



“La scelta ideale per il vostro plurimandrino”

L'azienda viene fondata nel 1972 come “Turlo&Delvecchio Srl” in Borgosesia (VC) e nel giro di pochi anni si specializza nella produzione di apparecchiature e di pezzi di ricambio per torni automatici. Dopo essersi trasferita nella sua attuale sede, nel 2019 l'azienda acquisisce la società “Dienne Sas”, specializzata nella revisione e manutenzione di torni automatici, la cui opera viene proseguita dalla Dienne-Turlo Srl, nuova azienda del gruppo, sia nella sede di Varallo (VC), sia nella nuova sede di Filago (BG)

Oggi, rappresentiamo la miglior scelta per il supporto tecnico ai plurimandrini delle migliori marche mondiali: Gildemeister, Tornos, Wickman, Schutte, etc. La gamma di prodotti e servizi che siamo in grado di offrire è tra le più ampie del mercato: fornitura di ricambi standard o personalizzabili, apparecchiature per le lavorazioni meccaniche, pinze, camme, interventi di manutenzione on site e diversi livelli di revisione macchina, che eseguiamo presso le nostre sedi.

The company was founded in 1972 as “Turlo&Delvecchio Srl” in Borgosesia (VC) and within a few years it specialized in the production of equipments and spare parts for automatic lathes. After having moved to its current location, in 2019 the company acquired the company “Dienne Sas”, specialized in the revision and maintenance of automatic lathes; the business of “Dienne Sas” is continued by Dienne-Turlo Srl, a new company of the group, in both the headquarters at Varallo (VC) and in the new premises in Filago (BG)

Today, we are the best choice for the technical support to multi-spindles lathes manufactured by the most famous brands in the world: Gildemeister, Tornos, Wickman, Schutte, etc. The range of products and services we can offer is among the widest in the market: supply of standard or customizable spare parts, mechanical processing equipment, collets, cams, on-site maintenance and different levels of machine overhaul, which we carry out at our premises.



“Produzione interna sinonimo di know-how, qualità e flessibilità”

La produzione interna all'azienda ci ha permesso di distinguerci dalla concorrenza a livello di sviluppo tecnologico, qualitativo e di flessibilità produttiva, offrendo soluzioni standard o personalizzate e tempi di consegna contenuti. Possiamo contare, infatti, su un fornito magazzino di materie prime, un reparto di tornitura, uno di fresatura e uno di rettifica, con un parco macchine all'avanguardia e personale altamente qualificato.

Abbiamo posto particolare attenzione sulla qualità del prodotto, garantita da continue verifiche nel corso della produzione e da un laboratorio che esegue i controlli finali su ogni singolo lotto, analizzando il rispetto delle tolleranze e la bontà dei trattamenti termici.

I nostri prodotti sono disponibili per i nostri clienti nei magazzini di Varallo Sesia (VC) e di Filago (BG)

The production inside the company has allowed us to distinguish between competition in terms of technological development, quality and production flexibility, offering standard or customized solutions and low delivery times. In fact, we can count on a well stocked warehouse of raw materials, turning, milling and grinding departments, with a cutting-edge machinery and highly qualified personnel.

We pay particular attention to the quality of the products, guaranteed by continuous checks during the production and by a laboratory that performs final checks on each individual batch, analyzing the respect of tolerances and the goodness of thermal treatments.

Our products are available for our customers in the warehouses at Varallo Sesia (VC) and at Filago (BG)

RICAMBI MACCHINA Machine parts

4900000	Assieme generale <i>General assembly</i>	
	Tiranti per avanzamento barra <i>Feed tubes</i>	
	Tiranti apertura - chiusura pinza <i>Collet tubes</i>	
4951037	Tamburo portamandrini <i>Spindle drum</i>	
4902009	Supporto apertura – chiusura pinza <i>Collet open – close support</i>	
4902021	Comando apertura – chiusura pinza <i>Collet open – close control</i>	
4904003	Croce di Malta <i>Maltese cross</i>	
4905003	Bloccaggio tamburo HIRT <i>Drum clamping HIRT</i>	
4905001	Cilindro sbloccaggio tamburo <i>Drum deblocking cylinder</i>	
49050016	Anelli dentati <i>Toothed ring</i>	
5306016	Alberi portacamme sinistri <i>Left cam holder shafts</i>	
4907026	Slitta radiale pos.1 <i>Pos.1 cross slide</i>	
4907027	Slitta radiale pos.2 <i>Pos.2 cross slide</i>	
4907025	Slitta radiale pos.3 <i>Pos.3 cross slide</i>	
4907020	Slitte radiali pos.4-5 <i>Pos.4-5 cross slides</i>	
4907024	Slitta radiale pos.6 <i>Pos.6 cross slide</i>	
4910037	Sovraccarico HIRT <i>HIRT overload</i>	
4910034	Comando rotazione mandrini frontali <i>Pos.1 toolspindle rotation control</i>	
4911005	Supporto centrale <i>Central block</i>	
4911002	Comando supporto centrale <i>Central block control</i>	
4906011	Alberi portacamme destri <i>Right cam holder shafts</i>	
4922002	Comando assiale mandrino frontale pos.1-5 <i>Pos.1-5 toolspindle axial feeding control</i>	

4922003	Comando assiale mandrino frontale pos.2-4 <i>Pos.2-4 toolspindle axial feeding control</i>	
4922004	Comando assiale mandrino frontale pos.3 <i>Pos.3 toolspindle axial feeding control</i>	
4922005	Comando assiale mandrino frontale pos.6 <i>Pos.6 toolspindle axial feeding control</i>	
4922006	Biella <i>Rod</i>	
4912016	Comando fermo barra <i>Bar stop control</i>	
4912009	Comando fermo barra con esclusione <i>Bar stop control with exclusion</i>	
4910023	Comando avanzamenti <i>Feeding control</i>	
4914072	Portabarre <i>Bar carrier</i>	
4951027	Supporto innesto portabarre <i>Support for bar carrier clutch</i>	
4910026	Motore per avanzamenti Siemens <i>Siemens cycle motor</i>	
4904004	Albero portacamme ausiliario <i>Additional cam holder shaft</i>	
4908005	Vite per carri <i>Drive screw for chariots</i>	
4910013	Comando a mano <i>Manual control</i>	
4908006	Vite destra <i>Right screw</i>	
	Pinze <i>Collets</i>	
	Camme <i>Cams</i>	
	Ingranaggi <i>Gears</i>	
	Torrette e portautensili <i>Turret and tool-holder</i>	
	Applicazioni pinza <i>Collet holder</i>	
3723044	Fermo per mandrino frontale <i>Toolspindle stop</i>	
	Albero intermedio per foratura veloce <i>Intermediate shaft for high speed drilling</i>	
	Albero intermedio per pettinatore <i>Intermediate shaft for thread chasing attachment</i>	

APPARECCHIATURE Attachments

	Albero intermedio per poligonatore <i>Intermediate shaft for polygon generatin attach.</i>	
3722022	Biella elastica <i>Rod with elastic compensation</i>	
	Mandrini frontali rotanti <i>Rotating toolspindle</i>	
3723001	Mandrino frontale rotante vecchio modello <i>Old model of rotating toolspindle</i>	
4923023	Mandrino frontale rotante <i>Rotating toolspindle</i>	
4923025	Mandrino frontale rotante con refrig. interna <i>Rotating toolspindle with internal cooling</i>	
G7A/SET-FIL	Sistema di controllo filettatura semplificato <i>Simplified threading system</i>	
06102600	Sistema di controllo filettatura tipo originale Saco <i>Original threading control</i>	
G7K-SW-SPN	Mandrino da ripresa meccanico - idraulico <i>Mechanical-hydraulic pick-up attachment</i>	
G7K-SPN	Mandrino da ripresa idraulico pos.6 <i>Pos.6 hydraulic pick-up attachment</i>	
3758004	Freno per mandrino da ripresa <i>Pos.6 pick-up brake</i>	
4979005	Slitta supplementare per la ripresa pos.6 <i>Pos.6 additional slide for back finishing</i>	
3736007	Testina portamaschio - filiera <i>Sliding tap-holder</i>	
3723004	Gruppo filettatore <i>Threading clutch assembly</i>	
	Slitte assiali <i>Axial slides</i>	
4925013	Comando assiale pos.1 <i>Pos.1 axial slide control</i>	
4925014	Comando assiale pos.2 <i>Pos.2 axial slide control</i>	
4925015	Comando assiale pos.4 <i>Pos.4 axial slide control</i>	
4925016	Comando assiale pos.5 <i>Pos.5 axial slide control</i>	
9555001	Apparecchio brocciatore <i>Broaching attachment</i>	
G7S-G1 G7S-3755001	Fresatore frontale <i>Frontal-milling attachment</i>	
4911002	Comando supporto centrale <i>Central block control</i>	

G3L-G7 **Timbratore radiale**
Cross-marking attachment

5334029 **Calibratore**
Shaving tool-holder

FETTE T18/27 **Rullatore di filetti tangenziale**
Thread rolling attachment

4937002 ***Recessitore rotante***
Rotary recessing attachment

G7D **Apparecchio poligonatore e fresafilletti**
Polygon generating attachment

Albero intermedio per poligonatura
Intermediate shaft for polygon generating attach.

G7J **Apparecchio pettinatore**
Thread chasing attachment

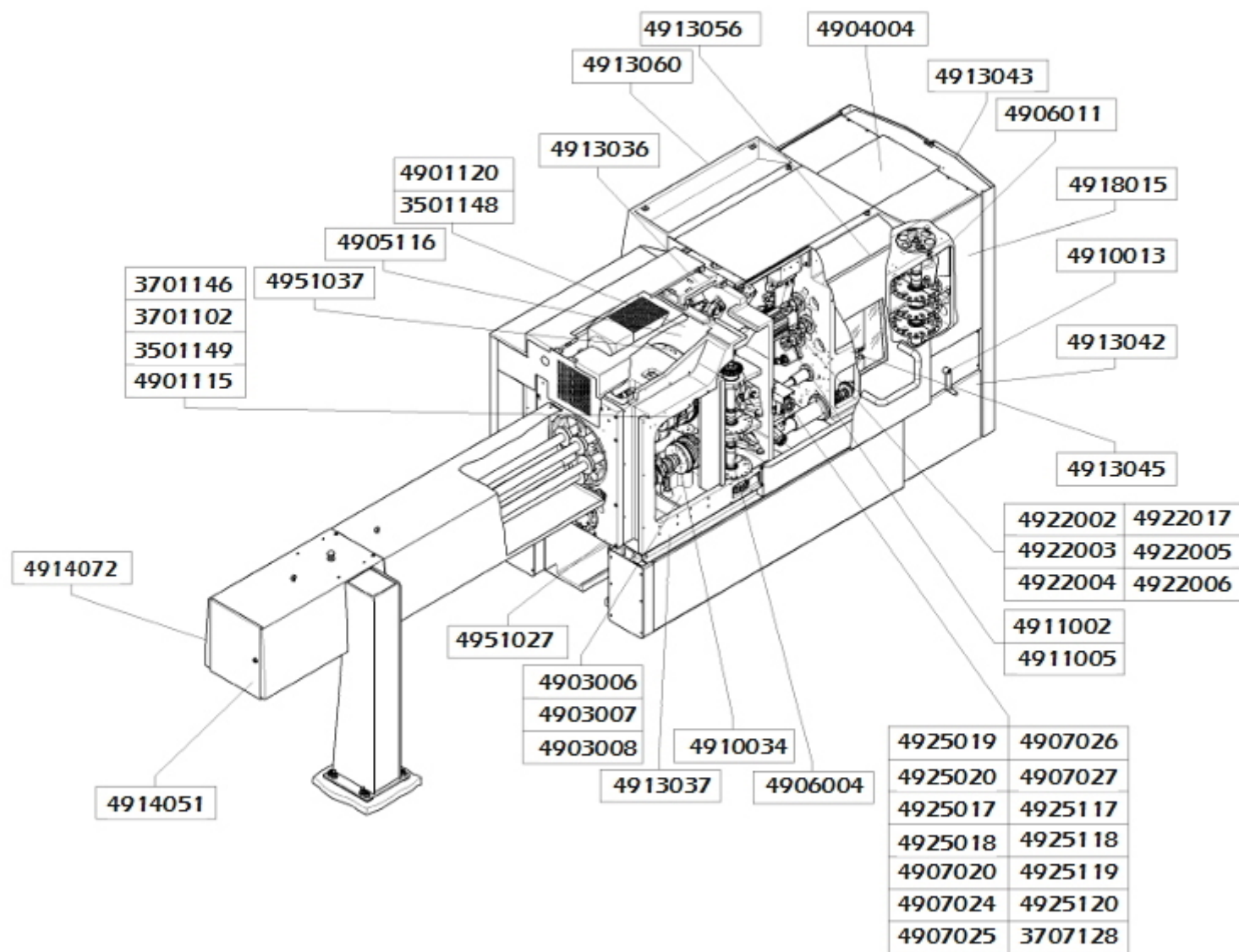
Albero intermedio per filettatura a pettine
Intermediate shaft for thread chasing attachment

