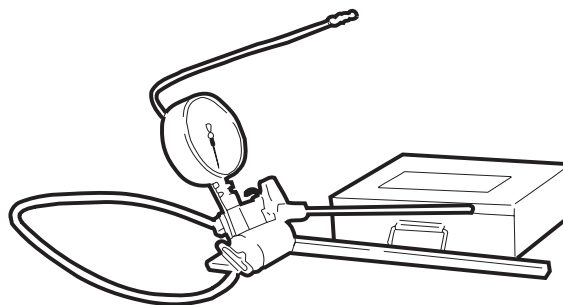
High pressure pipe

Pipe fittings

Pressure gauge 0-250 MPa

Carring case 340x310x95 mm

Weight 10 kgs



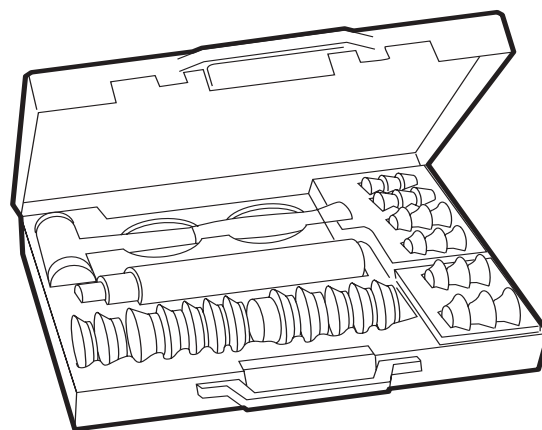
Bearing mounting set
Wälzlager-Montageset
Jeu de montage-palier
Lagermonteringssats

84 15 45

Used for quick, precise and safe mounting of bearings with bore diameters from 10 to 50 mm. The right combination of impact ring and sleeves ensures that mounting forces are not transmitted via the rolling elements of the bearing.

Technical data:

Impact rings	bore dia. 10-50 mm
Sleeve	bore dia. 18, 32, 52 mm
Hammer	TMFT 33-H, weight 1,0 kg
Dimensions	440x350x95 mm
Weight	4,5 kg



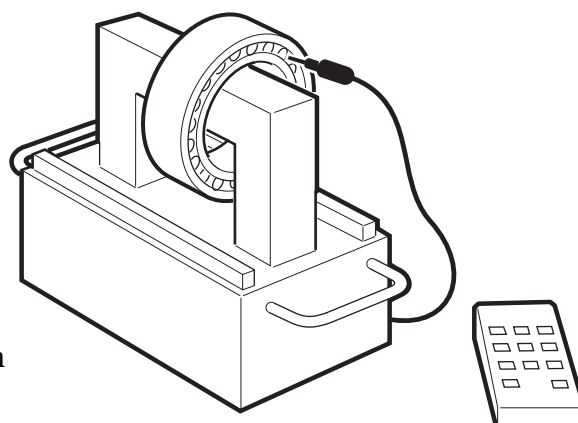
Induction Heater
Induktions-Heizgerät
Chauffage à induction
Lagervärmare

84 20 41

The induction heater are safe and easy to use.
 You can use the heater to both bearings and to other components.

Technical data:

Voltage 50 Hz	230 V
Power consumption(max)	8 kVA
Temperature control	
Range	0°C to 250°C,
Accuracy	3°C
Time control	0 to 60 min
Demagnetization	Residual magnetism
(Automatic)	better than 2A/cm
Dimensions (w x d x h)	525 x 354 x 304 mm
Space between supports	200 x 135 mm
Weight (heater only)	42 kg
Weight (with yoke(s))	57 kg



Portable electric drill
Handbohrmaschine
Perceuse a main
Handbormaskin

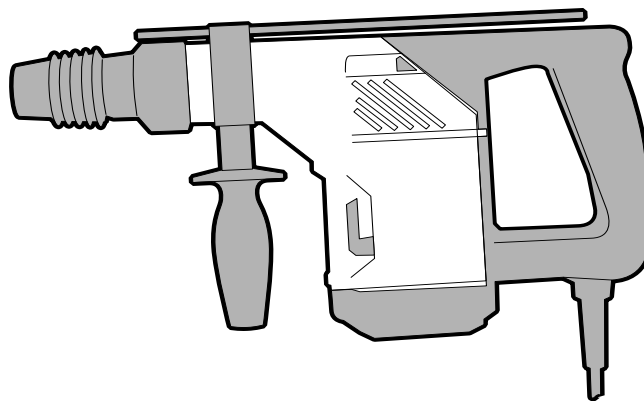
83 70 83

Application

- * Setting HVA adhesive anchors and rebar sections in adhesive (using a rebar setting tool)
- * Drilling anchor holes in concrete, stone and masonry; recommended drill bit range: 12 to 20 mm diameter, total drill bit diameter range 5 to 38,5 mm
- * Drilling masonry with core bits up to 90 mm diameter
- * Drilling into wood and steel using a quick-release chuck for twist drills up to 13 mm diameter with a cylindrical connection end
- * Drilling into wood and lightweight materials using forming bits from 10 to 35 mm diameter
- * Light-duty corrective chiselling with pointed and narrow-flat chisels

Technical data:

Speed under load:	1 st speed: 0 - 310 r.p.m. 2nd speed: 0 - 640 r.p.m.
Hammering speed under load:	0 - 3720 blows/min
Machine weight:	approx. 4.9 kg
Drilling performance in B 35 concrete using a 16 mm diameter drill bit:	60 cm ³ /min



Combihammer
Handbohrmaschine
Perceuse a main
Handborrmaskin

83 70 84

Drilling anchor holes and penetrations (through-holes) in concrete, stone and masonry; cutting recesses, chiselling (pointed and shaped), reworking, plaster removal and surface working

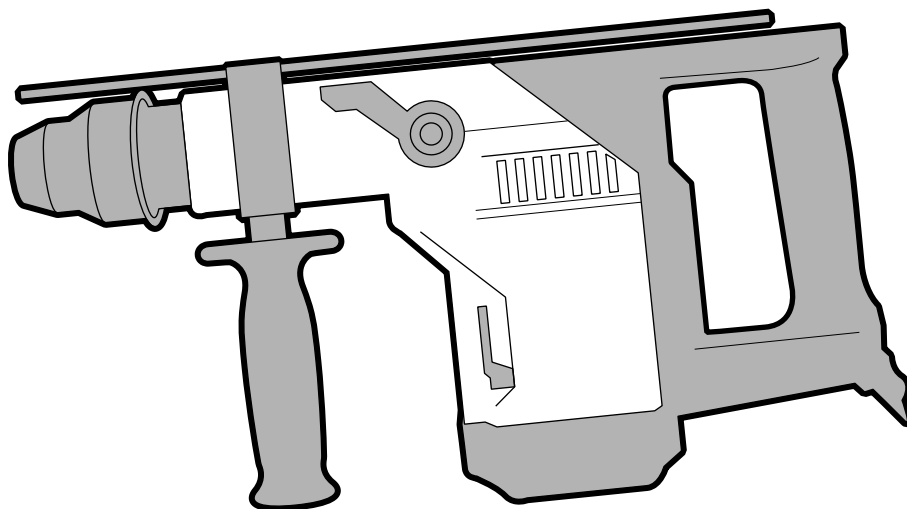
* Drilling into concrete and masonry using drill bits from 12 to 32 mm diameter, breach bits from 40 to 55 mm diameter and percussion core bits from 43.5 to 90 mm diameter

* Chiselling with pointed, narrow-flat, wide-flat, hollow, channel, round as well as mortar chisels and bushing tool

Two speeds, electronic switch for accurate hole starting and two-level hammering power regulation for precision chiselling.

Technical data:

Speed under load:	1st speed: 0 - 230 r.p.m. 2nd speed: 0 - 480 r.p.m.
Hammering speed under load:	0 - 2630 blows/min.
Machine weight: approx.	5,9 kg
Drilling performance in B 35 concrete with 20 mm diameter drill bit:	68 cm ³ /min.
Chiselling performance for a breach in medium-hard concrete:	approx. 300 cm ³ /min

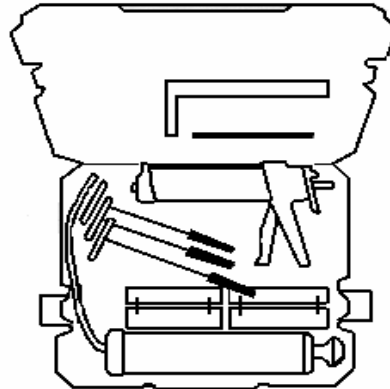


Basic set
Grundausrüstung
Grundsats

84 56 88

The Basic set consist of:

		Qty
84 56 85	Dispenser	1
84 59 65	Brush, 13 mm	1
84 59 66	Brush, 18 mm	1
84 59 67	Brush, 28 mm	1
84 56 89	Dual foil pack holder	2
83 73 98	Blow-out pump	1



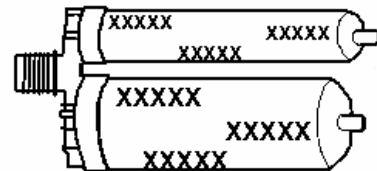
Note! Adhesive is not included in the Basic set, see part No 84 56 82.

Adhesive
Injektionsmörtel
Injekteringsmassa

84 56 82

Foil pack incl. 2 mixers.

Adhesive shall be used for application under water. Use it together with chemical anchor, anchor bolt or anchor sleeve.

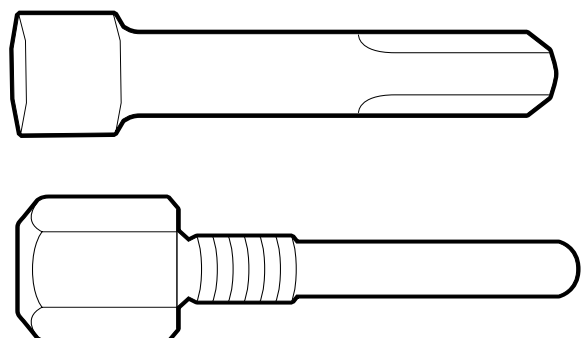


For concrete: medium and heavy-duty fastenings, such as for rebar, rails, channels, brackets, steel beams, machines etc.

Mounting tool
Montagewerkzeug
Outil de montage
Monteringsverktyg

Assembling tool for anchor bolt in HVU chemical anchor mass and HIS anchor sleeves.

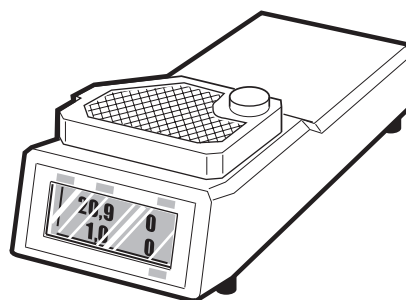
	For	
83 51 60	M8	anchor bolt
83 51 61	M10	"
83 51 62	M12	"
83 51 63	M16	"
83 51 64	M20	"
83 51 65	HIS M16	anchor sleeve
83 51 66	HIS M20	"



Gas detector unit
Gasnutzungseinheit
Unite de Détecteur gaz
Gasspårningsenhet

84 64 18 Gas detector unit

A multi-gas monitor for up to four gases - oxygen, combustible and two toxic gases. Designed specifically for confined space entry and continuous protection when working in hazardous areas, MiniGas-MK5 has applications in the petrochemical, water, telecommunications, chemical, mining and transport industries.

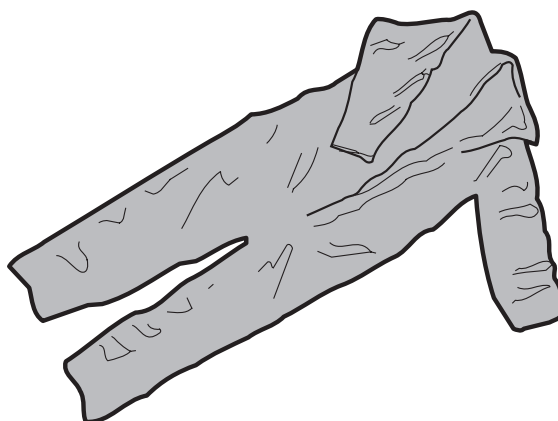


- * Four gases monitored with optional datalogging
- * Choose from oxygen, combustible, carbon monoxide, hydrogen sulfide, chlorine and sulfur dioxide
- * Rugged die cast metal case
- * Interchangeable dry cell or rechargeable (NiMH or NiCd) battery packs

Disposable clothes
Einmalige Kleider
Pour usage une seule fois
Skyddsoverall

With zipper and hood, but without pockets.

	Size	
84 50 09	M	Medium
84 50 10	L	Large
84 20 12	XL	Extra large
84 50 08	XXL	Extra extra large



LP-gas set

Propan-Gasbrenner-Satz

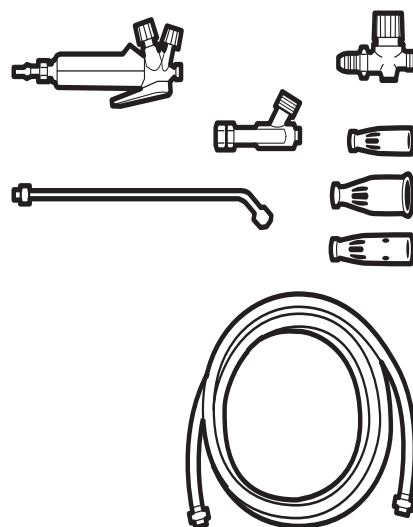
Bruleur à gaz

Gasolbrännarsats

A set specially for small stators removal and miscellaneous heating.

84 12 47 Complete kit consists of:

- 84 09 92 Reducing valve, capacity 20 kgs/h
- 83 91 69 Hose blow valve, max.flow 12 kgs/h at 400 kPa
- 84 09 93 Hose, complete with connections, length=4 m
- 84 09 94 Burner handle with valves
- 84 09 91 Blow-pipe, bent, length=0,18 m
- 84 09 90 Blow-pipe, bent, length=0,5 m
- 84 09 87 Burner nozzle, capacity 115 grs/h
- 84 09 88 Burner nozzle, capacity 1200 grs/h
- 84 09 89 Burner nozzle, capacity 4100 grs/h



Note! Gas bottle is not included in the set.

LP-gas set

Propan-Gasbrenner-Satz

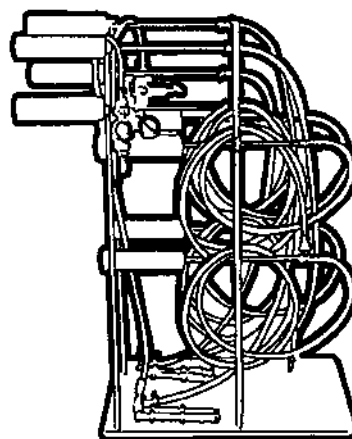
Bruleur à gaz

Gasolbrännarsats

462 30 00

The capacity for the eight burners together is 40 kgs/h.

Consists of: LP-gas burners (8)
stands(4)
valves, couplings and hoses.



Work bench

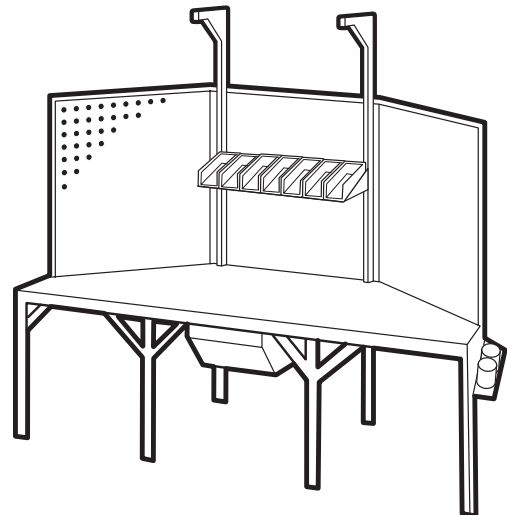
Werkbank

Etabli

Arbetsbänk

395 78 00

A sturdy, well-planned bench with panels for toolhanging, frame for boxes, holder for nut runner. Frame for lightning. Equipped with drawer and plastic boxes. Reinforcement for vice. When shipped you have to do small weldings to get it mounted. For details and measurements see drawing No. 395 78 00.



(Tools not included)

Work bench

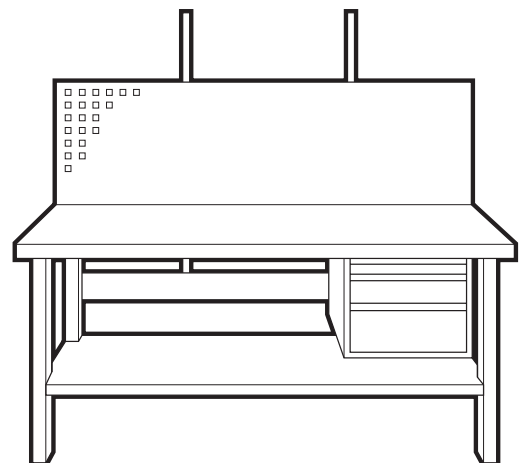
Werkbank

Etabli

Arbetsbänk

84 07 55

A "straight" work bench with panels for toolhanging. Equipped with three drawers. Includes lightning. Length x Width = 2000 x 800 mm



(Tools not included)

Side bench

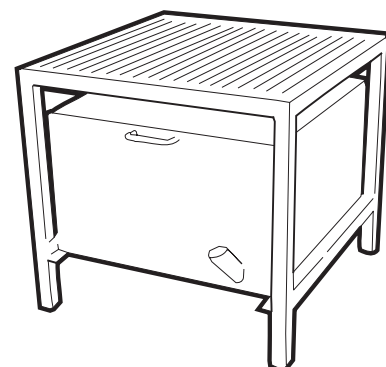
Montagebock

Etabli lateral

Avlastningsbord

395 77 00

With surface which allows oil-waste to drop into the sample-box beneath. Dimensions 800 x 800 mm, height = 700 mm
See drawing No. 395 77 00



Tool hanger
Werkzeughalter
Porte Outil
Krok

Specially for the panels of work bench
 part No. 395 78 00

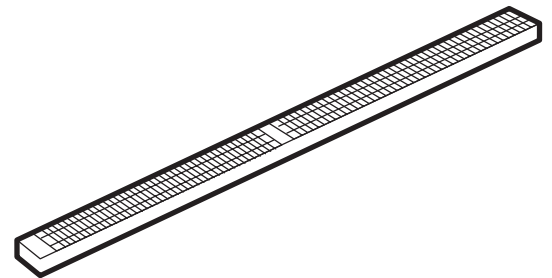
		Dimensions,mm
84 08 68	Tongs hook	35x17
84 08 69	Tongs hook	55x17
84 08 70	Loop hook	id =60
84 08 71	Single hook	50xO4
84 08 72	Single hook	100xO6
84 08 73	Double hook	150xO6x25
84 08 74	Chisel hook	220xO12
84 12 34	Spring clip hook	id 12
84 12 35	Spring clip hook	id 17
84 12 37	Angle hook, double	43xO4x40



Fluorescent lamp
Leuchtstoff-Lampe
Appareil déclairement fluorscent
Lysrörsarmatur

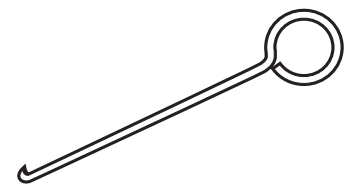
84 13 52

Fits work bench 395 78 00. Includes 2x36 W lamps,
 230 V/50 Hz, to be installed by approved electrician.



Spring puller
Federabzieher
Arrache ressort
Fjäderavdragare

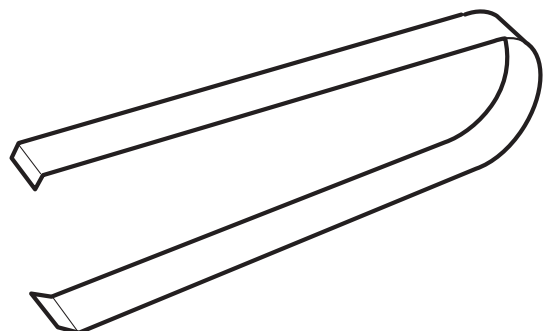
332 91 00



Special plier
Spezialzange
Pinze special
Specialtång

For removal of small shaft-seals.

Length	
150 mm	216 68 00
270 mm	216 68 01



Puller

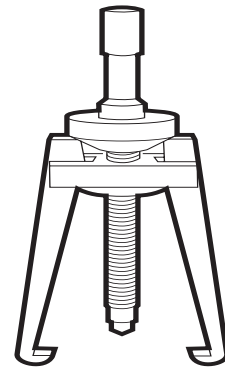
Abzieher

Extracteur

Avdragare

84 20 48

Fits many of the smaller pumps' upper ball-bearings. Two straight jaws of springsteel. Beveled guiding forces the jaws together. Max. spread 100 mm. Max. reach = 100 mm. Weight = 0.9 kg.



Puller

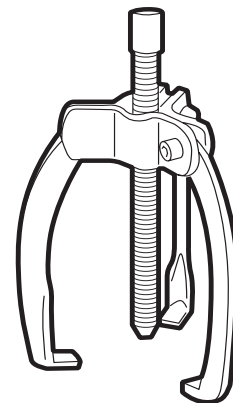
Abzieher

Extracteur

Avdragare

84 13 62

Three curved jaws which are automatically forced towards center when used. Very sturdy design with max. spread of 250 mm and max. reach of 200 mm. Weight = 4,2 kgs.



Puller

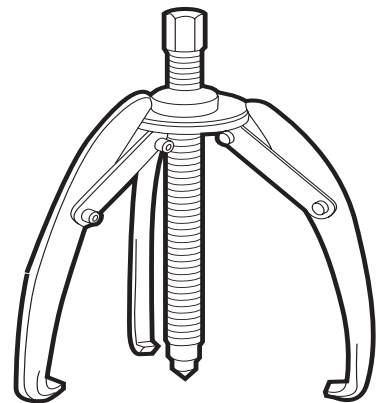
Abzieher

Extracteur

Avdragare

84 13 63

Curved jaws of springsteel. Three jaws are forced together by a beveled guiding. Max. spread and max. reach are the same = 300 mm. Weight = 12,2 kgs.



Puller

Abzieher

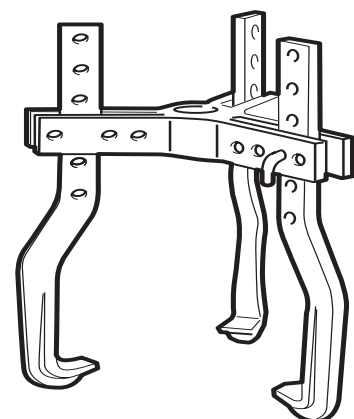
Extracteur

Avdragare

84 14 40

Yoke with three jaws and connection pins.

With the jaws 90° to the yoke spread is 300 mm and reach 400 mm. Without spindle wherefore you have to use a jack between the yoke and e.g. the shaft end.



Standard pullers

Puller

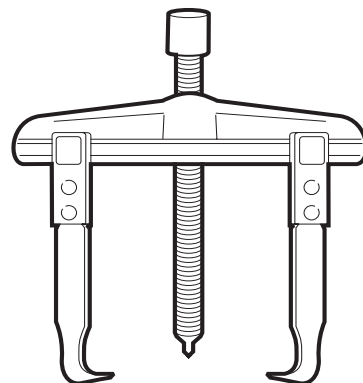
Abzieher

Extracteur

Avdragare

84 13 60

Two-jaws puller. The jaws can slide on the yoke and also be used for inside gripping. Max. spread 200 mm. Max. reach = 150 mm. Weight = 2,6 kgs.



Puller

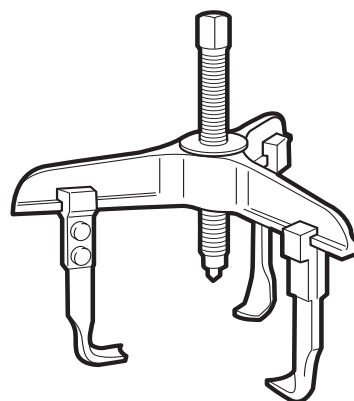
Abzieher

Extracteur

Avdragare

84 20 49

Three-jaws with max. spread of 375 mm. Max. reach 200 mm.



Extra long jaw

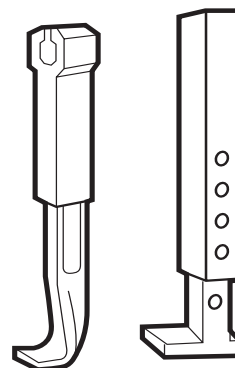
Abzieher-Verlängerung

Arrache à crochets longs

Extra lång arm

Complete sets

	for puller	max.reach
84 13 61	84 13 60	300 mm
84 14 45	84 20 49	500 mm



Impeller puller set

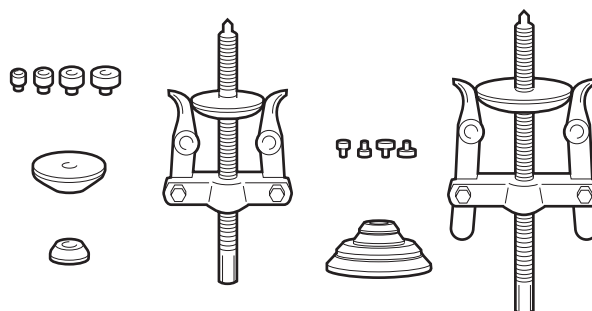
Lauftrad-Abzieher-Satz

Jeu d'extracteur

Avdragarsats

395 70 00

A set of two which suits almost every C-impeller from 3050 upto 3201. Consists of modified pullers with special discs to force the jaws outwards to grip into the impeller's inlet, which can have an inside diameter up to 200 mm.



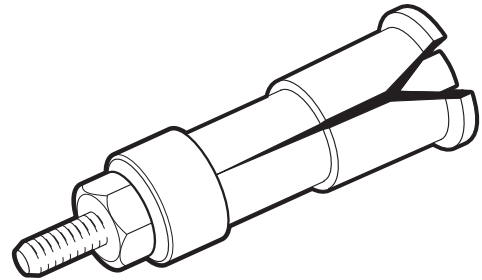
Puller sleeve

Abziehhülse

Douille extracteur

Avdragarhylsa

When the sleeve expands, the wedge-shaped jaws are forced under the part which is to be extracted. Must be used with counter-stay.



Expanding range

45-58 mm	84 28 73
56-70 mm	84 20 51
70-100 mm	84 28 74

Puller

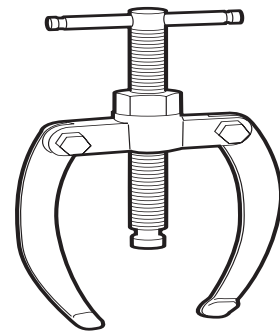
Abzieher

Extracteur

Avdragare

Suits

45-70 mm	84 20 50
70-100 mm	84 65 10



Hydraulic press

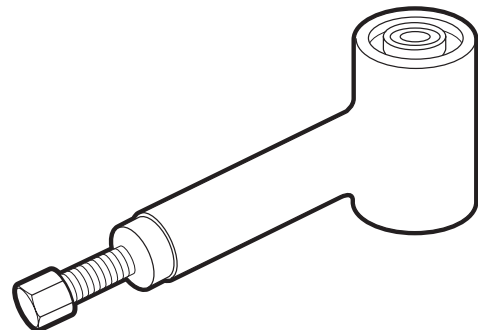
Hydraulische Presse

Hydraulique de press

Hydraulisk press

84 20 20

Ram attachment. To be placed between the spindle of the puller and the shaft.
Max. pressure appr. 15 tons.



Hydraulic unit

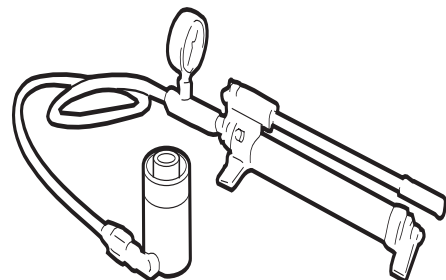
Hydraulik-Einheit

Verin hydraulique

Hydraulenhet

84 13 68

You need this unit for many of the pullers. Consists of a hand-driven hydraulic pressure pump, hose with couplings and the working cylinder which develops a power of 200 kN.

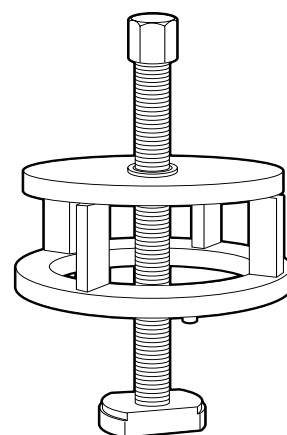


Stator puller
Statorabzieher
Extracteur de stator
Statorurdragare

When the rapid warming-up of the stator-housing isn't enough to get the stator dropped out, you can apply extra force to the stator by using these stator-removers.

See also "*Special tools for Mixers*" and "*Special tools for drive units*".

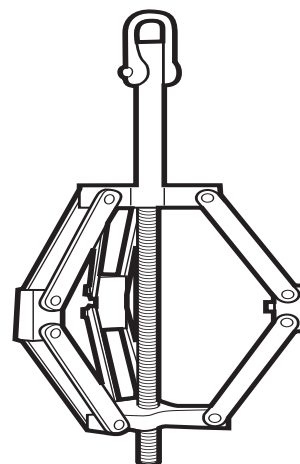
Product	Stator remover	Remark
2041	397 20 03	
2060	397 20 00	
3033	400 25 00	
3041	397 20 03	
3050	397 20 01	with stator 2812
3060	397 20 00	
3065.150	397 20 01	with stator 2812
3065.180	397 20 02	with stator 1714
3065.150	397 20 02	with stator 1714
3082	400 30 00	Pusher type
3085	403 90 00	
3101	400 30 00	Pusher type
3102	394 69 00	
3126	400 30 00	Pusher type
3127	394 69 00	
3200	400 46 00	Pusher type
4350	397 20 03	
4400	403 90 00	
4410	403 90 00	
4430	394 69 00	
4630 & 4640	587 83 00	
4650 & 4660	587 83 01	
4670 & 4680	587 83 02	



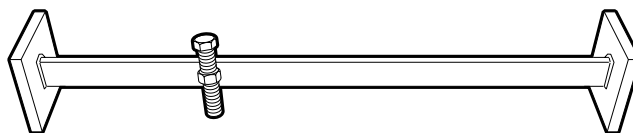
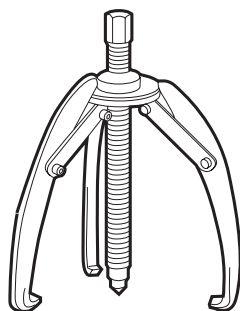
Stator lifting device
Statorausheber
Arrache stator
Statorlyftare

A tool to get hold of the stators, either you take an old one away, or when you shall fit the new one into the hot stator-housing. Lockable. Two working ranges.

For 130-170 mm I.D.	394 69 00
For 225-360 mm I.D.	394 70 00

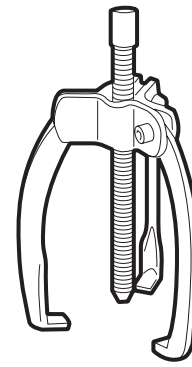
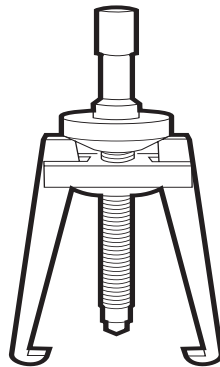


Impeller puller
Lauftradabzieher
Extracteur de roue
Hjulavdragare



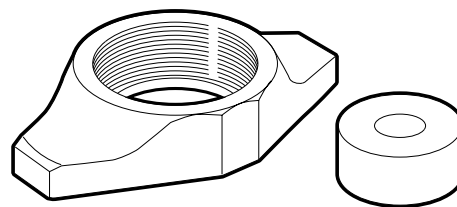
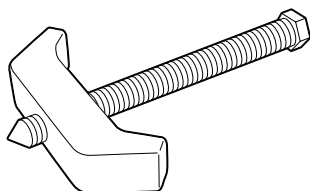
Model	Pulling equipment	Type	Remark
2004	-----		
2008	-----		
2040	849132	Screw	
2041	849132	Screw	
2050	2031640	Sleeve	
2051	814158	Screw	
2052	842048	Yoke	
2052	2031640	Sleeve	For 2052.170 & 2052.210 if curve No 232
2060	842048	Yoke	
2066	842048	Yoke	2031640 socket for old versions
2070	841360	Yoke	Outer HT-impeller
2071	842048	Yoke	Others
2075	2031640	Sleeve	For .440 and .460 use 842048
2076	842048	Yoke	
2082	842048	Yoke	For impellers 33752xx & 33754xx use 841360
2083	841360	Yoke	For HT-version also use 841361 (long jaws)
2084	841360	Yoke	For HT-version also use 841361 (long jaws)
2101	2031640	Sleeve	

Impeller puller
Lauftradabzieher
Extracteur de roue
Hjulavdragare



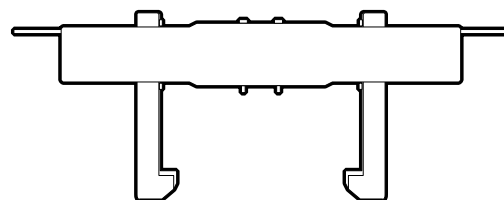
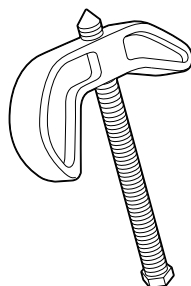
Model	Pulling equipment	Type	Remark
2102	814003	Screw	
2125	842048	Yoke	2843400 socket for old versions
2125.690	6605900		Power socket wrench for diffusor and oil housing
2135	841363	Yoke	
2140	842048	Yoke	
2151	814021	Screw	
2201	841362	Yoke	814021 (screw for old versions)
2250	841362	Yoke	2855000 Socket for old versions
2400	841363	Yoke	Only MT-version
2400	4002100		Measuring tool for HT-impellers adjustment

Impeller puller
Lauftradabzieher
Extracteur de roue
Hjulavdragare



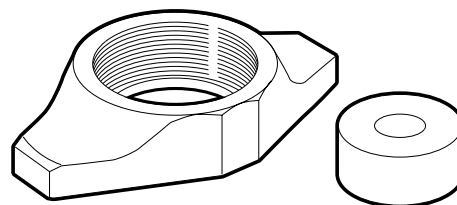
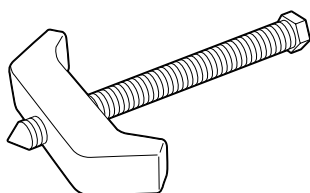
Model	Pulling equipment	Type	Remark
3033	842048	Yoke	
3040	849132	Screw	
3041	849132	Screw	
3050	2513502	Bar	
3060	842048	Yoke	
3065	2513503	Bar	Only .150-version
3065	2498901	Bar	Only .180-version
3066	841360	Yoke	
3067	841360	Yoke	
3075	841362	Yoke	090 and 180 MT
3080	3863200	Yoke	
3082	2499203	Bar	For 379xxxx impellers
3082	3036000	Bar	For 3041xxx impellers
3085	820490	Screw	Together with 841362
3085	841360	Yoke	For D-impellers
3085	841362	Yoke	Together with 820490 Screw for Nevaclog impellers
3085	842048	Yoke	For .170 & .171 versions
3085	2499203	Bar	For LL & LT impellers
3085	2513502	Bar	For GF-version
3085	2513503	Bar	For HT-impellers
3085	3036000	Bar	For MT-impellers
3101 & 3102	820495	Screw	Together with 841362
3101 & 3102	841362	Yoke	For D470-impeller. Together with 820495 screw for MT 430-435 impellers
3101 & 3102	842048	Yoke	For .170-version
3101 & 3102	2499205	Bar	For LT 440-442 impellers
3101 & 3102	2957202	Bar	For LT 410-412 impellers
3101 & 3102	3036000	Bar	For MT 436 & 437 impellers
3101 & 3102	3100900	Screw	For 30338xx impellers

Impeller puller
Lauftradabzieher
Extracteur de roue
Hjulavdragare



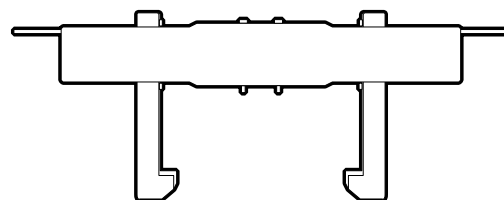
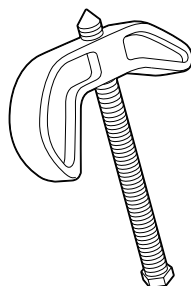
Model	Pulling equipment	Type	Remark
3101 & 3102	3441300	Bar	For HT-impellers
3101 & 3102	3892502	Screw	For F-impellers
3126 & 3127	820660	Screw	Together with 841362
3126 & 3127	841362	Yoke	For D-impellers. Together with 820660 Screw for HT 254-259 & HT 480-485 impellers
3126 & 3127	2499204	Bar	For LL, LT & MT-impellers
3126 & 3127	3035800	Bar	For HS-version
3126 & 3127	3093900	Bar	For HT 250 & HT 461-467 impellers
3126 & 3127	3967000	Screw	For F-impeller & N-impeller
3126 & 3127	4385800	Screw	
3127	6572200	Press	Press for insert ring N-impeller. See instruction card No 6576300
3140	3987100	Bar	HT
3140	3988002	Bar	LT
3140	3992201	Bar	234 & 236
3140	4021000	Bar	MT 214, 234 and 236
3140	3967000	Screw	For N-impeller
3151 & 3152	820660	Screw	See 841363
3151 & 3152	841362	Yoke	For PL
3151 & 3152	841363	Yoke	For D-impellers and together with 820660 Screw for ST-impeller
3151 & 3152	842048	Yoke	Together with 3967000 and 4385800 Screw for F-impeller
3151 & 3152	3967000	Screw	For N-impeller
3151 & 3152	3971100	Bar	For MT 430 & 432 impellers
3151 & 3152	3987100	Bar	For HT-impeller
3151 & 3152	3987800	Bar	For HD-version
3151 & 3152	3988000	Bar	For LL-version
3151 & 3152	3988002	Bar	For LT-impeller
3151 & 3152	3992201	Bar	For MT 434 & 436 impellers
3151 & 3152	4021000	Bar	For MT 431 impeller
3151 & 3152	4385800	Screw	See 842048

Impeller puller
Laufgradabzieher
Extracteur de roue
Hjulavdragare



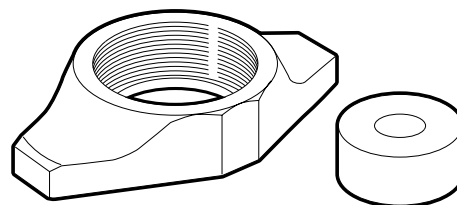
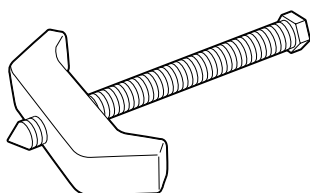
Model	Pulling equipment	Type	Remark
3152	6572200	Press	Press for insert ring N-impeller. See instruction card No 6576300
3170	3988002	Bar	For LT X01-X07
3170	3988004	Bar	For MT X40-X41 & HT X63-X64
3170	4021000	Bar	For MT X42-X43
3170	6091500	Screw	For N-impeller
3200	2726302	Bar	For LT & HT-impellers
3201	2499205	Bar	For HS-version
3201	3988002	Bar	For LT X10-X14 & MT X35-X38
3201	3988003	Bar	For MT X30-X34
3201	3988004	Bar	For HT X50-X58
3201	6091500	Screw	For N-impeller
3201	6572200	Press	Press for insert ring N-impeller. See instruction card No 6576300
<i>For 3210 - see instruction card 4323700</i>			
3210	841368		Hydraulic unit
3210	4361500	Screws	Basic kit
3210	4361600	Bar	Auxiliary kit
3230	841368		Hydraulic unit
3230	4361900	Screws	Basic kit
3230	4361600	Bar	Auxiliary kit
<i>For 3231 - see instruction card 5877400</i>			
3231	841368		Hydraulic unit
3231	4361900	Screws	Basic kit
3231	4367400	Bar	Auxiliary kit
3300	813963	Screw	See 4917400
3300	842049	Yoke	Together with 4792300 Extension & 4792500 Washer for LT-impeller
3300	3444800	Socket	For R-impeller
3300	4005401	Bar	For HT 452-454 impellers
3300	4005403	Bar	For MT 641-648 impellers
3300	4005405	Bar	For MT 632-640 impellers
3300	4792300	Extension	See 842049
3300	4792500	Washer	See 842049

Impeller puller
Lauftradabzieher
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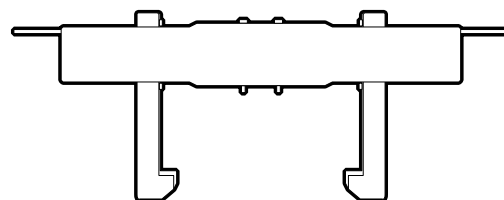
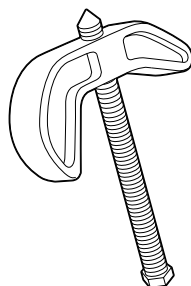
Model	Pulling equipment	Type	Remark
3300	4917400	Yoke	Together with 3 pcs; 813963 Screw for HT 460-468 impellers
3300	6091500	Screw	For N-impeller
3305	841368		Hydraulic unit
3305	842049	Yoke	
3305	4361900	Basic kit	Together with 841368 & 4792400
3305	4792400	Washer	
<i>For 3306 - see instruction card 5877400</i>			
3306	841368		Hydraulic unit
3306	4361900	Basic kit	Together with 4367400
3306	4367400	Sleeve	See 4361900
<i>For 3310 - see instruction card 4323800</i>			
3310	841368		Hydraulic unit
3310	4361500	Screws	Basic kit
3310	4367200		Impeller tool
<i>For 3312 - see instruction card 5877500</i>			
3312	841368		Hydraulic unit
3312	3329100		Spring puller
3312	3994100	Seal tool	
3312	5768301	Washer	For 705-series drive units
3312	5768302	Washer	For 805-series drive units
3312	5768400	Screw	Dismounting screw for washer
3312	5848100	Washer	See 5879400
3312	5877200	Sleeve	See 5879400
3312	5879400	Basic kit	Together with 5877200 & 5848100
<i>For 3350 - 820, 840, 860 & 880 - see instruction card 4367700</i>			
3350	841368		Hydraulic unit
3350	4361500	Screws	Basic kit
3350	4361800	Hub tool	Not needed for dismount the impeller, but needed to change the face seal

Impeller puller
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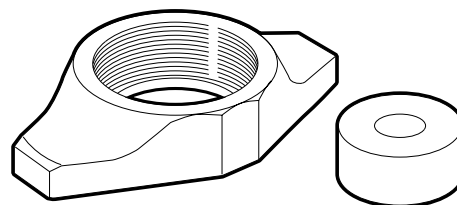
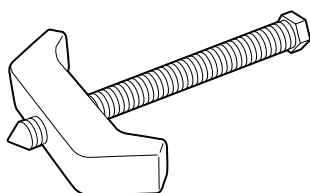
Model	Pulling equipment	Type	Remark
For 3350 - 910 & 940 - see instruction card 4323300			
3350	841368		Hydraulic unit
3350	4361800	Hub tool	Not needed for dismount the impeller, but needed to change the face seal
3350	4361900	Screws	Basic kit
For 3351 - see instruction card 5877600			
3351	841368		Hydraulic unit
3351	5768304	Washer	All tool for 3351 are to be used for both impeller change and mechanical face seal change
3351	5768400	Screw	
3351	5848100	Washer	
3351	5877300	Sleeve	
3351	5879400	Screws	Basic kit
For 3356 - see instruction card 5877400			
3356 C & LL	841368		Hydraulic unit
3356 C & LL	4361900	Screws	Basic kit
3356 C & LL	4367400	Sleeve	All tools for 3356 are to be used for both impeller and seal changes
3356 C & LL	5768300	Washer	
3356 C & LL	5848100	Washer	
For 3400 - see instruction card 5877500			
3400 C & L	841368		Hydraulic unit
3400 C & L	5768301	Washer	For 75 mm shaft end
3400 C & L	5768302	Washer	For 90 mm shaft end
3400 C & L	5768400	Screw	All tools for 3400 are to be used for both impeller and seal changes
3400 C & L	5848100	Washer	
3400 C & L	5877200	Sleeve	
3400 C & L	5879400	Screws	Basic kit
For 3500 - see instruction card 4323900			
3500	841368		Hydraulic unit
3500	3329100		Spring puller
3500	3994100	Seal tool	Basic kit
3500	4361500	Screws	
3500	4361700	Yoke	

Impeller puller
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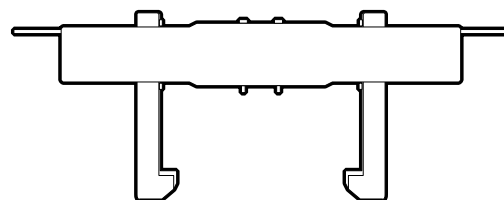
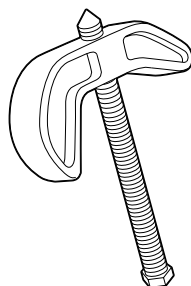
Model	Pulling equipment	Type	Remark
<i>For 3501 - see instruction card 5877500</i>			
3501	841368		Hydraulic unit
3501	3329100		Spring puller
3501	3994100	Seal tool	
3501	5768301	Washer	For 705-series drive units
3501	5768302	Washer	For 805-series drive units
3501	5768400	Screw	Dismounting screw for washer
3501	5848100	Washer	
3501	5877200	Sleeve	
3501	5879400	Screws	Basic kit
<i>For 3530 - 820, 840, 860 & 880 - see instruction card 4367700</i>			
3530	841368		Hydraulic unit
3530	4361500	Screws	Basic kit
3530	4361800	Hub tool	
<i>For 3530 - 910 & 940 - see instruction card 4323300</i>			
3530	841368		Hydraulic unit
3530	4361800	Hub tool	
3530	4361900	Screws	Basic kit
<i>For 3531 - see instruction card 5877500 & 5877600</i>			
3531 C & L	841368		Hydraulic unit
3531 C & L	3329100		Spring puller
3531 C & L	3994100		Assembling tool for seal
3531 C & L	5768301	Washer	For 75 mm shaft end
3531 C & L	5768302	Washer	For 90 mm shaft end
3531 C & L	5768400	Screw	Dismounting screw for washer
3531 C & L	5848100	Washer	
3531 C & L	5877200	Sleeve	
3531 C & L	5879400	Screws	Basic kit
3531 C	841368		Hydraulic unit
3531 C	5768303	Washer	For 110 mm shaft end
3531 C	5768400	Screw	Dismounting screw for washer
3531 C	5848100	Washer	
3531 C	5877300	Sleeve	
3531 C	5879400	Screw	Basic kit

Impeller puller
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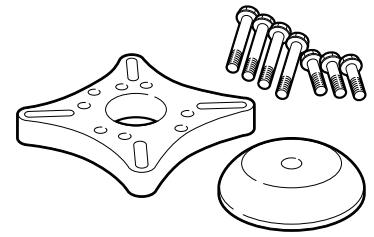
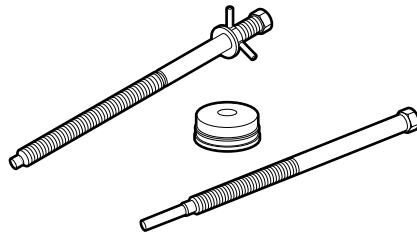
Model	Pulling equipment	Type	Remark
For 3531 - see instruction card 5877500 & 5877600			
3531 LL	841368		Hydraulic unit
3531 LL	4361900	Screw	Mount.- dismount tool
3531 LL	5612400	Sleeve	Impeller puller
3531 LL	5768301	Washer	Locking assy. shaft dia 75 mm
3531 LL	5768302	Washer	Locking assy. shaft dia 90 mm
3531 LL	5768400	Screw	Dismounting screw for washer
3531 LL	5848100	Washer	
For 3601 C - 820 & 860 - see instruction card 432 3900			
3601 C 820 & 860	841368	Hydraulic unit	All tools are to be used for both impeller change and seal change
3601 C 820 & 860	3329100	Spring puller	
3601 C 820 & 860	3994100	For seal	
3601 C 820 & 860	4361500	Screws	
3601 C 820 & 860	4361700	Impeller tool	
3601 C 911 & 941	841368	Hydraulic unit	All tools are to be used for both impeller change and seal change
3601 C 911 & 941	4361700	Impeller tool	
3601 C 911 & 941	4361900	Screws	
3601 LL	841368	Hydraulic unit	All tools are to be used for both impeller change and seal change
3601 LL	3329100	Spring puller	
3601 LL	3994100	For seal	
3601 LL	4361500	Screws	
3601 LL	4361800	Hub tool	
For 3602 - see instruction card 5877500 & 5877600			
For shaft end 75 and 90 mm			
3602 C & L	841368		Hydraulic unit
3602 C & L	3329100	Spring puller	
3602 C & L	3994100		Assembling tool for seal
3602 C & L	5768301	Washer	Locking assy. for 75 mm shaft
3602 C & L	5768302	Washer	Locking assy. for 90 mm shaft
3602 C & L	5768400	Screw	Dismounting screw for washer
3602 C & L	5848100	Washer	
3602 C & L	5877200	Sleeve	
3602 C & L	5879400	Screws	Basic kit

Impeller puller
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Hjulavdragare



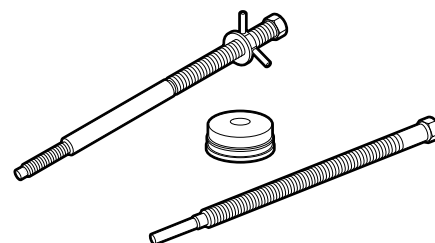
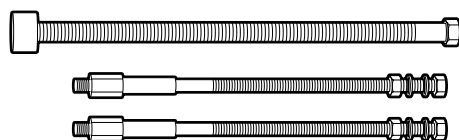
Model	Pulling equipment	Type	Remark
<i>For 3602 - see instruction card 5877500 & 5877600</i>			
For shaft end 110 mm			
3602 C & L	841368		Hydraulic unit
3602 C & L	5768303	Washer	Locking assy. for 110 mm shaft
3602 C & L	5768400	Screw	Dismounting screw for washer
3602 C & L	5848100	Washer	
3602 C & L	5877300	Sleeve	
3602 C & L	5879400	Screws	Basic kit
<i>For 3800 - see instruction card 6021900</i>			
3800	841368		Hydraulic unit
3800	5768400	Screw	Dismounting screw for washer
3800	5848101	Washer	
3800	5892300	Screw	Mounting screw
3800	6021800	Sleeve	
3800	6023100	Screw	Dismounting screw
4000 See "Special tools for Mixers"			
5510	3363004	Screw	Impeller puller
5520	3363004	Screw	Impeller puller
5530	5592103	Bar	Impeller puller
5540	5592104	Bar	Impeller puller
5550	5592105	Bar	Impeller puller
5560	5592106	Bar	Impeller puller

Propeller puller
Propellerabzieher
Tireur de l'hélice
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Model	Pulling equipment	Type	Remark
<i>For 7045 - see instruction card 5301100</i>			
7045	4923600	Bar	Propeller puller
<i>For 7050 - see instruction card 4323400</i>			
7050	841368		Hydraulic unit
7050	4361800	Hub tool	
7050	4361900	Screws	Basic kit
<i>For 7051 - see instruction card 6239900</i>			
7051	5300800	Puller nut	
7051	5301000	Puller screw unit	
7051	6240300	Puller unit	
<i>For 7055 - see instruction card 5301100</i>			
7055	4923601	Bar	Propeller puller
<i>For 7060 - see instruction card 4323200</i>			
7060	841368		Hydraulic unit
7060	4361800	Hub tool	
7060	4361900	Screws	Basic kit
<i>For 7061 - see instruction card 5889300</i>			
7061	5300800	Puller nut	
7061	5301000	Puller screw unit	
7061	5896200	Cross piece unit	
<i>For 7075 & 7076 - see instruction card 5301100</i>			
7075	4923601	Bar	Propeller puller
7076	4923600	Bar	Propeller puller

Propeller puller
Propellerabzieher
Tireur de l'hélice
Propelleravdragare



Model	Pulling equipment	Type	Remark
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For 7080/ 770 & 900- see instruction card 4323200

7080/ 770 & 900	841368	Hydraulic unit	
7080/ 770 & 900	4361800	Hub tool	
7080/ 770 & 900	4361900	Screws	Basic kit

For 7080/ 820 & 860 - see instruction card 4412400

7080/ 820 & 860	841368	Hydraulic unit	
7080/ 820 & 860	4361500	Screws	Basic kit
7080/ 820 & 860	4361800	Hub tool	

For 7081 - see instruction card 5894000

7081	841368	Hydraulic unit	
7081	5300800	Puller nut	
7081	5301000	Puller screw unit	
7081	5874800	Plate	
7081	5890100	Puller compl.	

For 7100 with gear - drive unit 760,770,820,840,860,880 - see instruction card 4583500

7100	841368	Hydraulic unit	
7100	4361800	Hub tool	
7100	4361900	Screws	Basic kit

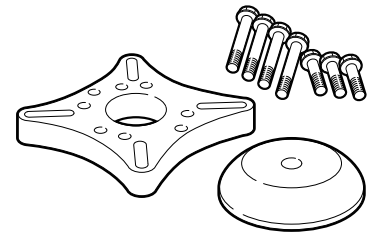
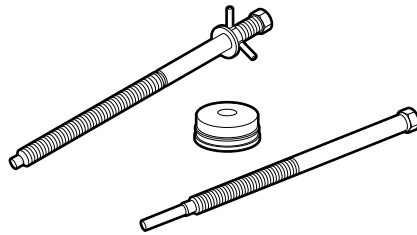
For 7100 without gear - drive unit 820 & 860 - see instruction card 4412400

7100	841368	Hydraulic unit	
7100	4361500	Screws	Basic kit
7100	4361800	Hub tool	

For 7100 without gear -drive unit 900 & 930 - see instruction card 4323200

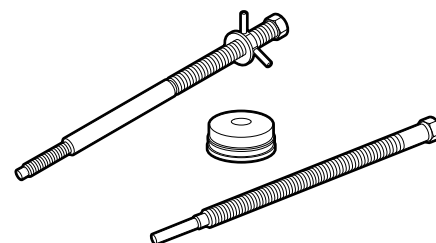
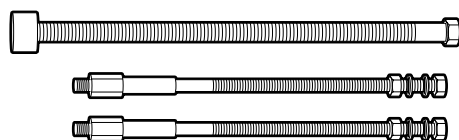
7100	841368	Hydraulic unit	
7100	4361800	Hub tool	
7100	4361900	Screws	Basic kit

Propeller puller
Propellerabzieher
Tireur de l'hélice
Propelleravdragare



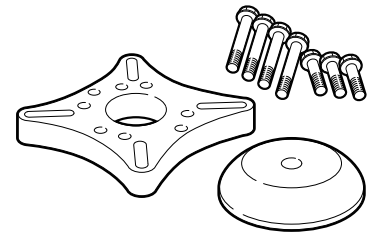
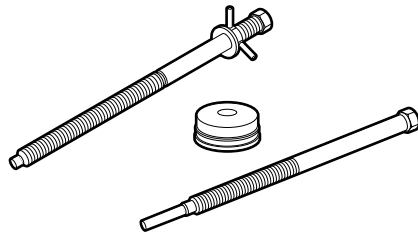
Model	Pulling equipment	Type	Remark
<i>For 7101 - see instruction card 5905900 and 5889400</i>			
7101	841368	Hydraulic unit	
7101	4324500	Washer	
7101	5768400	Puller screw	
7101	5879400	Screws	Basic kit
7101	5889500	Sleeve	When 700 drive unit
7101	5889600	Sleeve	When 800 drive unit
7101	5889800	Puller	
7101	5890500	Spacing screw	
7101	5906000	Mounting tool	
<i>For 7115 - 860 & 900 - see instruction card 5901100</i>			
7115	841368	Hydraulic unit	
7115	4324400	Cross piece	
7115	4361500	Screws	Basic kit
7115	5906200	Hub tool	
<i>For 7115 - 905, 915 & 930 - see instruction card 5901100</i>			
7115	841368	Hydraulic unit	
7115	4324400	Cross piece	
7115	4361900	Screws	Basic kit
7115	5906200	Hub tool	
<i>For 7120 - see instruction card 4583500</i>			
7120	841368	Hydraulic unit	
7120	4324400	Cross piece	
7120	4361500	Screws	Shaft = 140 mm
7120	4361900	Screws	Shaft = 110 mm

Propeller puller
Propellerabzieher
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Propelleravdragare

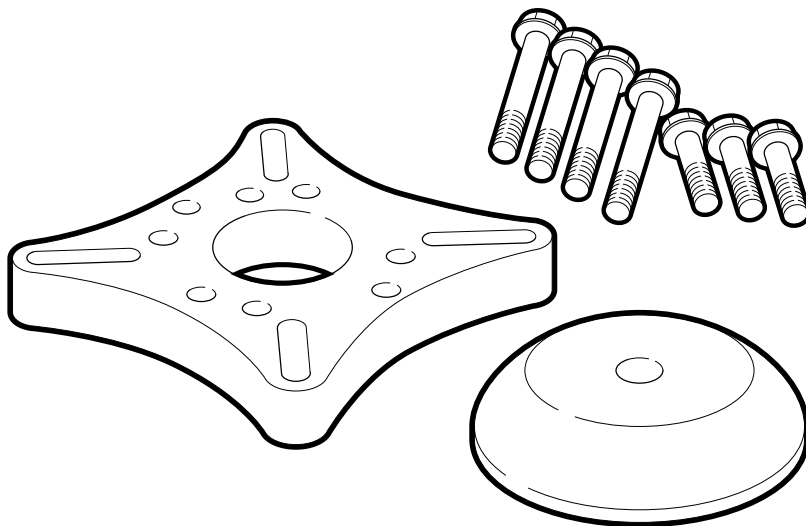


Model	Pulling equipment	Type	Remark
<i>For 7121 - see instruction card 5905900 and 5889400</i>			
7121	841368	Hydraulic unit	
7121	4324500	Washer	
7121	5768400	Puller screw	
7121	5879400	Screws	Basic kit
7121	5889600	Sleeve	When 800 drive unit
7121	5889700	Sleeve	When 900 drive unit
7121	5889800	Puller	
7121	5890600	Spacing screw	
7121	5906000	Mounting tool	
<i>For 7140 - 770, 860, 930 & 935 - see instruction card 4323100 & 4583500</i>			
7140	841368	Hydraulic unit	
7140	4361500	Screws	See instruction card 4323100
7140	4361800	Hub tool	
7140	4361900	Screws	See instruction card 4583500
7556	841368	Hydraulic unit	
7556	4361800	Hub tool	
7556	4361900	Screws	Basic kit
7570	4361500	Screws	For hub with 8X0 drive unit
7570	4361800	Hub tool	Not for hub with 5 blades and 8X0 drive
7570	4361900	Screws	Hub 7X5, 8X5 & 9X5
7585	841368	Hydraulic unit	
7585	4361800	Hub tool	
7585	4361900	Screws	
7585	5906200	Hub tool	See instruction card 5901100

Propeller puller
Propellerabzieher
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Propelleravdragare

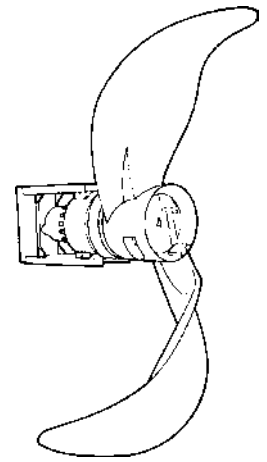
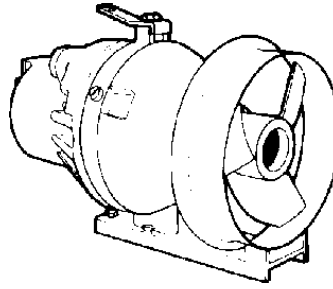


Model	Pulling equipment	Type	Remark
7600	841368	Hydraulic unit	
7600	4361800	Hub tool	
7600	4361900	Screws	
7620 & 7650	841368	Hydraulic unit	
7620 & 7650	4361500	Screws	Shaft = 140 mm
7620 & 7650	4361800	Hub tool	
7620 & 7650	4361900	Screws	Shaft = 110 mm



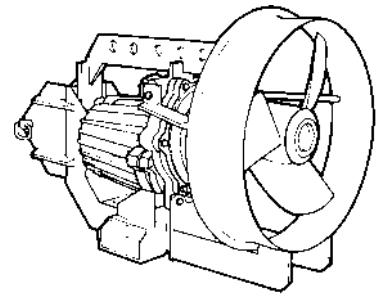
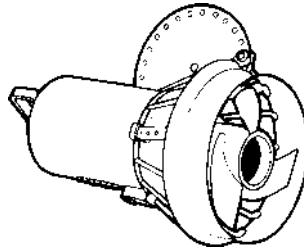
Hub tool 436 18 00

Special tools for Mixer
Spezialwerkzeug für Rührwerk
Outil spécial pour Agitateur
Specialverktyg för Mixer

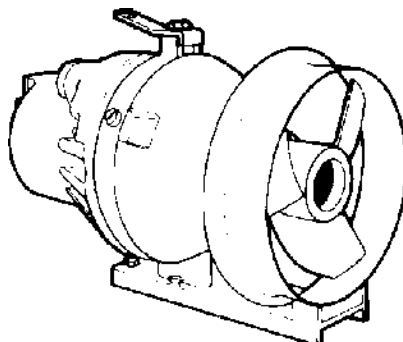


Model	Tool	Type	Remark
4350.010	814302	Screw	M8 x 40
4350.xxx	814134	Screw	M10 x 40
4352.010 & 090	4663000	Yoke	Propeller puller
4400	4663000	Yoke	Propeller puller
4400	4637803		Mounting tool for seal
4410 & 4430	820104	Screw	Assy. tool for gear shaft in the casing
4410 & 4430	841445	Jaw	See 842049
4410 & 4430	842049	Yoke	Together with 841445 for pull off the propeller hub
4410 & 4430	4646800	Puller	For intermediate shaft
4410 & 4430	4776000	Puller	For bearing holder
4410 & 4430	4777800	Screw	For oil housing
4410 & 4430	4777900	Mandrel	For lip seal
4410 & 4430	4778000	Mandrel	For bearing
4410 & 4430	4861400	Sleeve	Assy. tool for gear shaft in the casing
4410 & 4430	4861401	Assy.tool	For intermediate shaft
4410 & 4430	4861500	Ring	Assy. tool for gear shaft in the casing
4450 & 4451	841363	Yoke	
4501	4970100	Screw	Gear wheel puller
4501	5040100	Lock plate	To lock the shaft when tighten the gear
4630 & 4640	841035 (KM4)	Socket	Tool for dismount/mount shaft nut 5894400
4630 & 4640	3100900	Screw	Tool for dismount/mount oil housing
4630 & 4640	3982100	Sleeve	Mounting tool for roller bearing
4630 & 4640	3982300	Sleeve	Mounting tool for main bearing
4630 & 4640	5878300	Puller	Tool for stator assembling and disassembling - use it together with hydraulic unit 841368

Special tools for Mixer
Spezialwerkzeug für Rührwerk
Outil spécial pour Agitateur
Specialverktyg för Mixer



Model	Tool	Type	Remark
4650 & 4660	841026 (KM7)	Socket	Tool for dismount/mount shaft nut 5894500
4650 & 4660	2166800	Puller	For inner rot. seal
4650 & 4660	3329100	Puller	For inner seal
4650 & 4660	3982100	Sleeve	For inner ring of roller bearing
4650 & 4660	3982200	Sleeve	Main bearing, stop spring
4650 & 4660	3984000	Sleeve	Main bearing
4650 & 4660	3985500	Sleeve	For stat. seal ring
4650 & 4660	3985700	Sleeve	
4650 & 4660	3985800	Sleeve	
4650 & 4660	3986000	Sleeve	
4650 & 4660	5878301	Puller	Tool for stator assembling and disassembling - use it together with hydraulic unit 841368
4670 & 4680	841029 (KM11)	Socket	Tool for dismount/mount shaft nut 5894600
4670 & 4680	3329100	Puller	For inner seal
4670 & 4680	3985400	Sleeve	For stop spring
4670 & 4680	3986000	Sleeve	For support bearing
4670 & 4680	3994300	Sleeve	For seal rings
4670 & 4680	4005300	Heating tap	For main bearing
4670 & 4680	5426400	Mandrel	For outer ring of support bearing
4670 & 4680	5878302	Puller	Tool for stator assembling and disassembling - use it together with hydraulic unit 841368

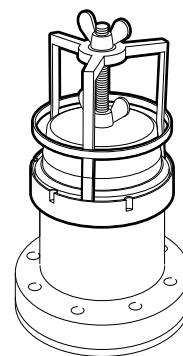
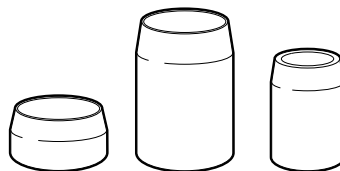


Mechanical Face Seal Tools

Montagehülse

Outil de joint

Montagehylsor



These tools are the same as used in the factory. They are a good help in correct removal and assembly. Consist of a range of sleeves and drifts, tools for spring compression etc. We recommend to order all tools mentioned for the actual pump.

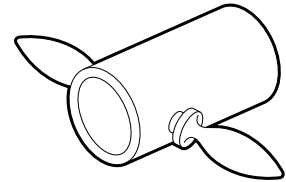
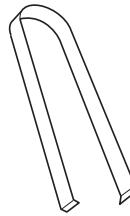
Product	Tool	Type	Remark
2050	3984400	Mounting sleeve	
2050	3984500	Mounting sleeve	
2060	3982300	Mounting sleeve	
2060	3985100	Mounting sleeve	
2060	4263400	Mounting sleeve	
2066	3982200	Mounting sleeve	
2066	3982300	Mounting sleeve	
2066	3985100	Mounting sleeve	
2070	3982300	Mounting sleeve	
2070	3983600	Mounting sleeve	
2070	3983800	Mounting sleeve	
2070	3993900	Socket wrench	
2070	4075300	Mounting sleeve	
2070	4270700	Hexagon screw	
2071	3982300	Mounting sleeve	
2071	3983800	Mounting sleeve	
2075	3982200	Mounting sleeve	
2075	3982300	Mounting sleeve	
2075	3985100	Mounting sleeve	
2082	3982100	Mounting sleeve	
2082	3982600	Mounting sleeve	
2083	4338900	Mounting sleeve	
2083	4339500	Mounting sleeve	
2101	3982200	Mounting sleeve	
2101	3982300	Mounting sleeve	
2102	3982300	Mounting sleeve	
2102	3983200	Mounting sleeve	
2102	4075300	Mounting sleeve	

Mechanical Face Seal Tools

Montagehülse

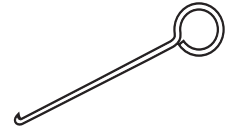
Outil de joint

Montagehylsor



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Product	Tool	Type	Remark
2125	3982100	Mounting sleeve	
2125	3982600	Mounting sleeve	
2125	3982700	Mounting sleeve	
2125	6605800	Mounting mandrel	For spring
2151	3982200	Mounting sleeve	
2151	3983100	Mounting sleeve	

For 2201 - 010, 011, 030, 080, 320, 430, 480, 590 & 690

2201	3329100	Spring puller	Stop spring removal
2201	3982200	Mounting sleeve	For inner seal, lenght = 15-185
2201	3983501	Mounting sleeve	
2201	3983700	Mounting sleeve	
2201	3985800	Mounting sleeve	For inner stat. seal

2250 & 2290	2859900	Mounting sleeve	
2250 & 2290	3329100	Spring puller	Stop spring removal
2250 & 2290	3985400	Mounting sleeve	

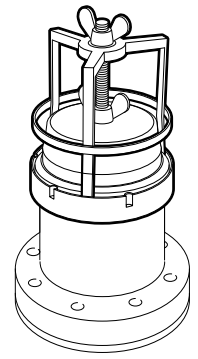
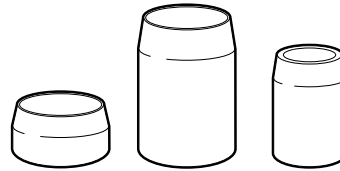
2400	3329100	Spring puller	Stop spring removal
2400	3985300	Mounting sleeve	Boarding inner rot. seal
2400	3985400	Mounting sleeve	Pos. inner rot. seal's stop spring, length 150
2400	3985500	Mounting sleeve	Pos. outer rot. seal, lenght 120
2400	3985600	Mounting sleeve	
2400	4002400	Mounting tool	
2400	4777901	Mandrel	Fitting outer seal's wear ring

Mechanical Face Seal Tools

Montagehülse

Outil de joint

Montagehylsor



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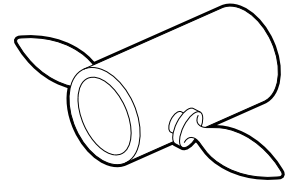
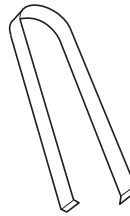
Product	Tool	Type	Remark
3033	3982800	Mounting sleeve	
3041.170, 180	4637802	Mounting tool	
3041.281	2166800	Special plier	For rot. seal unit
3041.281	3329100	Spring puller	For stop spring removal
3041.281	3982300	Mounting sleeve	Stop spring fitting, L=15-185/200
3041.281	3984900	Mounting sleeve	Stat. seal ring holder fitting, L=115/140
3041.281	4263400	Mounting sleeve	Stat. seal ring fitting, L=110
3050.110, 150	3982300	Mounting sleeve	
3060	3982300	Mounting sleeve	
3060	3985100	Mounting sleeve	
3060	4263400	Mounting sleeve	
3065.180	3982300	Mounting sleeve	
3066	2166800	Special plier	
3066	4263400	Mounting sleeve	
3066	4637802	Mounting tool	
3080	3982200	Mounting sleeve	
3080	3982300	Mounting sleeve	
3080	3983800	Mounting sleeve	
3082	3982300	Mounting sleeve	
3082	4075300	Mounting sleeve	
3085	2166800	Special plier	
3085	4263400	Mounting sleeve	
3085	4637802	Mounting tool	
3085	4799202	Mounting tool	For retaining ring
3101	3982100	Mounting sleeve	
3101	3982900	Mounting sleeve	
3101	3984900	Mounting sleeve	

Mechanical Face Seal Tools

Montagehülse

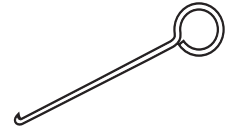
Outil de joint

Montagehylsor



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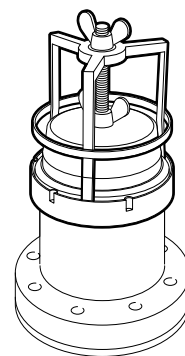
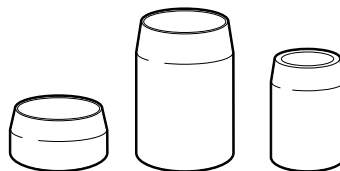
Product	Tool	Type	Remark
3101.300	3982100	Mounting sleeve	
3101.300	3982900	Mounting sleeve	
3102	3982100	Mounting sleeve	For stat. seal
3102	4578900	Mounting tool	For retaining ring
<i>For 3126.090 & 3126.180</i>			
3126.090/180	3982200	Mounting sleeve	
3126.090/180	3983100	Mounting sleeve	
3126.090/180	4003900	Mounting sleeve	
<i>For 3126.091 & 3126.181</i>			
3126.091/181	3982200	Mounting sleeve	
3126.091/181	3983100	Mounting sleeve	
3126.091/181	4003900	Mounting sleeve	
3126.091/181	4369700	Mounting tool	
<i>For 3126.280 & 3126.290</i>			
3126.280/290	3982200	Mounting sleeve	
3126.280/290	3983100	Mounting sleeve	
3126.280/290	3985900	Sleeve	
3126.280/290	4003900	Mounting sleeve	
<i>For 3127.090, 3127.170 & 3127.180</i>			
3127.090/170/180	3985900	Sleeve	For outer seal
3127.090/170/180	4003900	Mounting sleeve	For outer seal
3127.090/170/180	4369700	Mounting tool	For retaining ring
3140	3329100	Spring puller	For inner seal
3140	3982200	Mounting sleeve	Inner rot. seal fitting
3140	3985700	Mounting sleeve	Circlip postitoning
3140	3985800	Mounting sleeve	For inner stat. seal ring
3140	4003900	Mounting sleeve	For outer seal
3151	3982200	Mounting sleeve	
3151	3985800	Mounting sleeve	
3152	3982200	Mounting sleeve	

Mechanical Face Seal Tools

Montagehülse

Outil de joint

Montagehylsor



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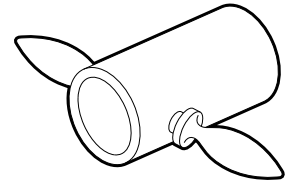
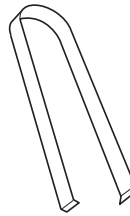
Product	Tool	Type	Remark
3152	3985700	Mounting sleeve	
3152	3985800	Mounting sleeve	
3152	4004000	Mandrel	
3152	3982200	Mounting sleeve	With outer seal 508800x
3152	3984000	Mounting sleeve	With outer seal 508800x
3152	3985700	Mounting sleeve	With outer seal 508800x
3152	3985800	Mounting sleeve	With outer seal 508800x
3153	3983100	Mounting sleeve	
3171	3985700	Mounting sleeve	
3200	3994300	Sleeve	
3201	3985900	Sleeve	
3201	3986000	Mounting sleeve	
3201	3994300	Sleeve	
3230 & 3300	3983900	Sleeve	
3230 & 3300	3984000	Mounting sleeve	
3230 & 3300	3994701	Mounting tool	
3305	3983900	Sleeve	
3305	3994701	Extractor	
3306	3329100	Spring puller	See "Impeller tools"
3312	3329100	Spring puller	See "Impeller tools"
3350	-----		No special tools are required
3351			See "Impeller tools"
3356			See "Impeller tools"

Mechanical Face Seal Tools

Montagehülse

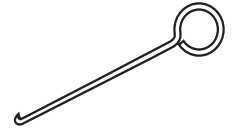
Outil de joint

Montagehylsor



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We recommend to order all tools mentioned for the actual pump.



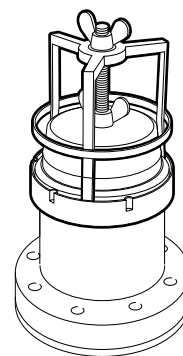
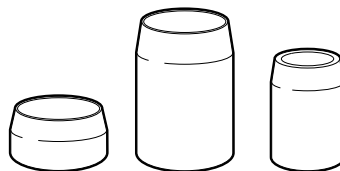
Product	Tool	Type	Remark
3400			See "Impeller tools"
3500	3329100	Spring puller	See "Impeller tools"
3500	3994300	Sleeve	For inner seal
3500	3994703	Extractor	For outer seal
3501	3329100	Spring puller	See "Impeller tools"
3530	-----		No special tools are required
3531	3329100	Spring puller	See "Impeller tools"
3600	3994300	Sleeve	For inner seal
3600	3994703	Extractor	For inner seal
3600	3994100	Extractor	For outer seal
3601	3329100	Spring puller	See "Impeller tools"
3602	3329100	Spring puller	See "Impeller tools"
4000 See "Special tools for Mixers"			
5510	2166800	Special plier	
5510	4263400	Mounting sleeve	
5510	4637802	Mounting tool	
5520	2166800	Special plier	
5520	4578900	Mounting tool	
5530	4369700	Mounting tool	
5540	2166800	Special plier	
5540	3329100	Spring puller	
5550	3329100	Spring puller	
5550	3985400	Mounting sleeve	

Mechanical Face Seal Tools

Montagehülse

Outil de joint

Montagehylsor



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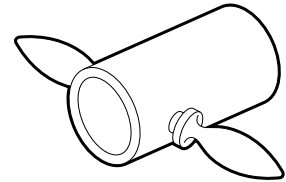
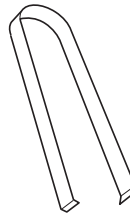
Product	Tool	Type	Remark
5560	2166800	Special plier	
5560	3329100	Spring puller	
5560	3994701	Mounting tool	
7045	3986000	Mounting sleeve	
7050	3984000	Mounting sleeve	
7055/600	3986000	Mounting sleeve	
7055/680	3984000	Mounting sleeve	
7060	3984000	Mounting sleeve	
7061	3984000	Mounting sleeve	
7075	3984000	Mounting sleeve	
7076	3984000	Mounting sleeve	
7080/770	3984000	Mounting sleeve	
7080/ 820,860 & 900	3329100	Spring puller	
7081	-----		No special tool is needed
7100 with gear	-----		No special tool is needed
7100/820,860,900,930	3329100	Spring puller	
7101	-----		No special tool is needed
7115/8X5	-----		No special tool is needed
7115/860	3329100	Spring puller	
7115/900,905,915,930	3329100	Spring puller	
7120	-----		No special tool is needed
7121	-----		No special tool is needed
7140	-----		No special tool is needed

Mechanical Face Seal Tools

Montagehülse

Outil de joint

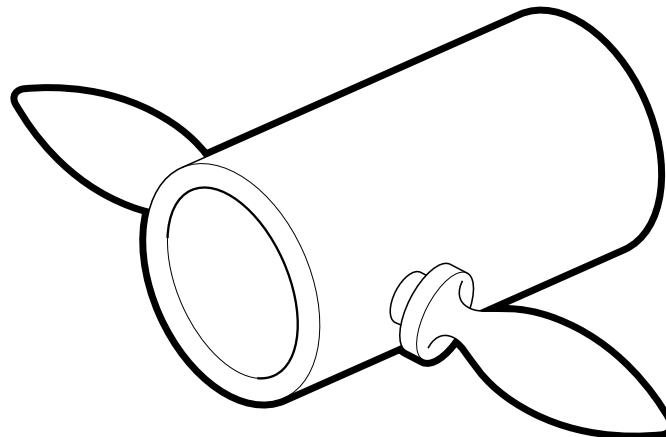
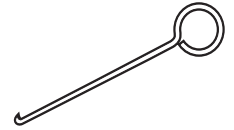
Montagehylsor



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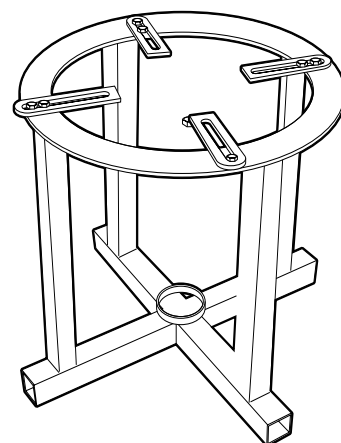
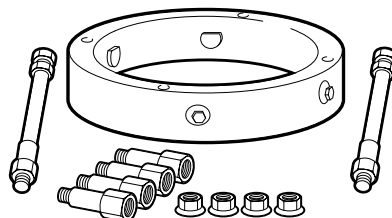
We recommend to order all tools mentioned for the actual pump.