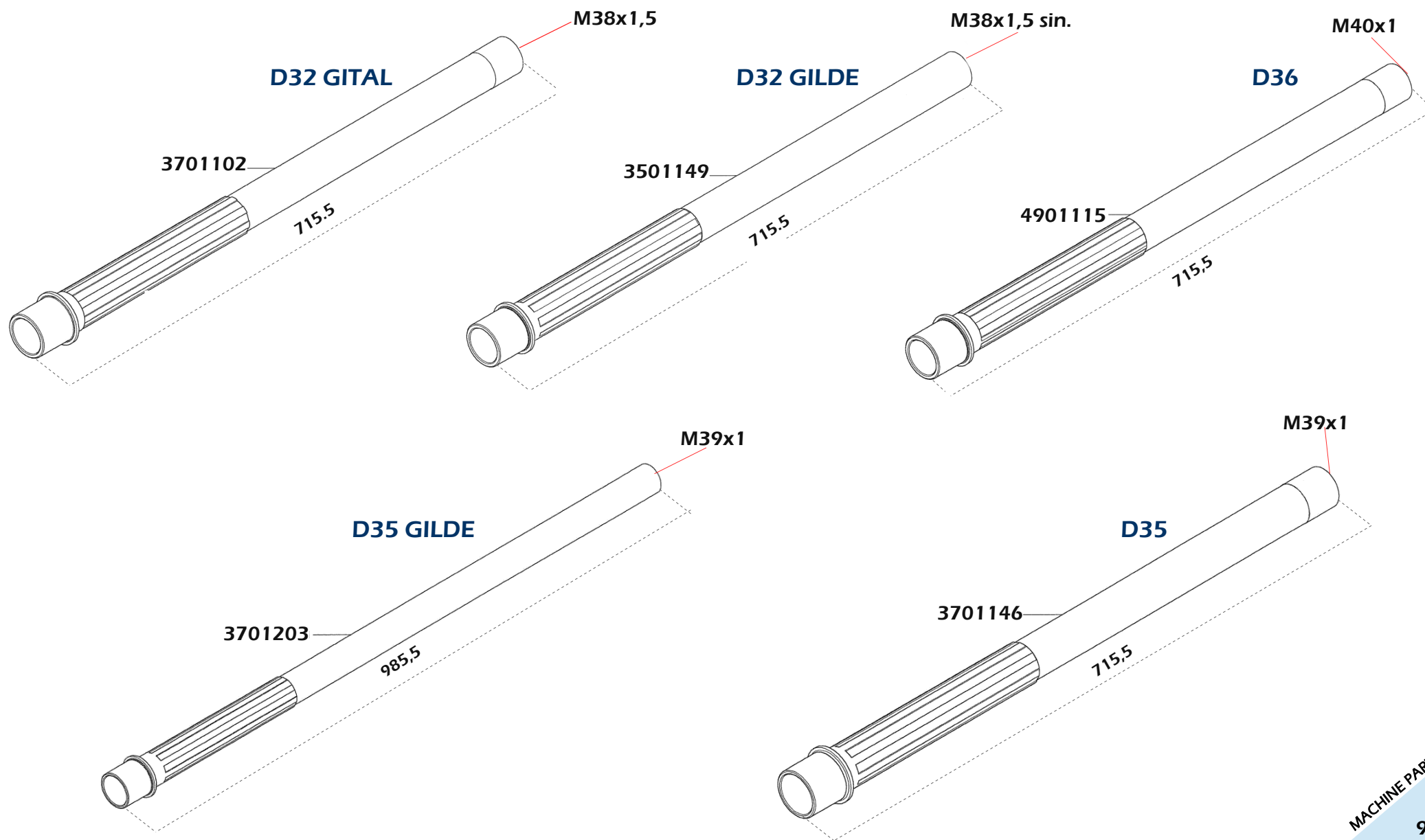
3780006 **Apparecchio foratore multiplo sincronizzato**
Syncro frontal multi-drilling attachment