Product	Tool	Type	Remark
7556	3984000	Mounting sleeve	
7570	3329100	Spring puller	
7585	3329100	Spring puller	
7600	-----		No special tool is needed
7620	-----		No special tool is needed
7650	-----		No special tool is needed



Mounting sleeve 398 55 00

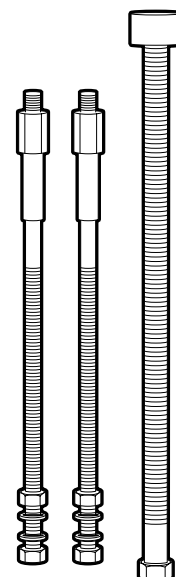
Special tools for drive unit
Motoreinheiten
Unités moteur
Specialverktyg för drivenheter



Drive unit	Tool	Denomination	Remark
600	841360	Puller complete	For bearing
600	841361	Arm	Jaw extension for 841360
600	3329100	Spring puller	For mechanical seal
600	3946900	Stator puller	
600	3985400	Mounting socket	For mechanical seal
600	3994300	Sleeve	For mechanical seal
600	5600300	Puller	For inner bearing
600	5826500	Stand unit	For drive unit
600	5826600	Stand unit	For rotor

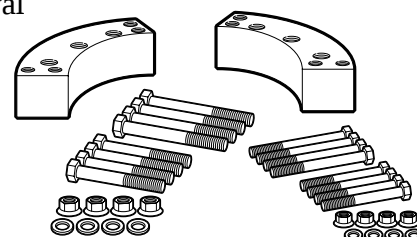
For 6X5 - see instruction card 5848300

6X5	841368	Hydraulic unit	
6X5	3329100	Spring puller	For mechanical seal
6X5	3947000	Stator puller	
6X5	3984000	Mounting socket	For seal ring
6X5	4324400	Cross piece	For bearing removal
6X5	4533000	Mount.-dismount tool	Basic kit
6X5	5826500	Stand unit	For drive unit
6X5	5826600	Stand unit	For rotor
6X5	5826700	Clamp	For seal stop spring
6X5	5847100	Mount.-dismount tool	Basic kit
6X5	5848400	Mounting set	Bearing puller
6X5	6289400	Lifting eye unit	



For 680 - see instruction card 4419700

680	841368	Hydraulic unit	
680	3329100	Spring puller	For mechanical seal
680	3947000	Stator puller	
680	3983900	Sleeve	For seal ring
680	3994701	Mounting tool	For seal
680	4324400	Cross piece	For bearing removal
680	4533000	Mount.-dismount tool	Basic kit
680	4533300	Bearing puller	
680	5826600	Stand unit	For rotor

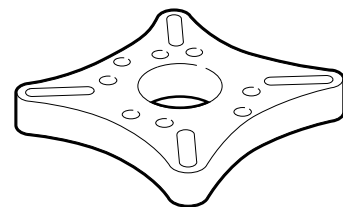
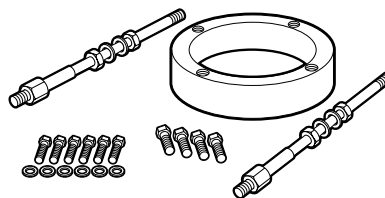


Special tools for drive unit

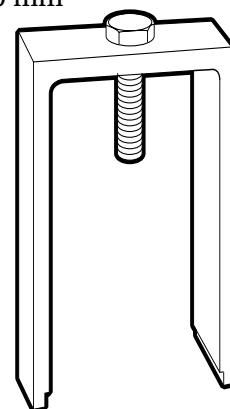
Motoreinheiten

Unités moteur

Specialverktyg för drivenheter

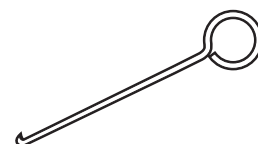


Drive unit	Tool	Denomination	Remark
<i>For 7X5 - see instruction card 5848300</i>			
7X5	841368	Hydraulic unit	
7X5	3329100	Spring puller	For mechanical seal
7X5	3983900	Sleeve	For inner stop spring, if shaft = 70 mm
7X5	3994702	Mounting tool	For inner rot. seal
7X5	4324400	Cross piece	For bearing removal
7X5	4533000	Mount.-dismount tool	Basic kit
7X5	5826500	Stand unit	For drive unit
7X5	5826600	Stand unit	For rotor
7X5	5846100	Lifting handle unit	
7X5	5847100	Mount.-dismount tool	Basic kit
7X5	5848400	Mounting set	Bearing puller

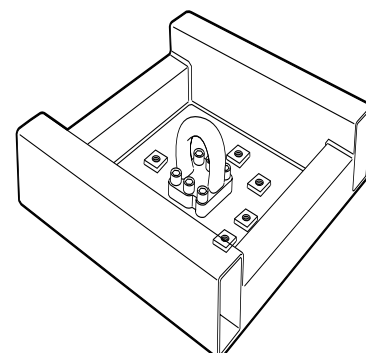


For 720 - see instruction card 4419800

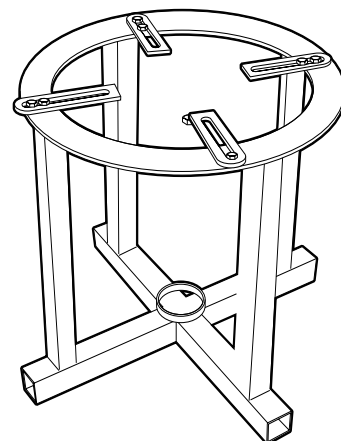
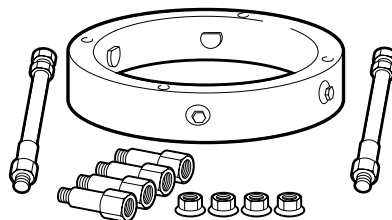
720	841368	Hydraulic unit	
720	3329100	Spring puller	For mechanical seal
720	3983900	Sleeve	For seal ring
720	3994701	Mounting tool	For seal
720	4324400	Cross piece	For bearing
720	4533000	Mount.-dismount tool	Basic kit
720	4533300	Bearing puller	
720	5826600	Stand unit	For rotor



721 & 749	841368	Hydraulic unit	
721 & 749	3329100	Spring puller	For mechanical seal
721 & 749	3947000	Stator puller	
721 & 749	3983900	Sleeve	For seal ring
721 & 749	3994701	Mounting tool	For seal
721 & 749	4324400	Cross piece	For bearing
721 & 749	4533000	Mount.-dismount tool	Basic kit
721 & 749	4533300	Bearing puller	
721 & 749	5826600	Stand unit	For rotor



Special tools for drive unit
Motoreinheiten
Unités moteur
Specialverktyg för drivenheter



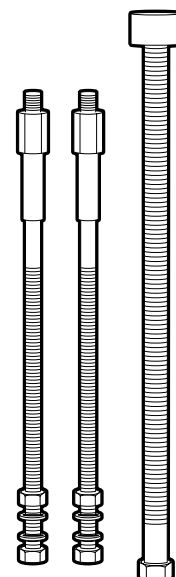
Drive unit	Tool	Denomination	Remark
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For 760 & 770 - see instruction card 4419700 if bearing house 4117600) or 4419900 if bearing house 4148300

760 & 770	841368	Hydraulic unit	
760 & 770	3329100	Spring puller	For mechanical seal
760 & 770	3983900	Sleeve	For seal ring
760 & 770	3994701	Mounting tool	For seal
760 & 770	4361800	Hub tool	
760 & 770	4533000	Mount.-dismount tool	Basic kit
760 & 770	4533300	Bearing puller	
760 & 770	5826600	Stand unit	For rotor

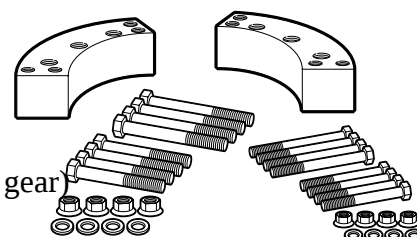
For 8X5 - see instruction card 5848300

8X5	841368	Hydraulic unit	
8X5	3329100	Spring puller	For mechanical seal
8X5	4324400	Cross piece	For bearing removal
8X5	4533000	Mount.-dismount tool	Basic kit
8X5	5826500	Stand unit	For drive unit
8X5	5826600	Stand unit	For rotor
8X5	5826700	Clamp	For inner seal
8X5	5846100	Lifting handle unit	
8X5	5847100	Mount.-dismount tool	Basic kit
8X5	5848401	Mounting set	Bearing puller
8X5	5851700	Handling set	For stator



For 820 & 860 - see instruction cards 4420300 & 4420500

820 & 860	841368	Hydraulic unit	
820 & 860	3329100	Spring puller	For mechanical seal (without gear)
820 & 860	3994300	Sleeve	For seal (without gear)
820 & 860	3994703	Mounting tool	For seal (without gear)
820 & 860	4324400	Cross piece	For bearing
820 & 860	4533000	Mount.-dismount tool	Basic kit
820 & 860	4533200	Bearing puller	Without gear
820 & 860	4533400	Bearing puller	When gear
820 & 860	5826600	Stand unit	For rotor
820 & 860	5847100	Mount.-dismount tool	Basic kit (without gear)

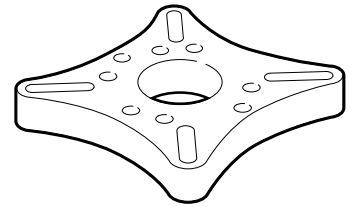
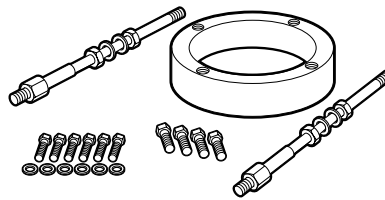


Special tools for drive unit

Motoreinheiten

Unités moteur

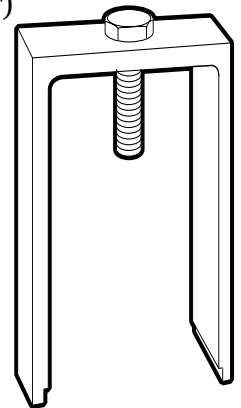
Specialverktyg för drivenheter



Drive unit	Tool	Denomination	Remark
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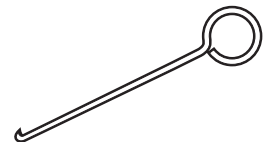
For 900 & 930 - see instruction cards 4420300 & 4420400

900 & 930	841368	Hydraulic unit	
900 & 930	3329100	Spring puller	For mechanical seal (without gear)
900 & 930	3994300	Sleeve	For seal (without gear)
900 & 930	3994703	Mounting tool	For seal (without gear)
900 & 930	4324400	Cross piece	For bearing
900 & 930	4533000	Mount.-dismount tool	Basic kit
900 & 930	4533200	Bearing puller	Without gear
900 & 930	4533400	Bearing puller	When gear
900 & 930	5826600	Stand unit	For rotor
900 & 930	5847100	Mount.-dismount tool	Basic kit (without gear)

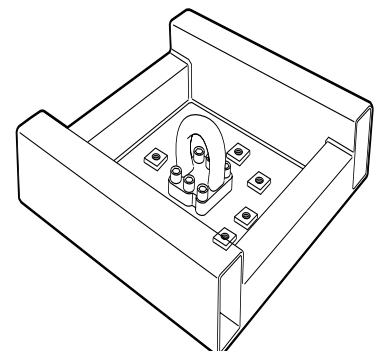


For 9X5 - see instruction card 5848300

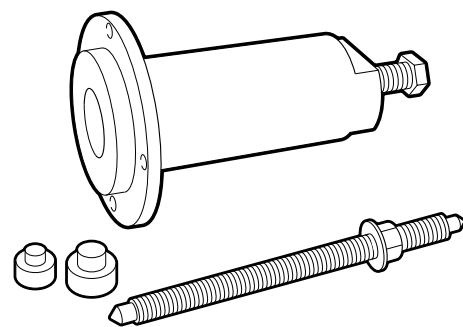
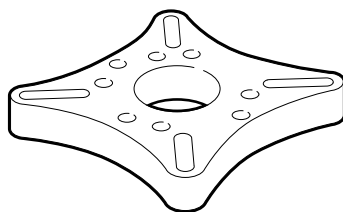
9X5	841368	Hydraulic unit	
9X5	3329100	Spring puller	For mechanical seal
9X5	4324400	Cross piece	For bearing removal
9X5	4533000	Mount.-dismount tool	Basic kit
9X5	5826300	Handling set	For stator
9X5	5826400	Sleeve	For circlip fitting
9X5	5826500	Stand unit	For drive unit
9X5	5826600	Stand unit	For rotor
9X5	5826700	Clamp	For inner rot. seal
9X5	5847100	Mount.-dismount tool	Basic kit
9X5	5848402	Mounting set	Bearing puller



Stand unit 582 66 00



Bearing tools
Lagerabzieher
Tireur de roulement
Lageravdragare



These tools are the same as used in the factory. They are a good help in correct removal and assembly.

See also "Special tools for drive unit" and "Special tools for Mixer"

Product	Tool	Denomination	Remark
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For 680, 720, 760, 770, 820, 860, 900 & 930 - see "Special tools for drive units"

For 2250 - see instruction card 4437500

2250	841368	Hydraulic unit	Basic kit
2250	4324400	Cross piece	
2250	4533000	Screws	
2250	4533400	Bearing puller	

For 2400 - see instruction card 4420000

2400	841368	Hydraulic unit	Basic kit
2400	4324400	Cross piece	
2400	4533000	Screws	
2400	4533200	Bearing puller	

3085	4669701	Bearing puller	
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3102	4669701	Bearing puller	
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3127	4669801	Bearing puller	
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For 3153 - see instruction card 6083200

3153	6082000	Bearing puller	Shaft unit & Main bearing mount- and dismount tool
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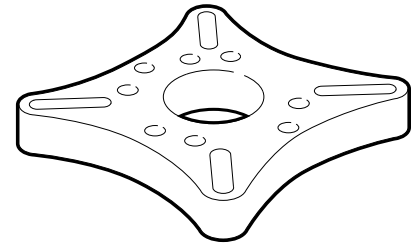
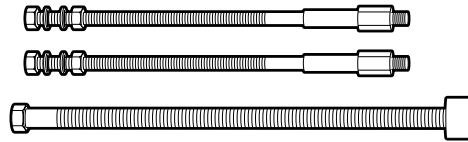
For 3171 - see instruction card 6512000

3171	6511900	Bearing puller	Shaft unit & Main bearing mount- and dismount tool
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For 3210 - see instruction card 4420100

3210	841368	Hydraulic unit	Basic kit
3210	4324400	Cross piece	
3210	4533000	Screws	
3210	4533200	Bearing puller	

Bearing tools
Lagerabzieher
Tireur de roulement
Lageravdragare



These tools are the same as used in the factory. They are a good help in correct removal and assembly.

See also "Special tools for drive unit" and "Special tools for Mixer"

Product	Tool	Denomination	Remark
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For 3300 - see instruction card 4420600

3300	841368	Hydraulic unit	
3300	4324400	Cross piece	
3300	4533000	Screws	Basic kit
3300	4533300	Bearing puller	

3310	841368	Hydraulic unit	
3310	4361800	Hub tool	
3310	4533000	Screws	Basic kit
3310	4533200	Bearing puller	

For 3350 - see instruction card 4419000

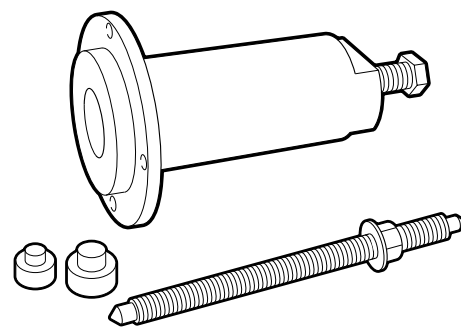
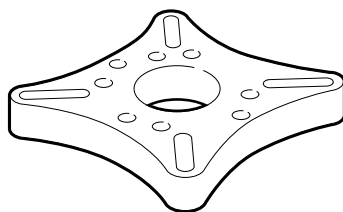
3350	841368	Hydraulic unit	
3350	4361800	Hub tool	
3350	4533000	Screws	Basic kit
3350	4533100	Bearing puller	

3500	841368	Hydraulic unit	
3500	4361800	Hub tool	
3500	4533000	Screws	Basic kit
3500	4533200	Bearing puller	

For 3530 - see instruction card 4419000

3530	841368	Hydraulic unit	
3530	4361800	Hub tool	
3530	4533000	Screws	Basic kit
3530	4533100	Bearing puller	

Bearing tools
Lagerabzieher
Tireur de roulement
Lageravdragare



These tools are the same as used in the factory. They are a good help in correct removal and assembly.

See also "*Special tools for drive unit*" and "*Special tools for Mixer*"

Product	Tool	Denomination	Remark
3600	841368	Hydraulic unit	
3600	4361800	Hub tool	
3600	4533000	Screws	Basic kit
3600	4533200	Bearing puller	

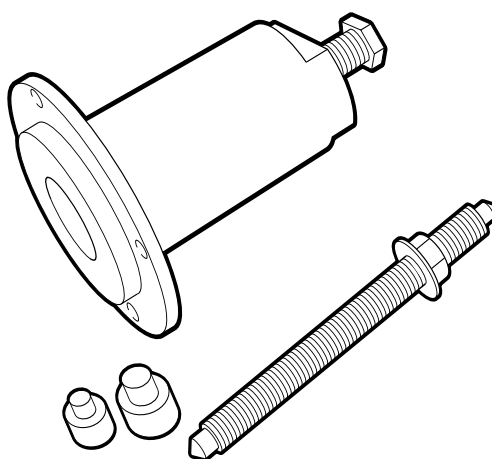
For 3900 - see instruction card 4420400

3900	841368	Hydraulic unit	
3900	4361800	Hub tool	
3900	4533000	Screws	Basic kit
3900	4533200	Bearing puller	

4000 See "*Special tools for Mixer*"

For 5160, 5210, 5250 & 5350 - see instruction card 4533600

5160 - 5350	841368	Hydraulic unit	
5160 - 5350	4324400	Cross piece	
5160 - 5350	4533000	Screws	Basic kit
5160 - 5350	4533400	Bearing puller	

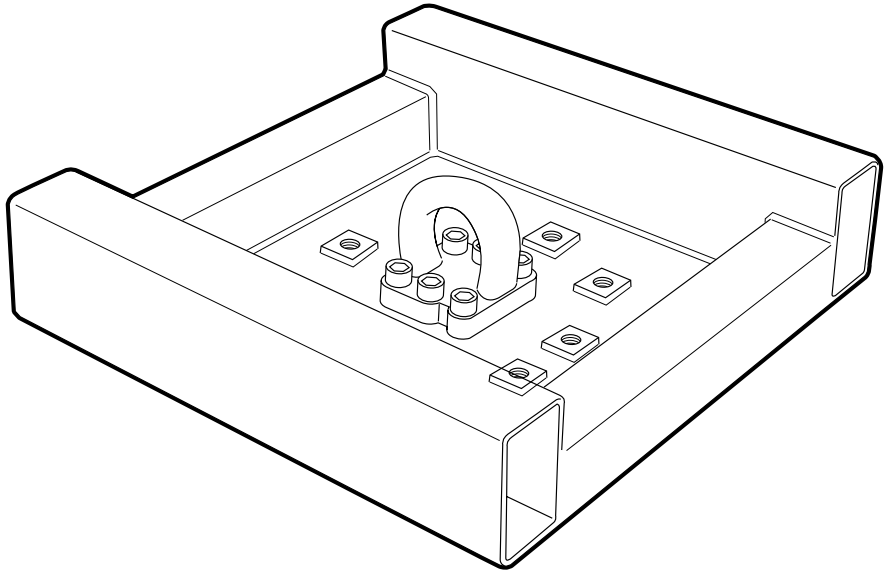


Bearing puller 466 98 01

Stand Stativ Bati Stativ

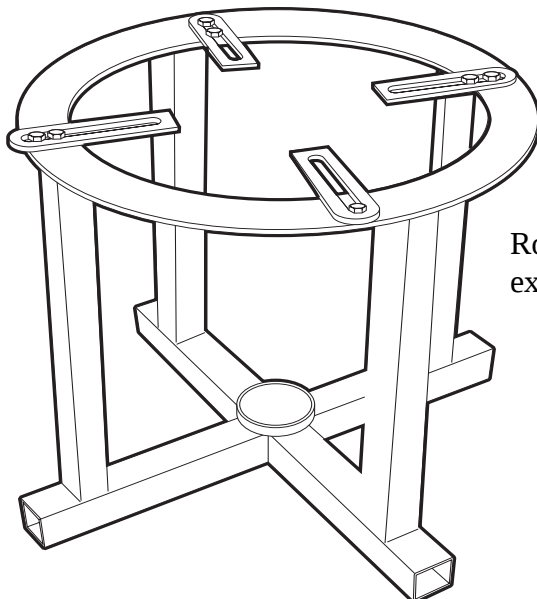
Stand unit 5826500 For drive units 6X5, 7X5, 8X5 & 9X5

When you shall turn the drive unit upside down, mount the stand at the top to ensure safe handling.



Stand unit 6082300 For 3153 & 3171.
When you shall turn the pump upside down, mount the stand at the top to ensure safe handling.

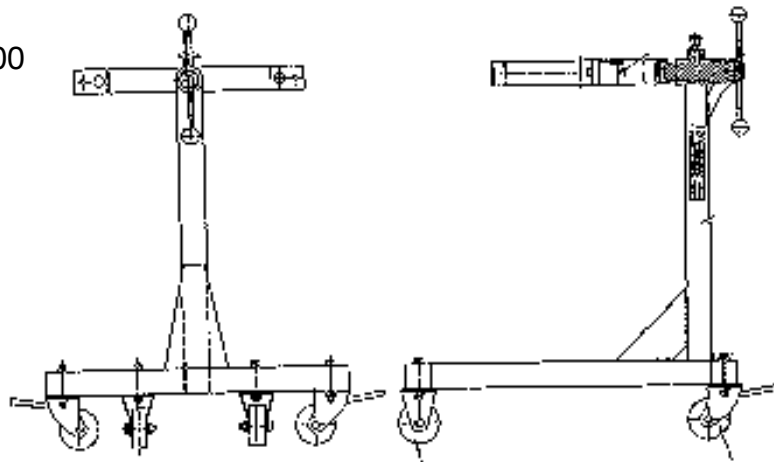
Stand unit 5826600 For rotors, fits from 275 - 490 mm.



Rotor stand for safe handling when you for example change the bearings.

Stand Stativ Bati Stativ

Stand for mixers 6484300



Instruction

General

This instruction describes how to use the carriage 648 43 00.

Installation

Place the carriage at the place of work and lock the wheels.

Handling

-Check that the rubber lining is intact, clean and firmly attached to the sweep halves.

-Turn the sweep halve to horizontal position by lifting the index pin and turn the sweep out of position, release the index pin and it will lock the rotation in the next position.

-Before the mixer is fixed between the sweep halves it shall be cleaned and Jet-Ring, lifting unit and propeller shall be removed. Mount a lifting eye bolt in the end of the motor shaft and lift the mixer into the swivelling sweep halve, the centre of the stator housing shall be in contact with the sweep halve. Mount the other sweep halve with two M16 x 80 screws. The recommended torque's are for the different mixer as follows:

4630 & 4640 30 Nm

4650 & 4660 50 Nm

4670 & 4680 80 Nm

Stands for service

Ready 4 & 8 6504900

Ready 16 6499600

7120 & 7140

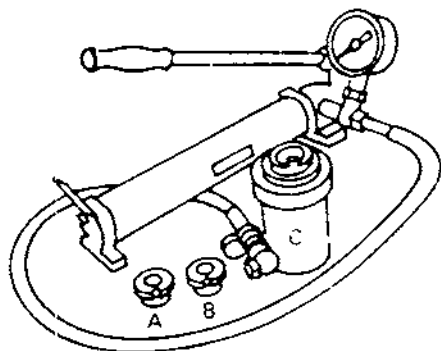
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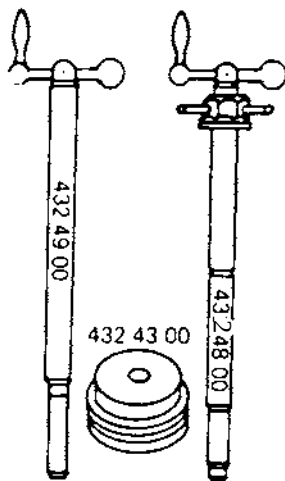
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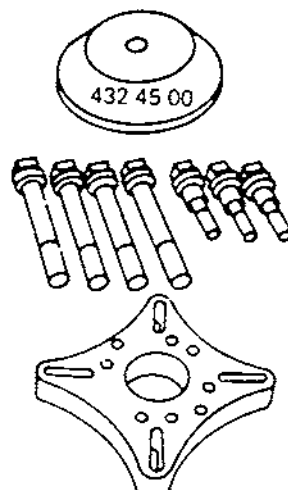
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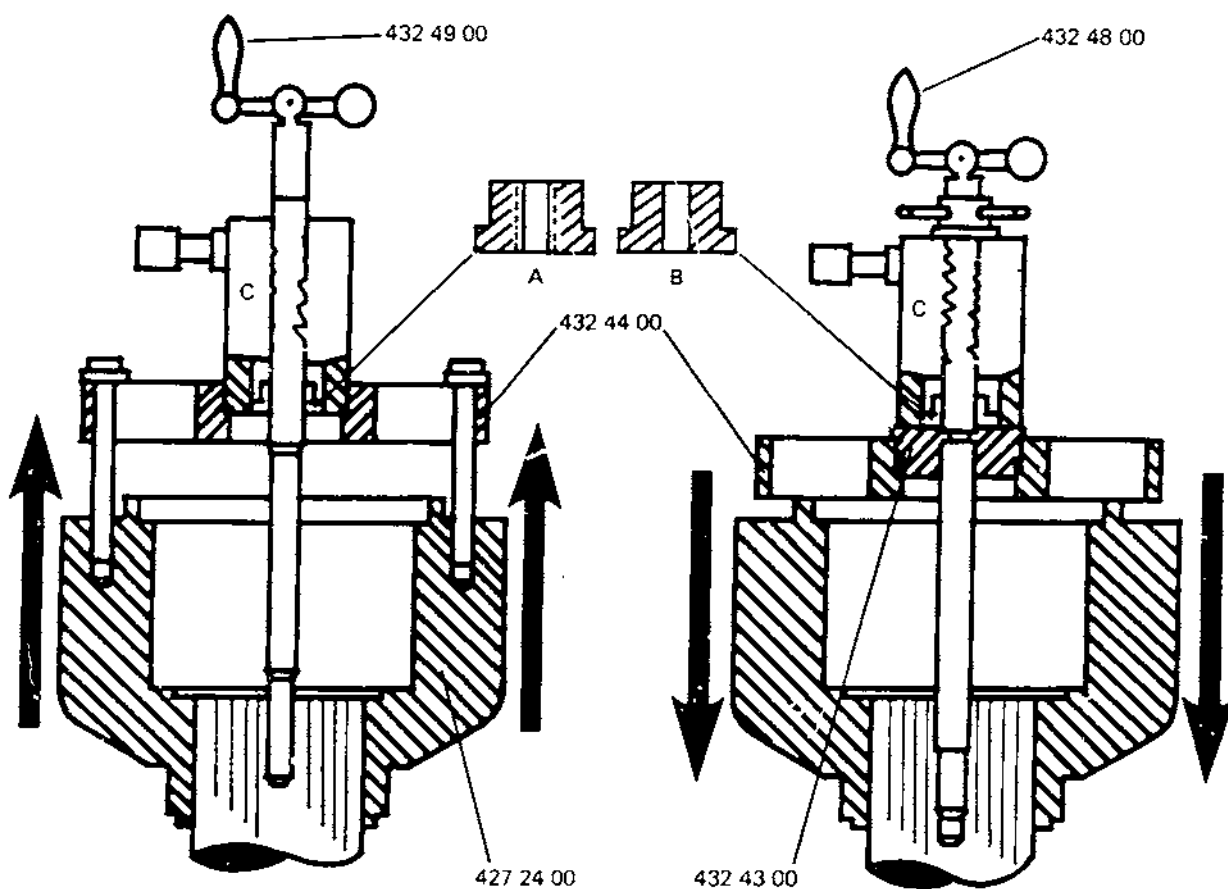
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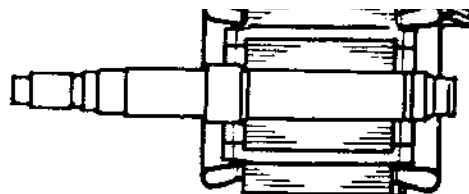
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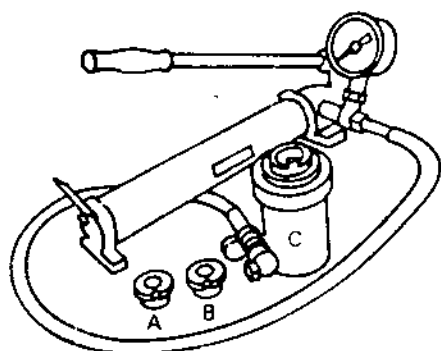
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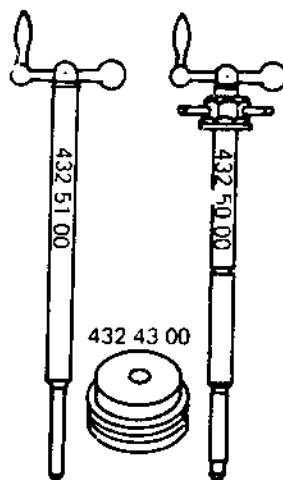
7050, 7060, 7080 & 7100



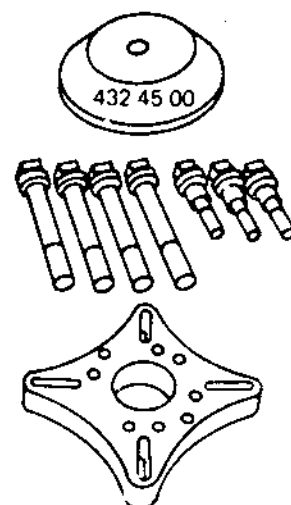
680, 770
900
760, 930



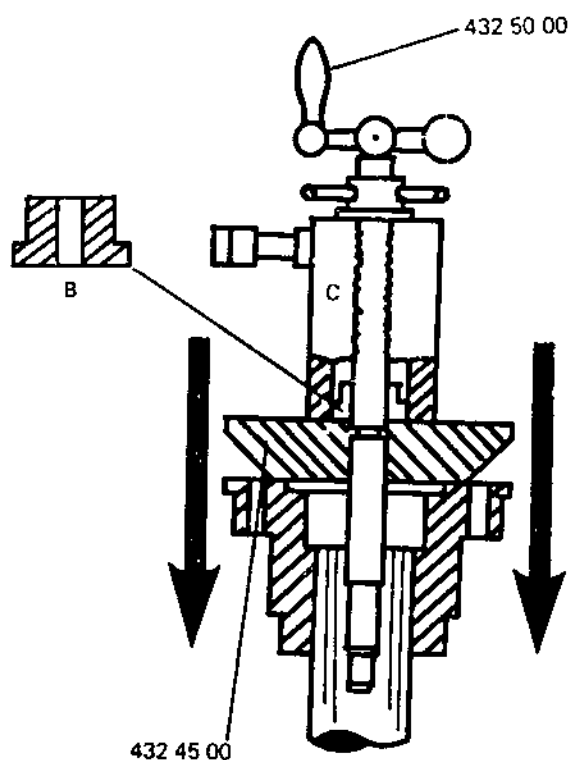
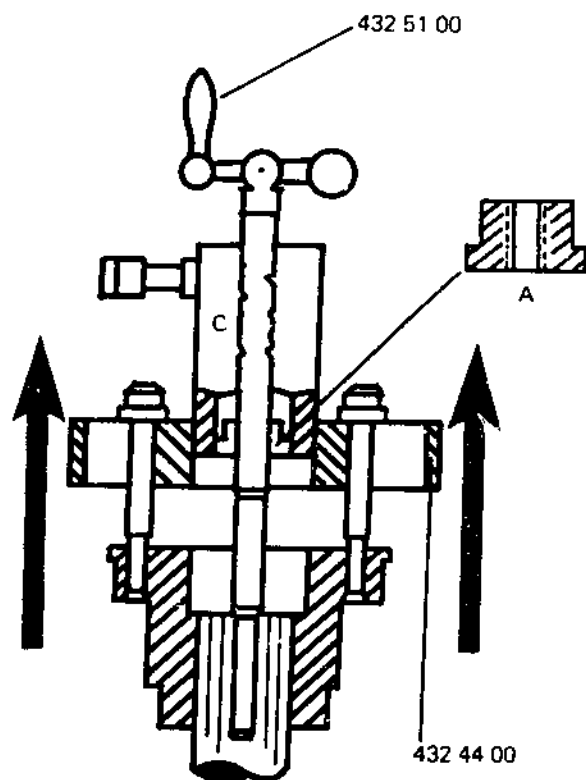
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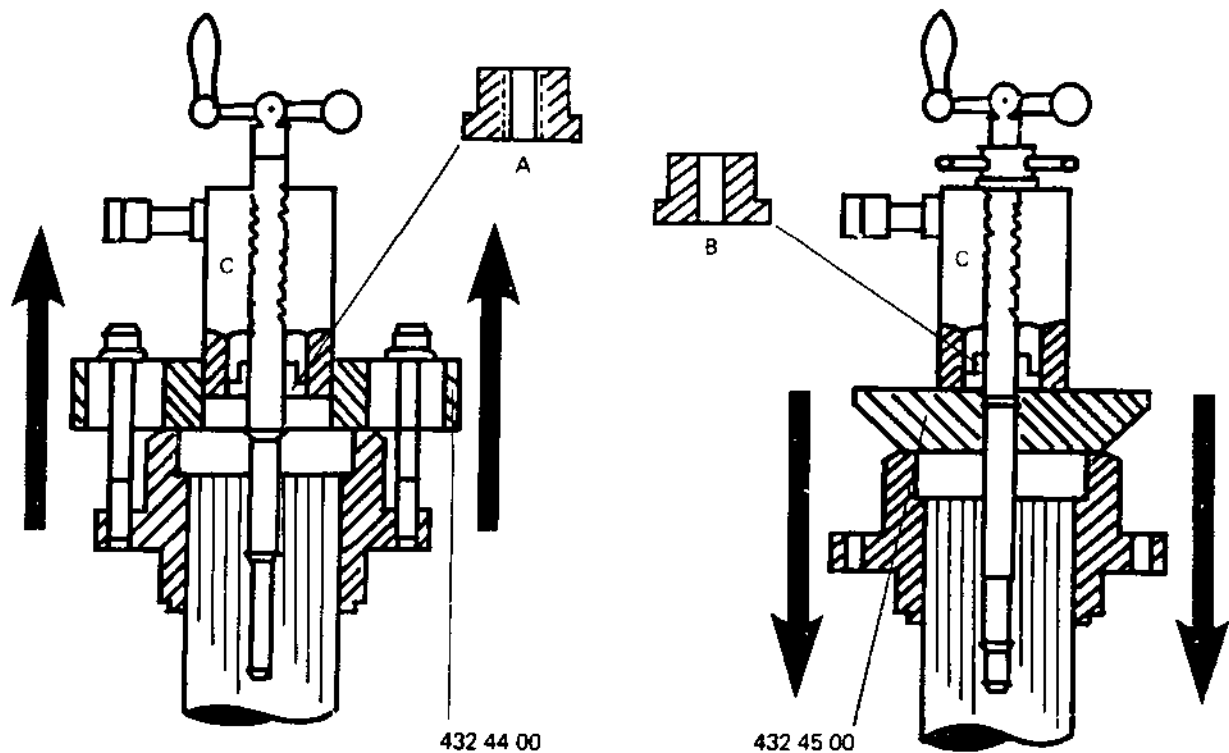
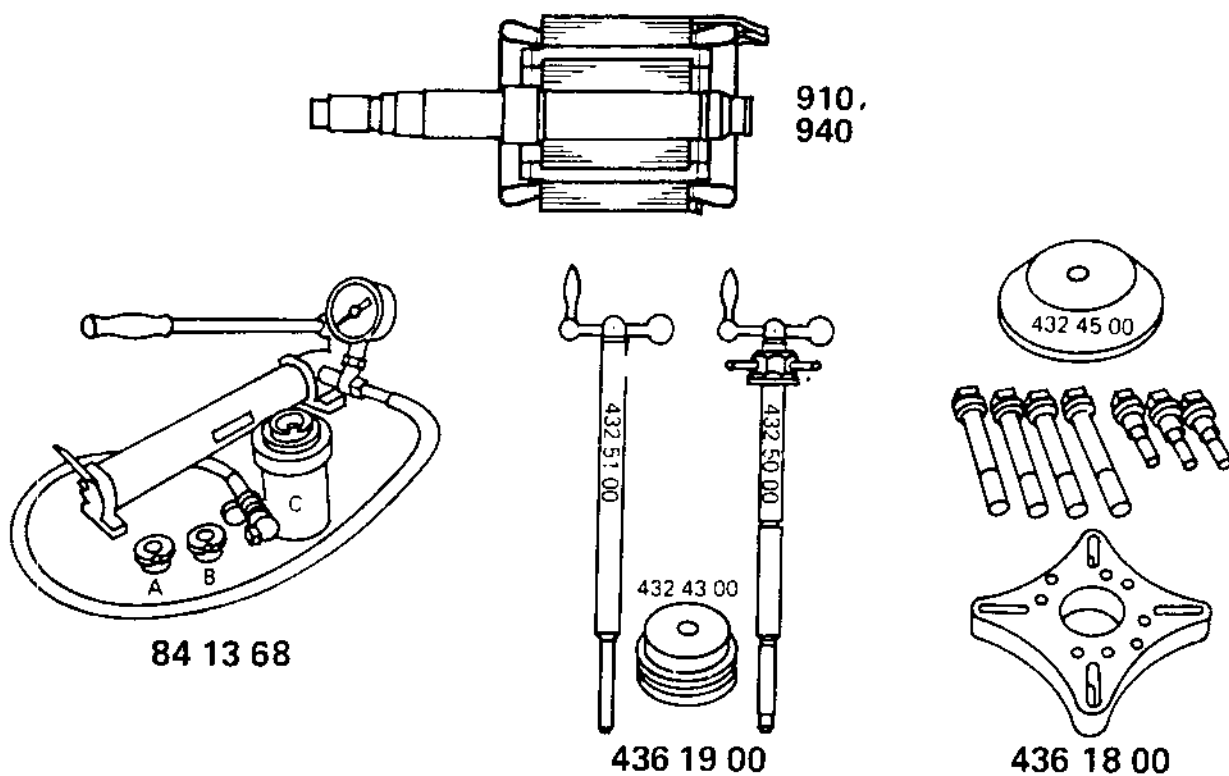
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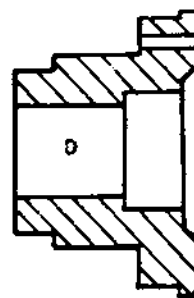
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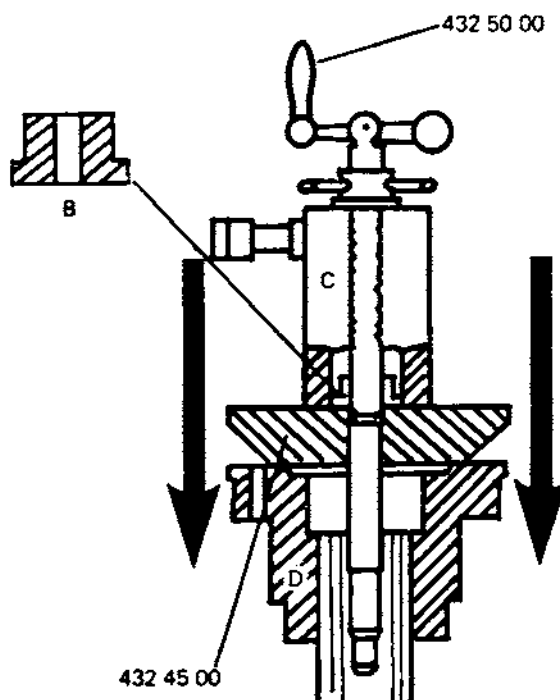
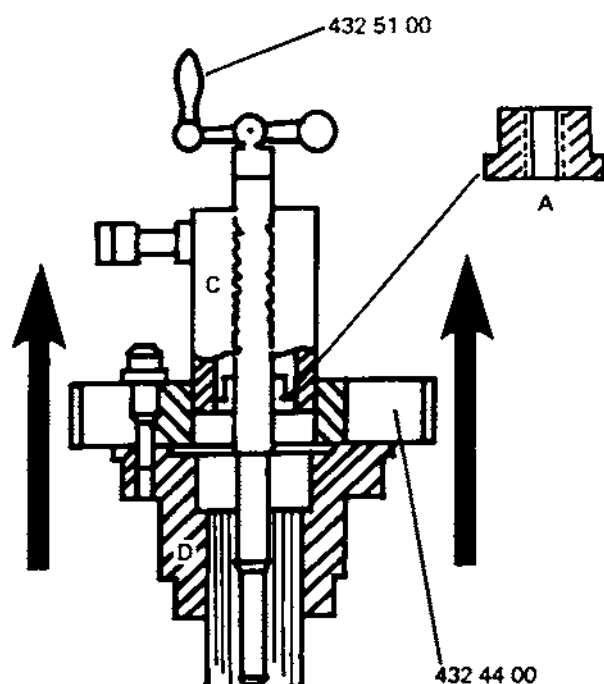
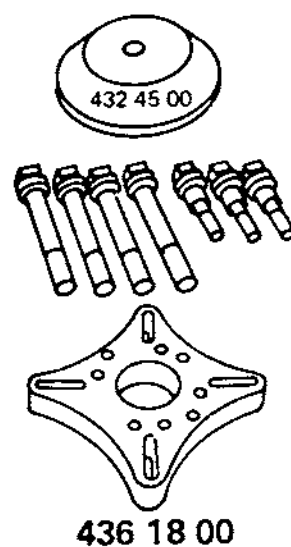
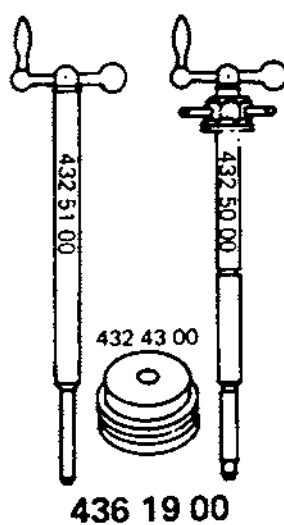
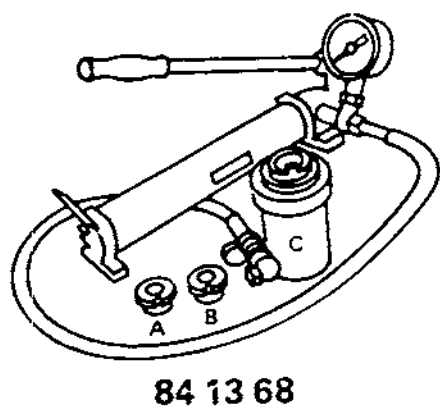
3350 & 3530



7050



med nav
with hub
mit nabe
avec moyeu
411 2302



7100

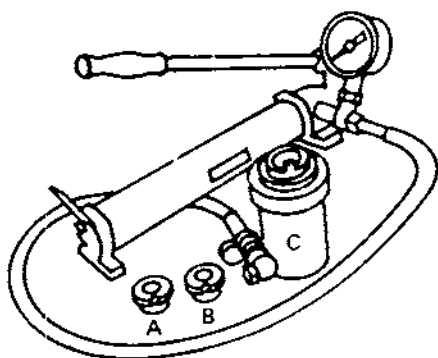
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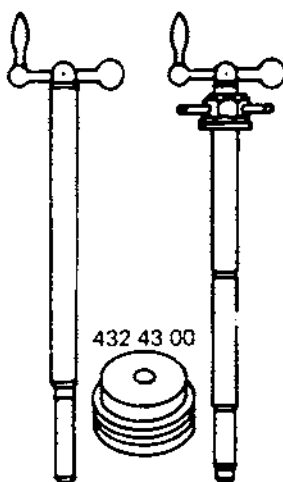
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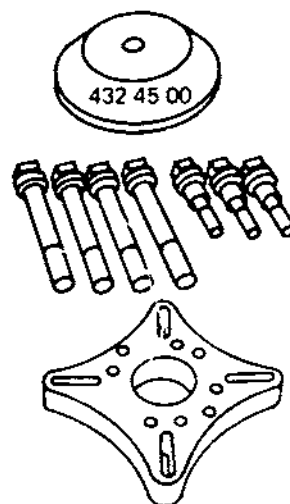
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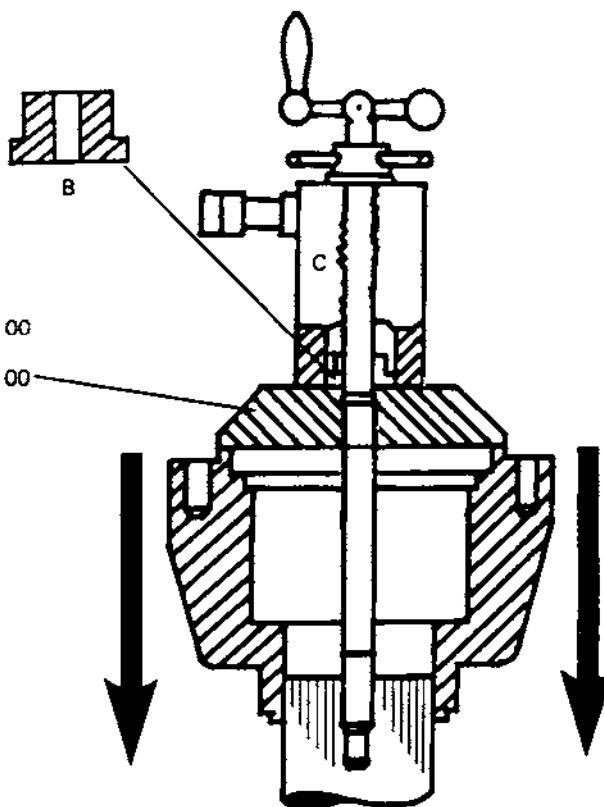
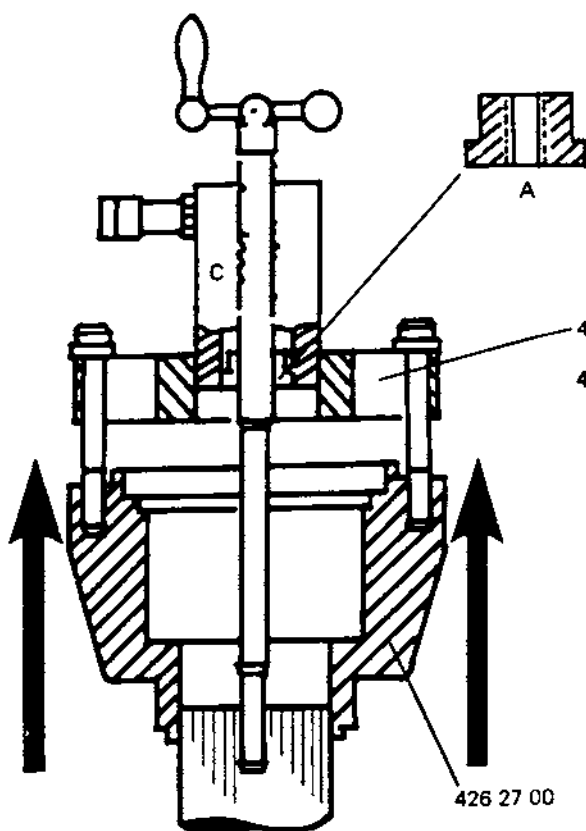
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436 19 00



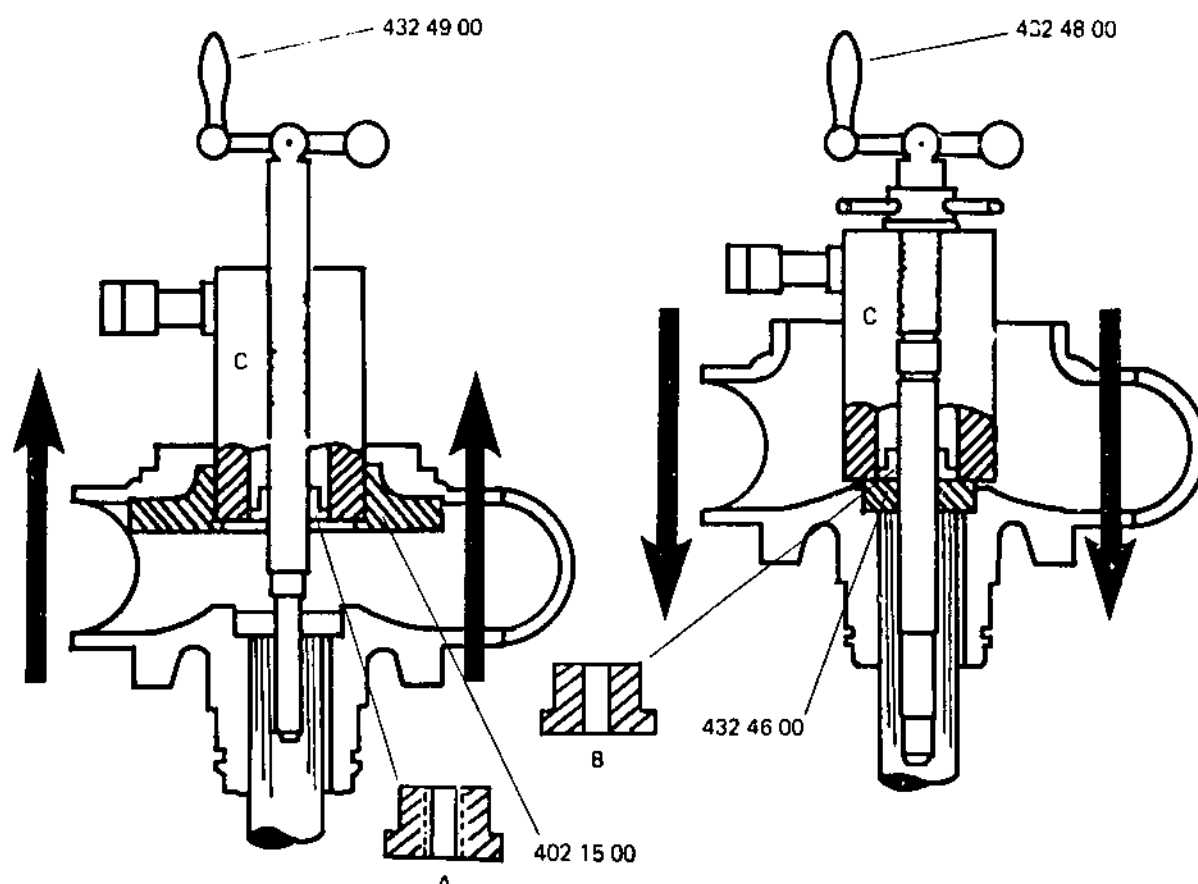
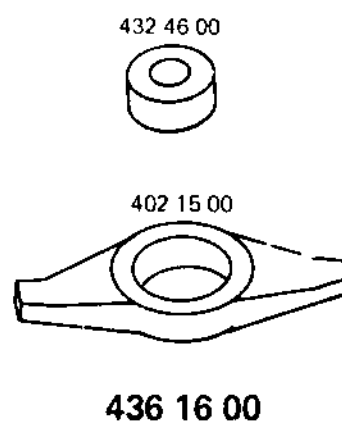
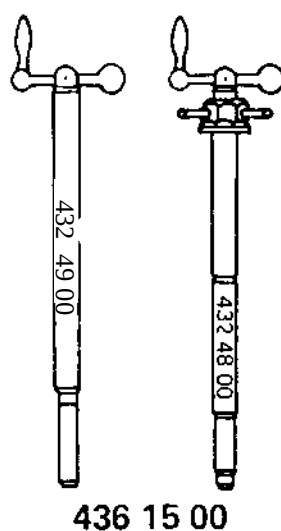
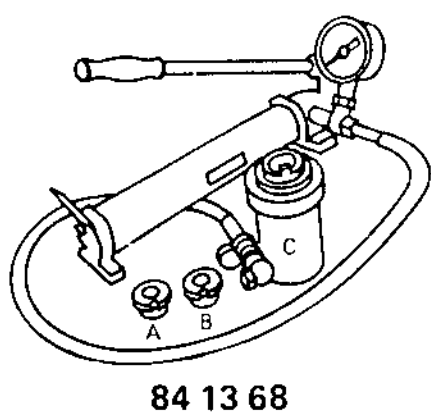
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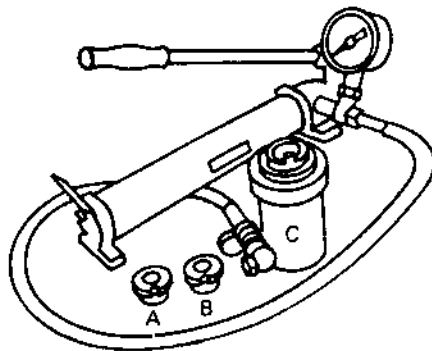
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Instruction card No 4323500

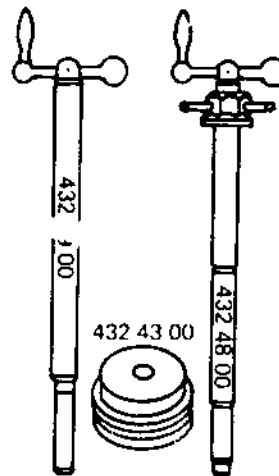
3210



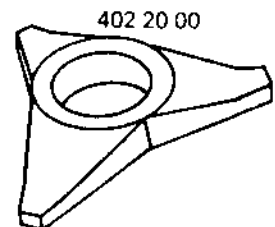
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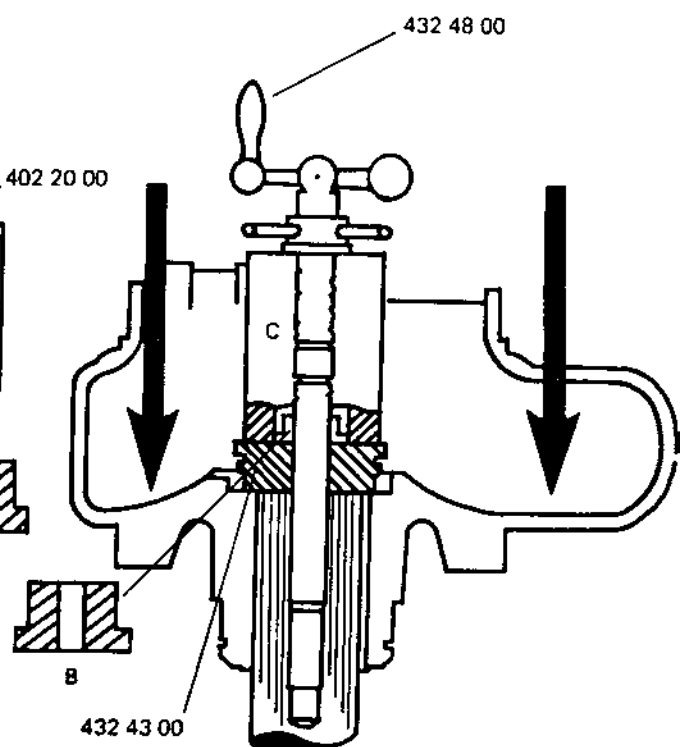
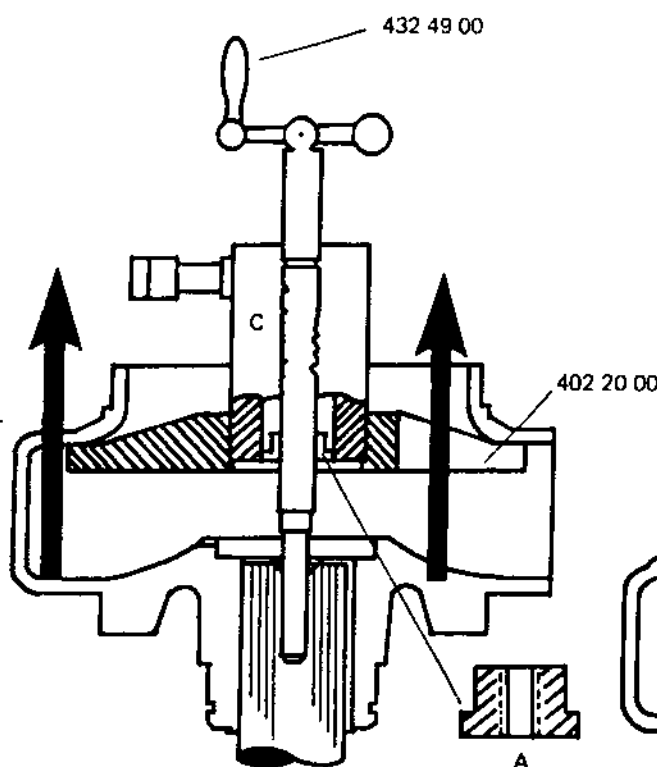
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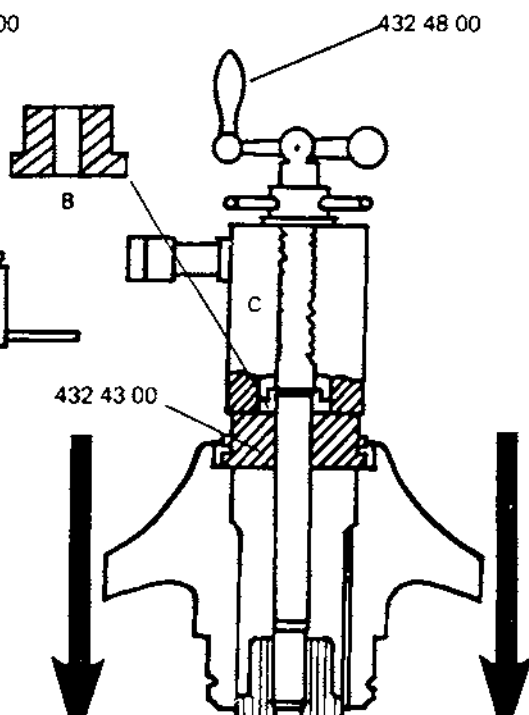
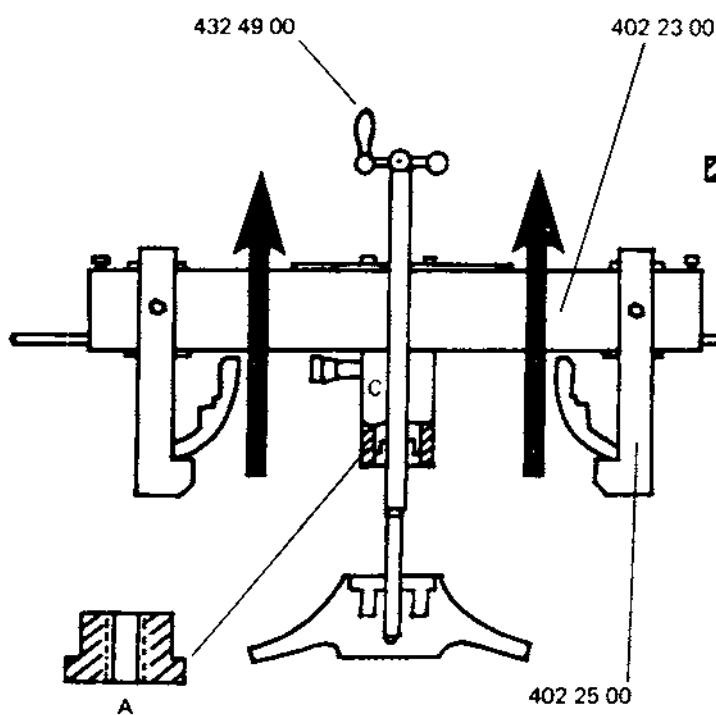
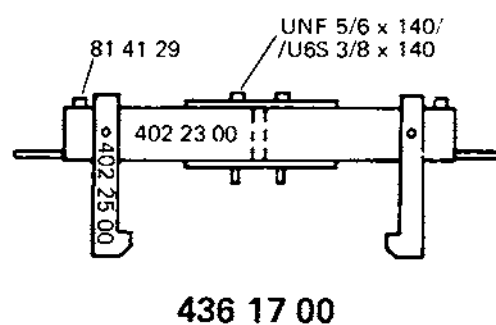
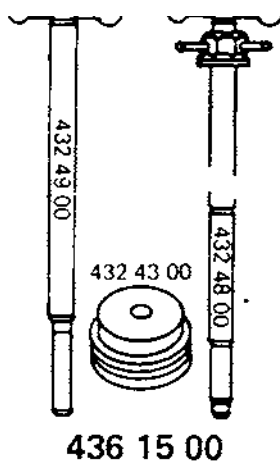
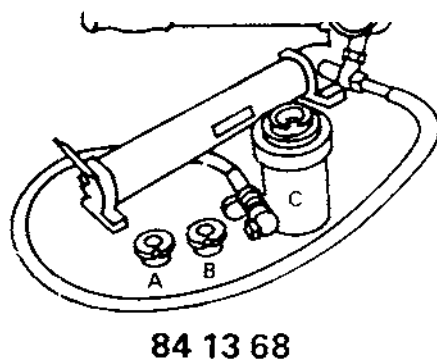
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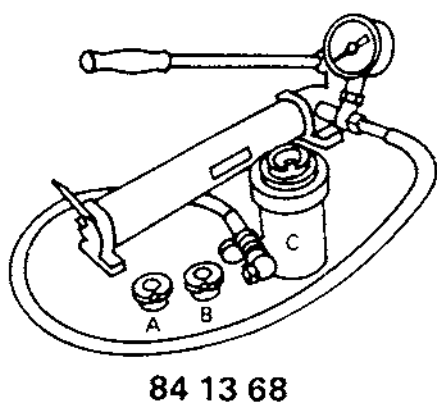
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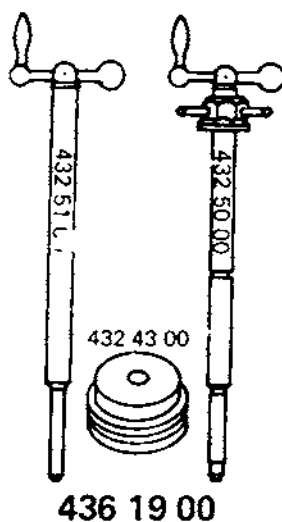
3500 & 3600



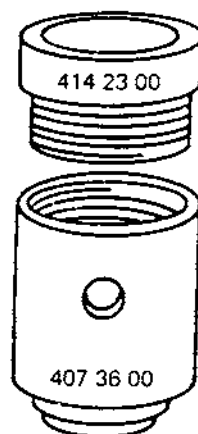
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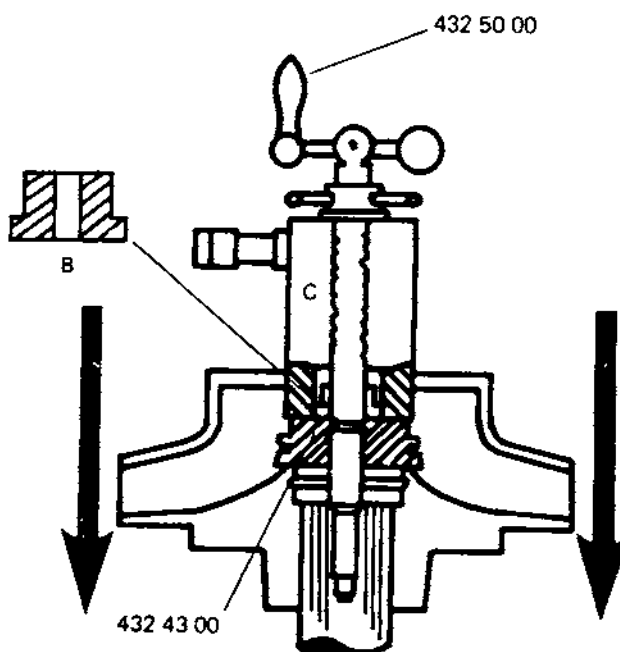
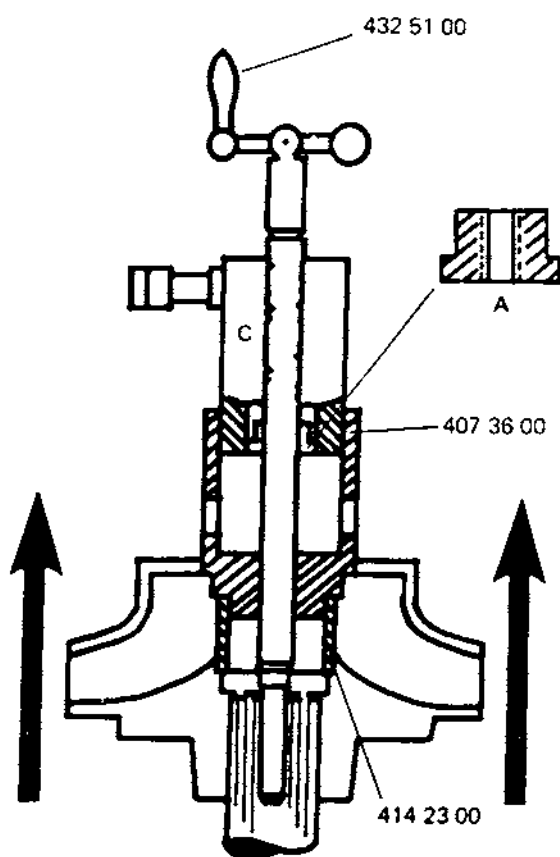
84 13 68



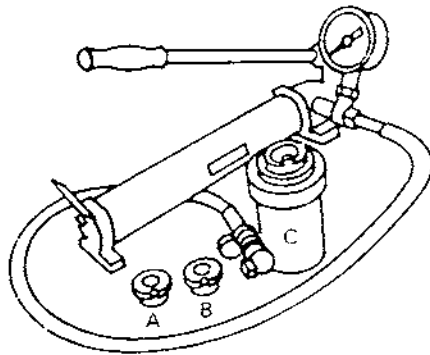
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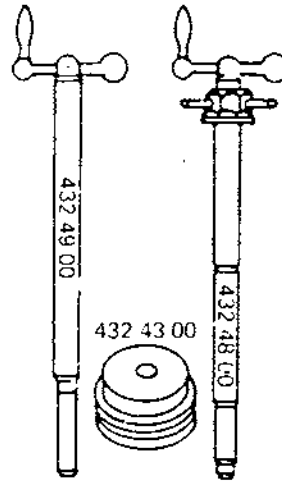
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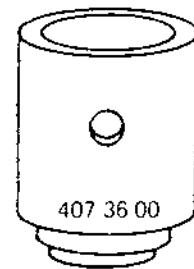
5160, 5210, 5250 & 5350



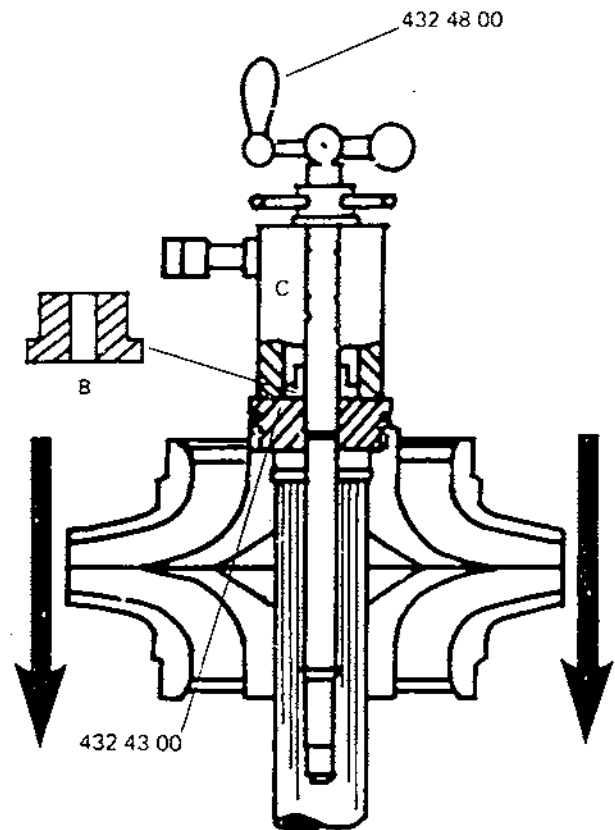
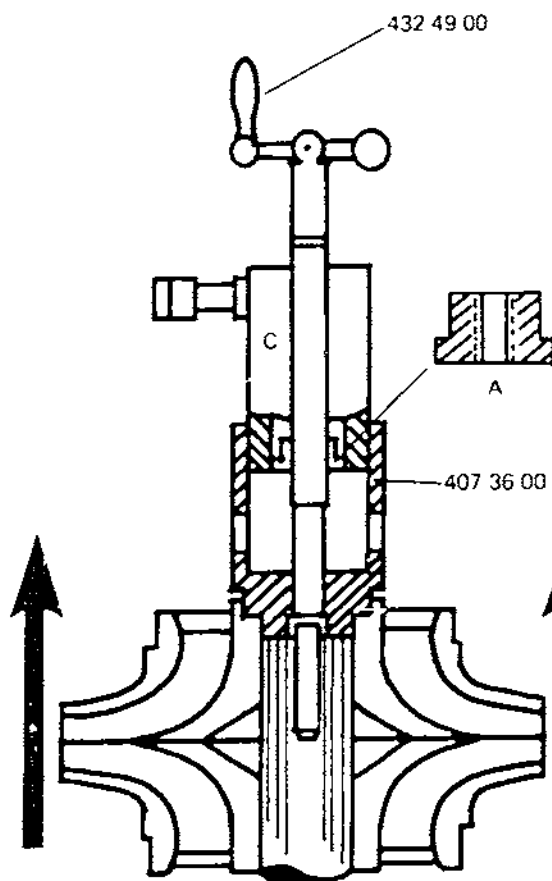
84 13 68



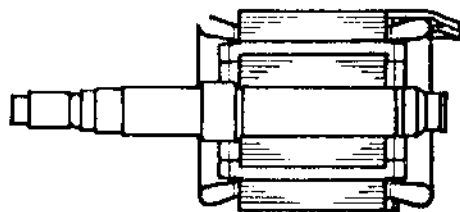
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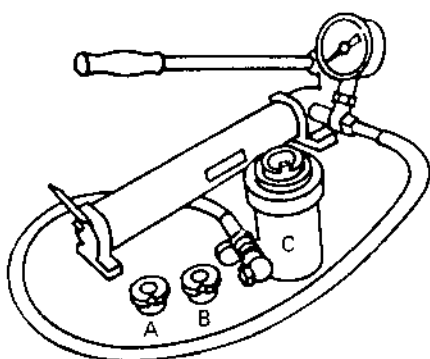
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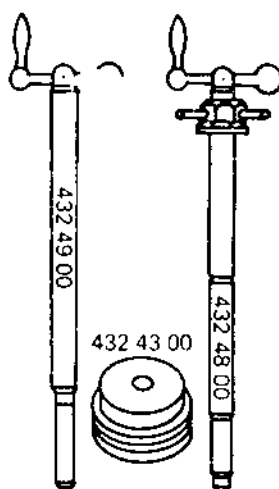
3350 & 3530



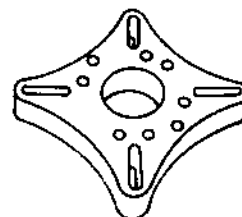
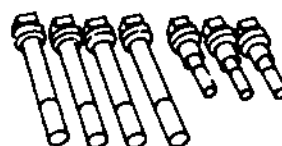
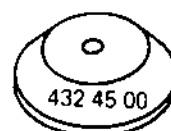
820, 860
840, 880



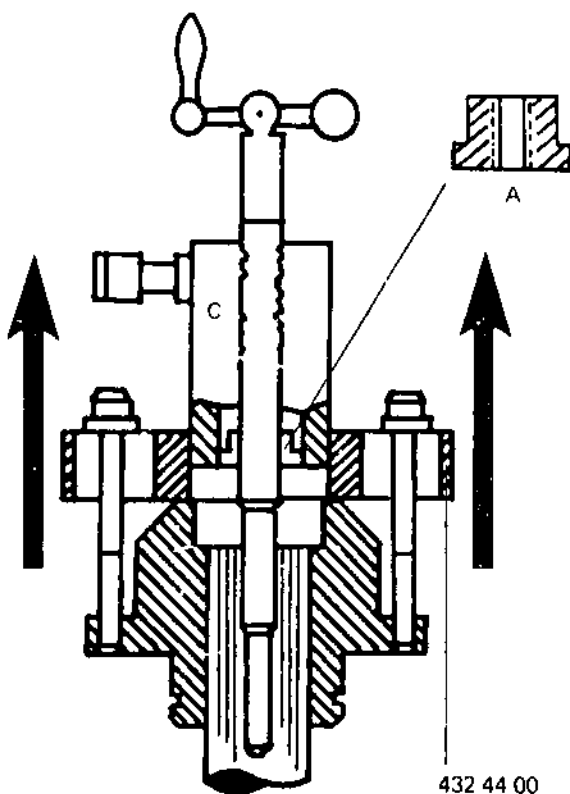
84 13 68



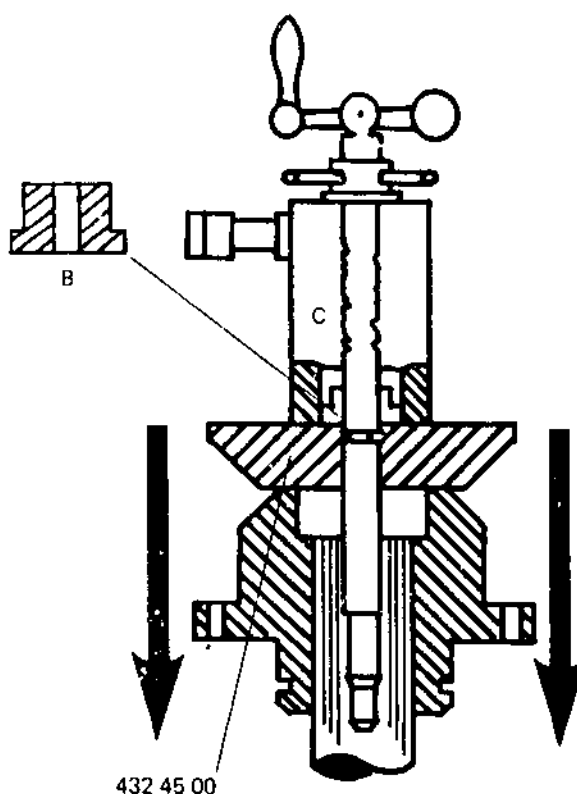
436 15 00



436 18 00

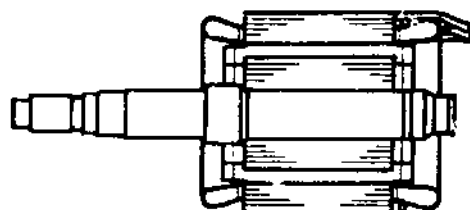


432 44 00

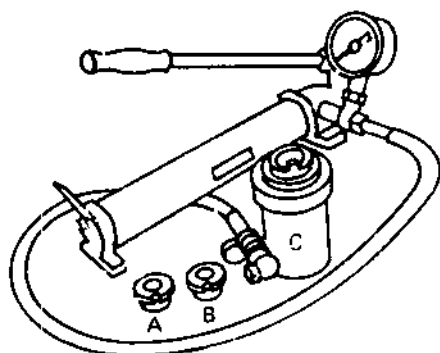


432 45 00

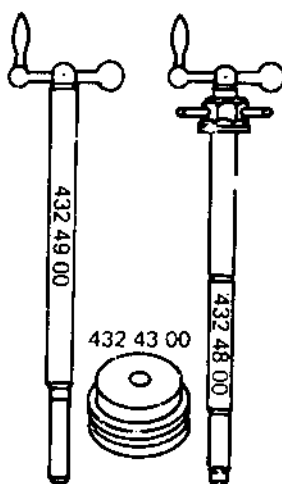
7080 & 7100



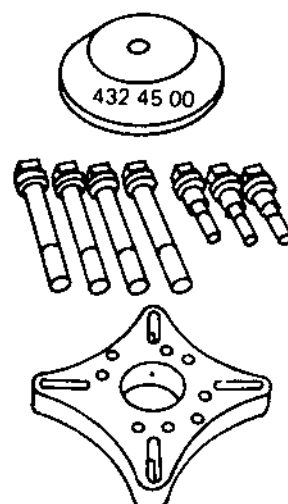
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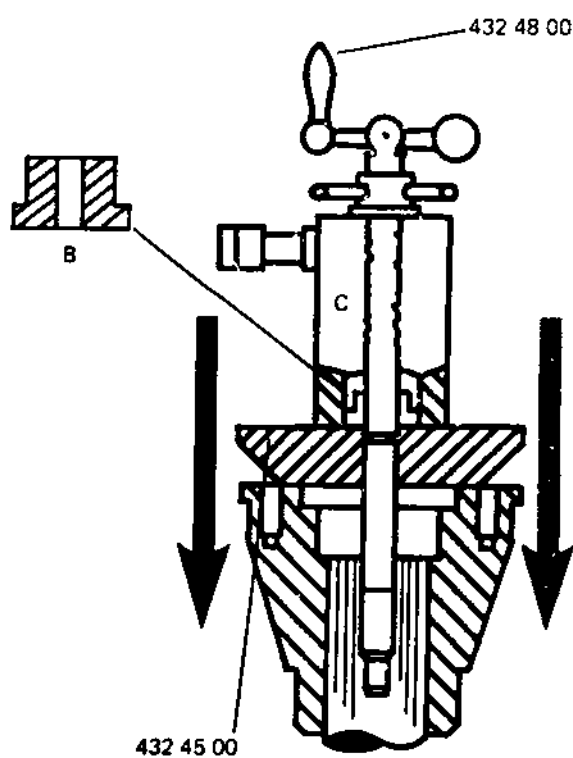
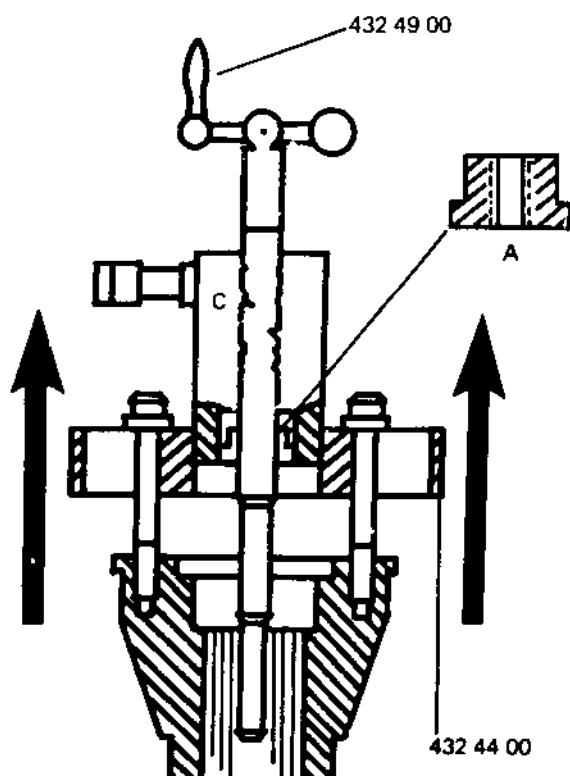
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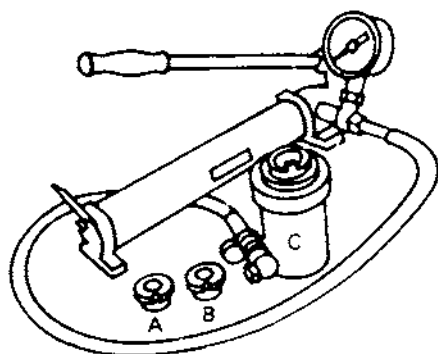
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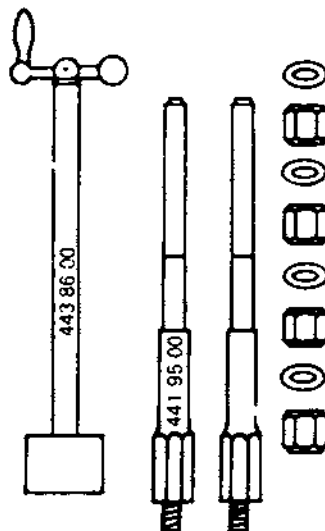
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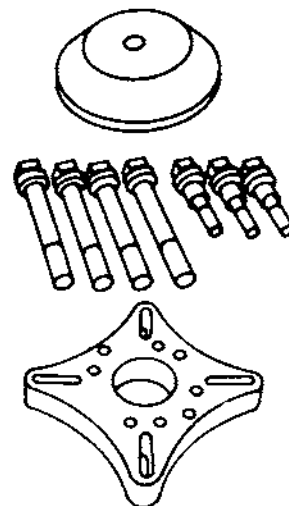
3350 & 3530



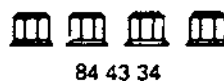
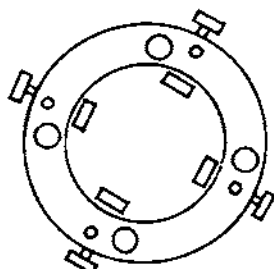
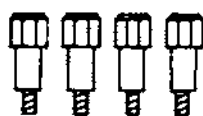
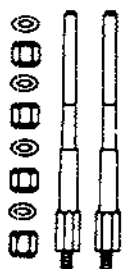
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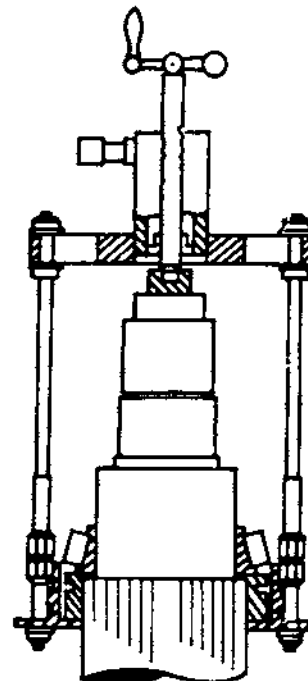
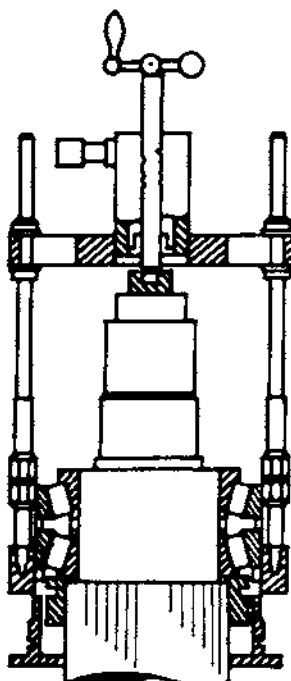
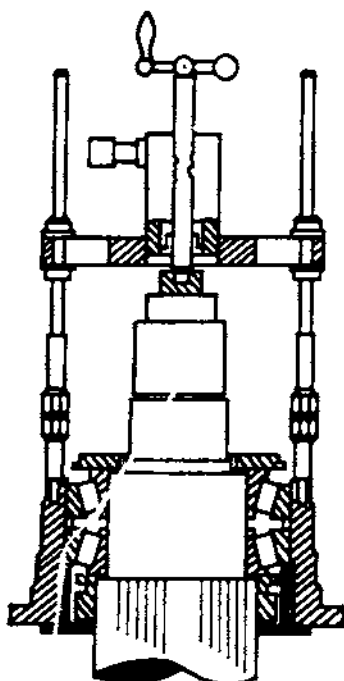


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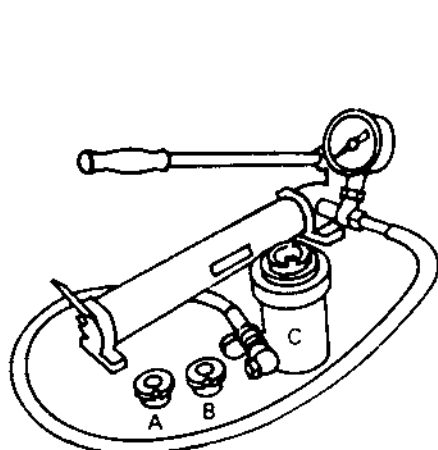
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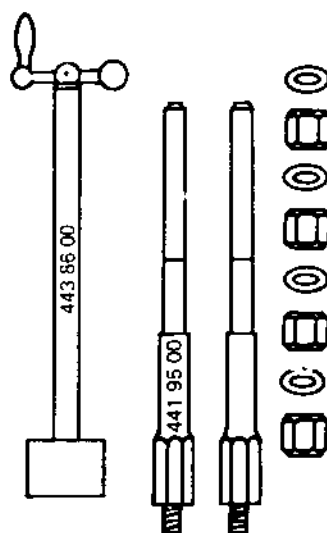