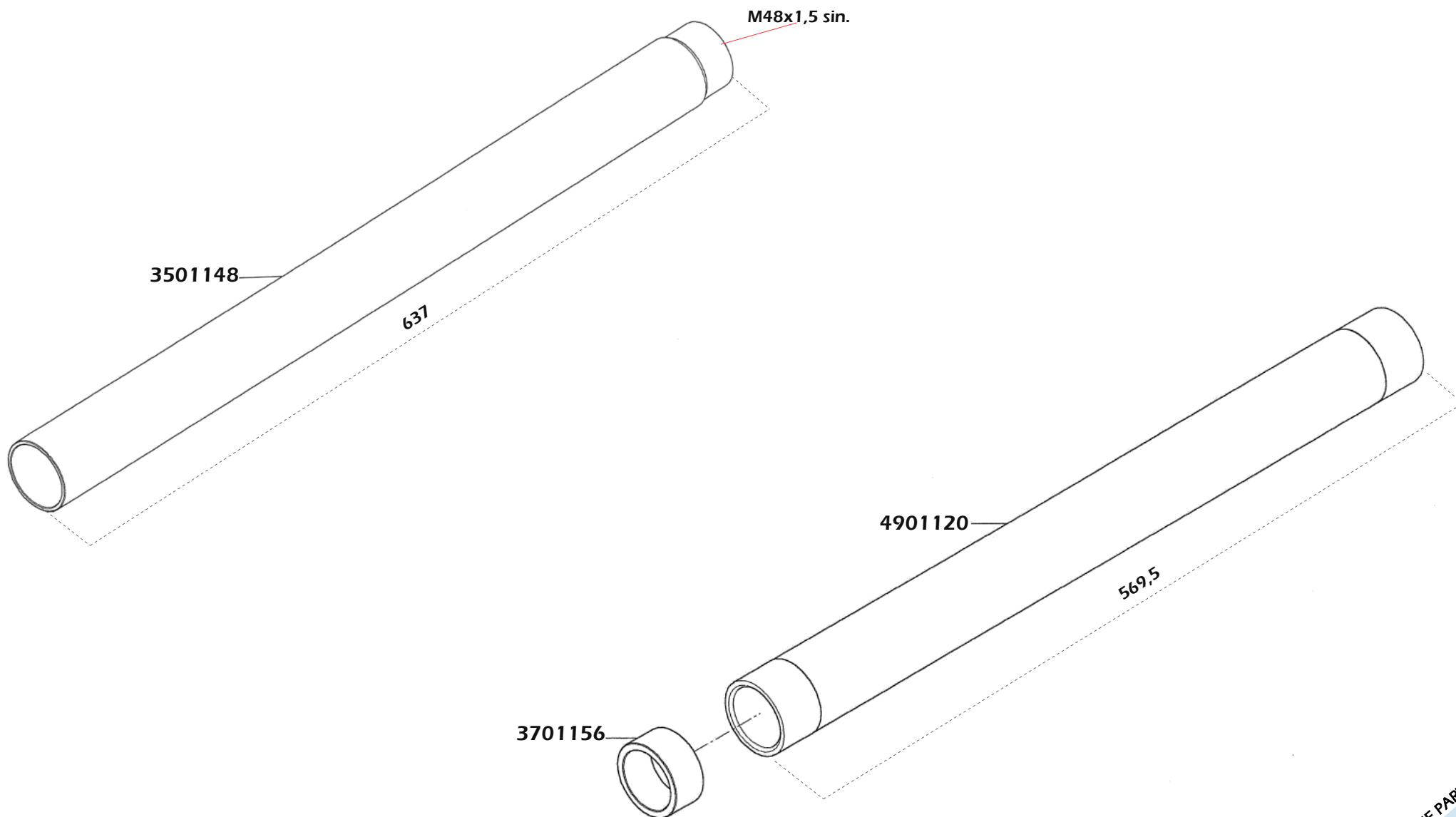


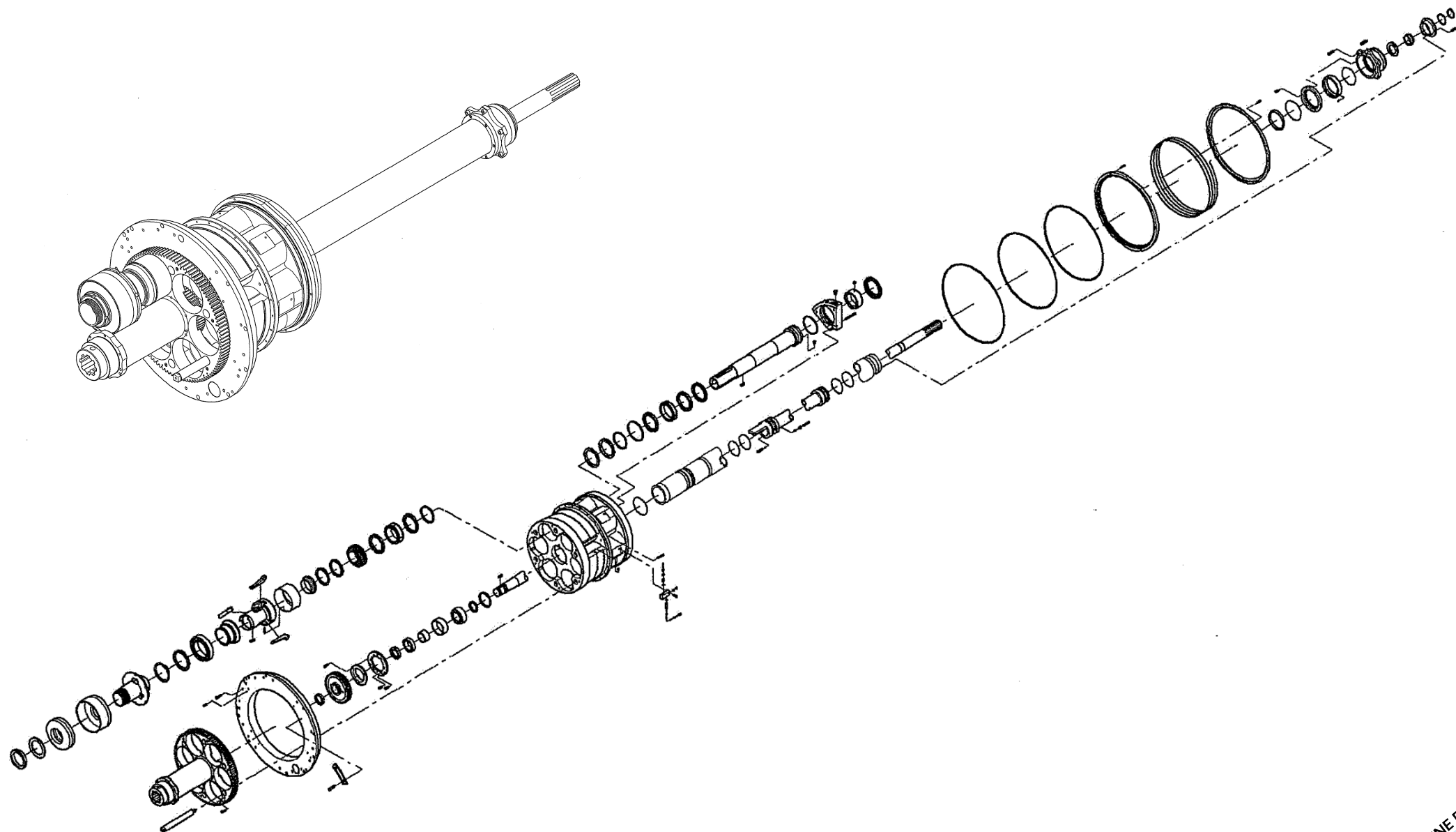
GILDEMEISTER GM16-6

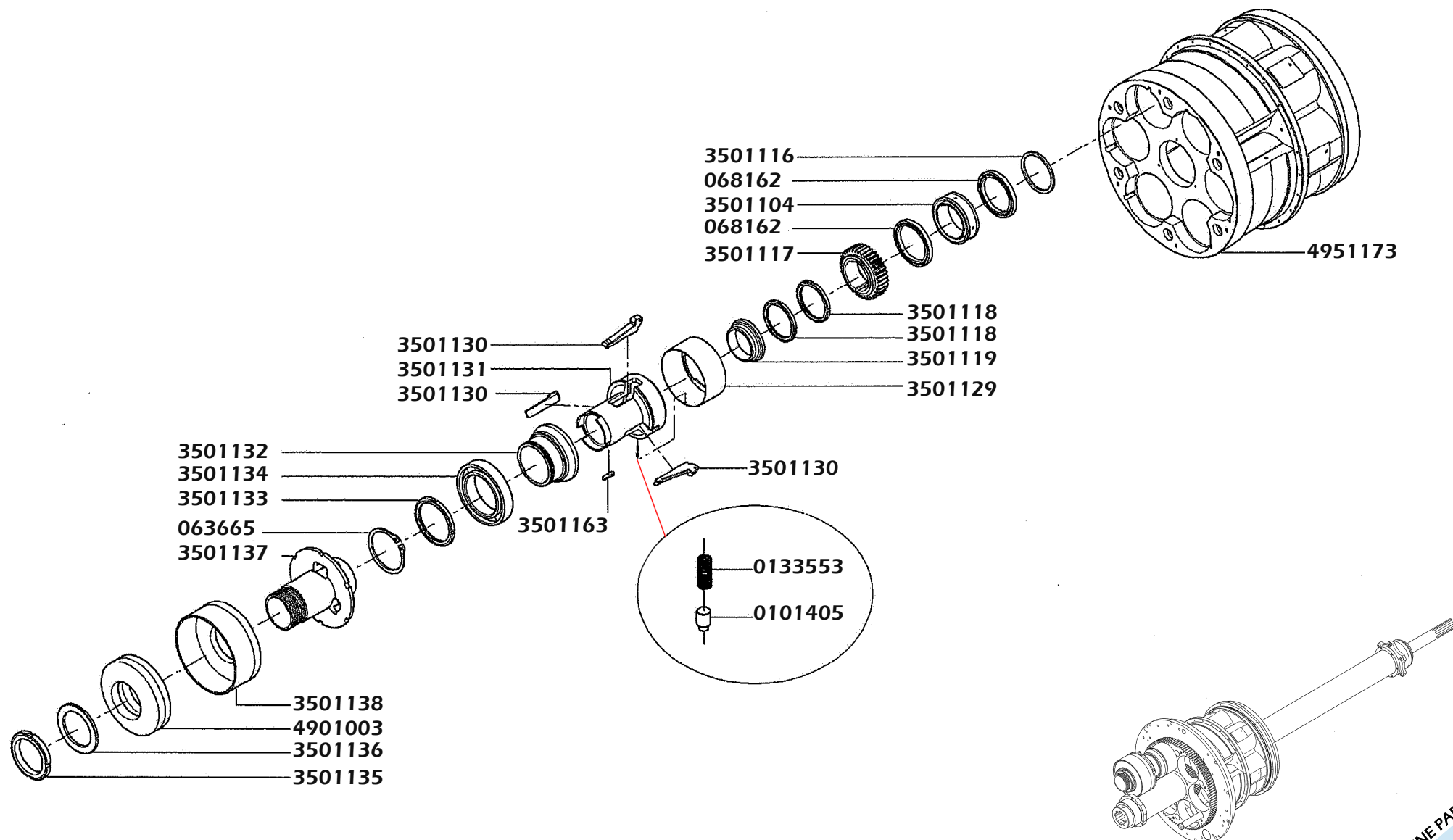
Ricambi macchina
Machine parts

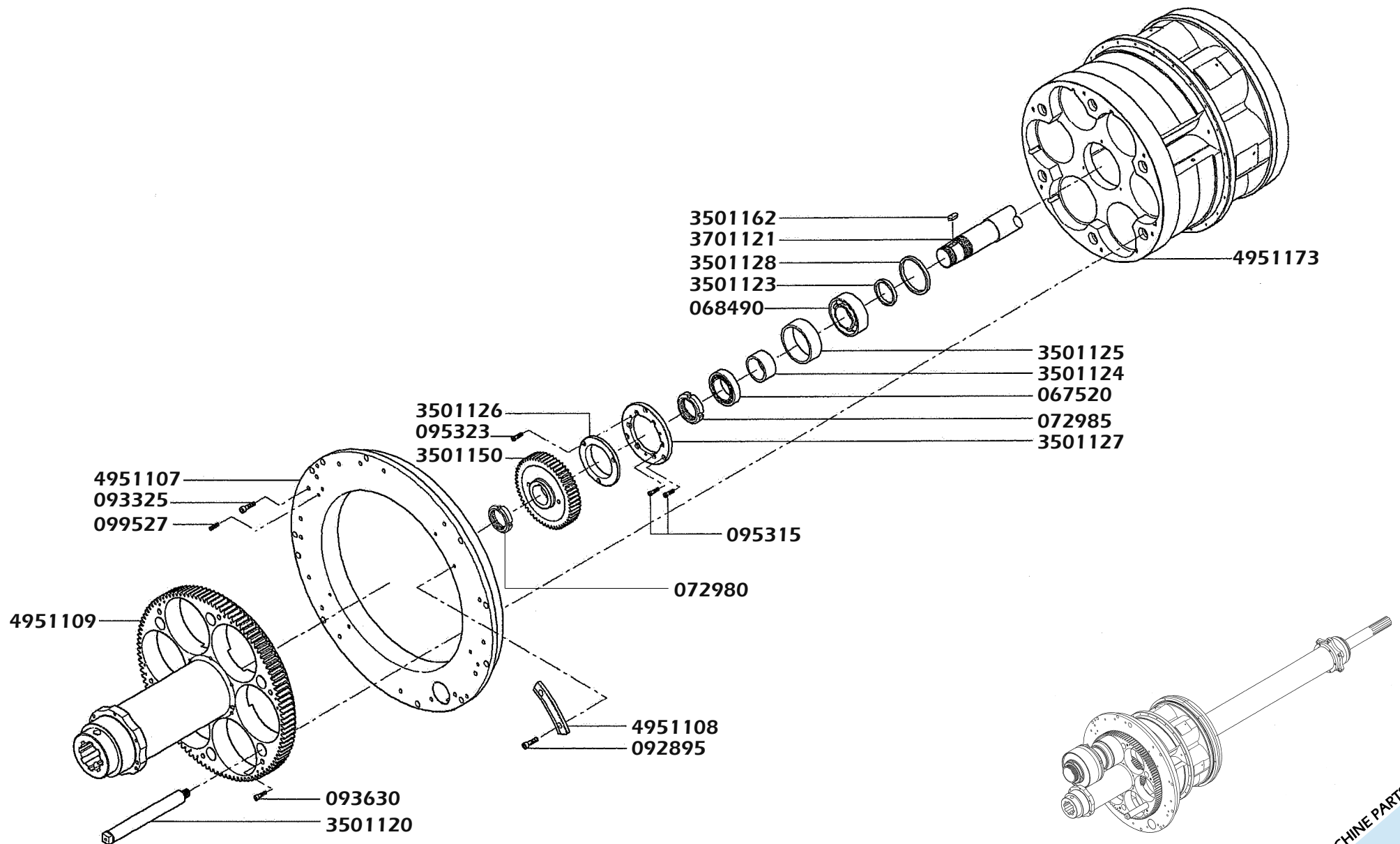


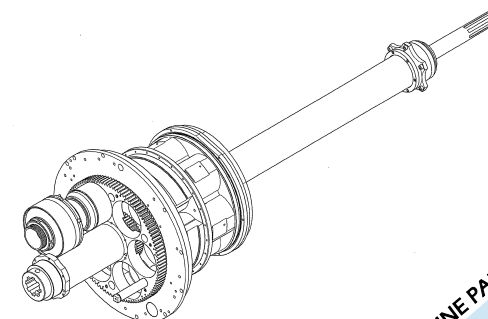
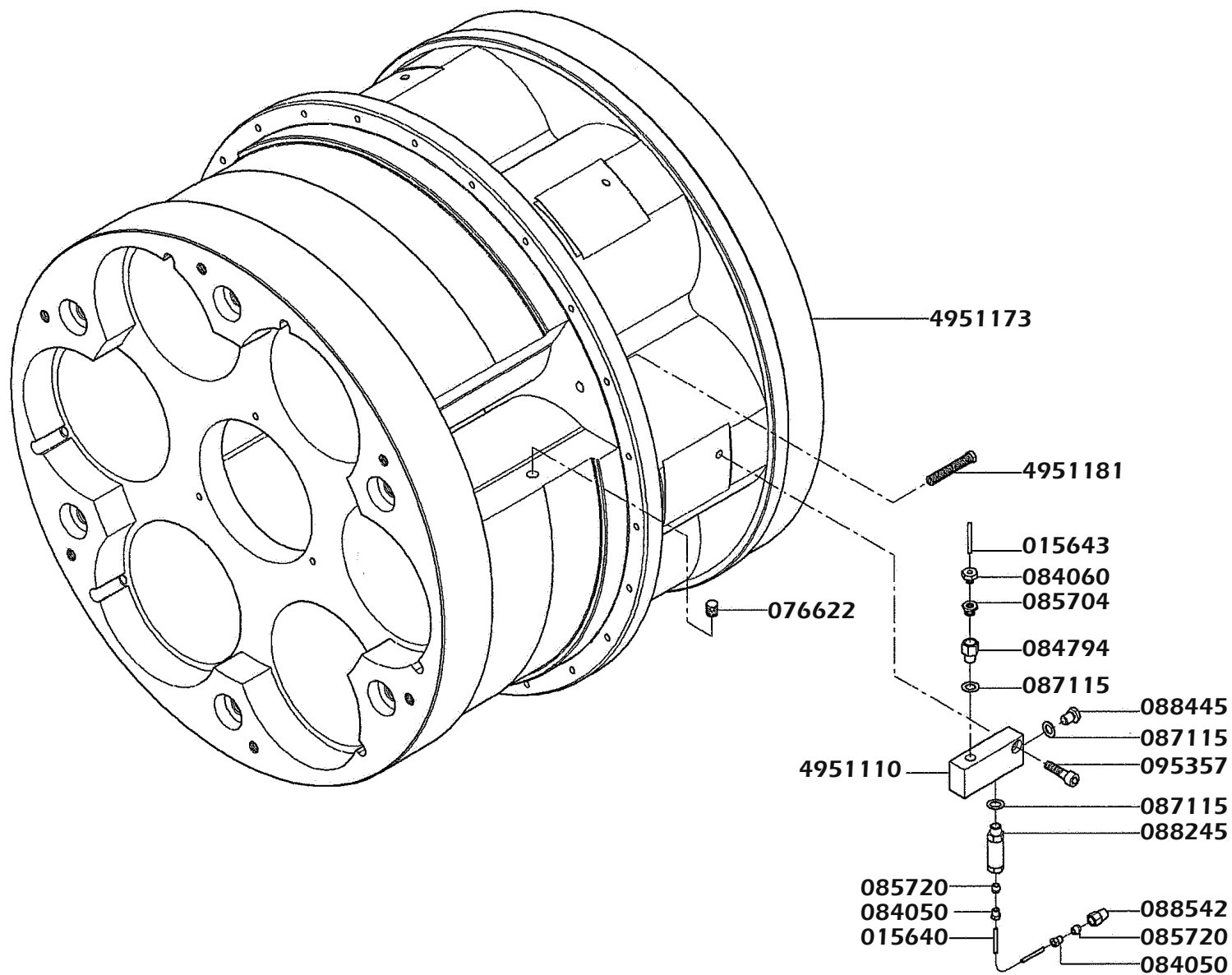


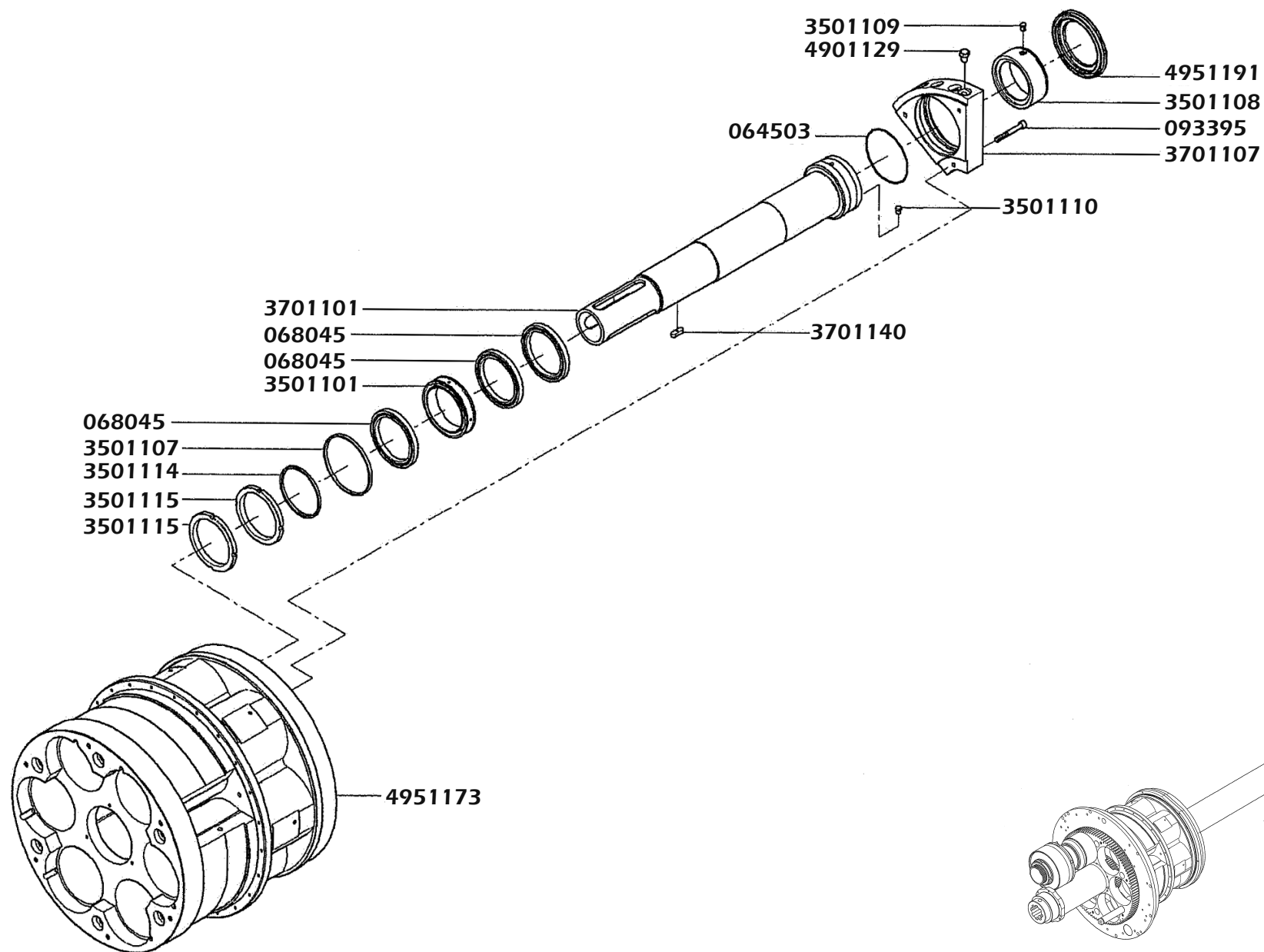


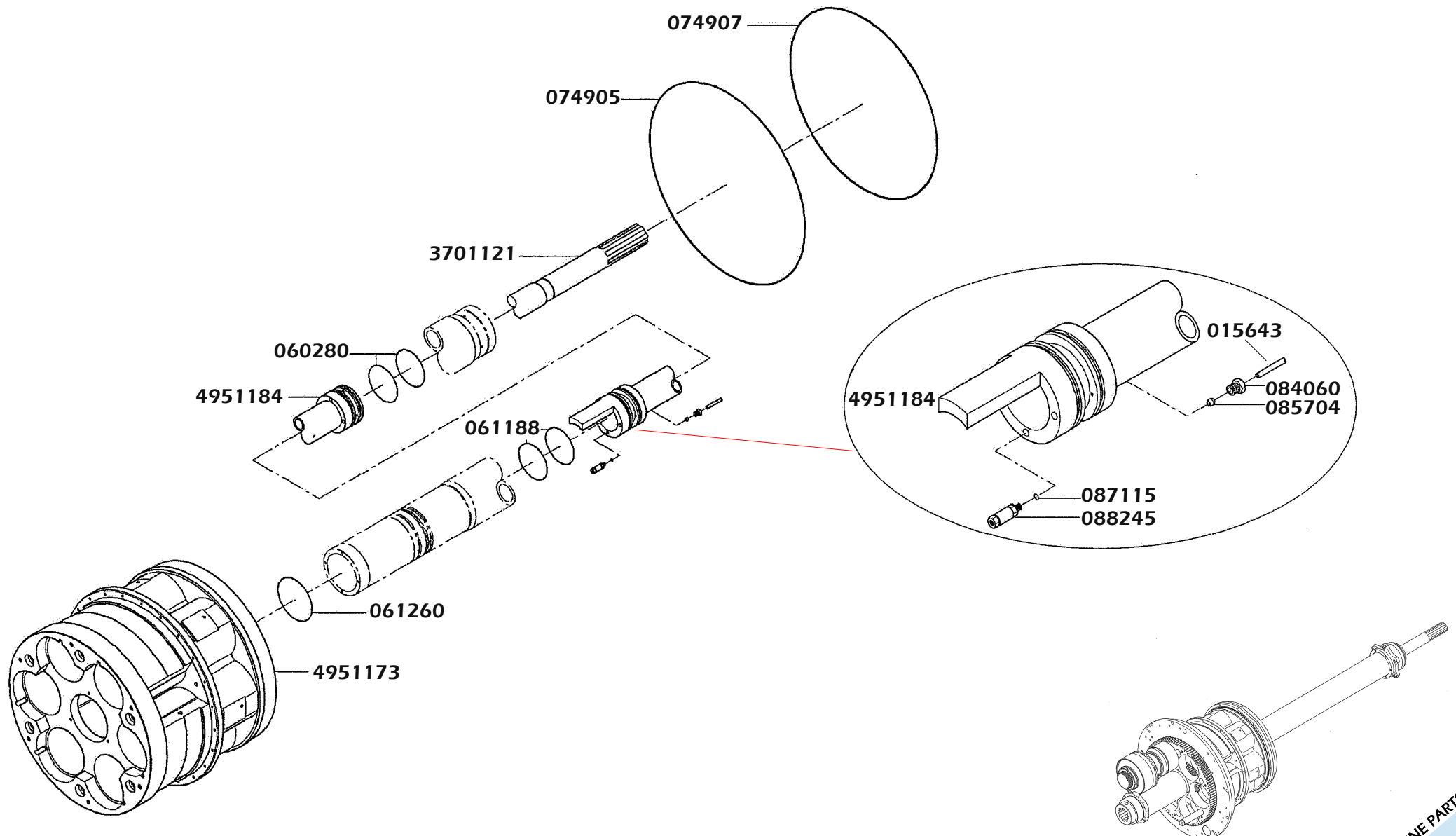


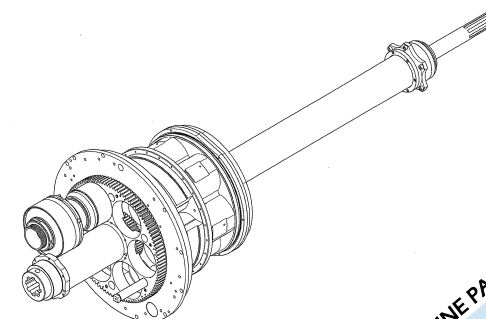
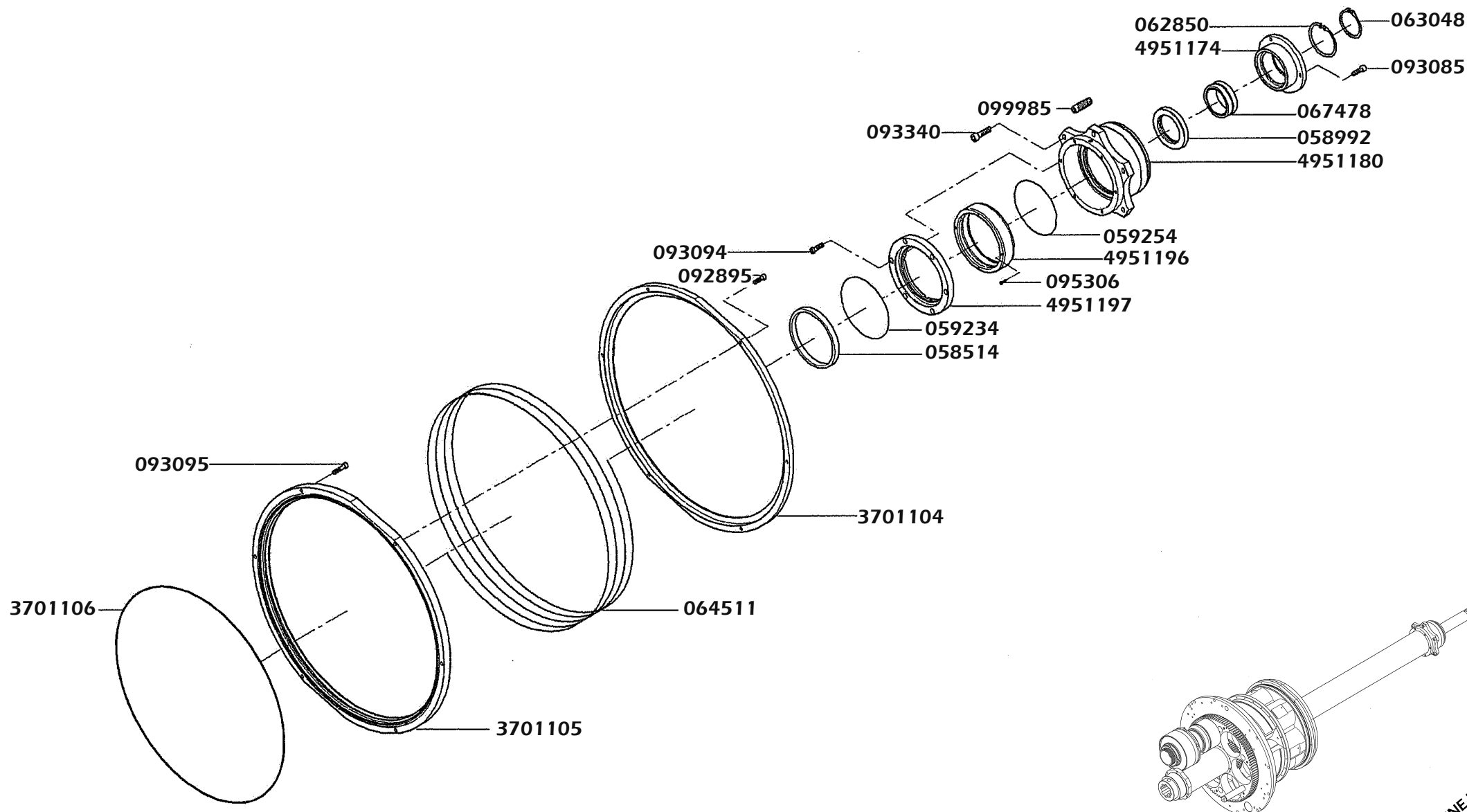