680, 760 & 770

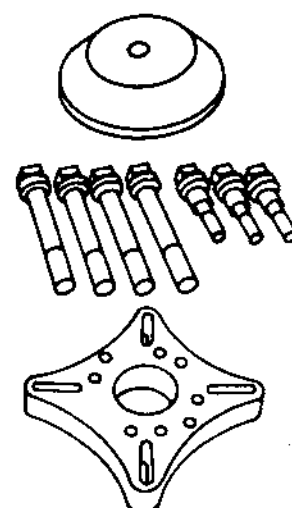
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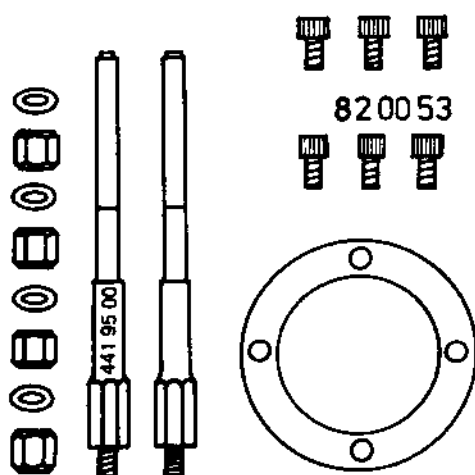
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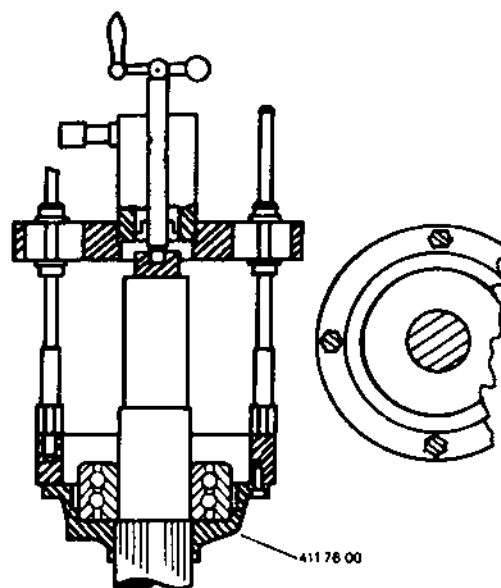
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436 18 00

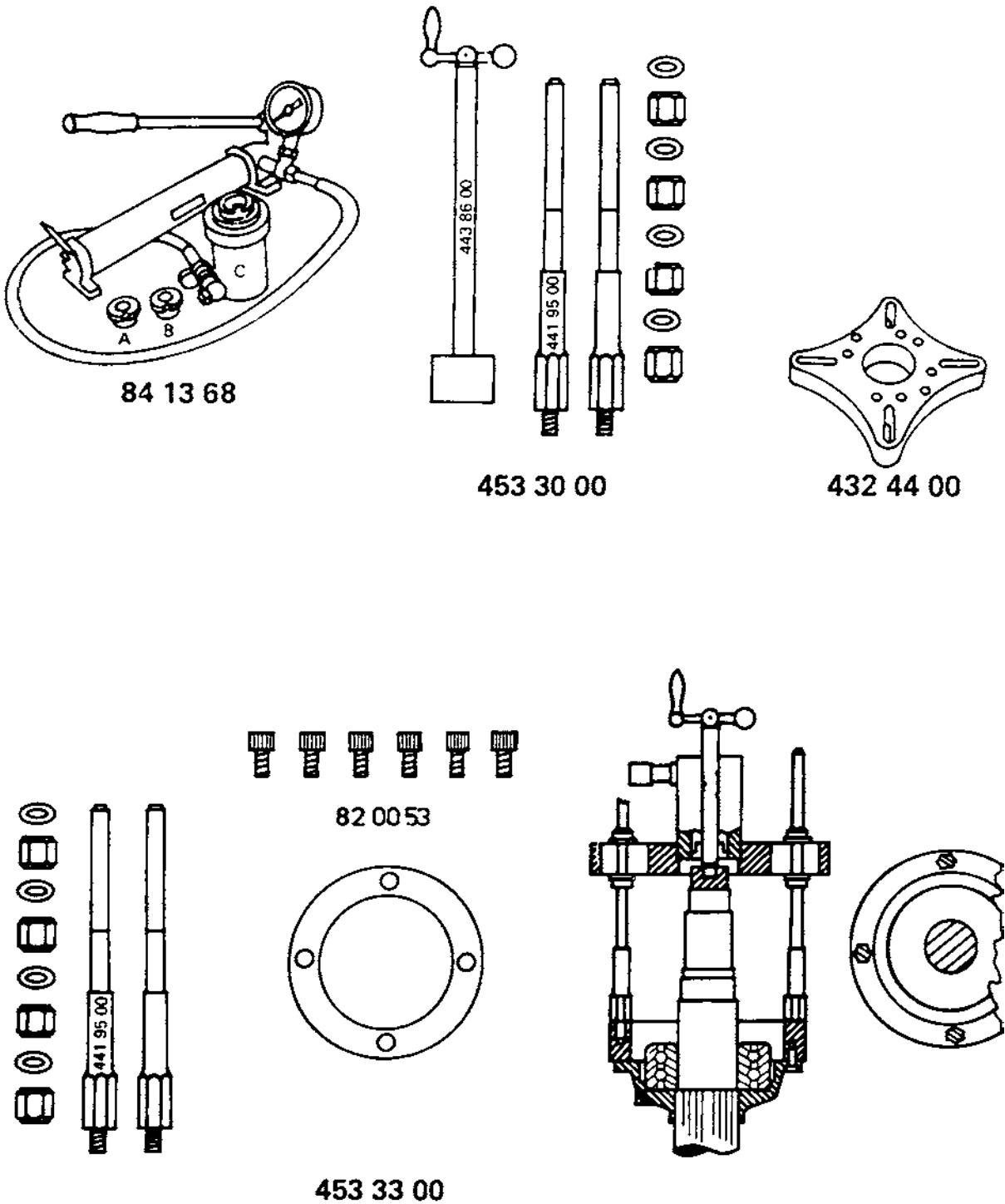


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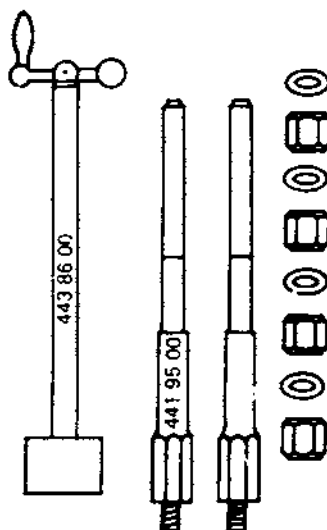
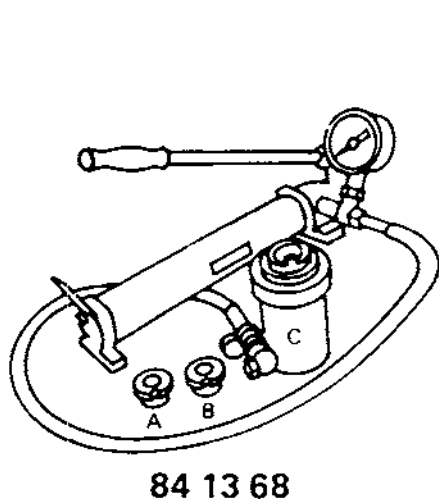
411 76 00

720

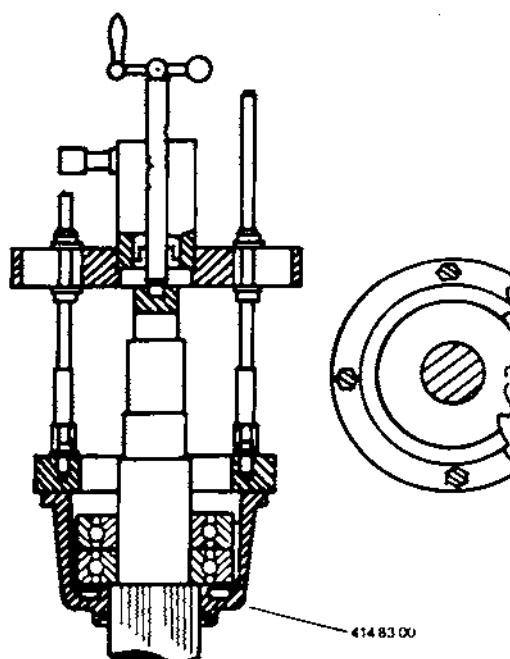
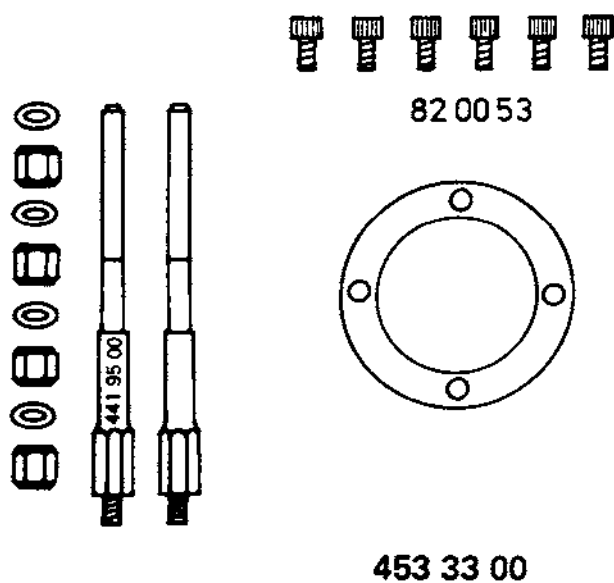
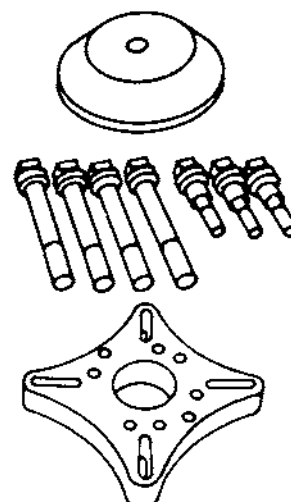


760 & 770

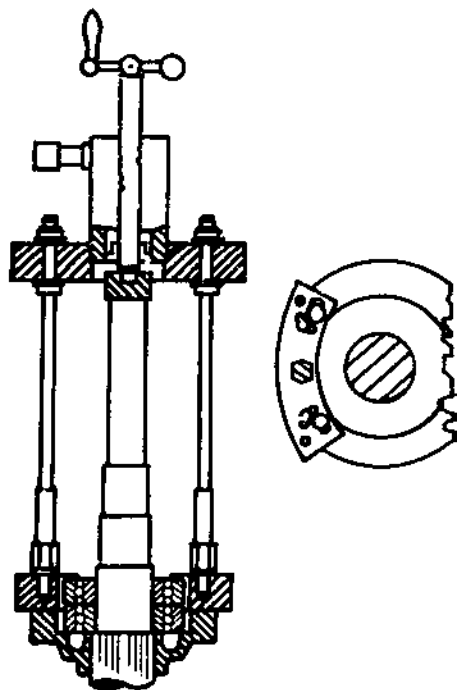
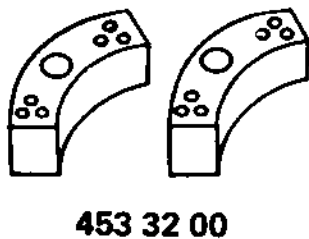
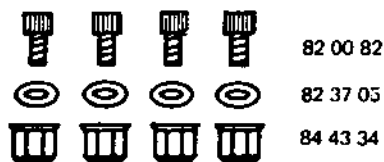
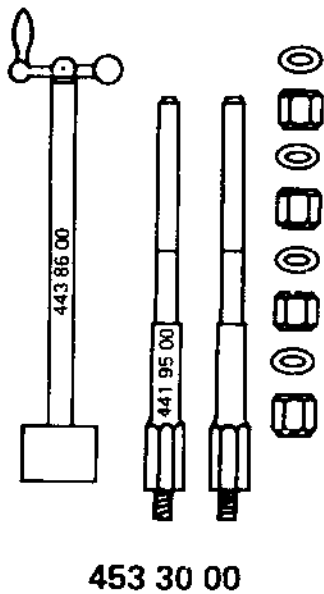
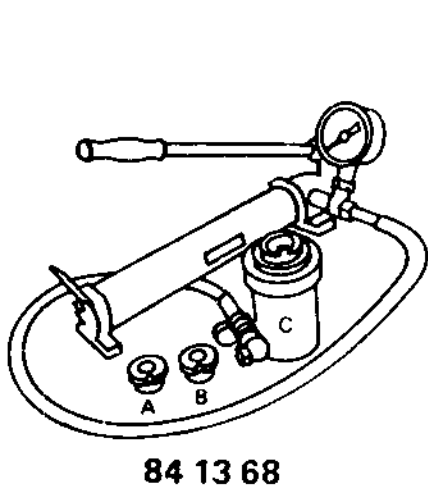
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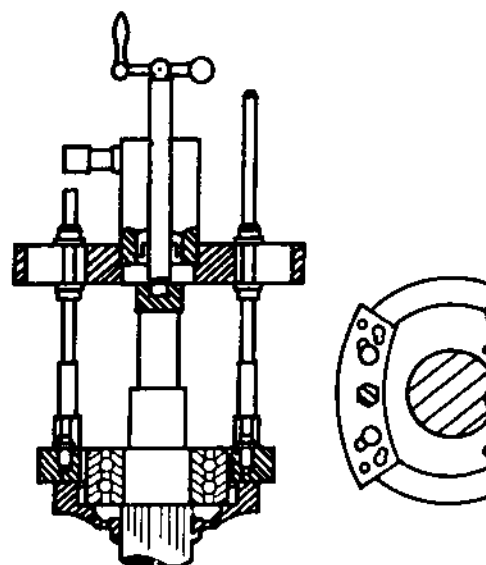
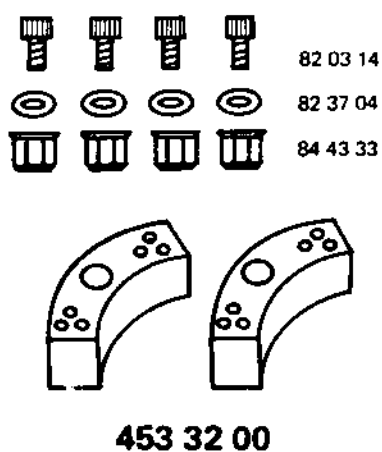
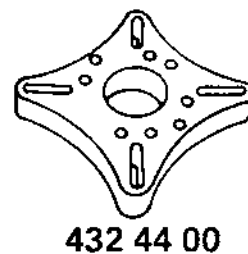
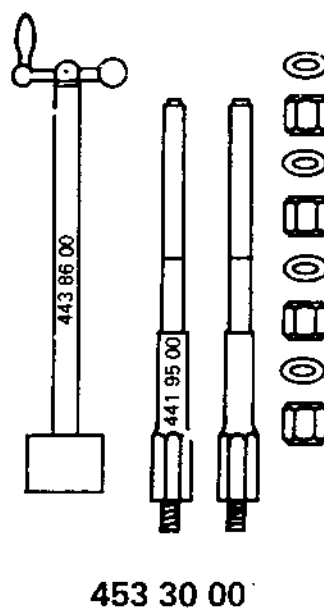
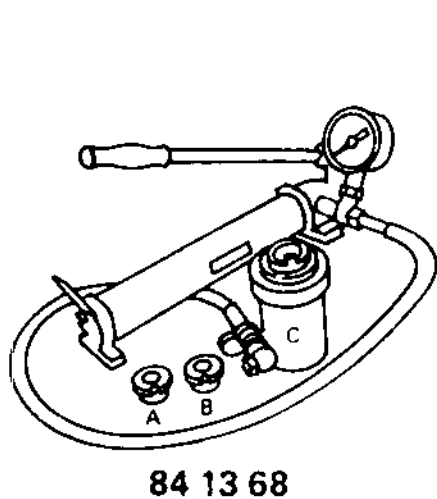
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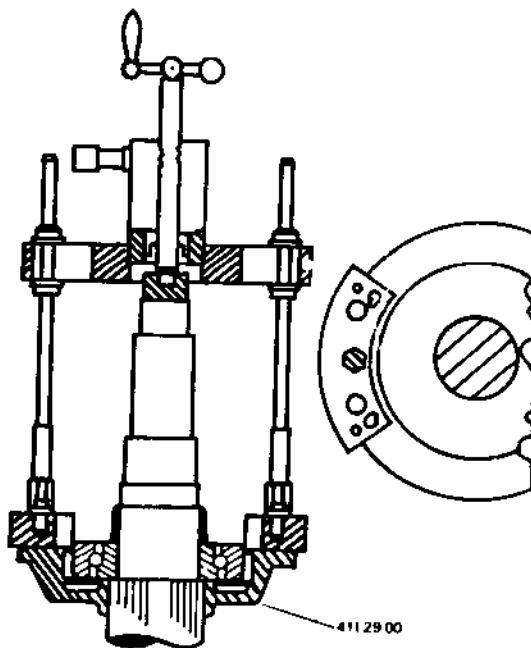
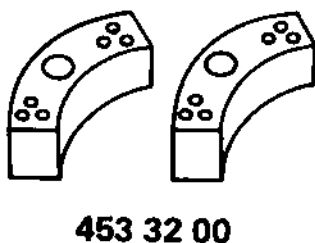
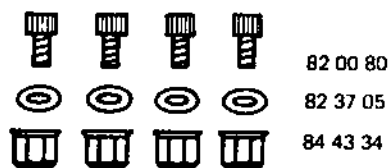
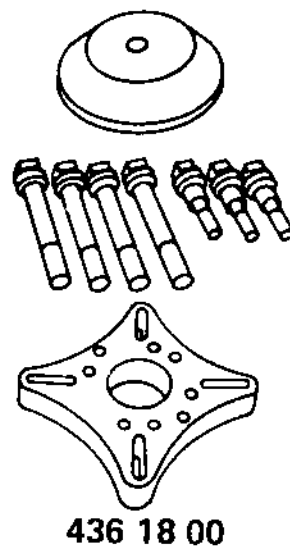
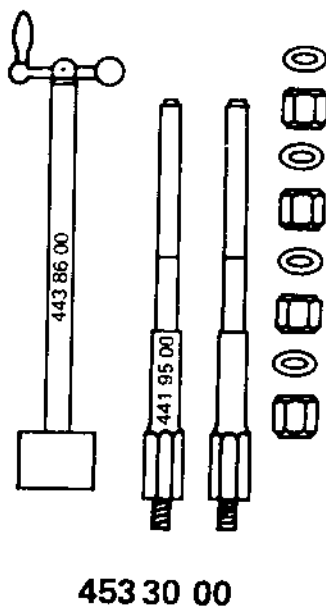
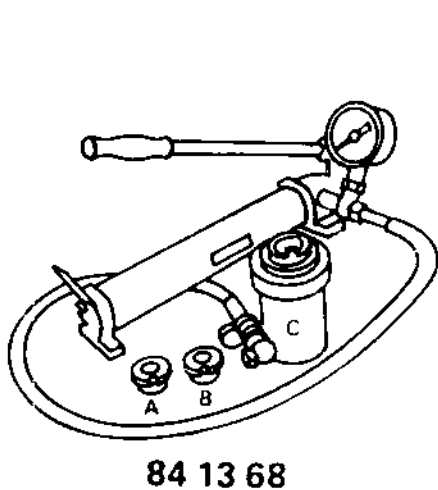


3210



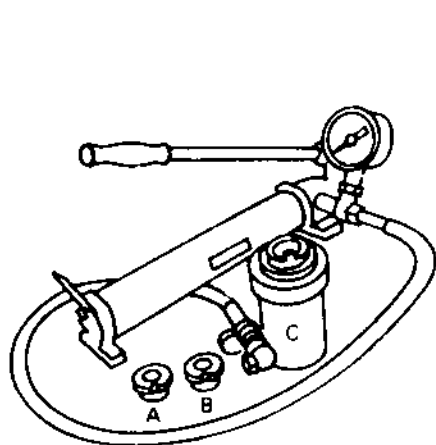
820

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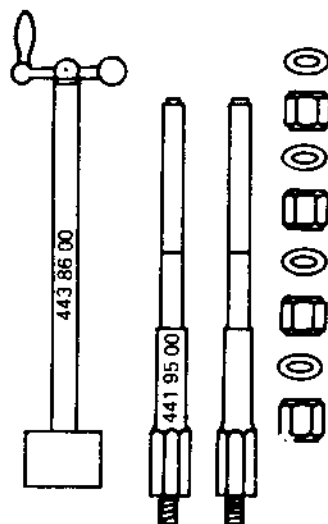


820, 860 & 900

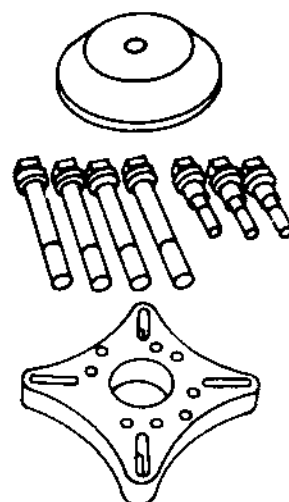
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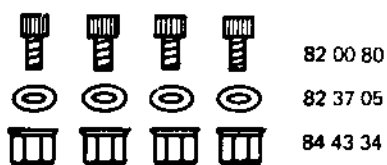
84 13 68



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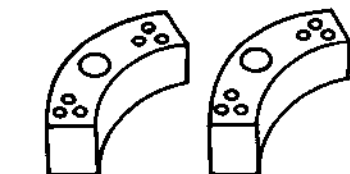
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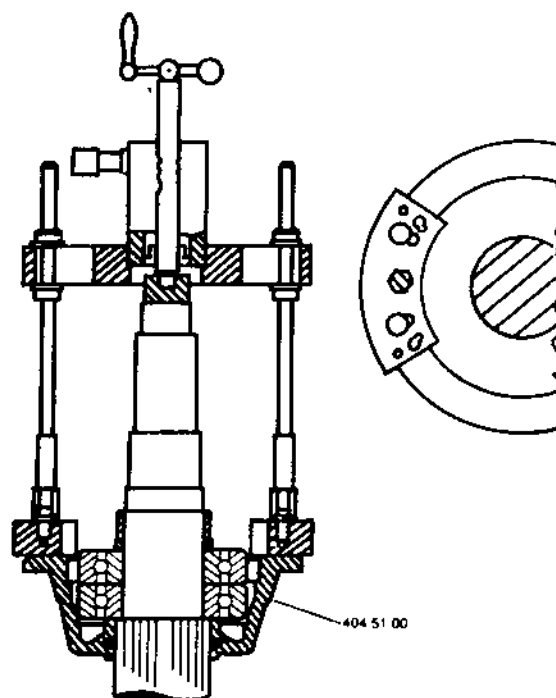
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82 37 05

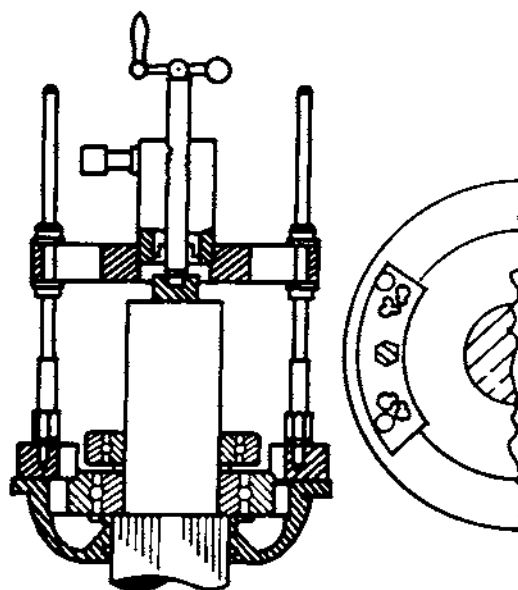
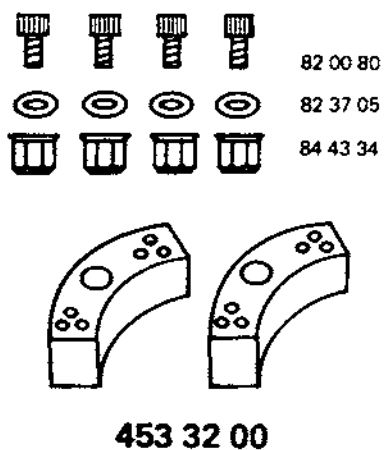
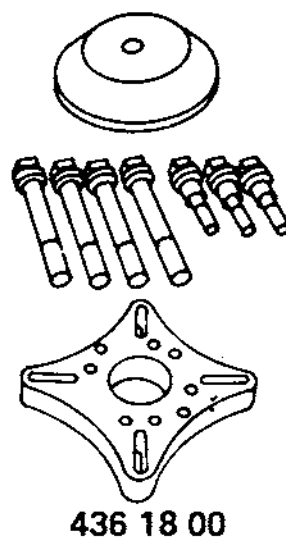
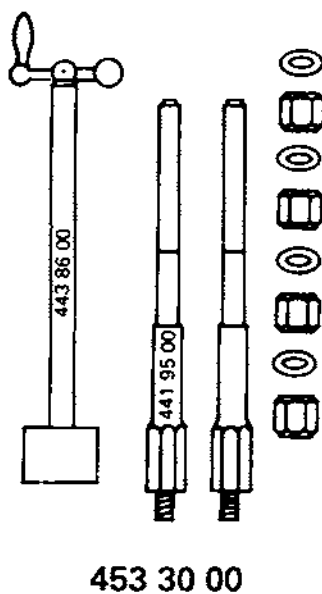
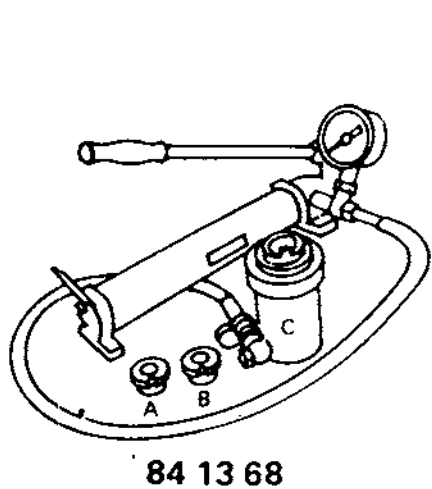
84 43 34



453 32 00



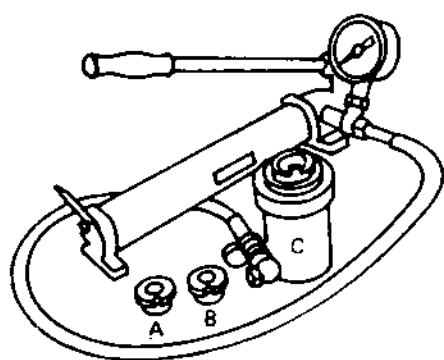
3900 & 930



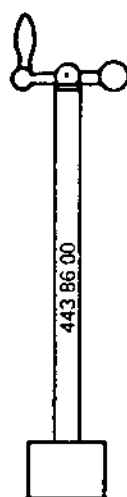
820 & 860

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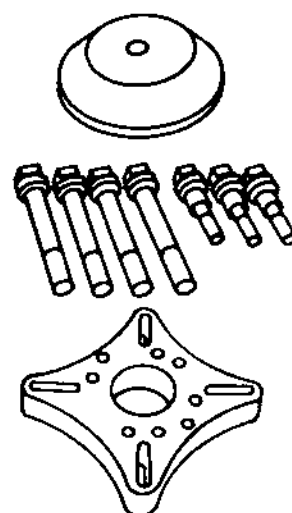
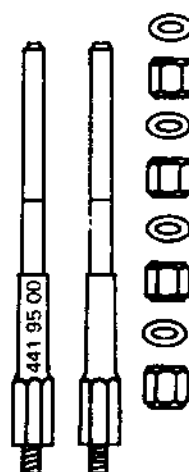
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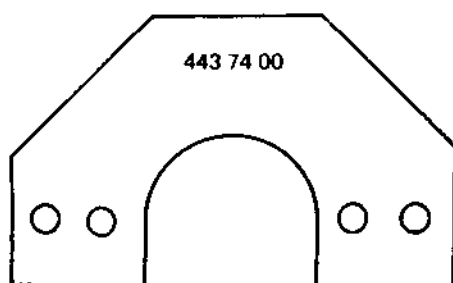
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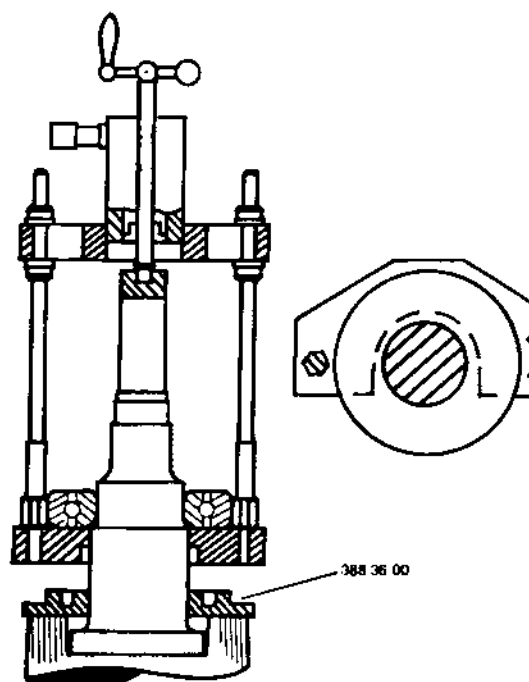
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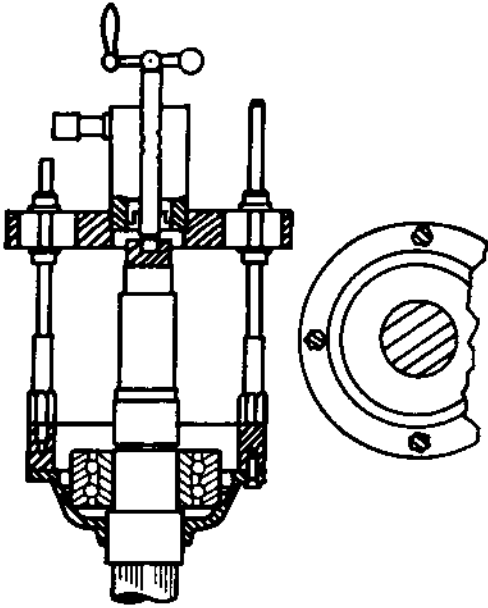
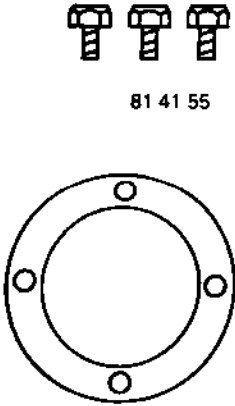
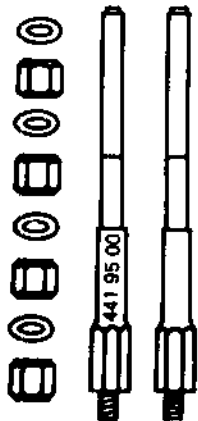
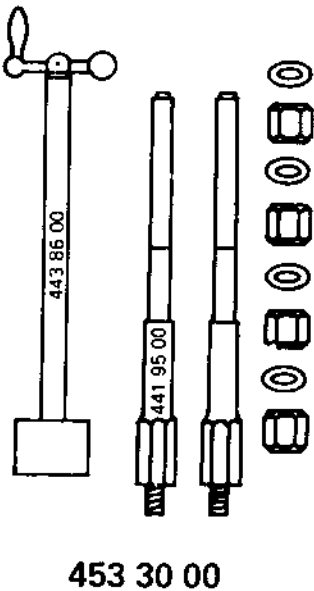
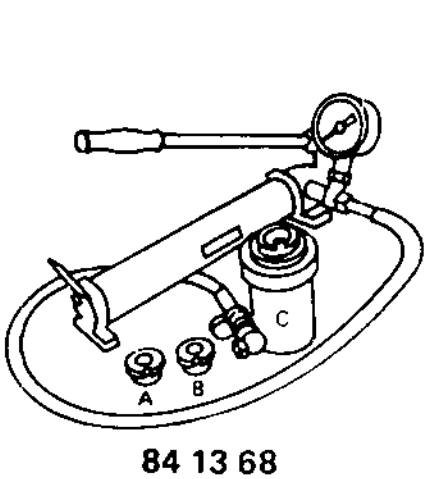
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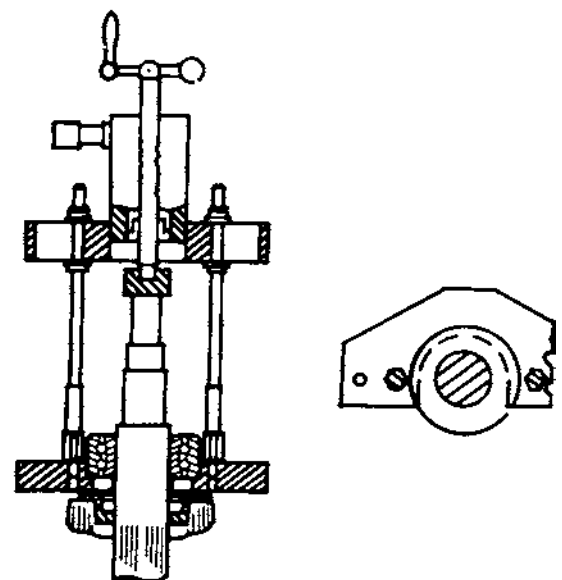
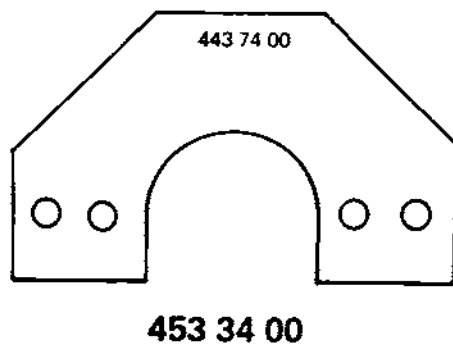
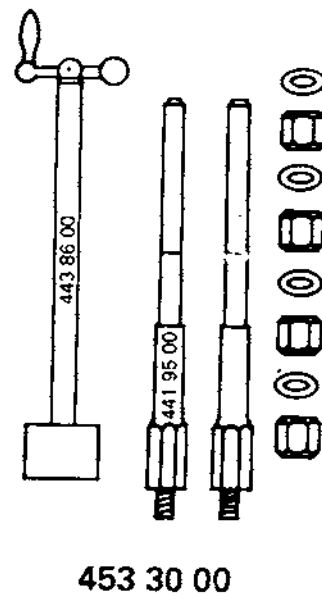
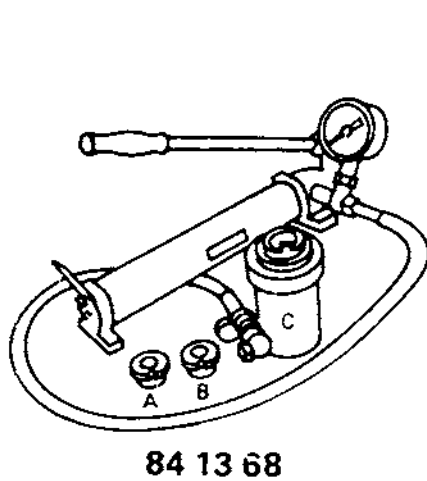
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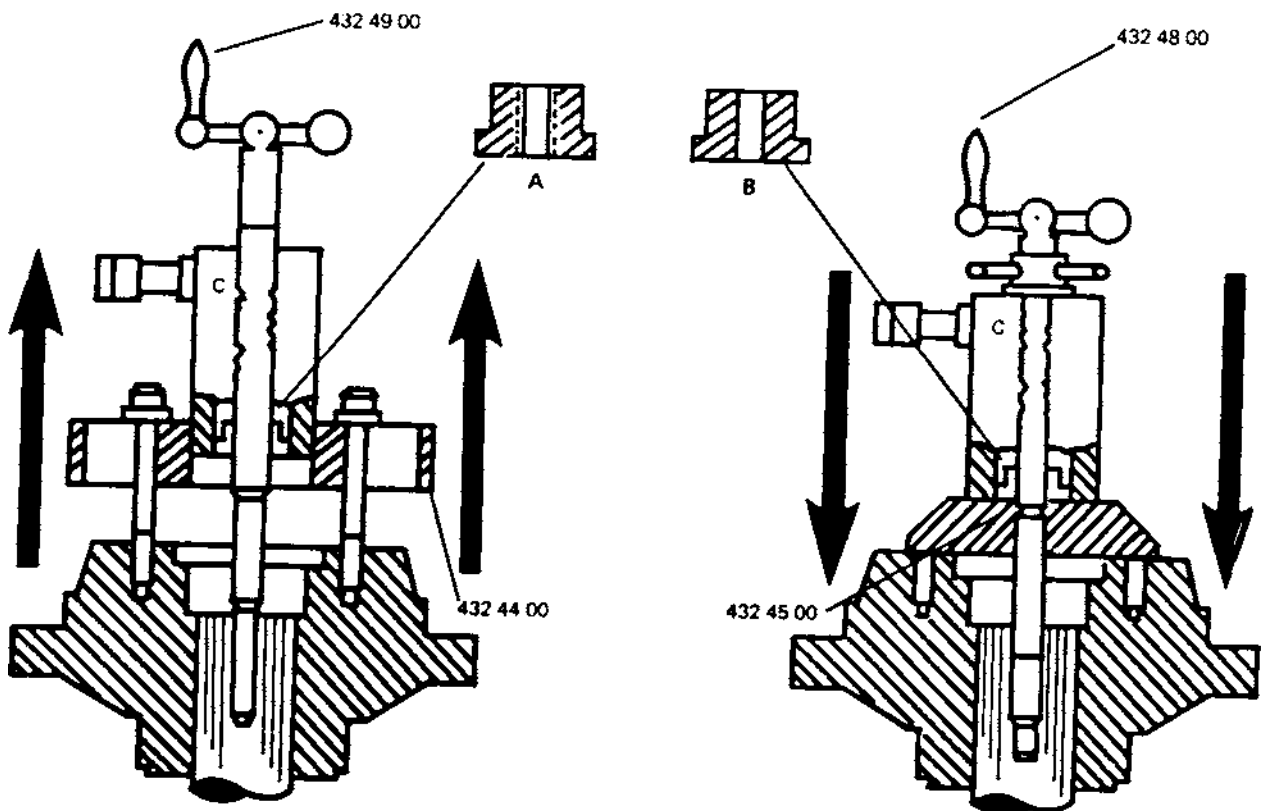
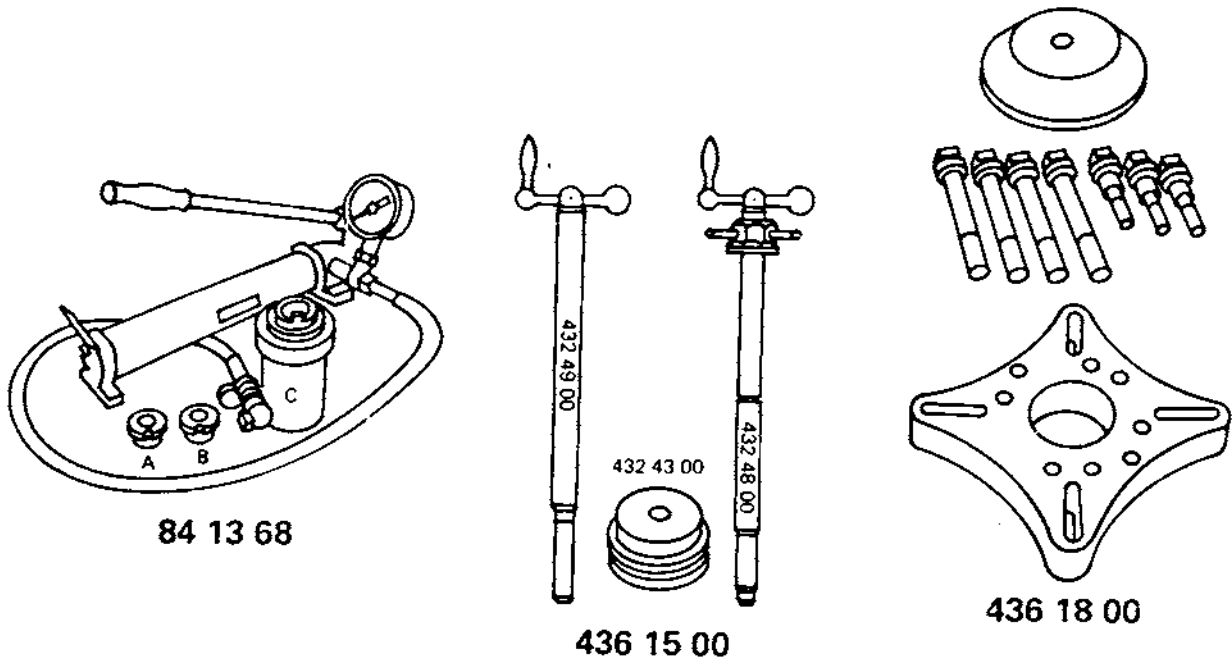
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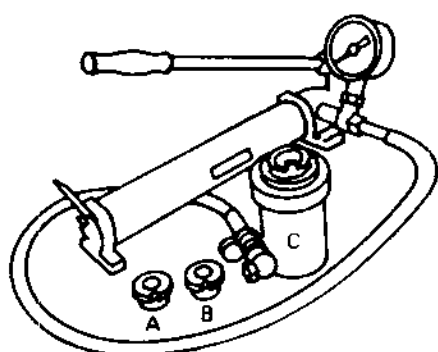
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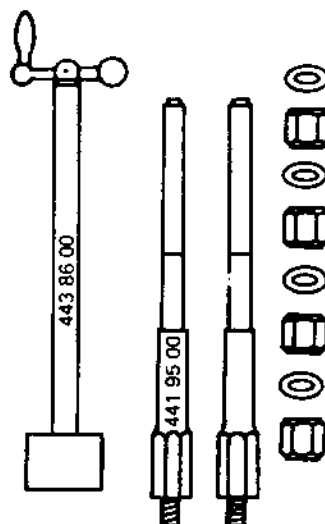
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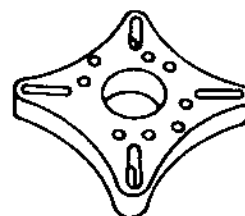
5160, 5210, 5250 & 5350