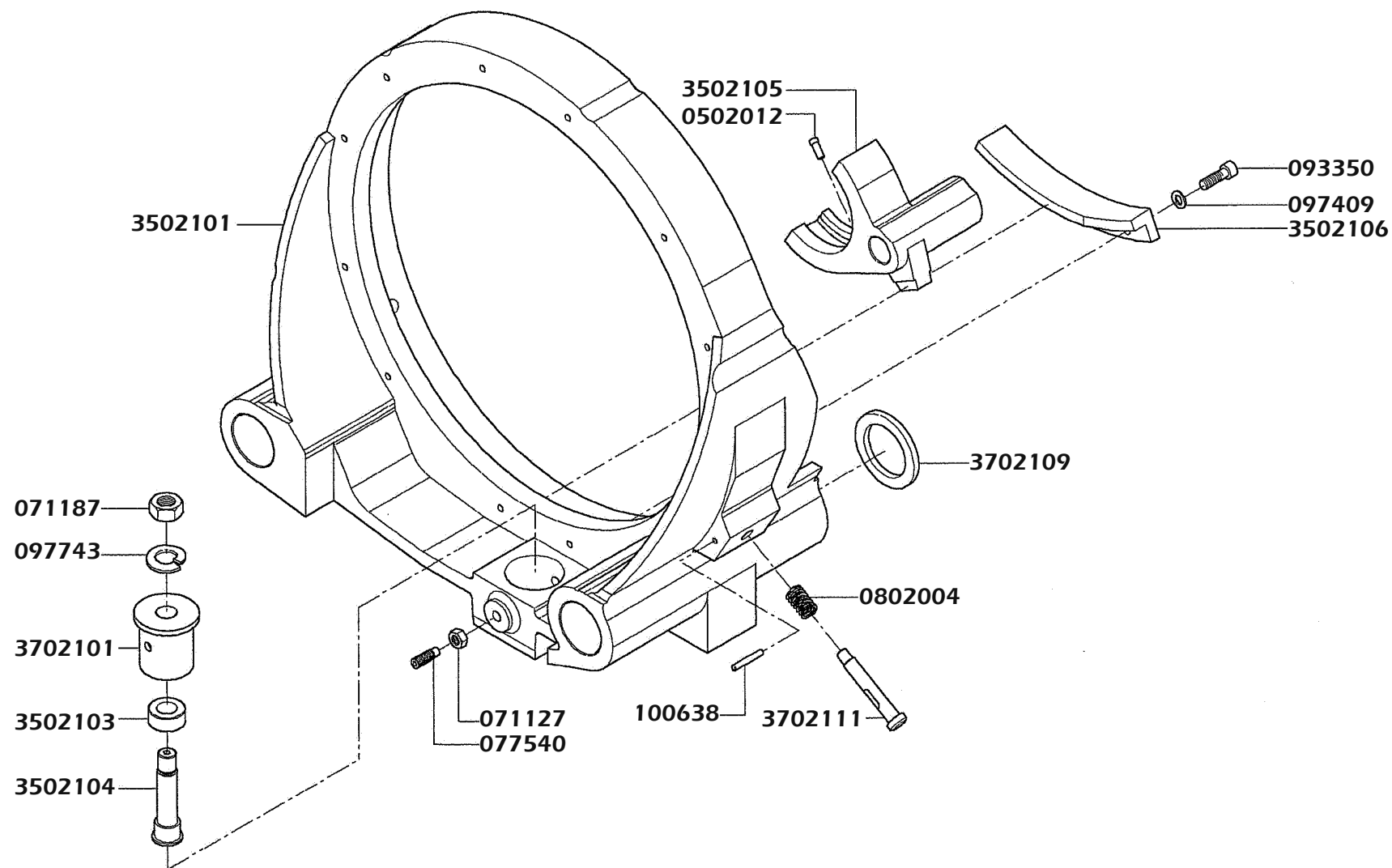


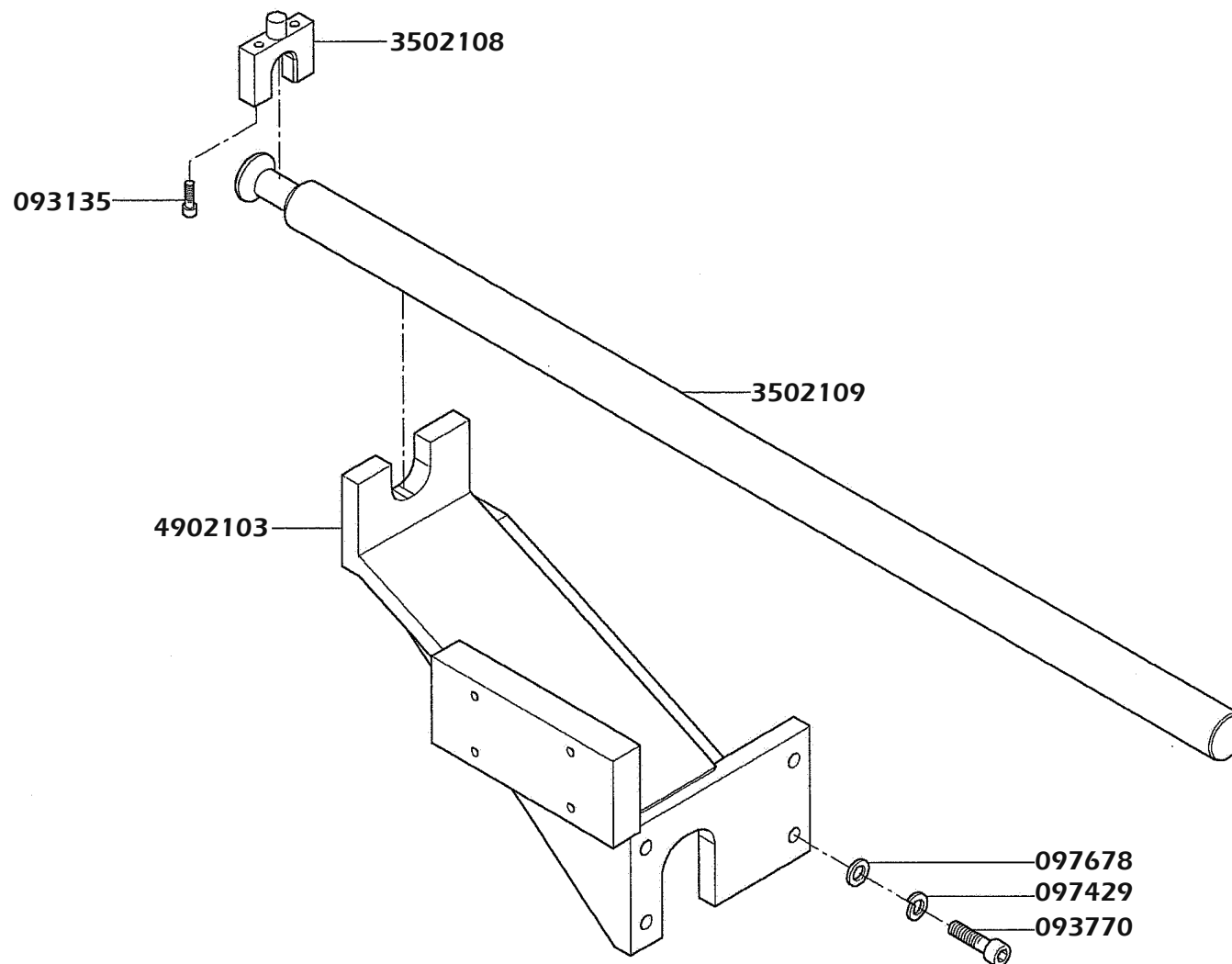


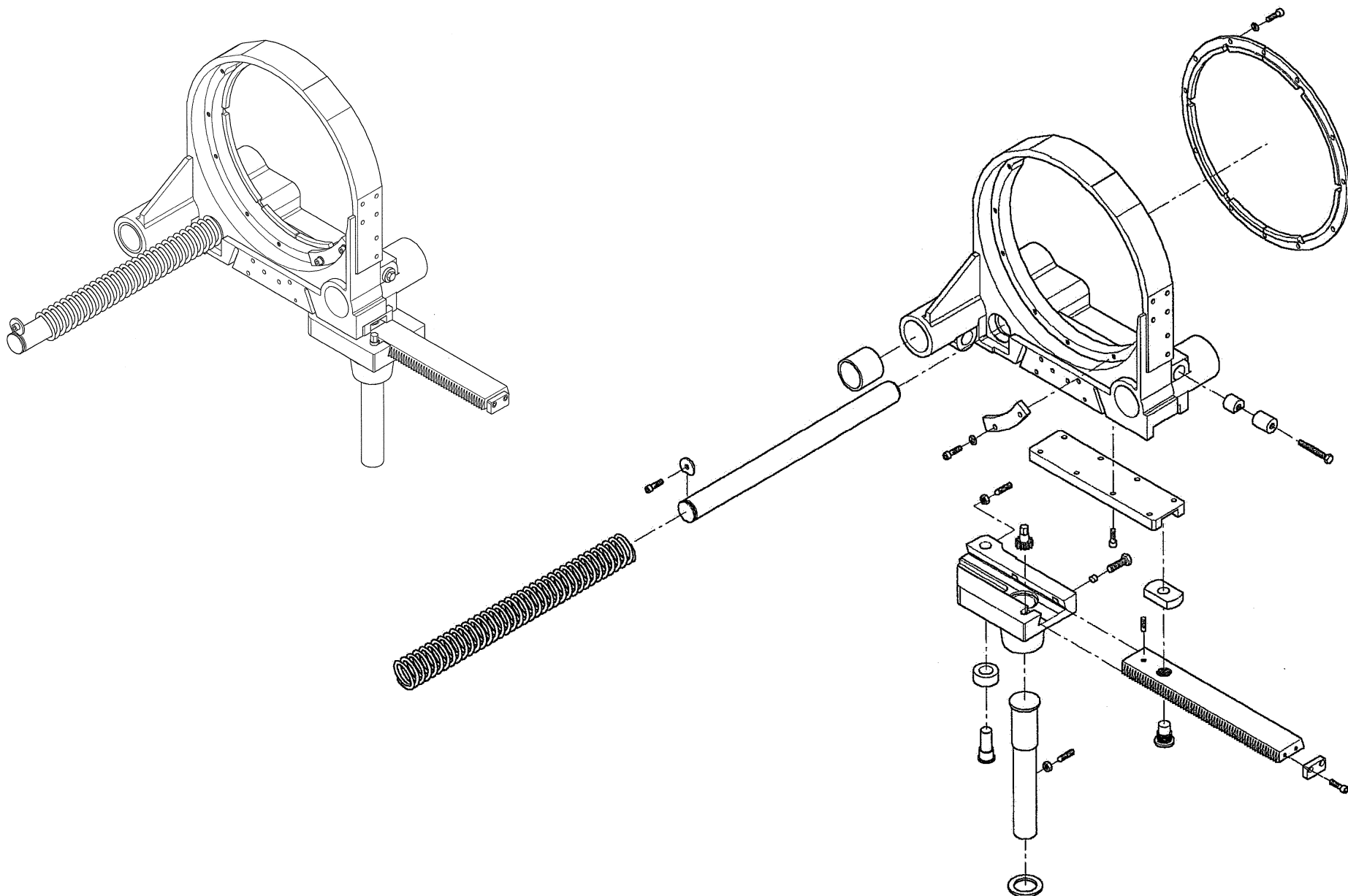


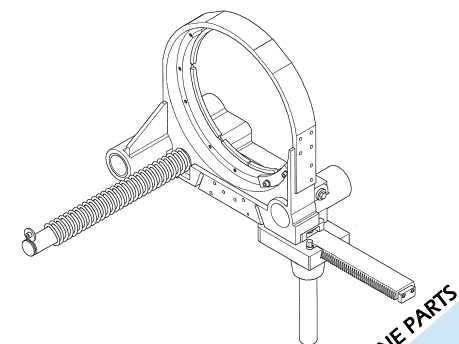
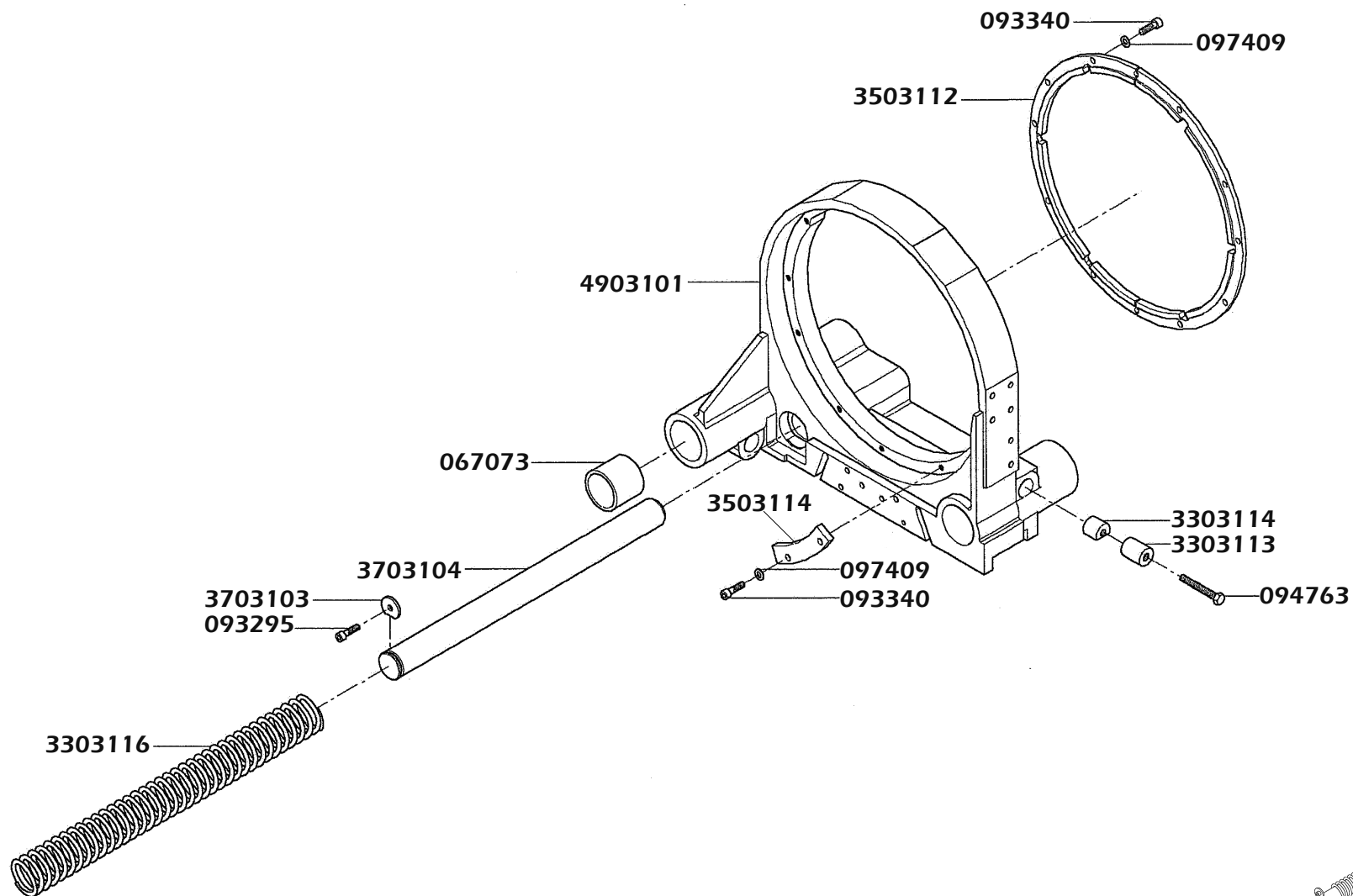


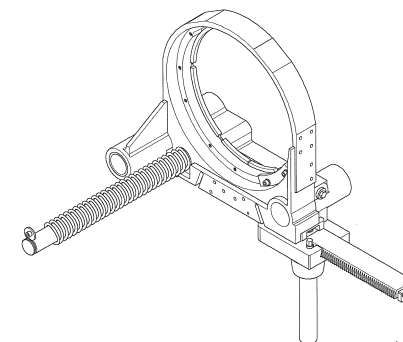
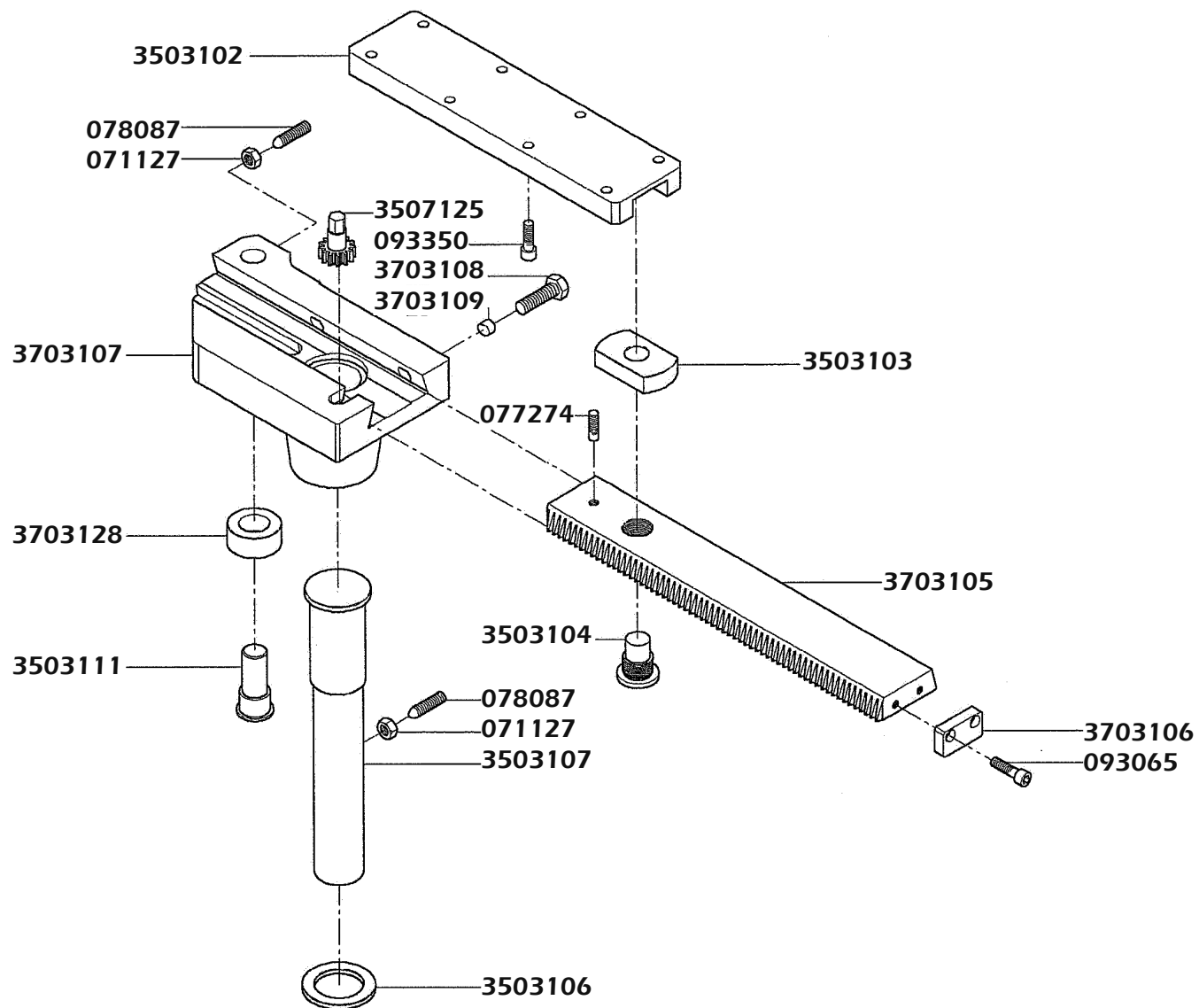


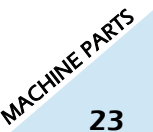


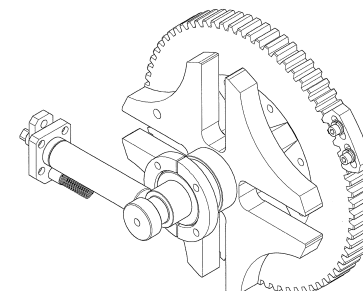
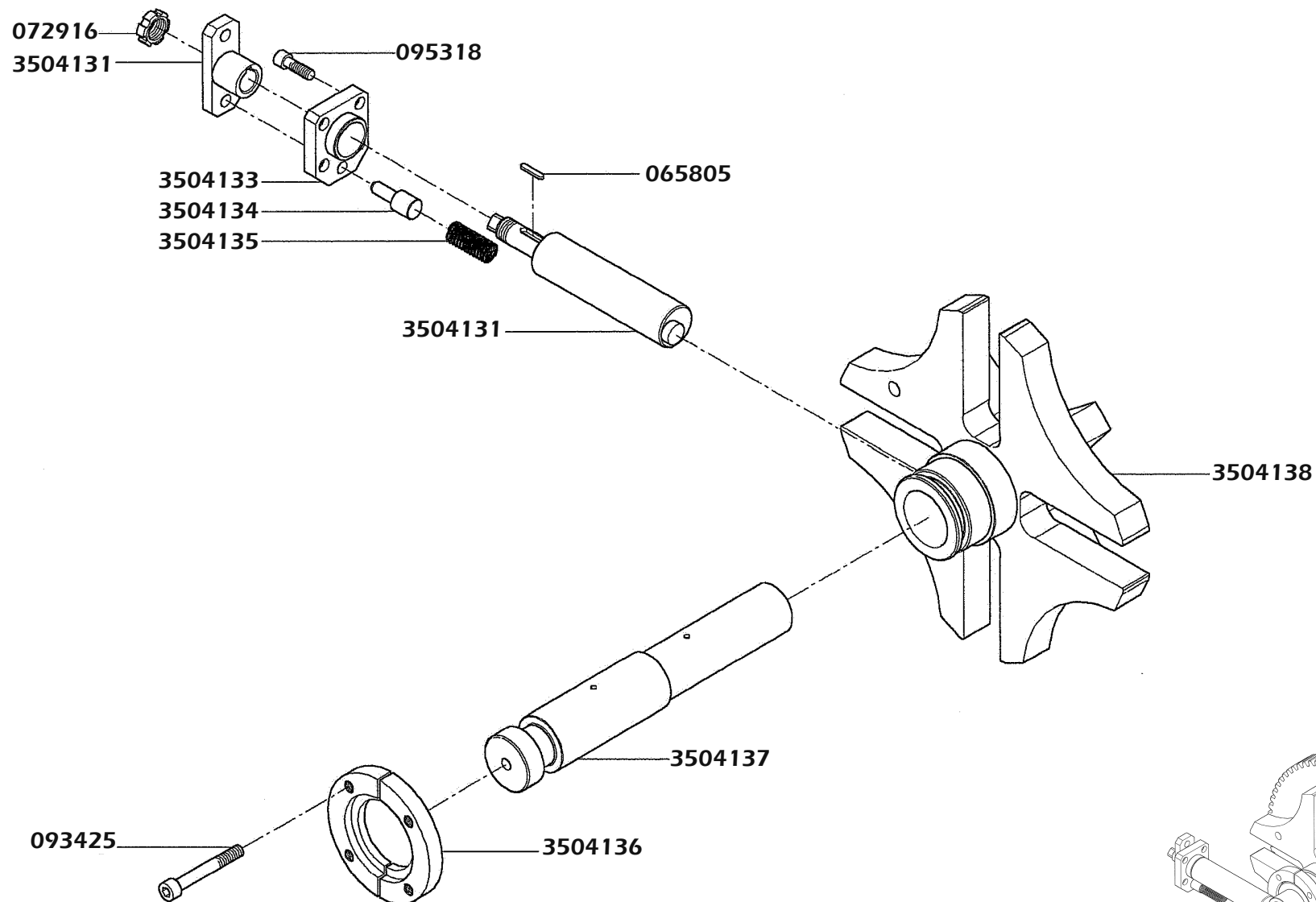