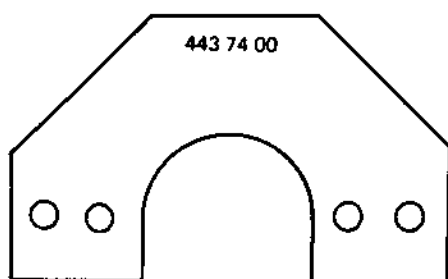
84 13 68



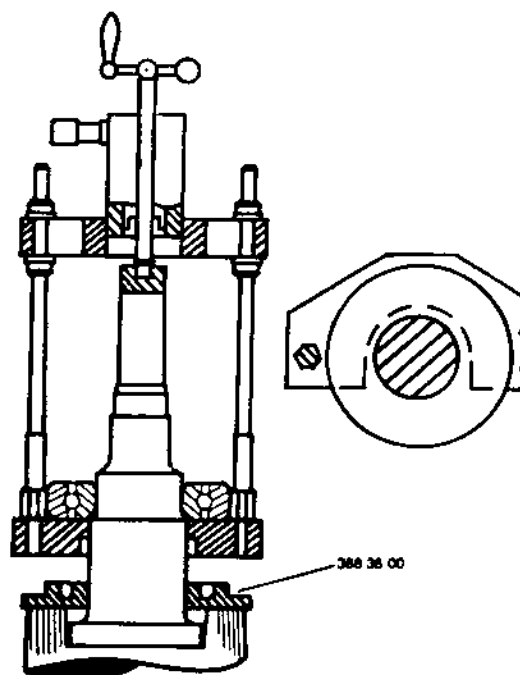
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432 44 00



453 34 00



7100, 7120 & 7140

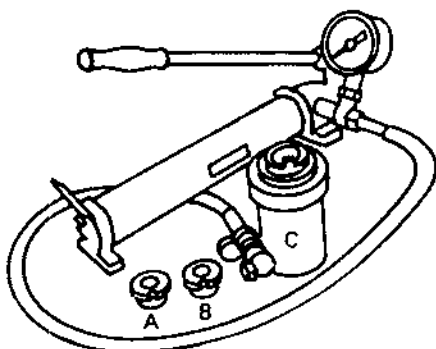
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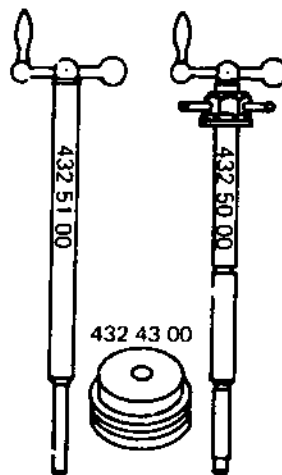
760, 840,
770, 860,
820, 880,



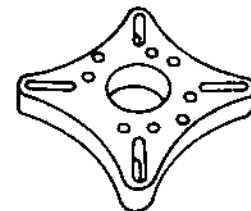
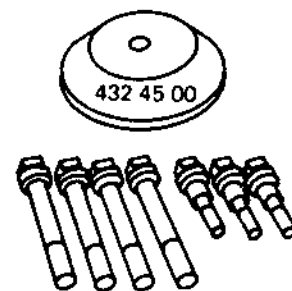
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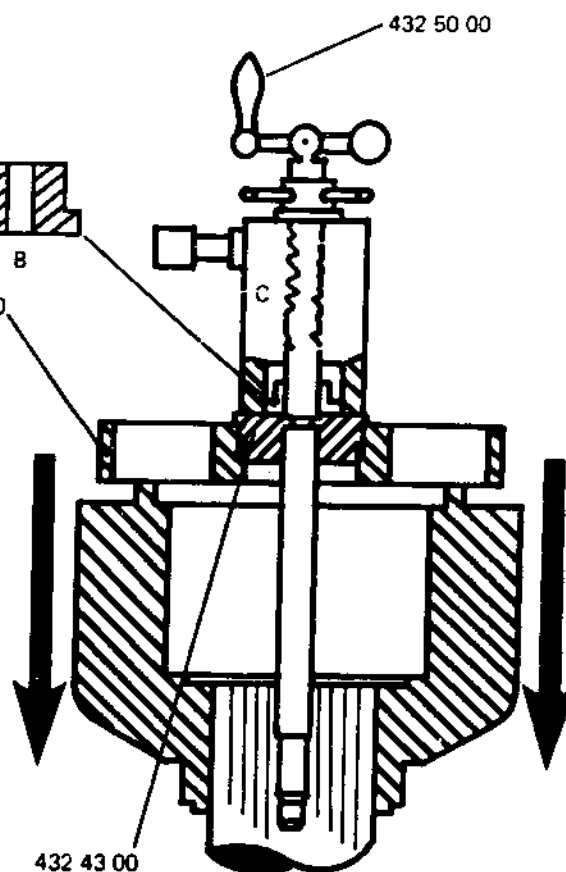
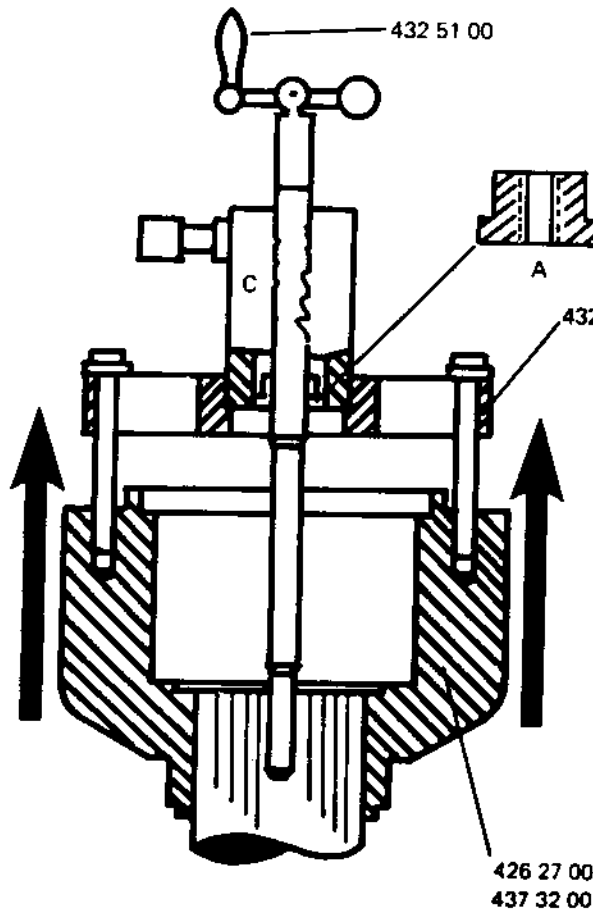
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436 19 00



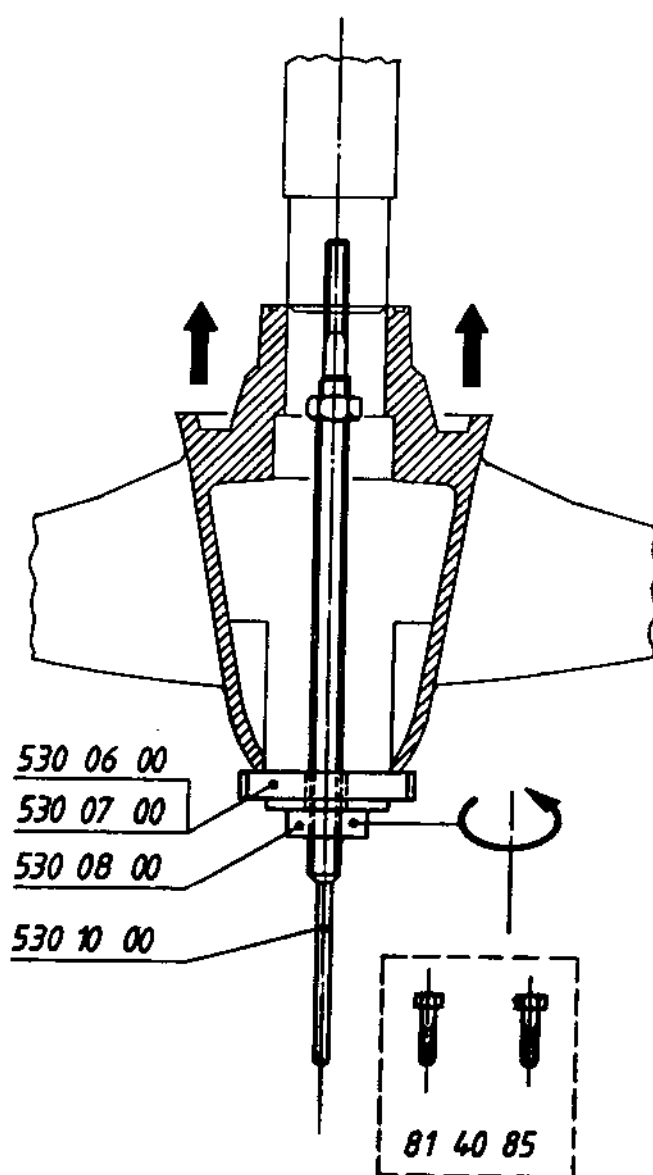
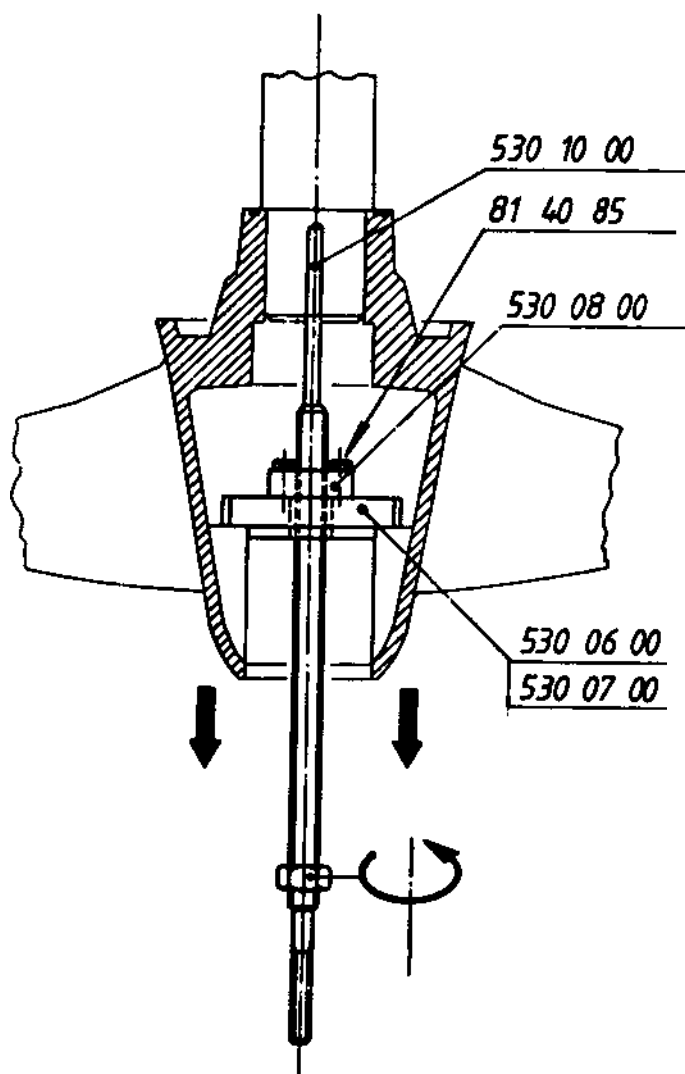
436 18 00



Mont. 19.01. Eng. IM 08.82

Instruction card No 4583500

7045, 7055 & 7075



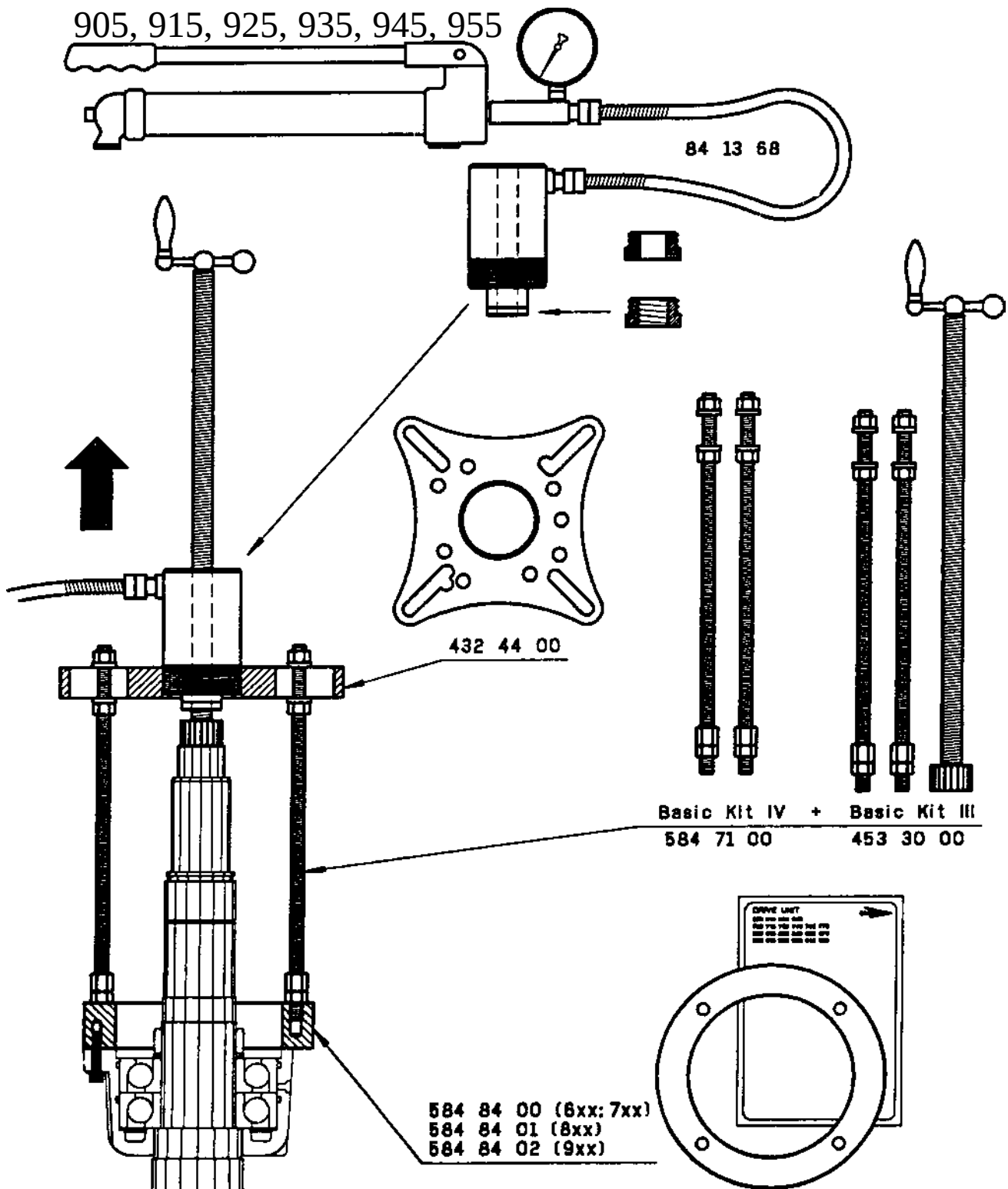
Drive unit

605, 615, 665, 675

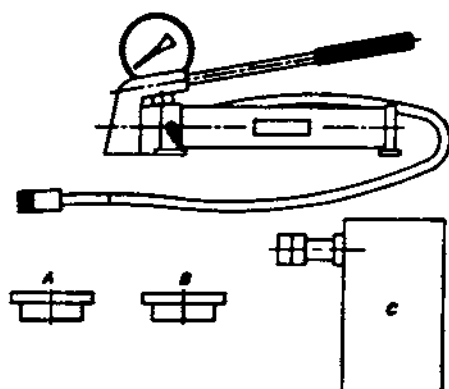
705, 715, 735, 745, 765, 775

805, 815, 835, 845, 865, 875

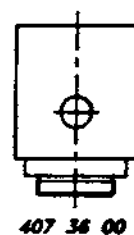
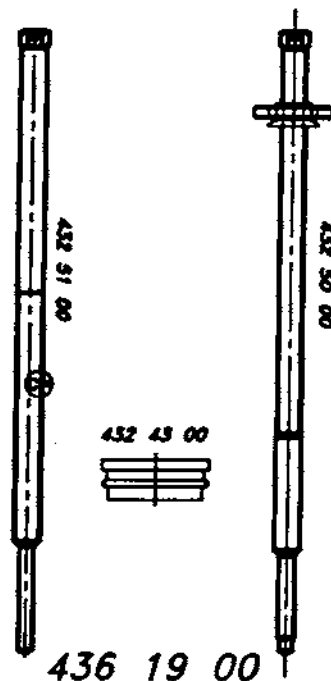
905, 915, 925, 935, 945, 955



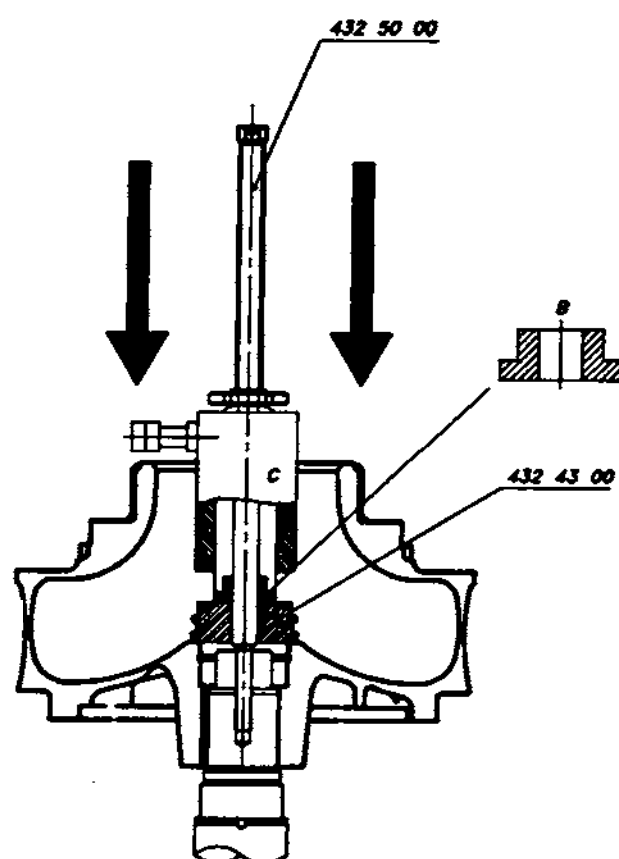
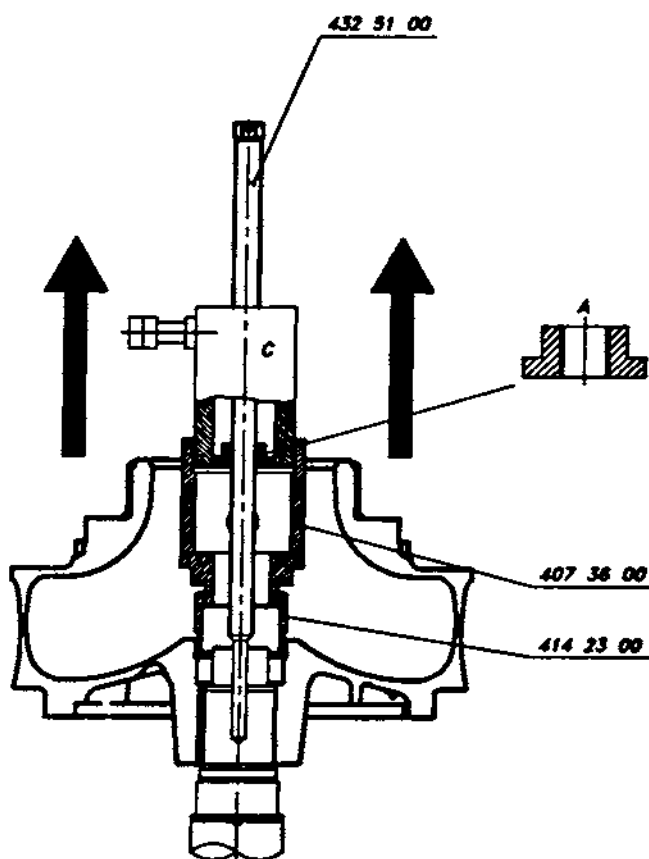
3231, 3306, 3356, (5150)



84 13 68

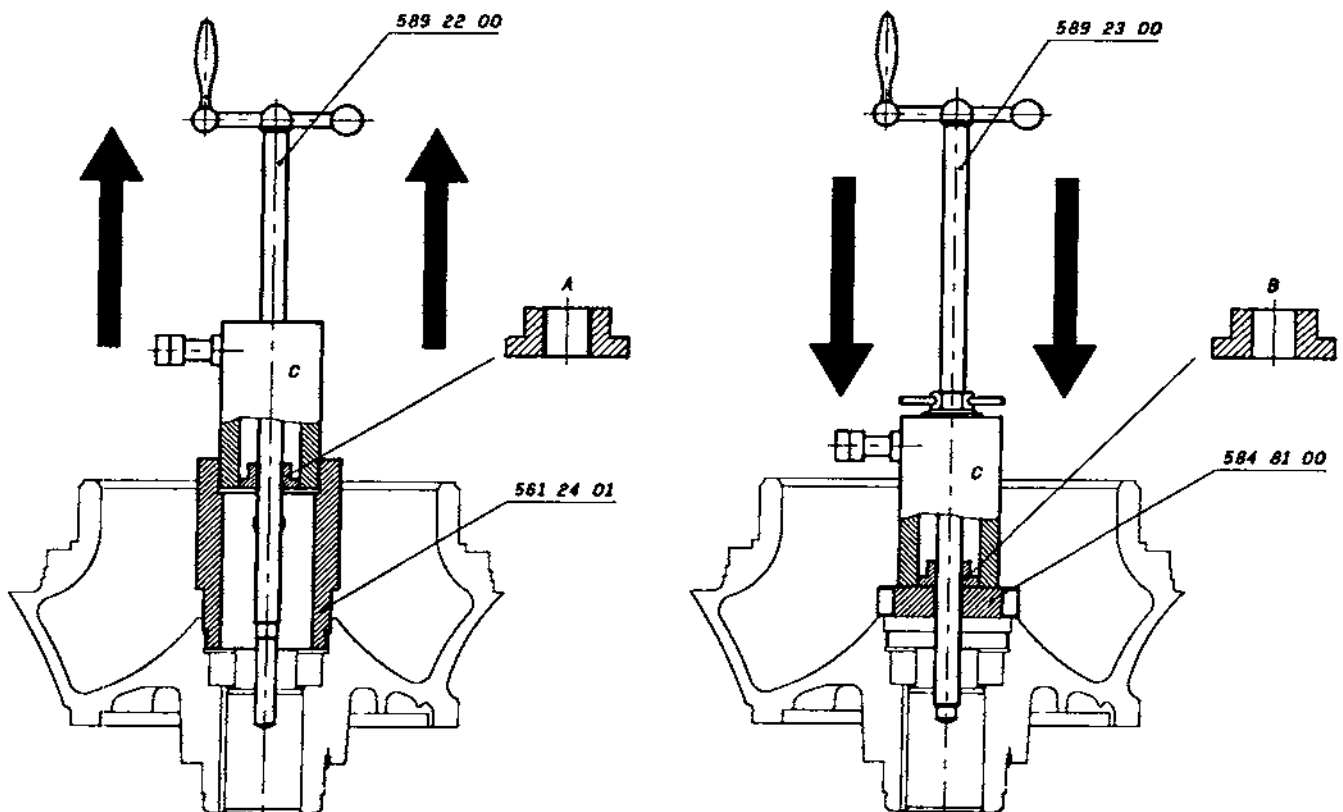
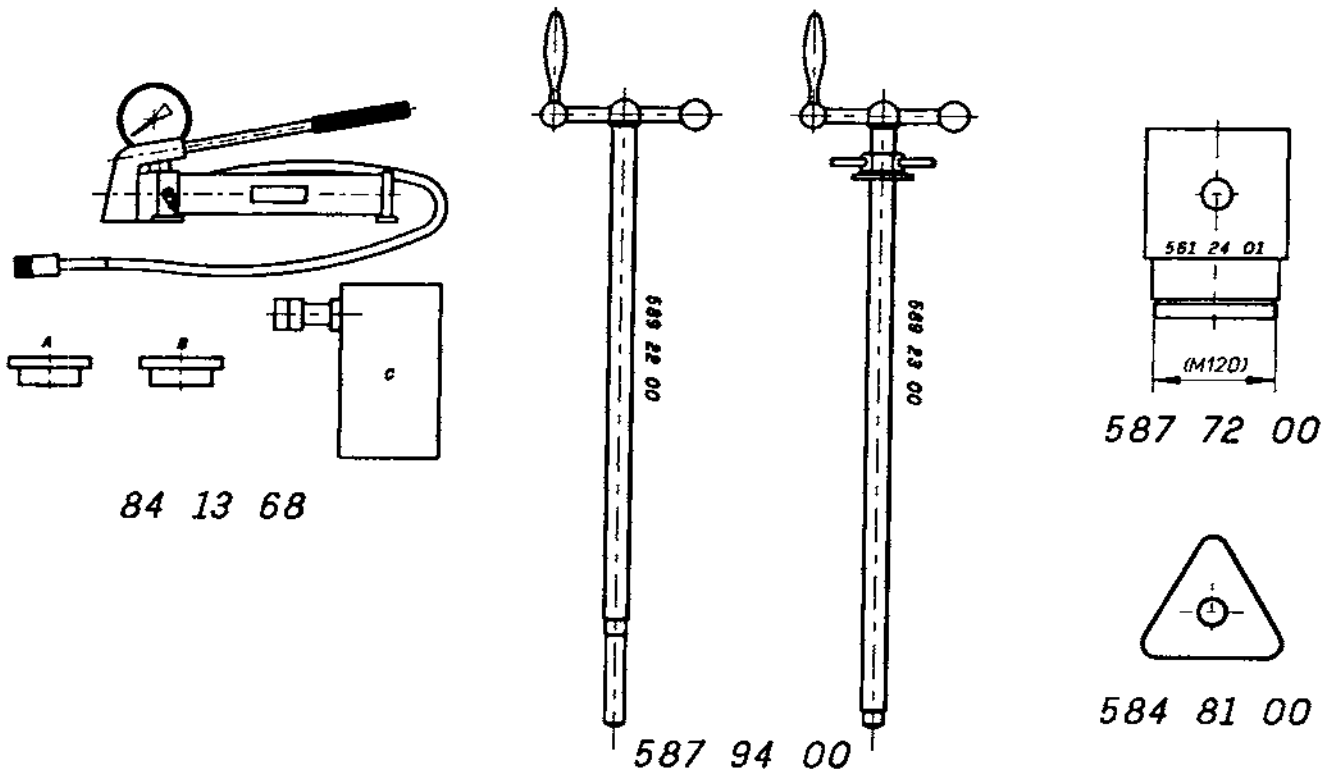


436 74 00



3312, 3400 & 3501 (All versions)

3531 & 3602 (Impeller hub M120, shaft diam. 75 & 90)

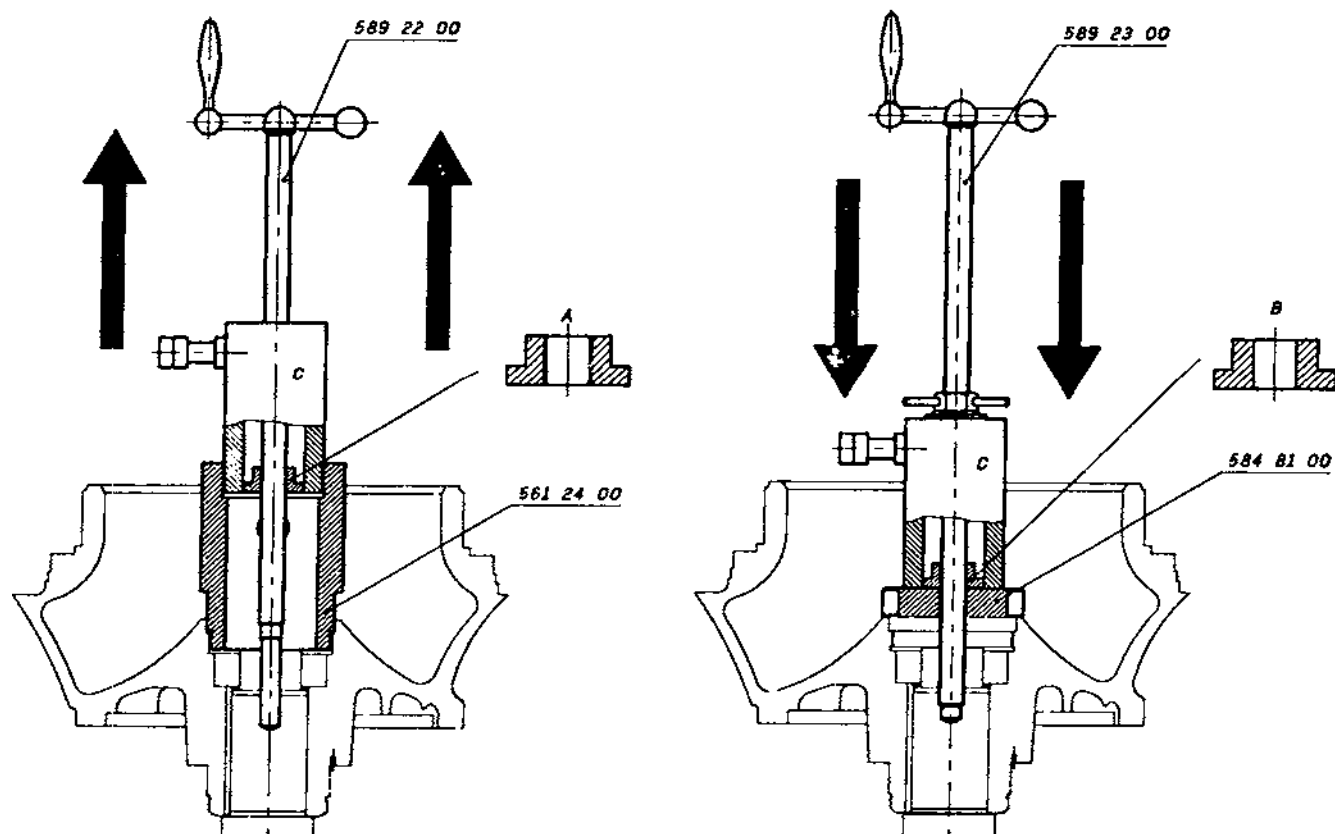
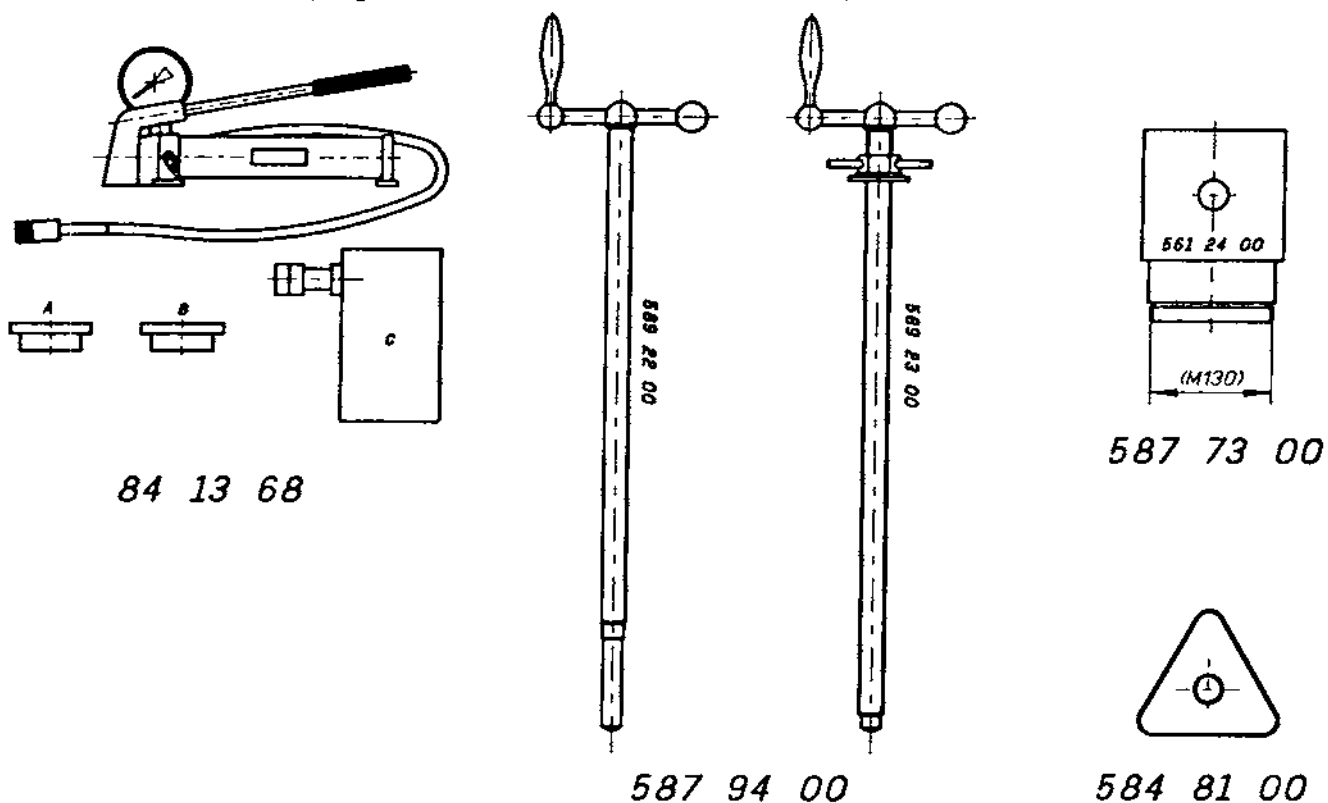


19.01 01.93

Instruction card No 5877500

3351, 3531 & 3602

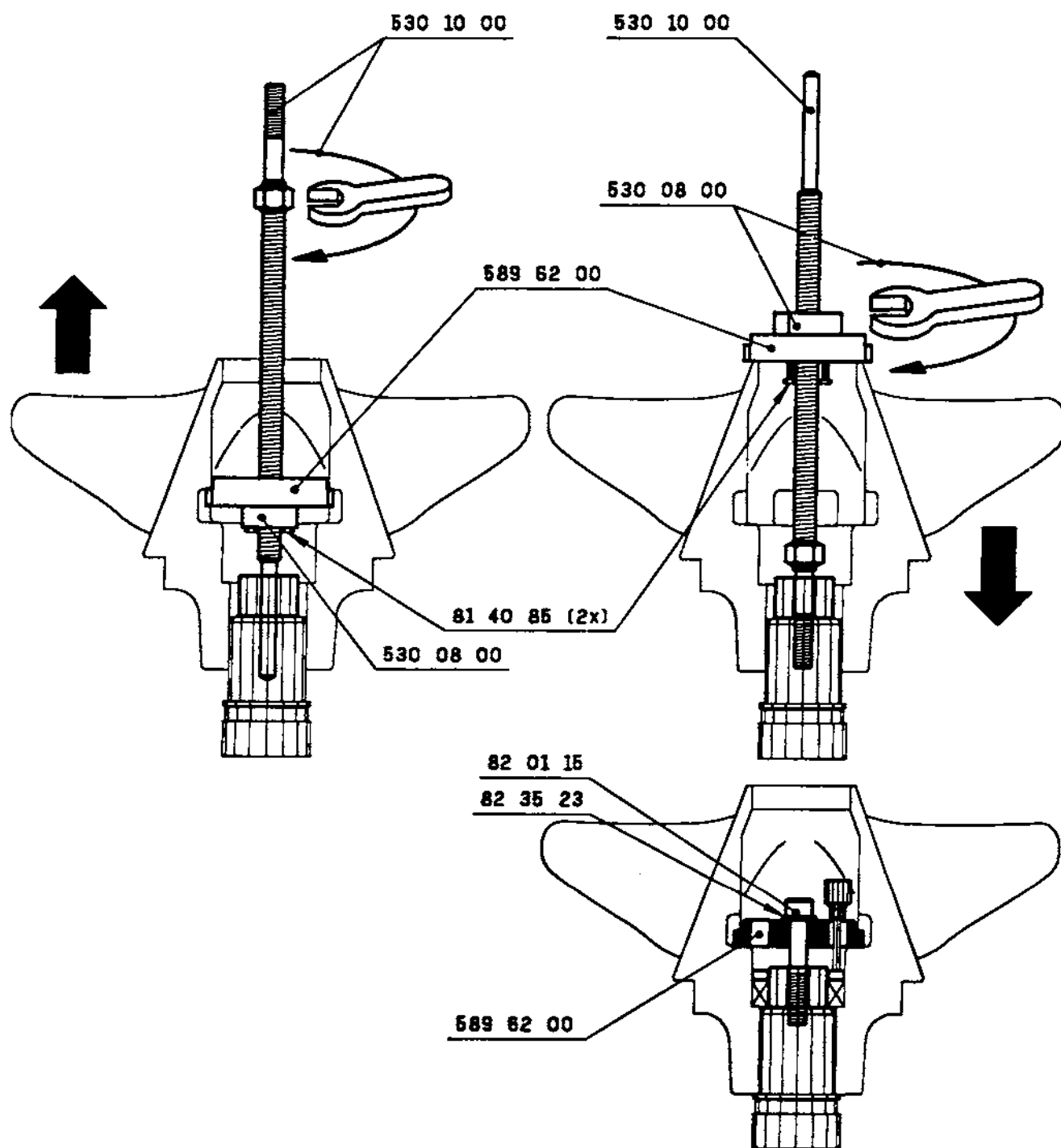
(Impeller hub M130, shaft diam. 110)