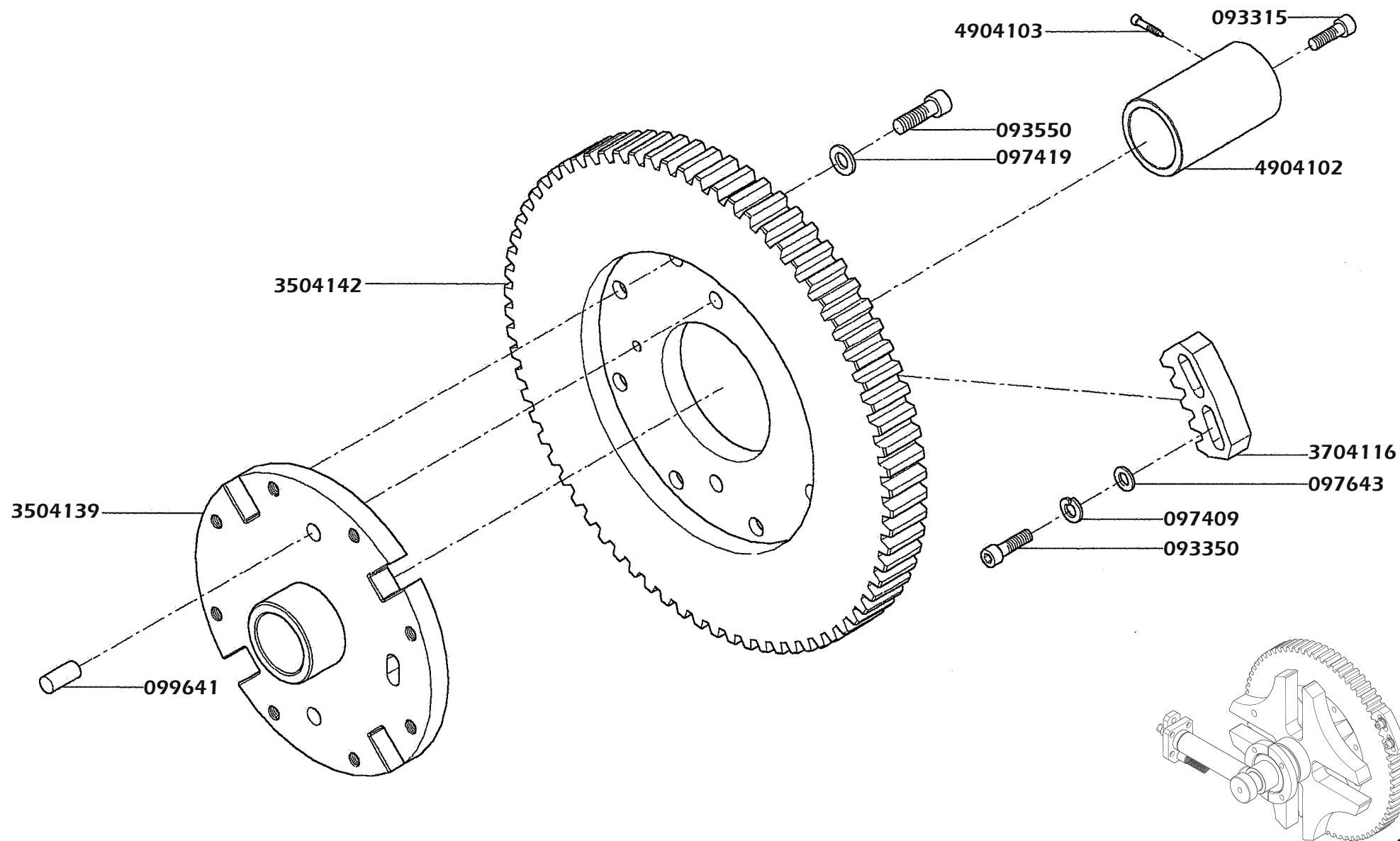


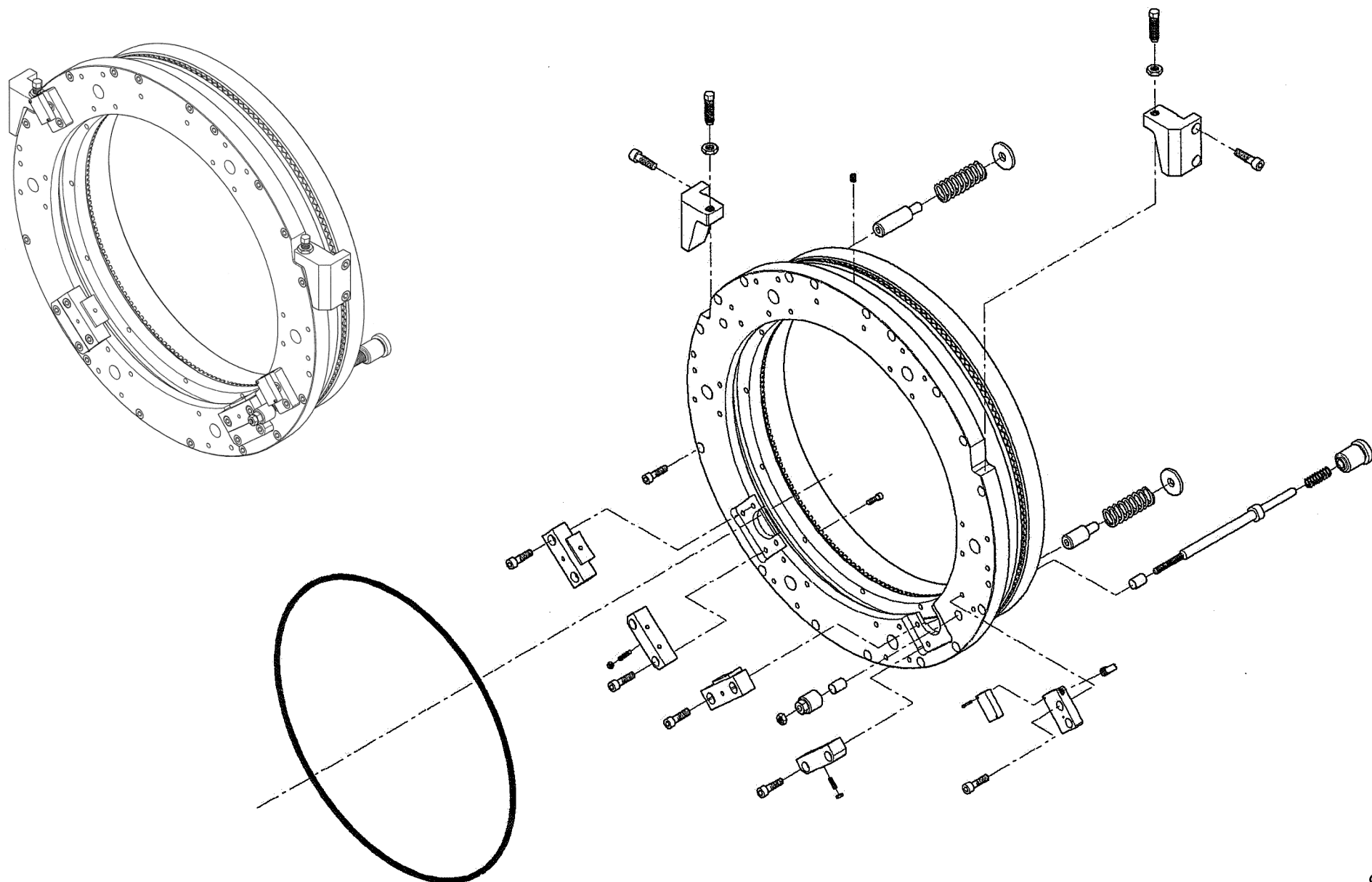


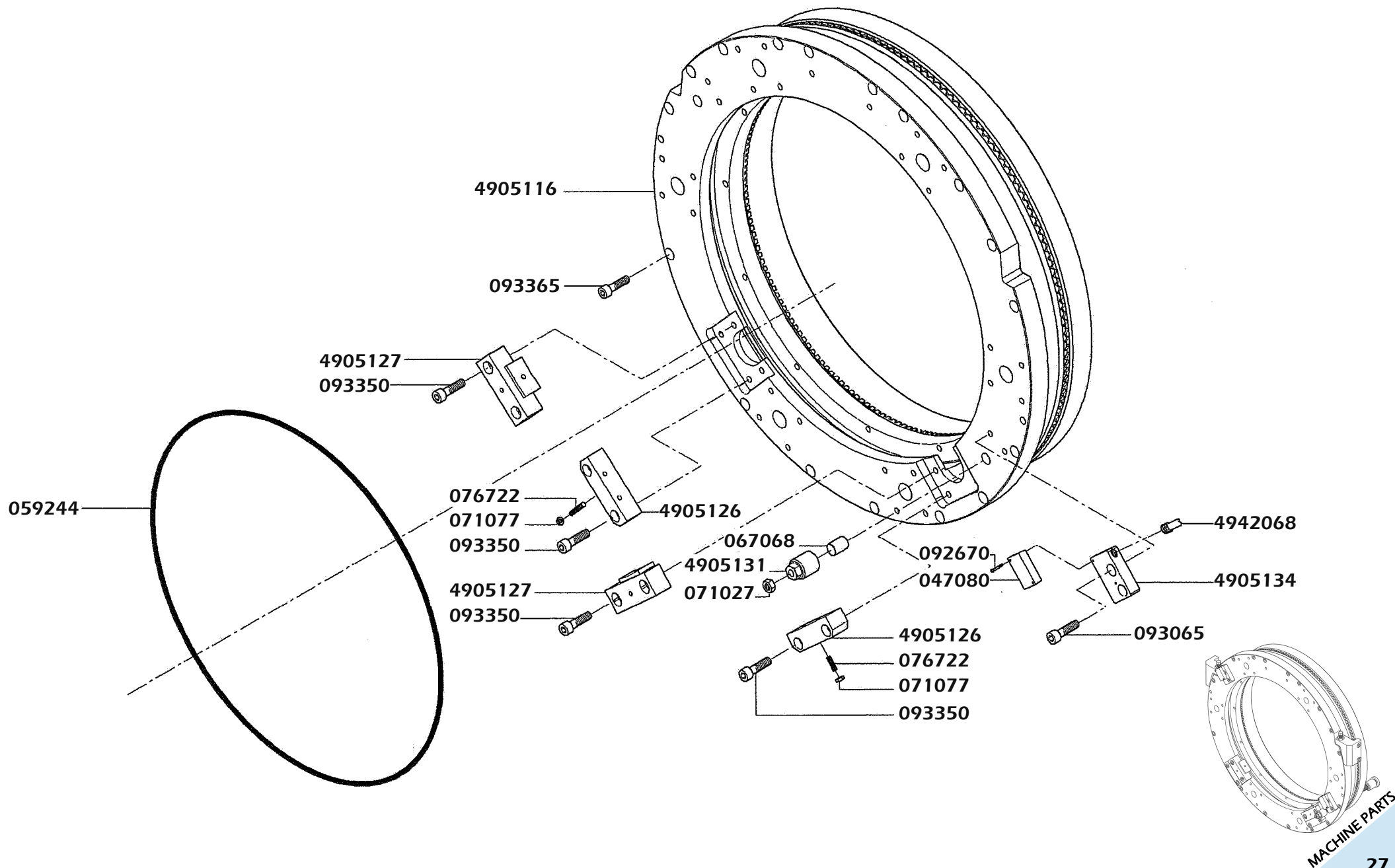


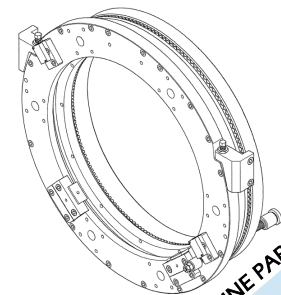
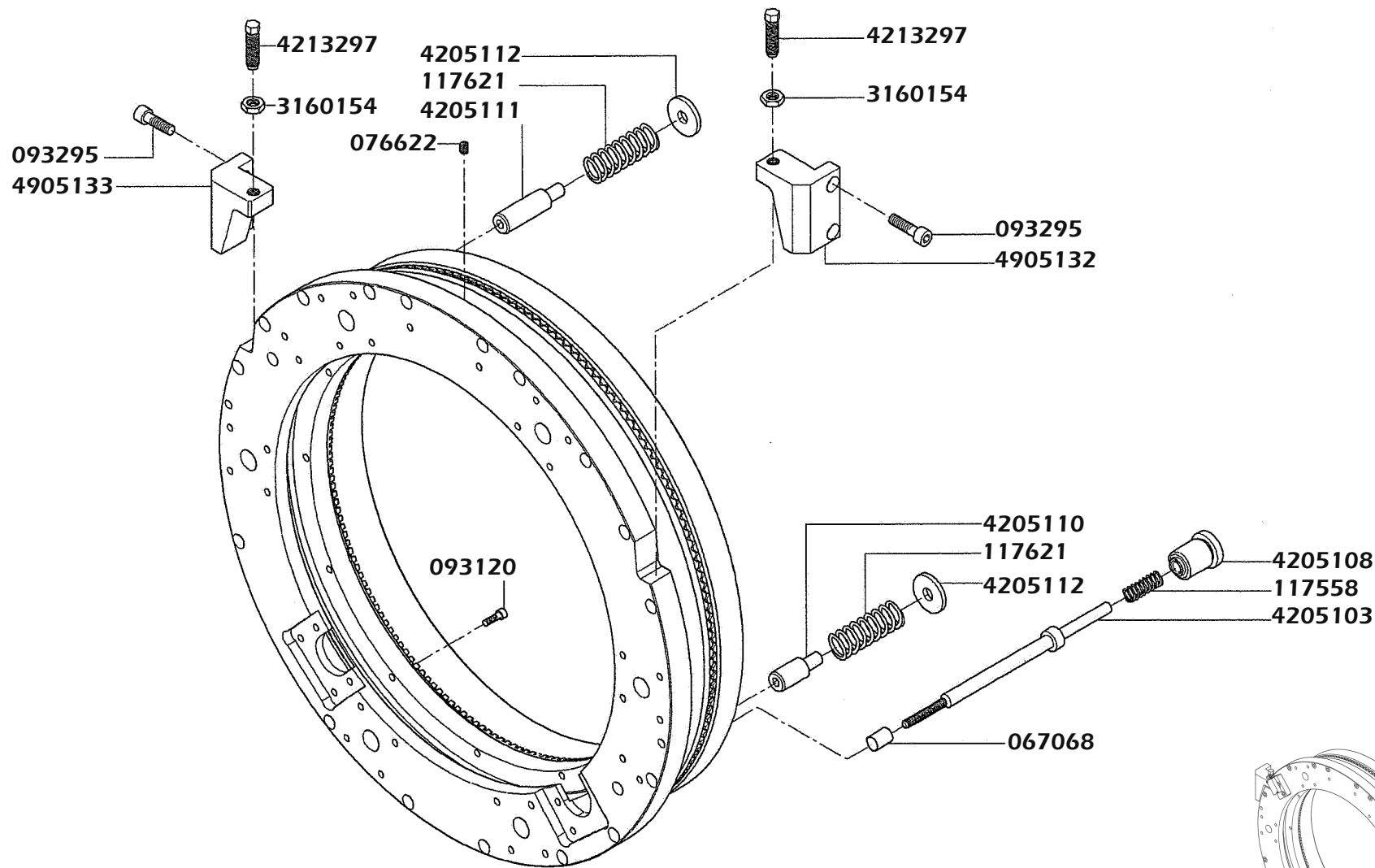


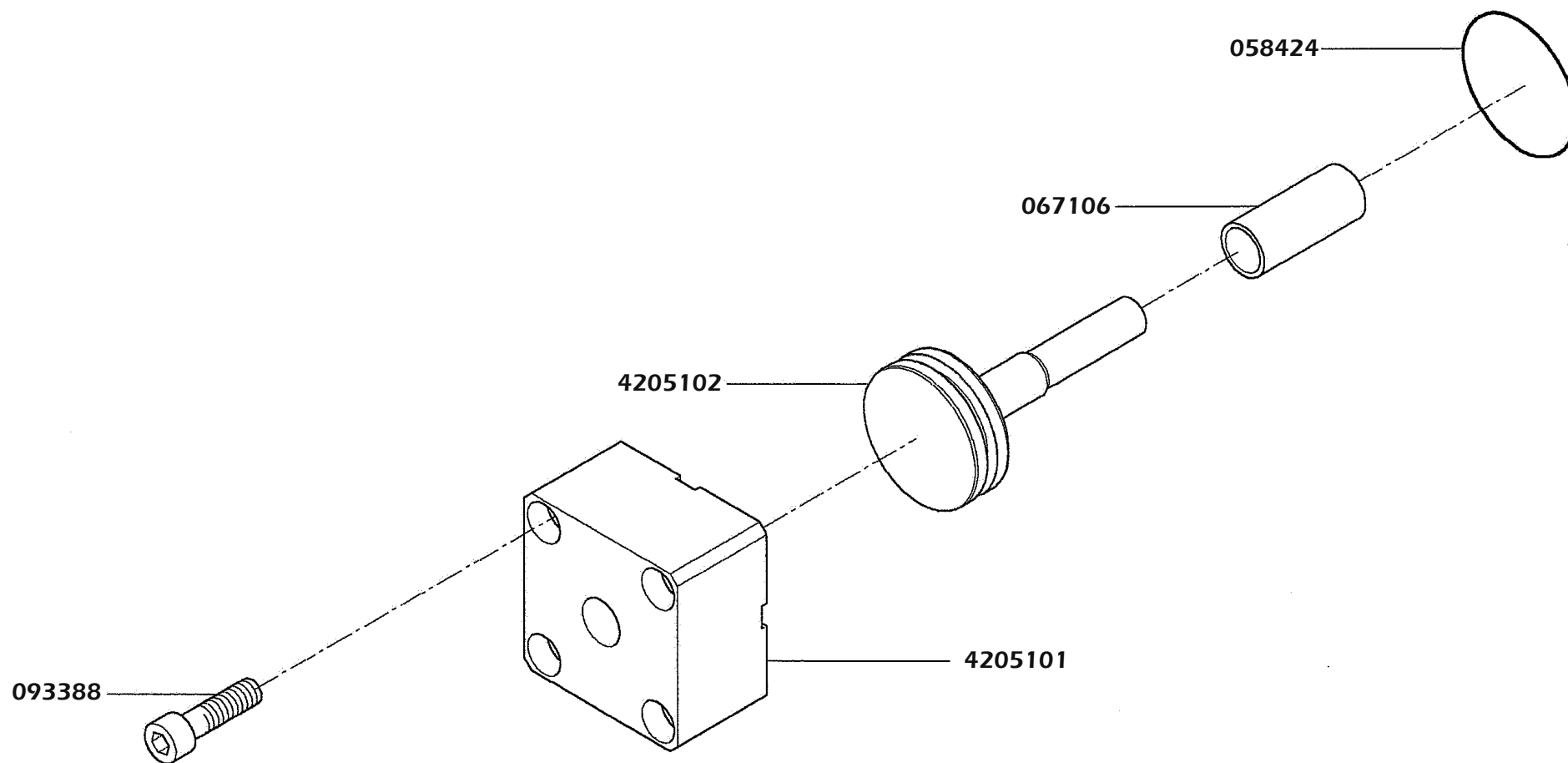


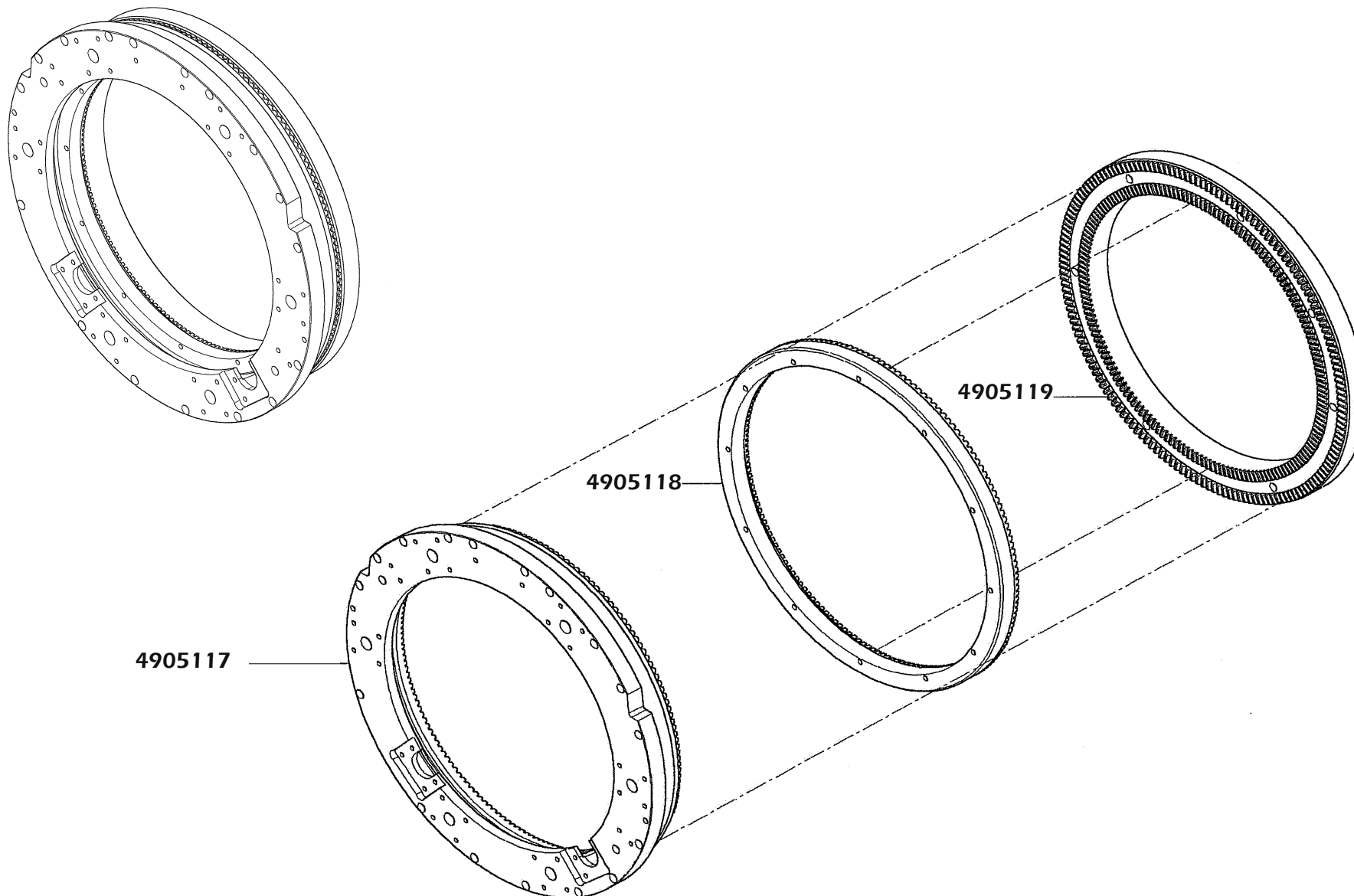


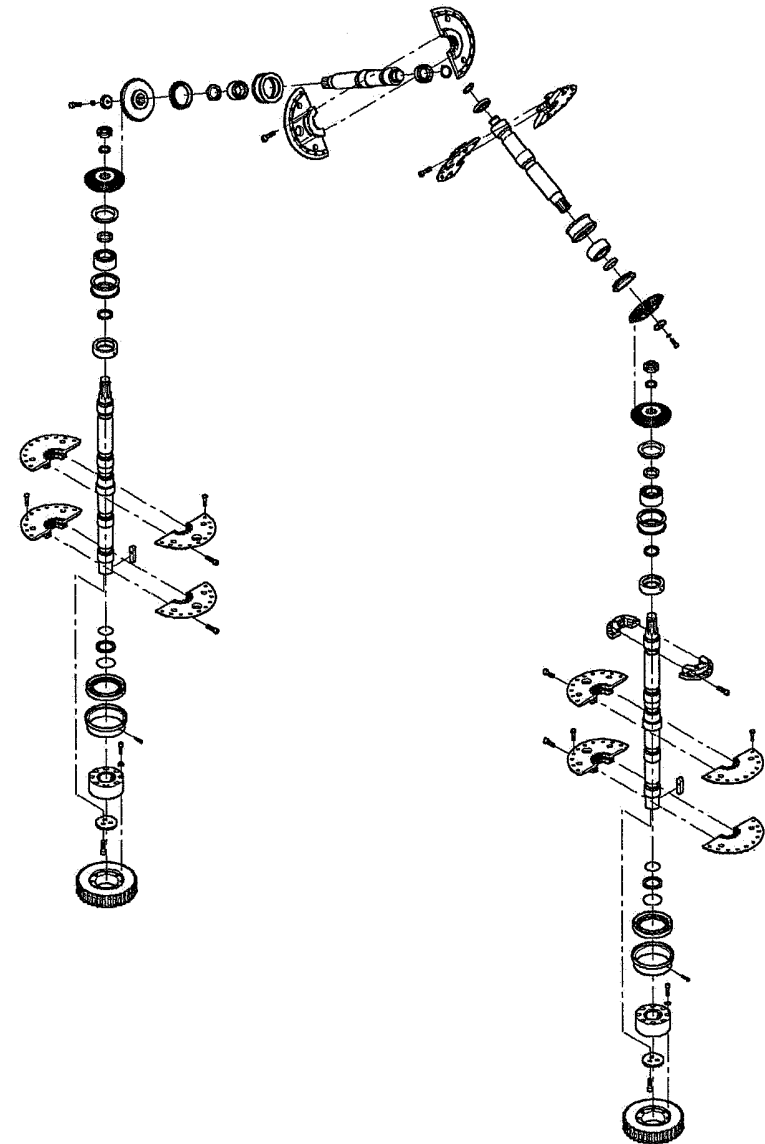
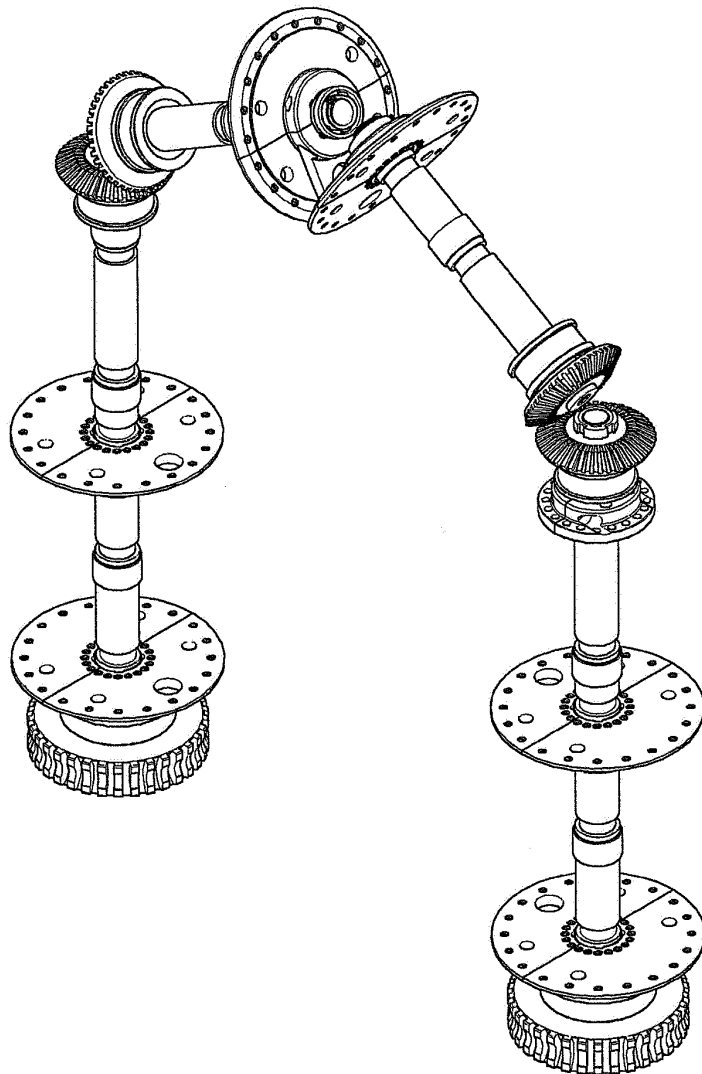