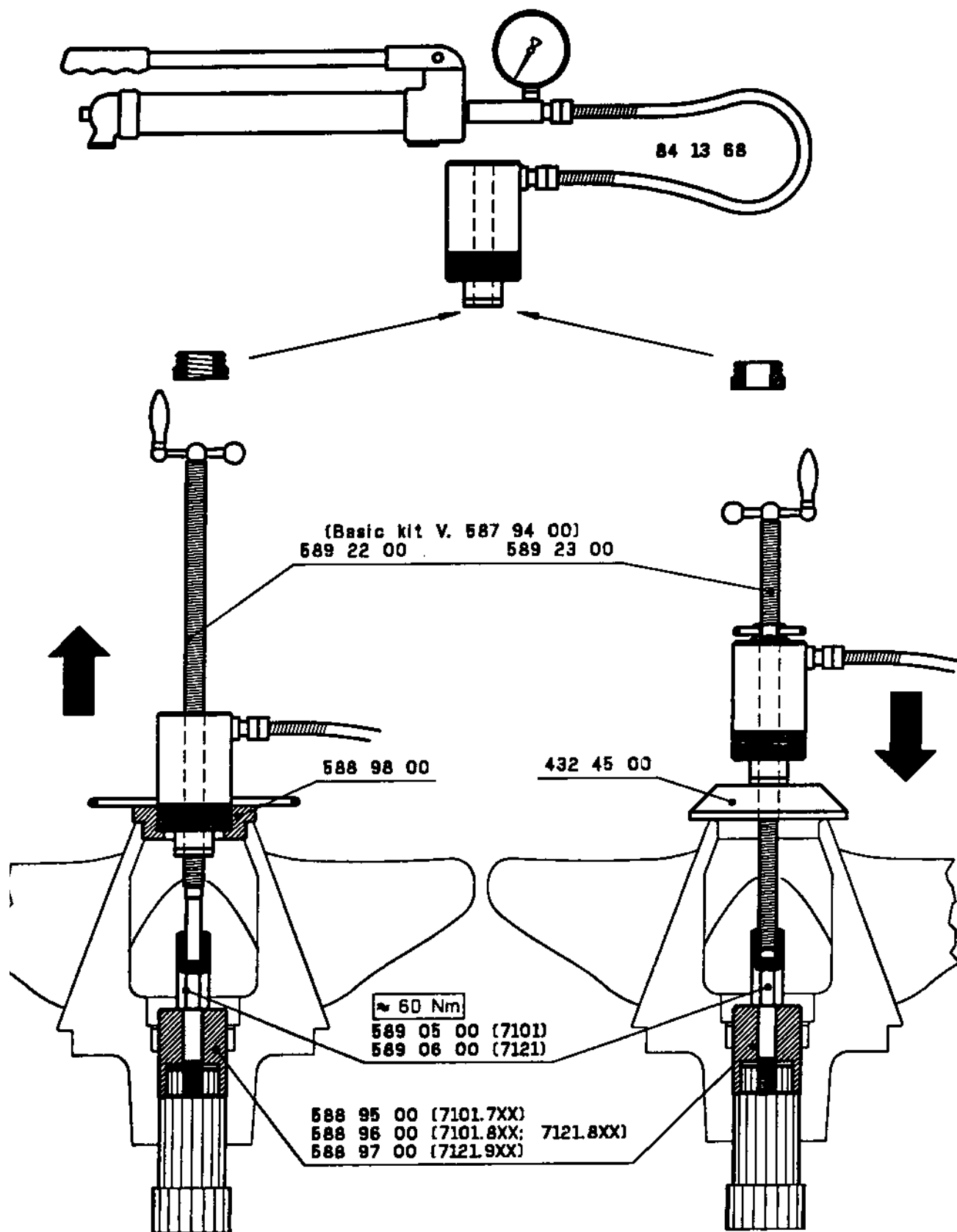
19.01 01.93

Instruction card No 5877600

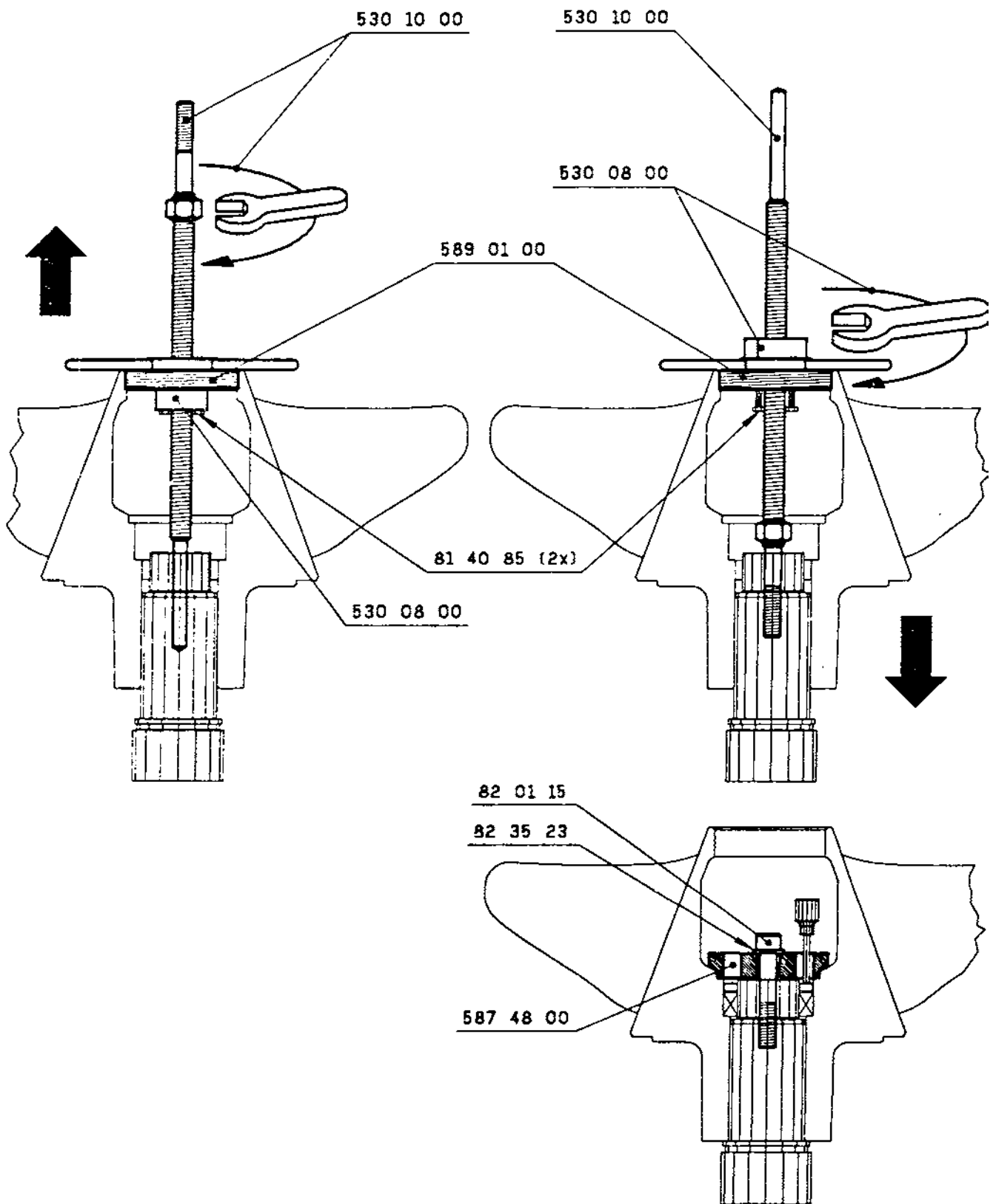
7061



7101 & 7121

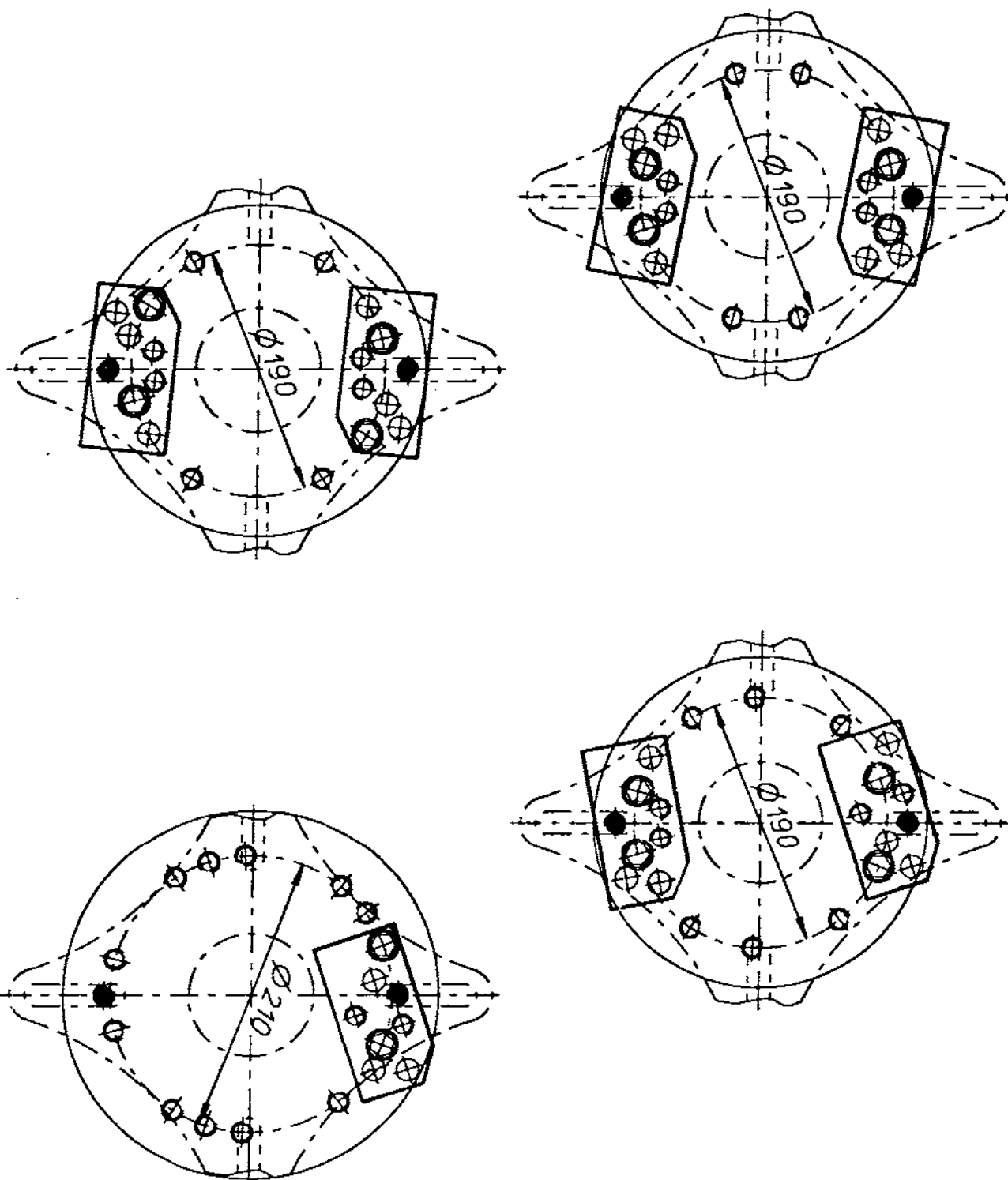


7081

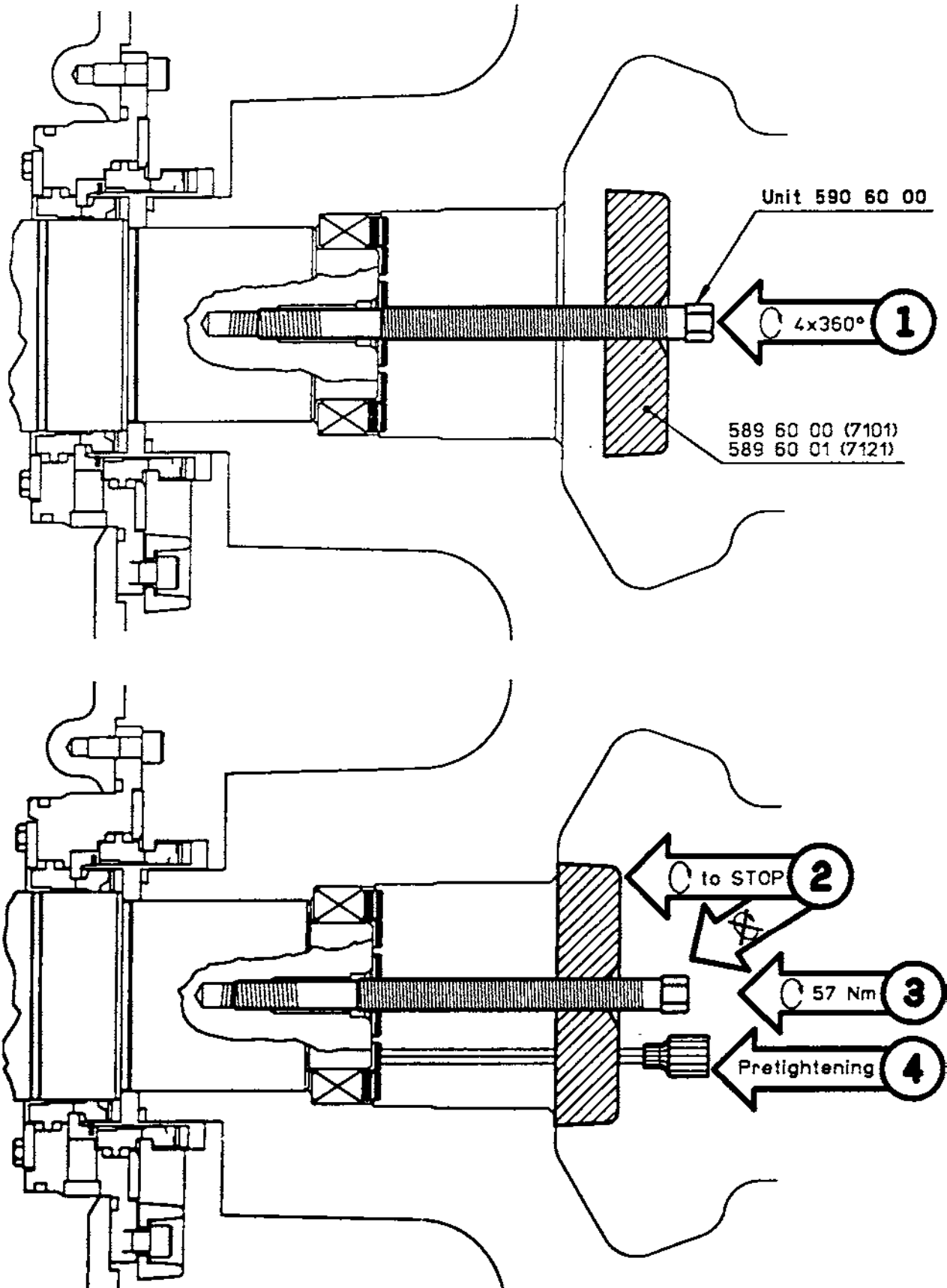




7080, 7115 & 7585

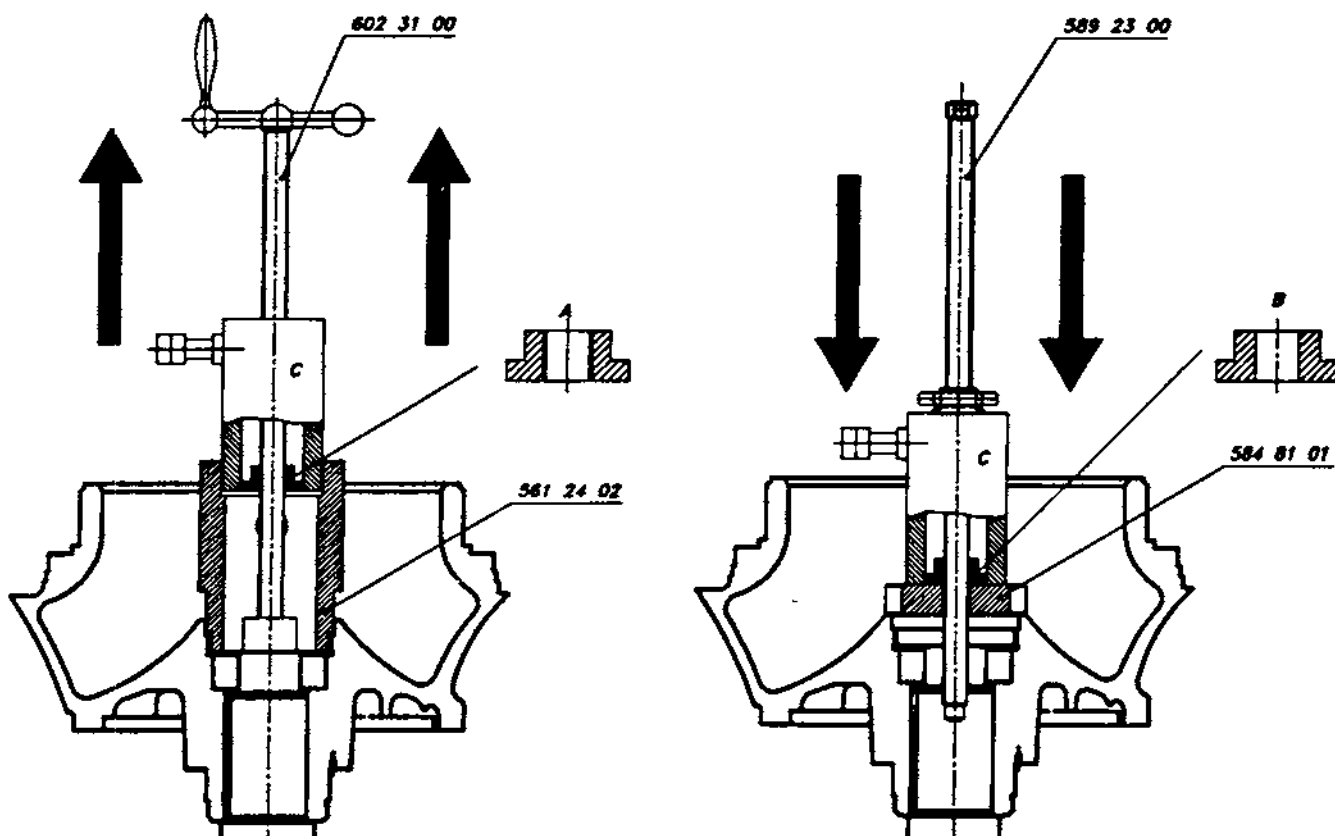
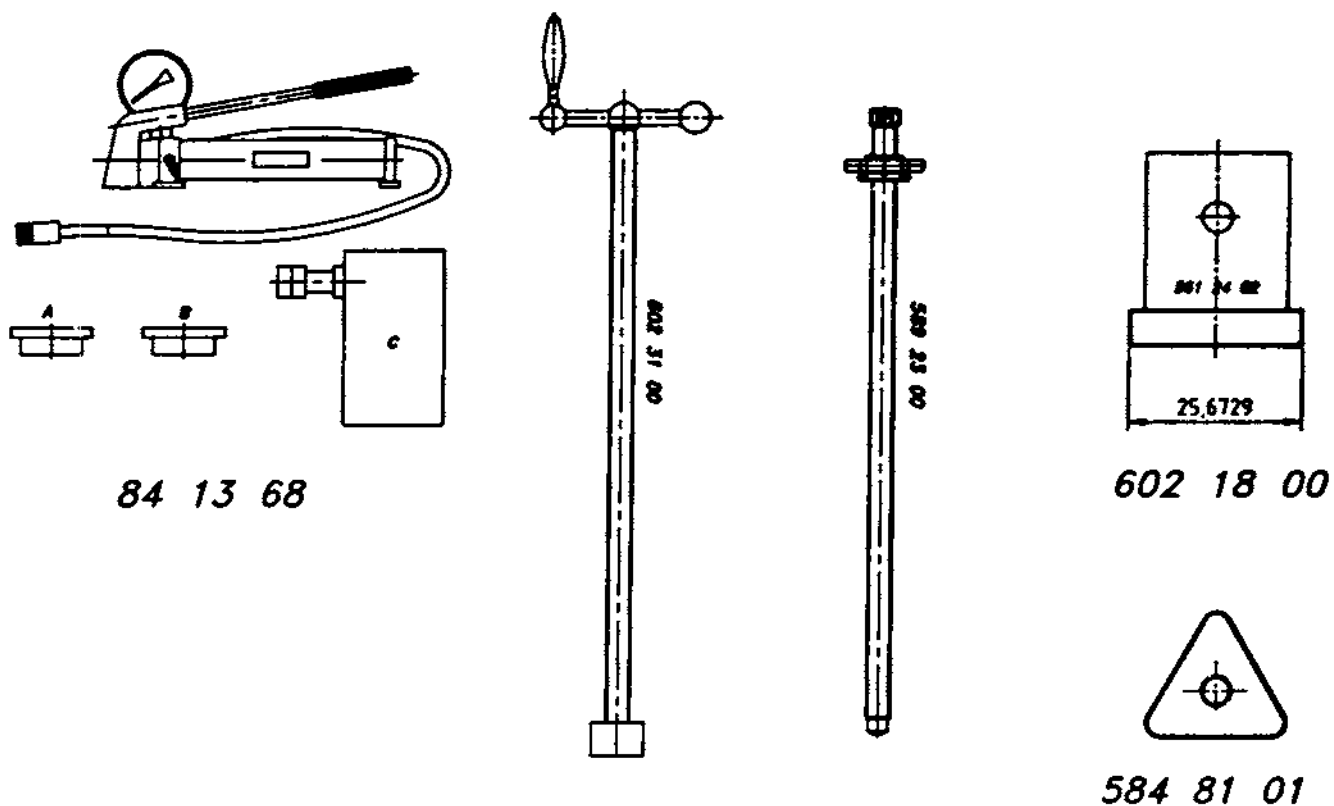


7101 & 7121



3800

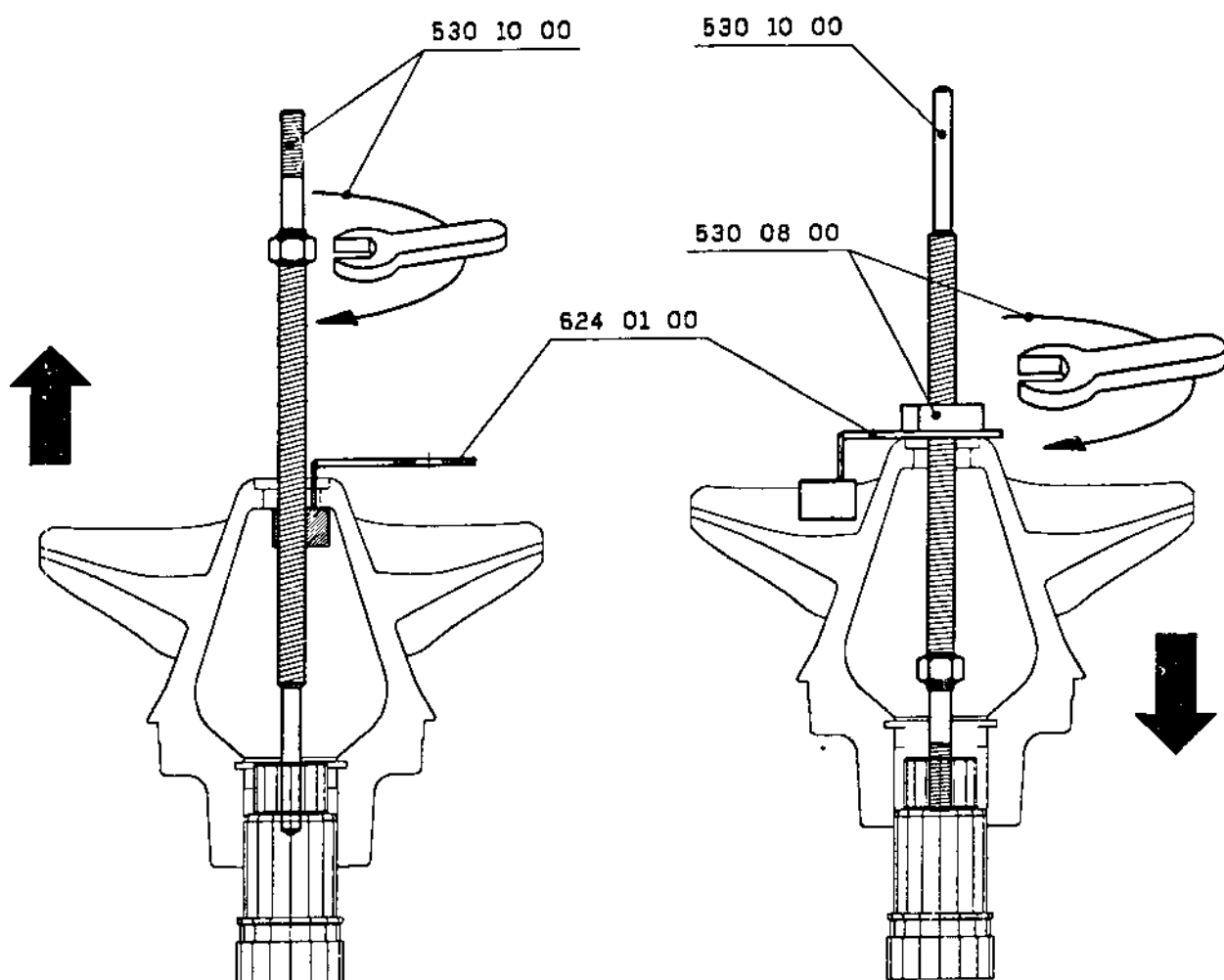
(Impeller hub M170, shaft diam. 110)



19.01 01.95

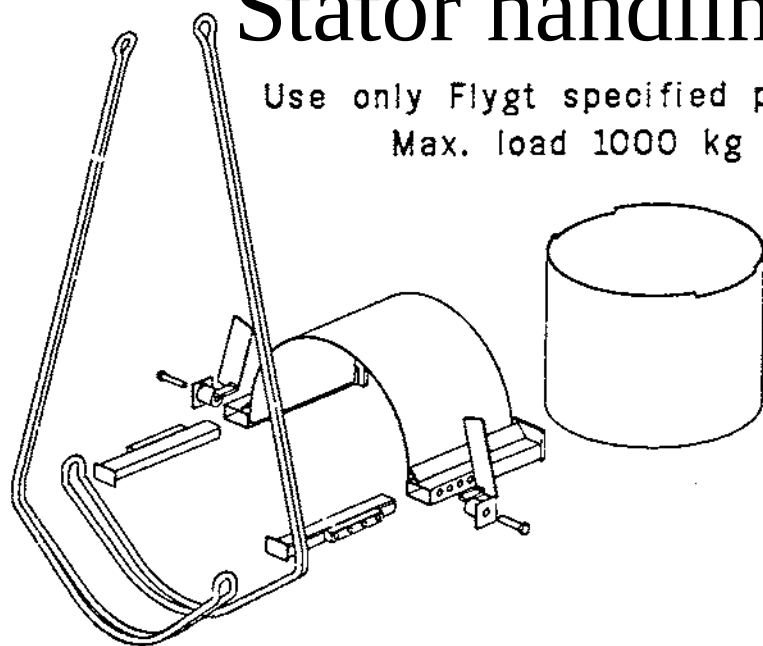
Instruction card No 6021900

7051

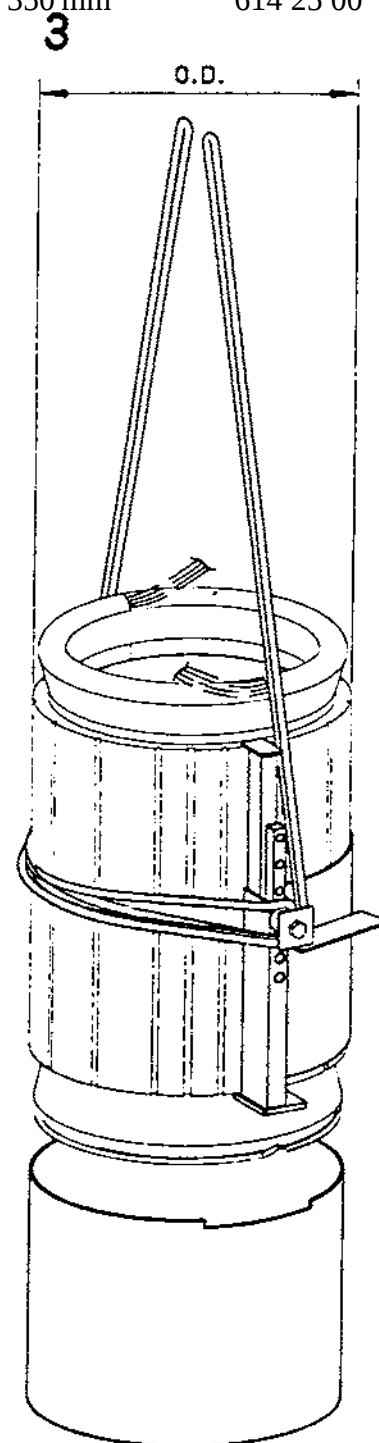
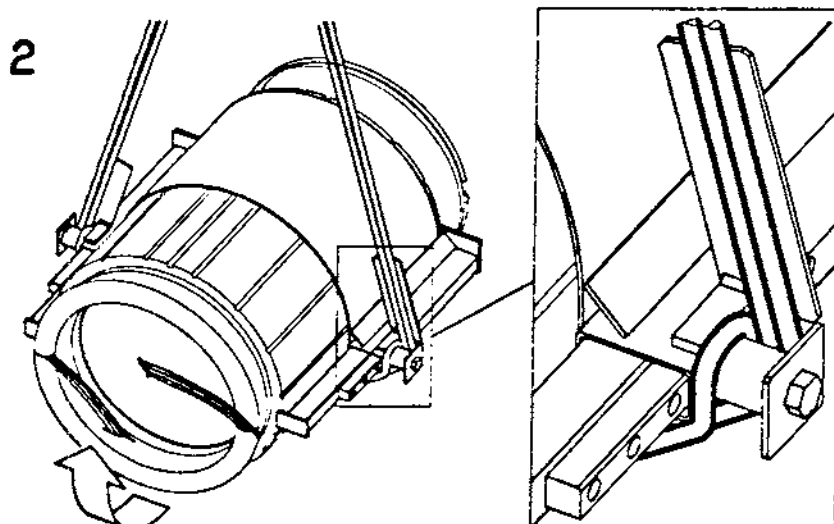
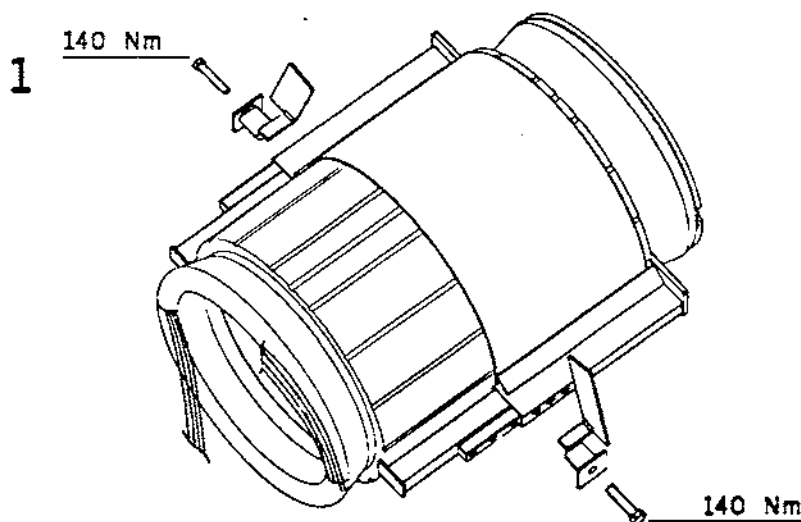


Stator handling kits

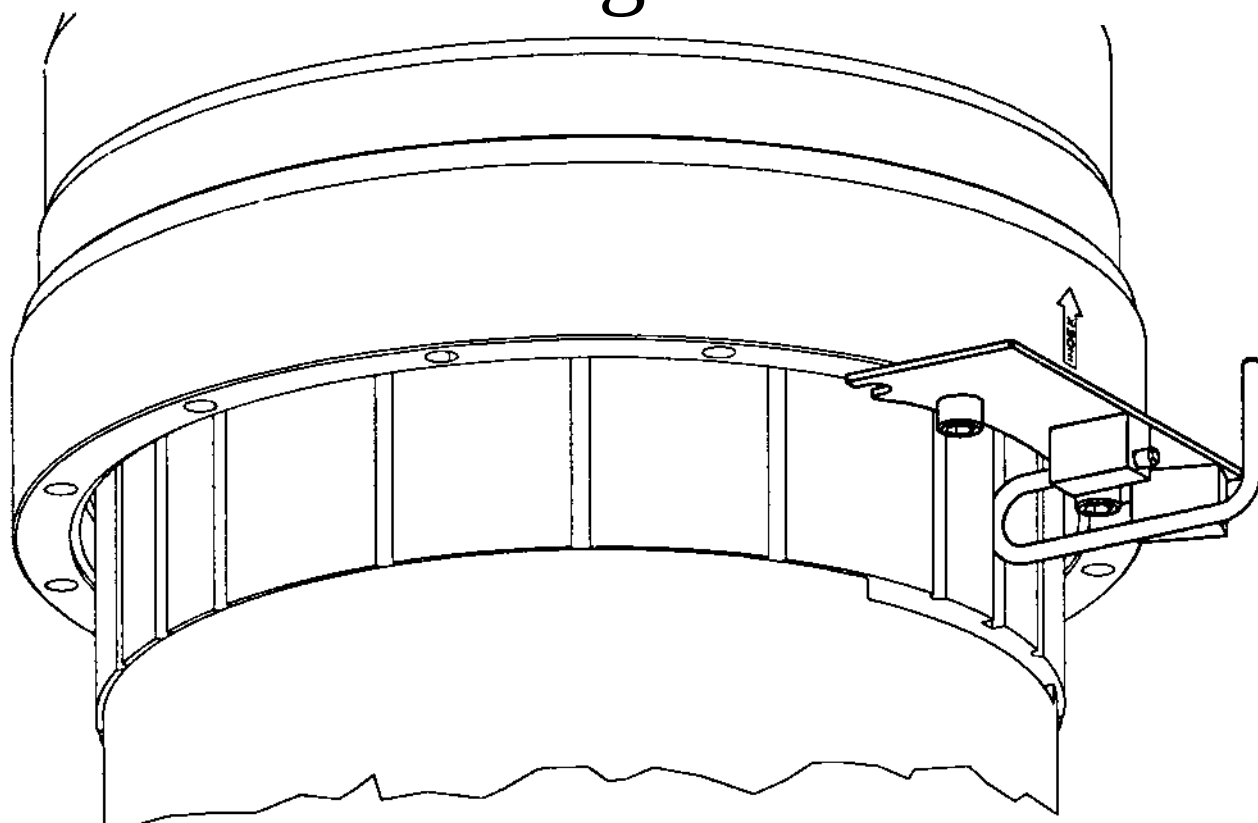
Use only Flygt specified parts!
Max. load 1000 kg



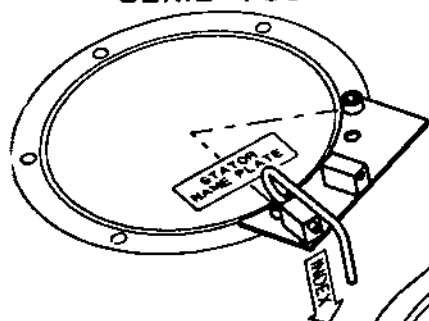
Stator O.D.	Kit
550 mm	582 63 00
540 mm	585 17 00
430 mm	585 18 00
350 mm	614 25 00



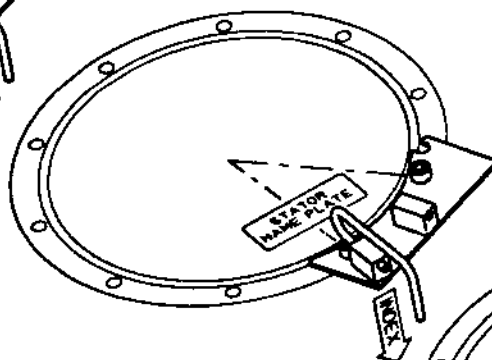
Stator guide kit



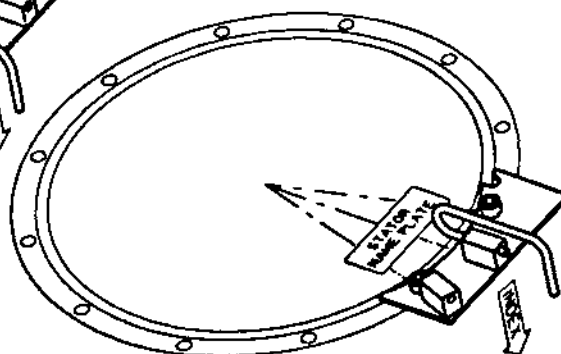
**DRIVE UNIT
SERIE 705**



**DRIVE UNIT
SERIE 805**



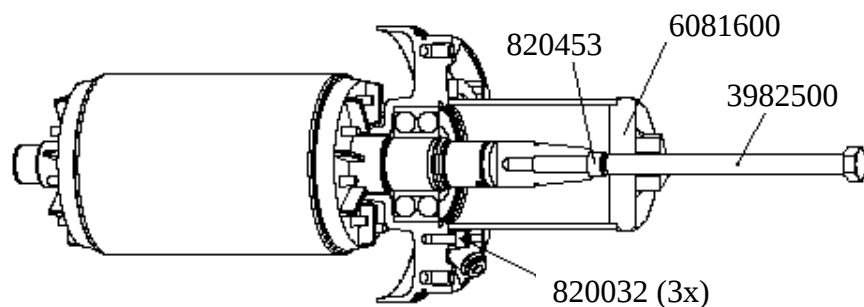
**DRIVE UNIT
SERIE 905**



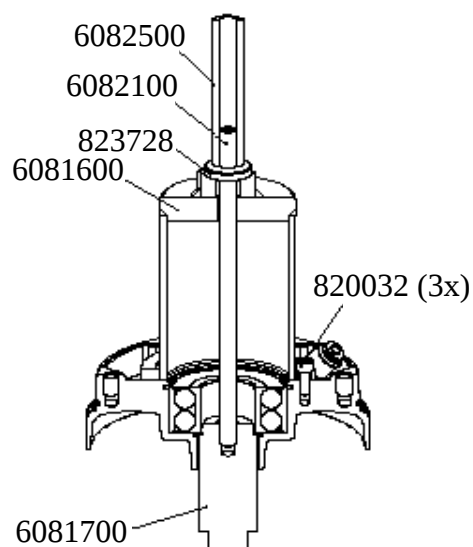
3153.180

Shaft unit & Main bearing mount- and dismount tool part No 6082000

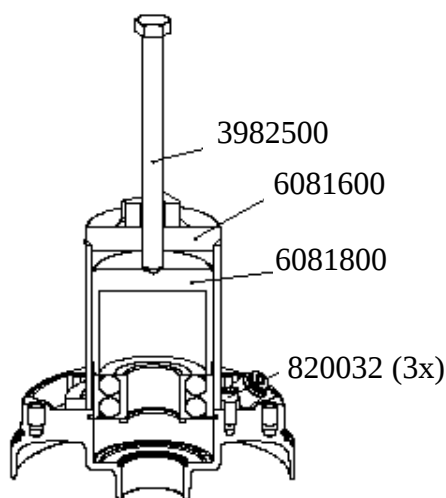
Dismantling of shaft unit



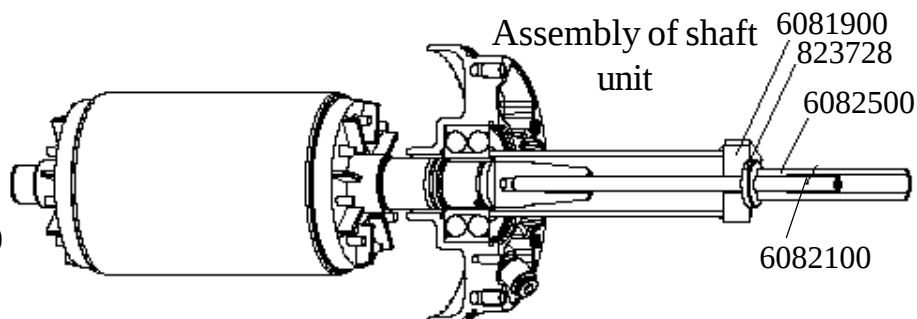
Dismantling of main bearing



Assembly of main bearing

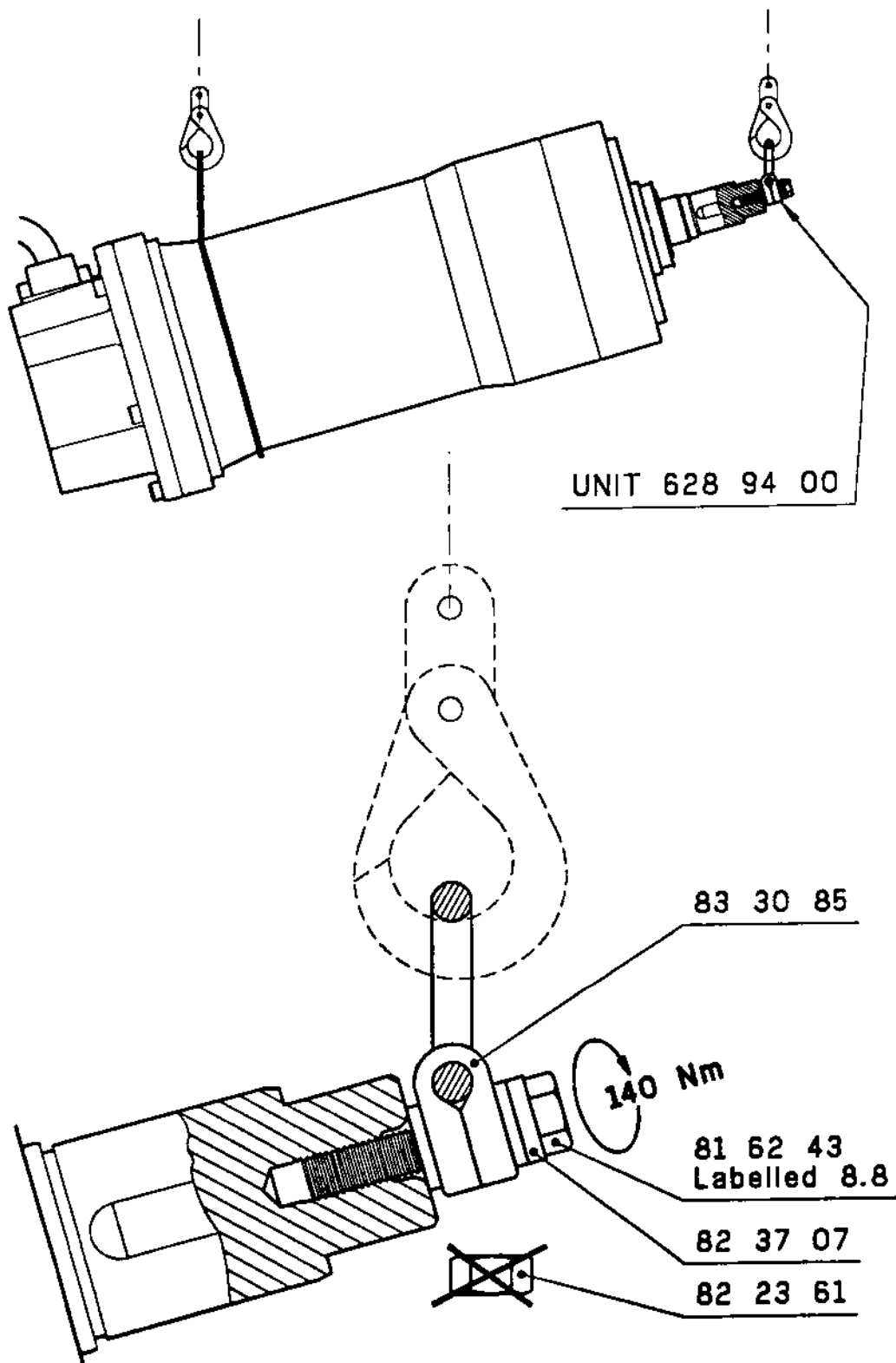


Assembly of shaft unit



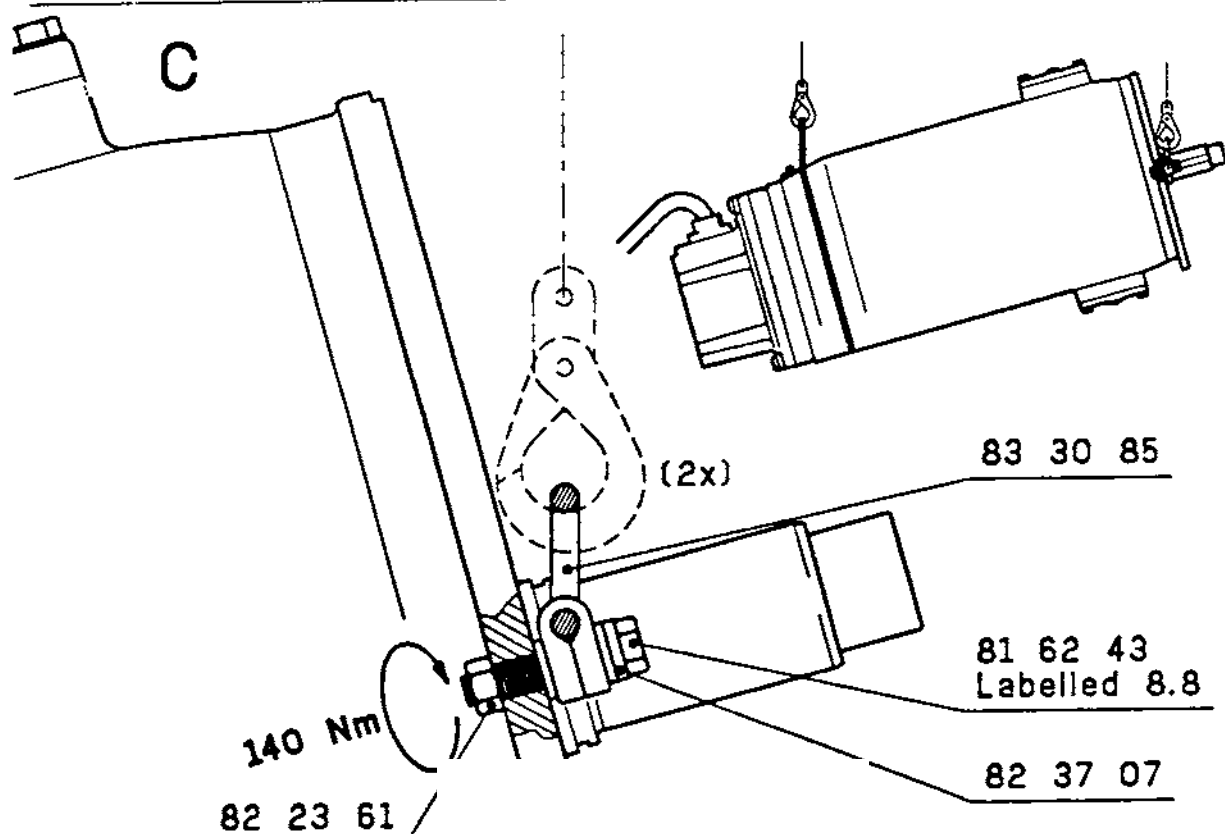
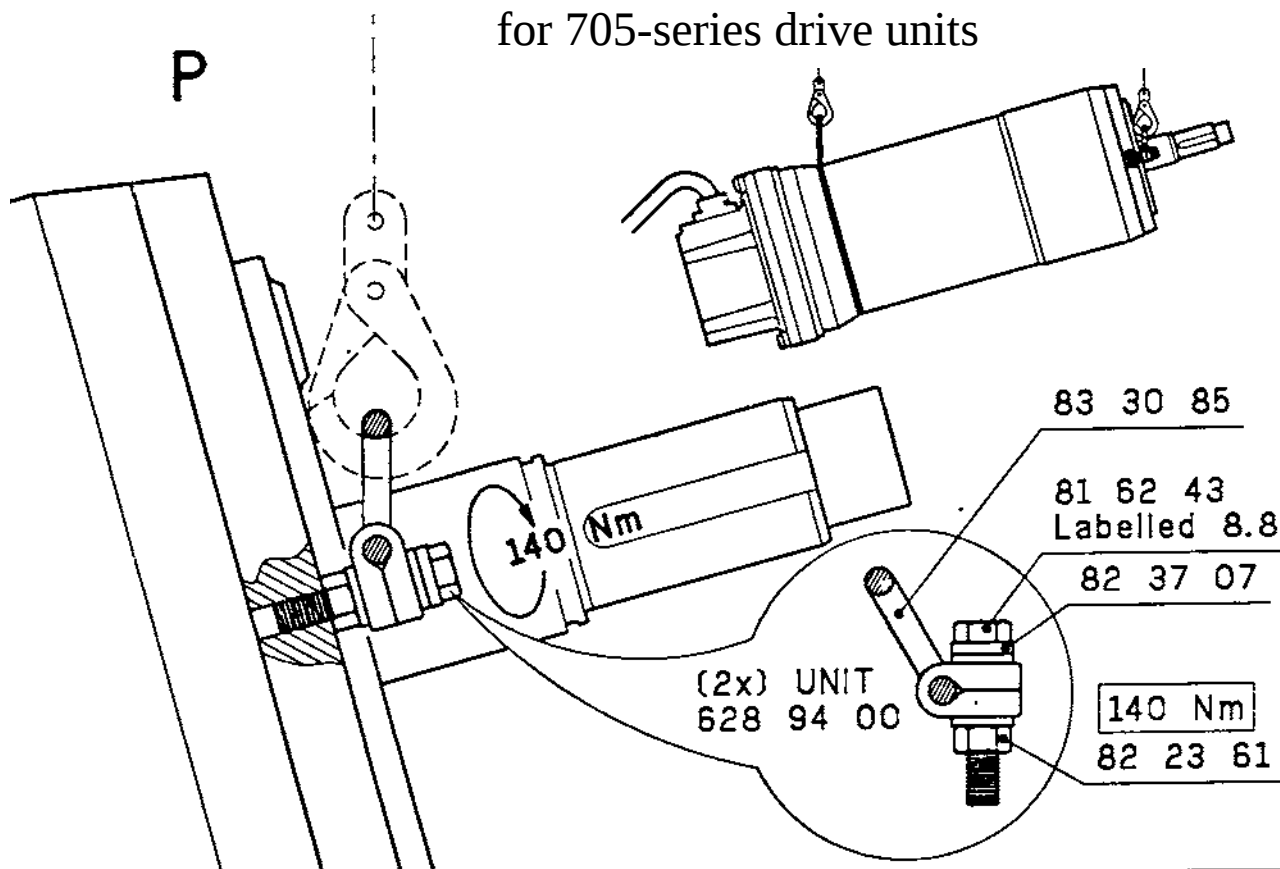
Lifting eye unit

for 605-series drive units



Lifting eye unit

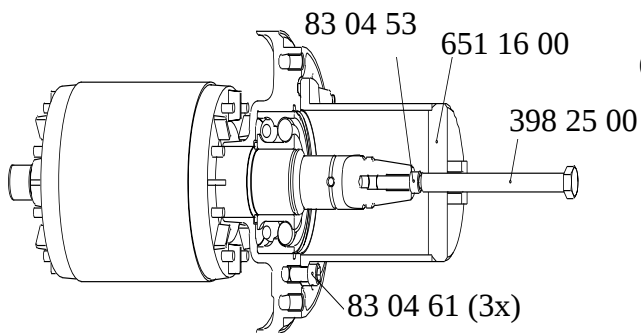
for 705-series drive units



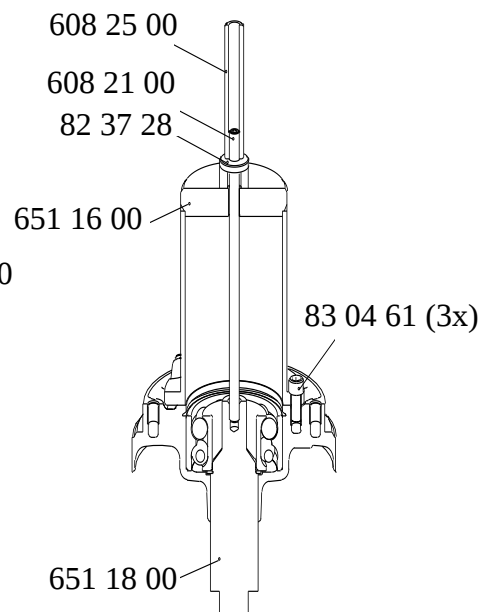
3171.180

Bearing puller Part NO 651 19 00

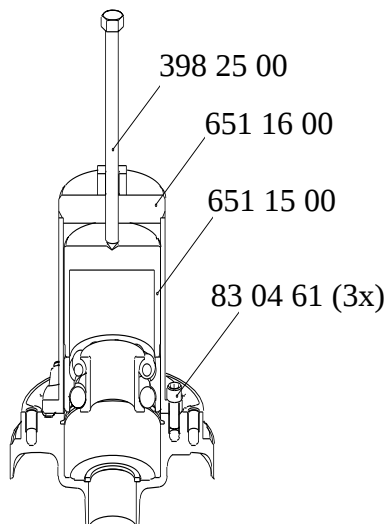
Dismantling of shaft unit



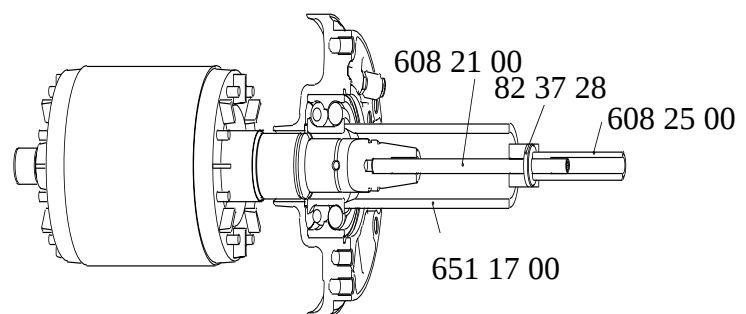
Dismantling of main bearing



Assembly of main bearing

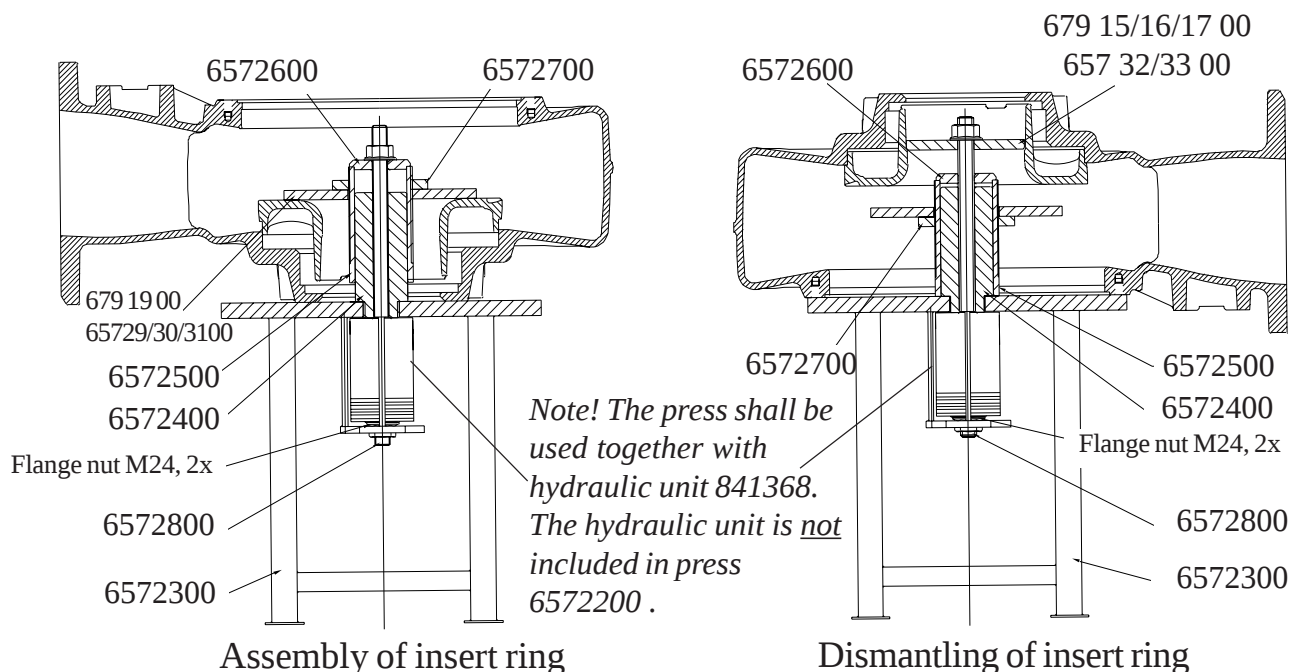


Assembly of shaft unit



3102, 3127, 3152, 3170, 3202 & 3300

Press 657 22 00 - for insert ring N-impeller



Pump	Insert ring	Insert ring	Ring	Mount	Dismount
3102 LT	608 93 00	-	-	657 31 00	657 33 00
3102 MT	606 70 00	-	-	657 31 00	679 21 00
3127 HT	655 98 00	-	-	657 30 00	679 20 00
3127 LT	664 74 00	-	-	657 31 00	657 33 00
3127 MT	664 75 00	-	-	657 30 00	657 33 00
3127 NL	664 74 00	-	-	657 31 00	657 33 00
3152 MT	606 54 00	606 54 01	-	657 30 00	657 33 00
	664 73 00	664 73 01	-	657 30 00	657 33 00
3152 MT	-	-	606 52 00	657 31 00	-
3170 MT	606 57 00	606 57 01	-	657 29 00	657 32 00
	664 72 00	664 72 01	-	657 29 00	657 32 00
3170 MT	664 72 00	-	606 96 00	657 30 00	-
3201 MT	606 57 00	606 57 01	-	657 29 00	657 32 00
	664 72 00	664 72 01	-	657 29 00	657 32 00
3201 MT	-	-	606 96 00	657 30 00	-
3300 LT	609 62 00	-	-	679 19 00	679 22 00
3300 MT	609 62 00	-	-	679 19 00	679 22 00

Manual for Service tool lists

How to use the service tool lists in D001

If you have access to Flygt's IDMS computer system, it is recommended that you use the service tool lists in Flygt's Technical information system D001. Here, detailed information is provided about tools for almost all products.

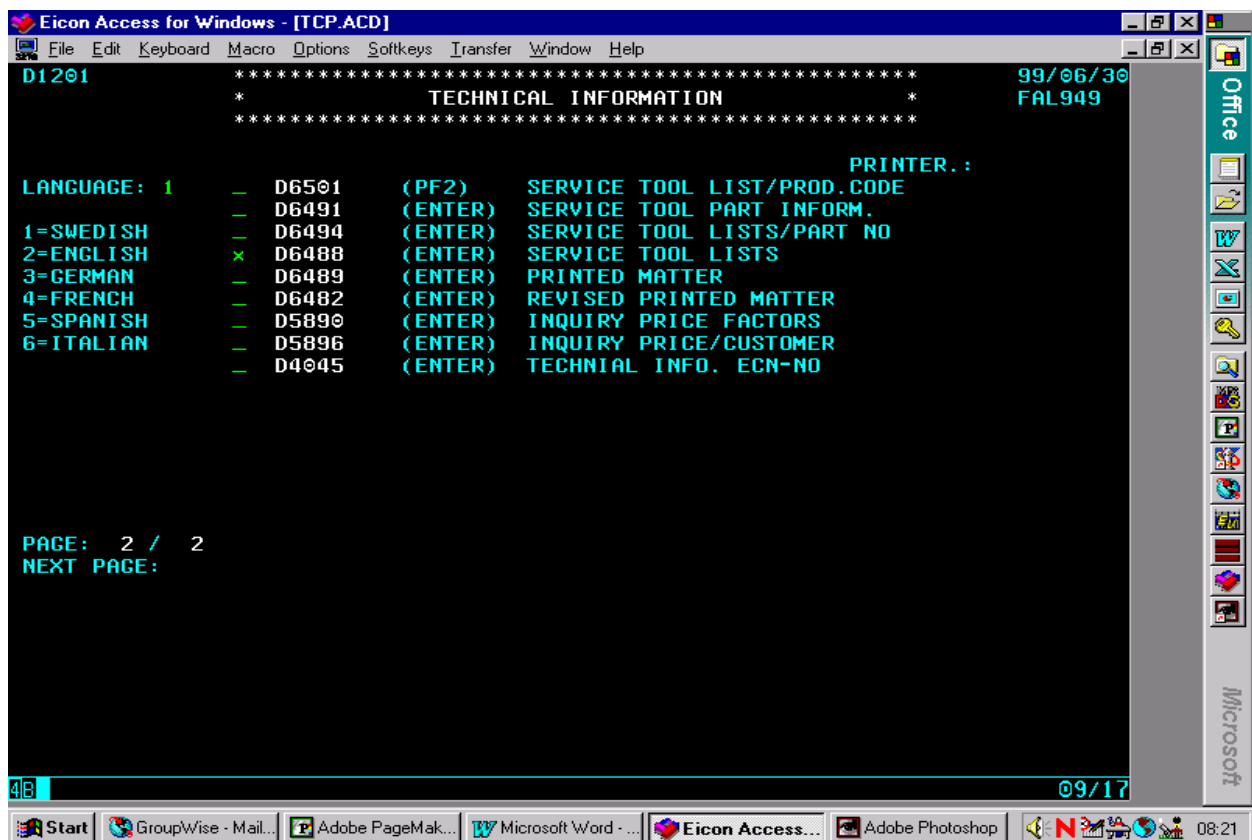
There are four dialogues for the service tool lists - D6501, D6491, D6494 and D6488. This manual starts with D6488, because here you will find the tool list number you need to get more information.

To obtain a better description of the dialogues shown below, choose the required option, followed by F1 (for help).

D6488 Service Tool Lists

This transaction serves as a directory of service tool lists that have already been created. The system displays the service tool list number in ascending order.

Put a figure or letter in the field next to D6488; press Enter.



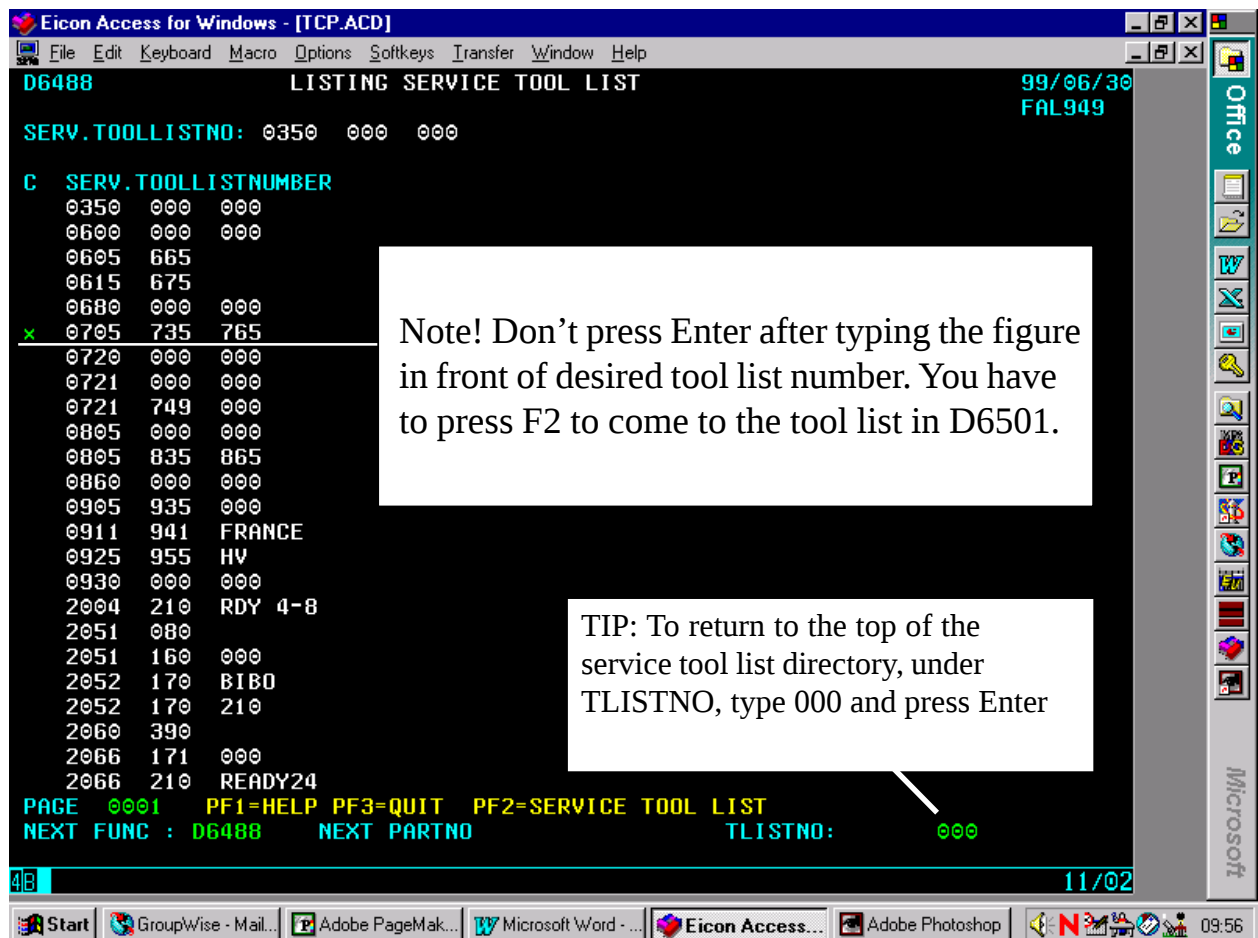
To perform the transaction, follow these steps:

1. Place the cursor before the desired service tool list number (under C).
2. Type any letter. **Do not press Enter.**
3. Instead, press F2 to take you to your desired destination (simultaneously, the dialogue has been changed to D6501).

Manual for Service tool lists

The list starts with 0350. Toggle between F8 (forwards) and F7 (backwards) to run through the listing. Press F3 to go back to the main menu.

The tool list numbers also display the products the list is valid for. For example, 2052 170 210 is valid for 2052.170 up to and included 2052.210.



Example

Select 0705, then press F2 to go into D6501.

The first page of the tool list for drive units, 705, 735 and 765 appears. This list consists of 34 tools (as shown in the top right-hand corner of the screen). Again, utilise the F8 and F7 functions to scroll down and up.

Details of a particular tool is furnished in two rows. In 823093, the lifting eye bolt is 1200kgs with (2x) stator HSG and rotor when shaft=70, 80.

Manual for Service tool lists

Eicon Access for Windows - [TCP.ACD]

File Edit Keyboard Macro Options Softkeys Transfer Window Help

D6501 SERVICE TOOL LIST

PRINTER: FCB: FORMS: FAL949

SERV.TOOLLISTNO: 705 735 765 DATE: 951123 NO. OF TOOLS: 34

DESIGNER: VIR. CAPACITY TOT NET PRICE SEK: 0.00

ARTICLE	DENOMINATION	APPLICATION	NET-PRICE(SEK)
823092	LIFTING EYE BOLT	700KGS.	0.00
823093	LIFTING EYE BOLT	(2X) INNER BEARING HSG.	0.00
823094	LIFTING EYE BOLT	(2X) STATOR HSG., ROTOR WHEN SHAFT=70,80	0.00
840803	CIRCLIP PLIER	SCA 40-100MM	0.00
841016	RATCHET HANDLE	OUTER SEAL WHEN SHAFT=70MM (CP/CT)	0.00
841149	COMBINATION WRENCH	1/2" DRIVE	0.00
841301	HEXAGON BIT ADAPTOR	SOCKETS	0.00
841304	HEXAGON BIT ADAPTOR	N=16MM	0.00
841305	HEXAGON BIT ADAPTOR	LIFT EYE SUPPORT, GROUND CHECK	0.00
841306	HEXAGON BIT ADAPTOR	N=14MM	0.00
841307	HEXAGON BIT ADAPTOR	STATOR HSG. BOTTOM, JUNCTION BOX COVER	0.00
841309	HEXAGON BIT ADAPTOR	N=6MM	0.00
		STATOR CONN., EARTHING CONNECTION	0.00
		N=8MM	0.00
		INSPECTION COVER, MOTOR CABLE CONN.	0.00
		N=10MM	0.00
		BEARING COVER, CABLE ENTRY	0.00
		N=17MM	0.00
		INNER BEARING HSG., LIFT EYE ON SIDE	0.00
		N=19MM	0.00
		LIFT EYE ON TOP	0.00

PAGE 0001 PF1=HELP PF3=QUIT PF10=PRINTING PF11=TOTAL PRINT

NEXT FUNC : D6501 NEXT PARTNO TLISTNO: 705 735 765

4B 30/08

Start GroupWise ... Adobe Page... Microsoft W... Eicon Ac... Adobe Phot... 10:12

To check more tool list numbers, key the intended number under TLISTNO, thence, Enter.

If you do not know the number, input D6488 at NEXT FUNC and Enter which brings you back to the directory.

D6501 Service Tool List/Prod. Code

D6501 shows, in greater depth, data of service tools for a given product.

The system displays:

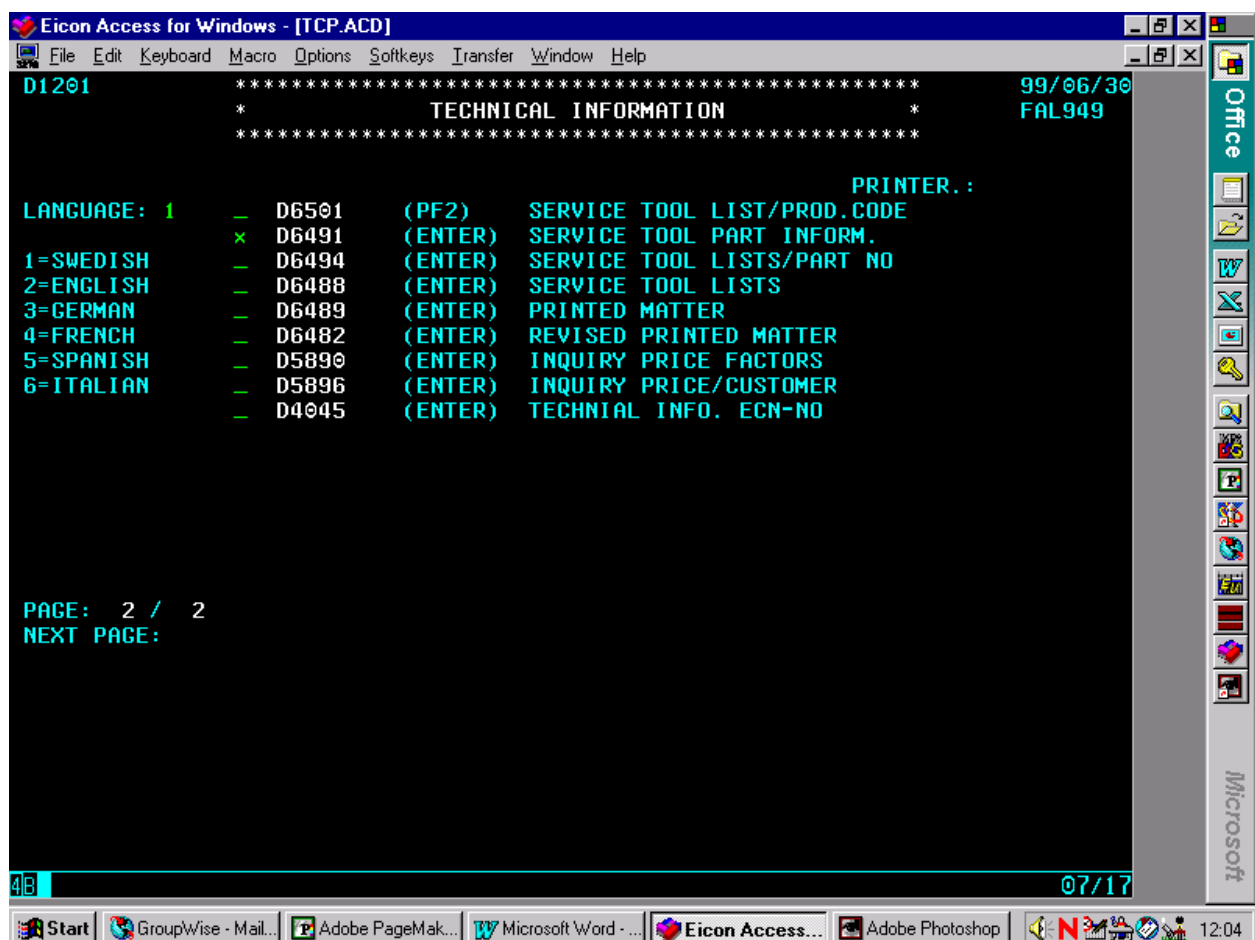
1. the entered service tool list number;
2. the date when the tool list was created;
3. the total number of tools in the list;
4. the designer's signature;
5. the total net price of all tools in the list in SEK
6. the part number of each tool;
7. the denomination of each tool;
8. the capacity of each tool;
9. the net price (in SEK) of each tool;
10. the application of each tool in the equipment.

Manual for Service tool lists

Entering a new dialogue number at NEXT FUNC (located at the bottom) can take you to related service tool dialogue boxes.

For more specific information on an individual tool from the list, print in NEXT FUNC D6491 as well as the article number of the tool in question at the NEXT PARTNO field.

You can also enter the dialogue from the Meny, see below.



Manual for Service tool lists

The screenshot shows a Windows application window titled "Eicon Access for Windows - [TCP.ACD]". The menu bar includes File, Edit, Keyboard, Macro, Options, Softkeys, Transfer, Window, and Help. The main display area shows the following information:

D6491 SERVICE TOOL PART INFORMATION 99/10/15 FAL949

PART NUMBER		DENOMINATION		PRINCIPAL APPLICATION	
823093		LIFTING EYE BOLT		LIFT GRIP	
TYPE HOLD PART MTRL.					
PART CODE CLASS CODE		STANDARD		DOCUMENT CODES	
GRP	R 2401 17	DIN 580	10 20		

DIMENSION		CAPACITY		SUPPL. DESCRIPTION	
M20 MOD. T		1200KGS.			
FAC	LAC	LSP	SPARE	PART CODE	PRICE GROUP
19774	99999	99999	R3	1 : 40	
NET-PRICE				PRICE CODE	
28.00				9957	
STATUS 0		STATUS +1		ECONOMIC STAT.KOD	
28.00		28.00		9299	
				ORIGIN	
				DE	

PF1=HELP PF3=QUIT

NEXT FUNC : D6491 NEXT PARTNO 823093 TLISTNO

D6491 Service Tool Part Information

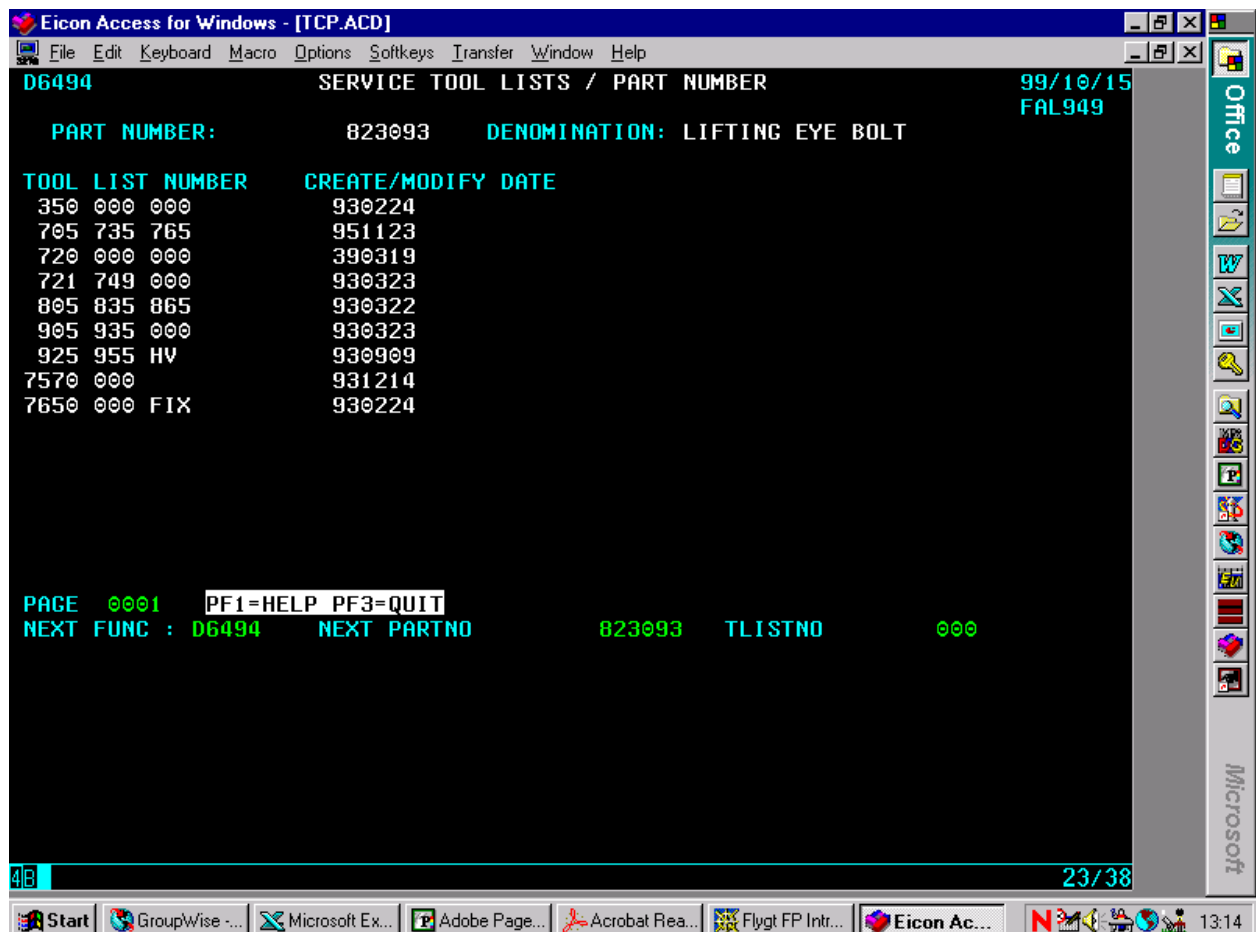
Here, comprehensive data of a particular tool can be found. To do so, type the part number you want after NEXT PARTNO and press Enter.

The system will display:

1. the chosen article number;
2. the tool's description;
3. the tool's principal application;
4. the type of part;
5. the hold code;
6. the part class;
7. the material code (where applicable);
8. the standard (where applicable);
9. the document codes, for example, 10 = tool catalogue;
10. the dimension, for example, the tool's physical dimension;
11. the capacity;
12. the supplier's description (when permissible);
13. the FAC;
14. the LAC;
15. the LSP;
16. the spare part code, for example, R4;
17. the price group (in relation to M055), for example, 57,10;
18. the net price of the tool (in SEK);
19. the price code (updated version); Note! N.A.
20. status 0, that is, this year's list price;
21. status +, that is, next year's list price;
22. the economic statistics code;
23. the tool's origin.

Manual for Service tool lists

Again, by inputting a new dialogue number in NEXT FUNC, you can jump to other related service tool dialogues. Type D6494 and press Enter.



D6494 Service Tool Lists/Part No

This tells you which service tool lists/products shows/uses a specific tool number.

Type the required part number in NEXT PARTNO, followed by Enter. You will be shown:

1. the requested tool number;
2. its description;
3. the tool list number that this tool can be found;
4. the date this tool list was created or modified.

Entering a new dialogue number in NEXT FUNC will bring you to other service tool dialogue links.

Index

Symbols

2166800 23	84 08 10 9	84 12 65 5
2166801 23	84 08 11 9	84 12 66 5
3-kanthylsnyckel 5	84 08 19 9	84 12 69 5
3171.180 106	84 08 20 9	84 12 70 5
3329100 23	84 08 21 9	84 12 75 5
3946900 27	84 08 22 9	84 12 76 5
3947000 27	84 08 27 9	84 12 77 5
3957000 25	84 08 28 9	84 12 78 5
3957700 22	84 08 29 9	84 12 79 5
3972000 27	84 09 71 12	84 13 01 6
3972001 27	84 09 73 12	84 13 03 6
3972002 27	84 09 74 12	84 13 04 6
3972003 27	84 09 75 12	84 13 05 6
4002500 27	84 09 76 12	84 13 06 6
4003000 27	84 09 77 12	84 13 07 6
4004600 27	84 09 78 12	84 13 09 6
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4623000 21	84 09 80 12	84 13 55 11
5878300 27	84 09 81 12	84 13 69 12
5878301 27	84 09 82 12	84 13 73 12
5878302 27	84 09 83 12	84 13 74 12
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82 30 69 14	84 10 02 10	84 13 76 12
82 30 89 14	84 10 03 10	84 13 78 12
82 30 90 14	84 10 05 10	84 13 79 12
82 30 91 14	84 10 06 10	84 13 80 12
82 30 92 14	84 10 07 10	84 13 81 11
82 30 93 14	84 10 08 10	84 13 82 12
82 30 94 14	84 10 11 11	84 13 83 12
82 30 95 14	84 10 12 11	84 14 76 6
82 91 00 14	84 10 13 11	84 14 77 6
82 91 01 14	84 10 14 11	84 14 78 6
82 91 02 14	84 10 15 11	84 14 79 6
82 91 03 14	84 10 16 6	84 14 80 6
82 91 04 14	84 10 23 8	84 14 81 6
82 92 00 14	84 10 25 8	84 14 92 14
83 51 60 19	84 10 26 8	84 15 03 8
83 51 61 19	84 10 27 8	84 15 04 8
83 51 62 19	84 10 28 8	84 15 05 8
83 51 63 19	84 10 29 8	84 15 06 8
83 51 64 19	84 10 30 8	84 15 08 8
83 51 65 19	84 10 32 8	84 15 09 8
83 51 66 19	84 10 35 8	84 15 10 8
83 70 83 17	84 10 36 8	84 15 11 8
83 70 84 18	84 10 37 8	84 15 12 8
83 73 98 19	84 10 38 8	84 15 13 8
83 95 42 15	84 10 39 8	84 15 14 8
84 07 90 15	84 12 26 5	84 15 17 8
84 08 01 9	84 12 27 5	84 15 18 8
84 08 02 9	84 12 28 5	84 15 30 10
84 08 03 9	84 12 29 5	84 15 45 16
84 08 04 9	84 12 30 5	84 15 60 7
84 08 08 9	84 12 31 5	84 15 61 7
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	84 12 64 5	84 20 16 15

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 84 20 30 6
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 84 50 08 20
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 841445 25
 842020 26
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 842050 26
 842051 26
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 Arrache ressort 23
 Arrache stator 27
 Avdragare 24
 Avdragarhylsa 26
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 Avlastningsbord 22

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 Bearing mounting set 16

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 Câble de levage 14
 Cartridge gun 10
 Chauffage à induction 16
 Circlip pliers 9
 Circular diestock 11
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