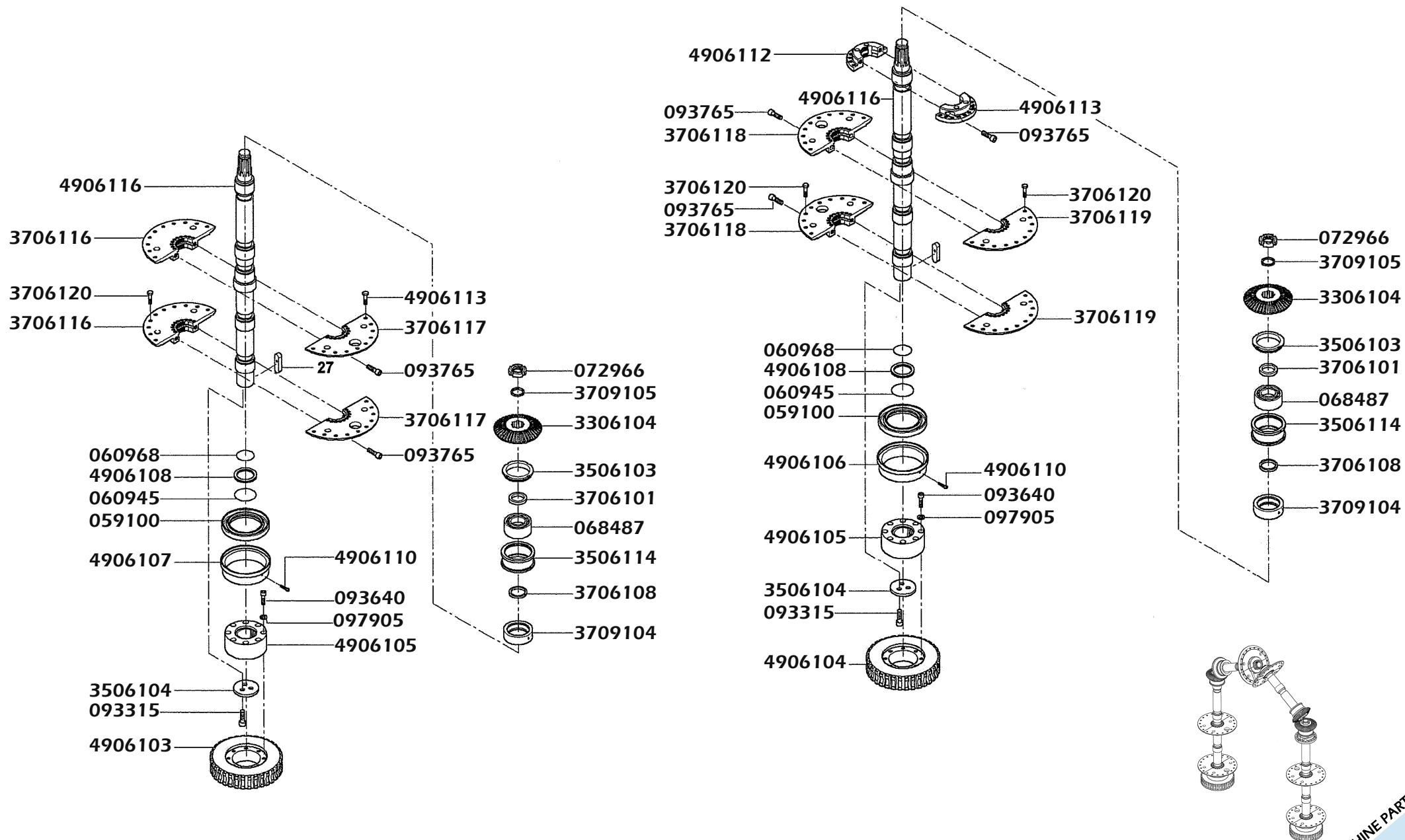


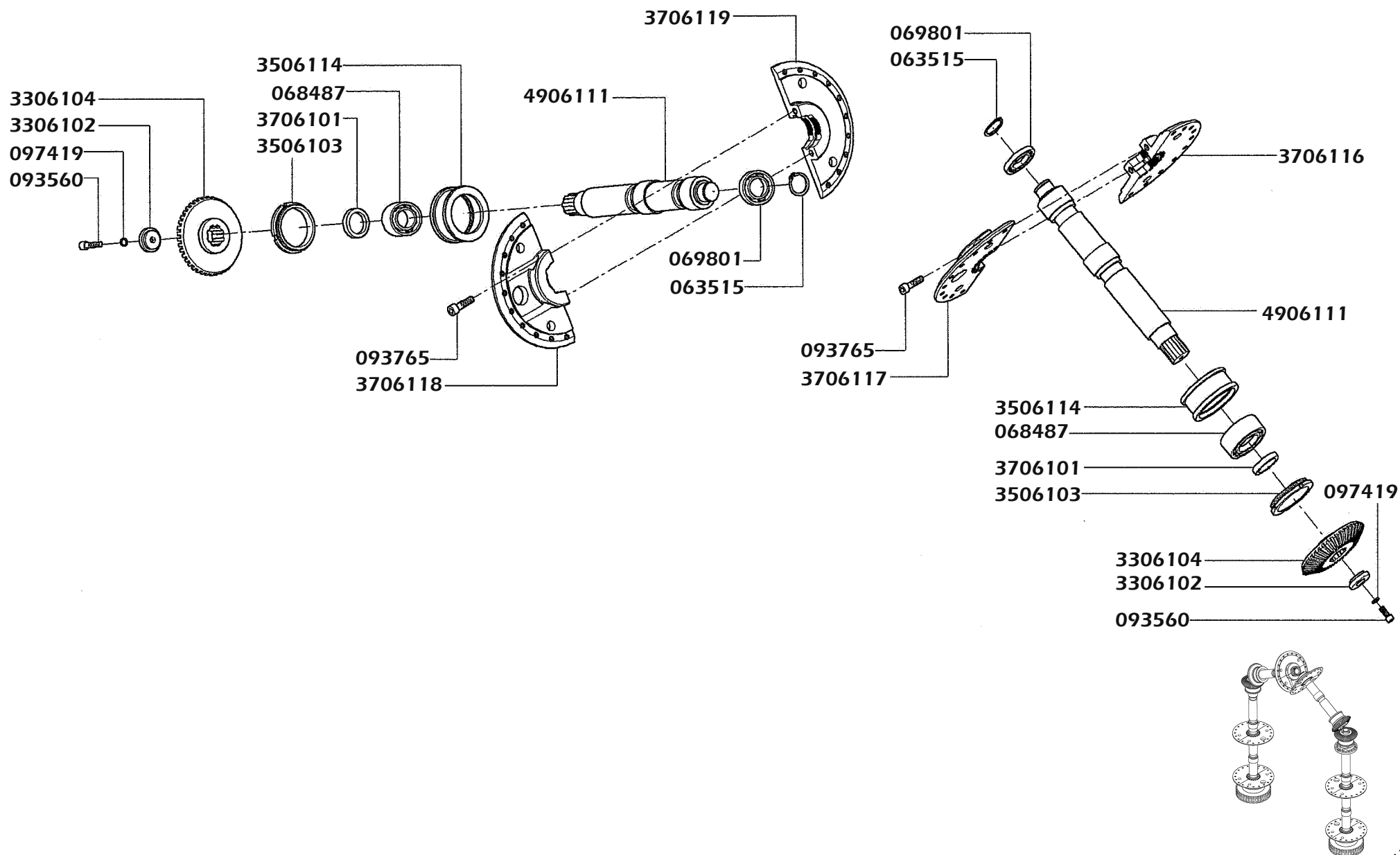


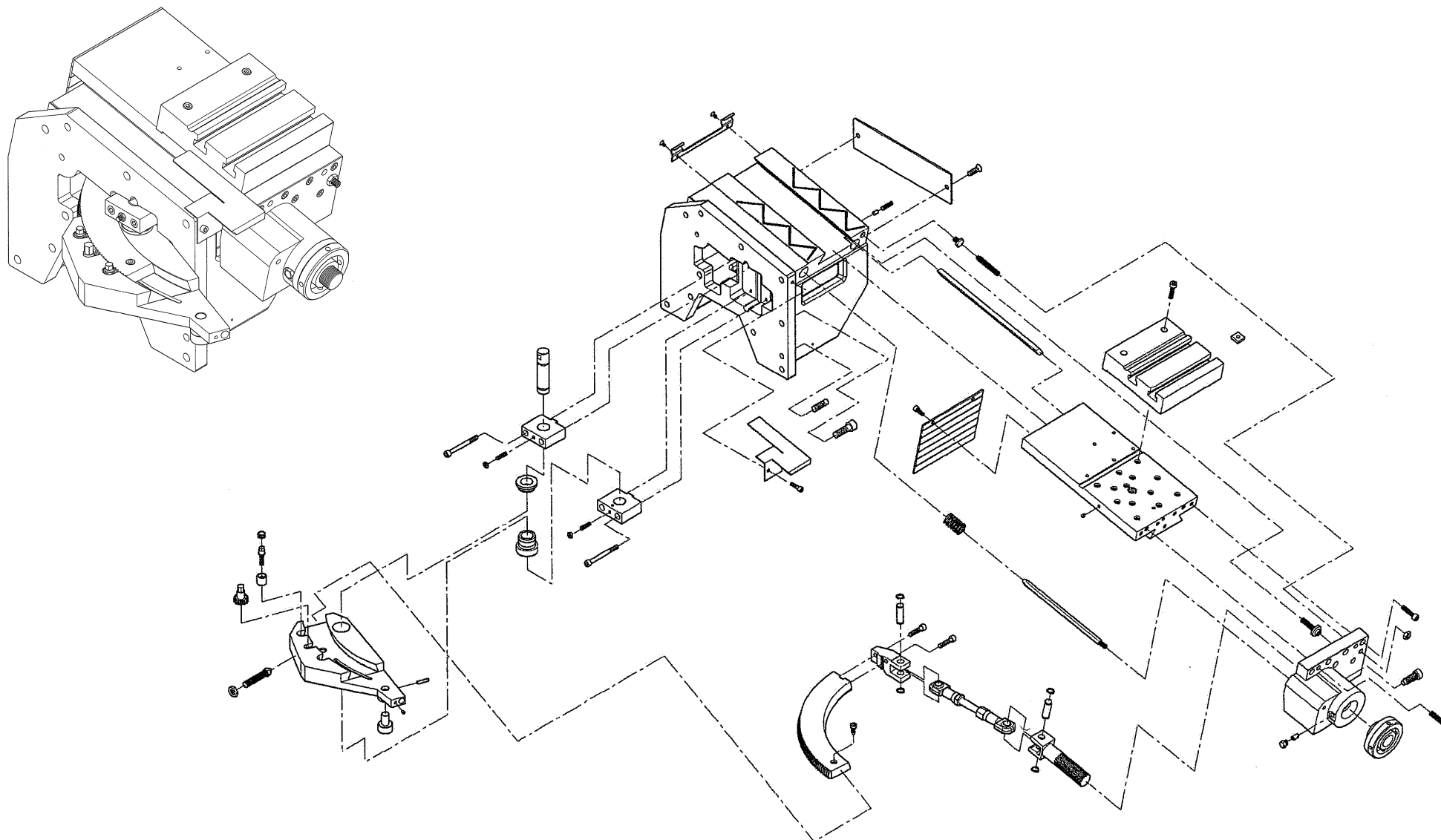


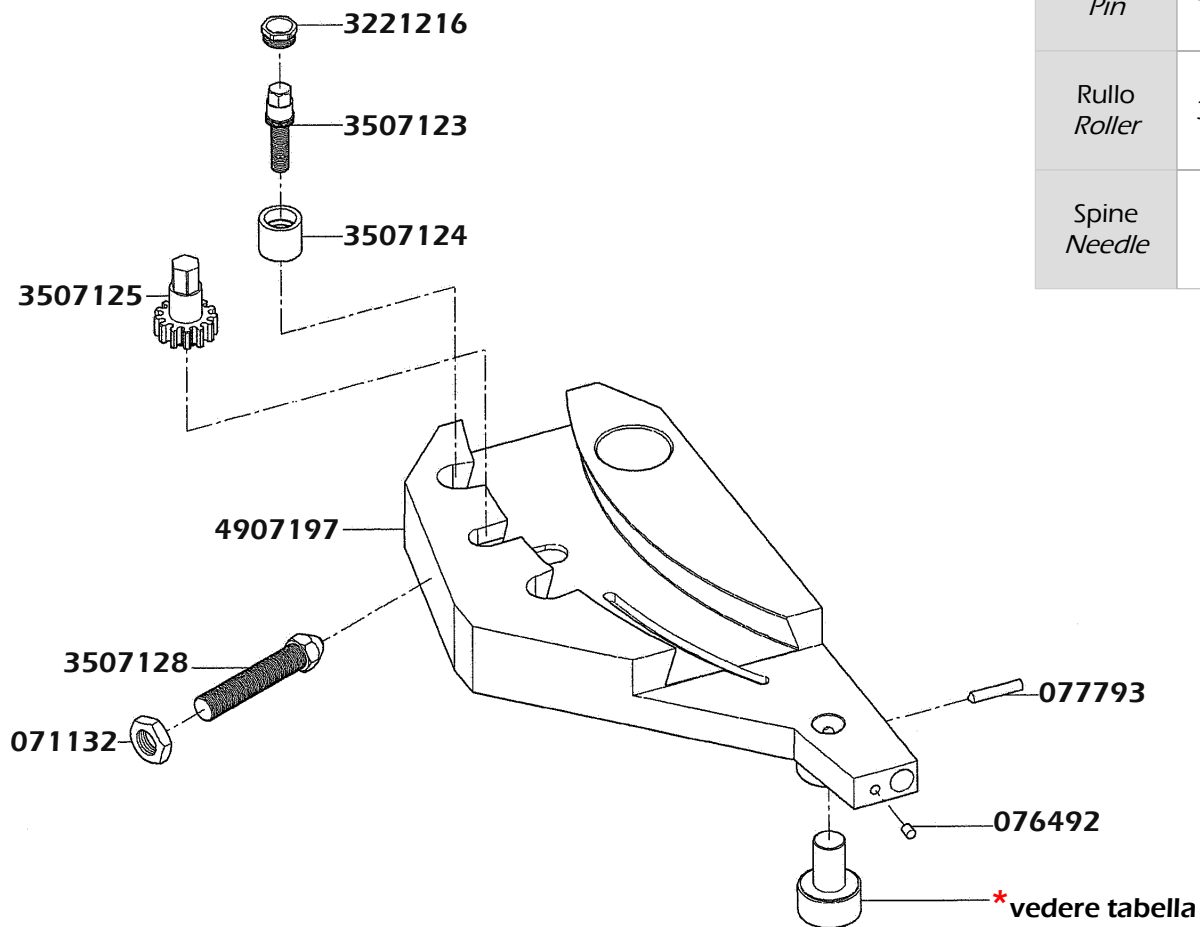






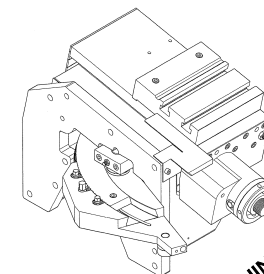


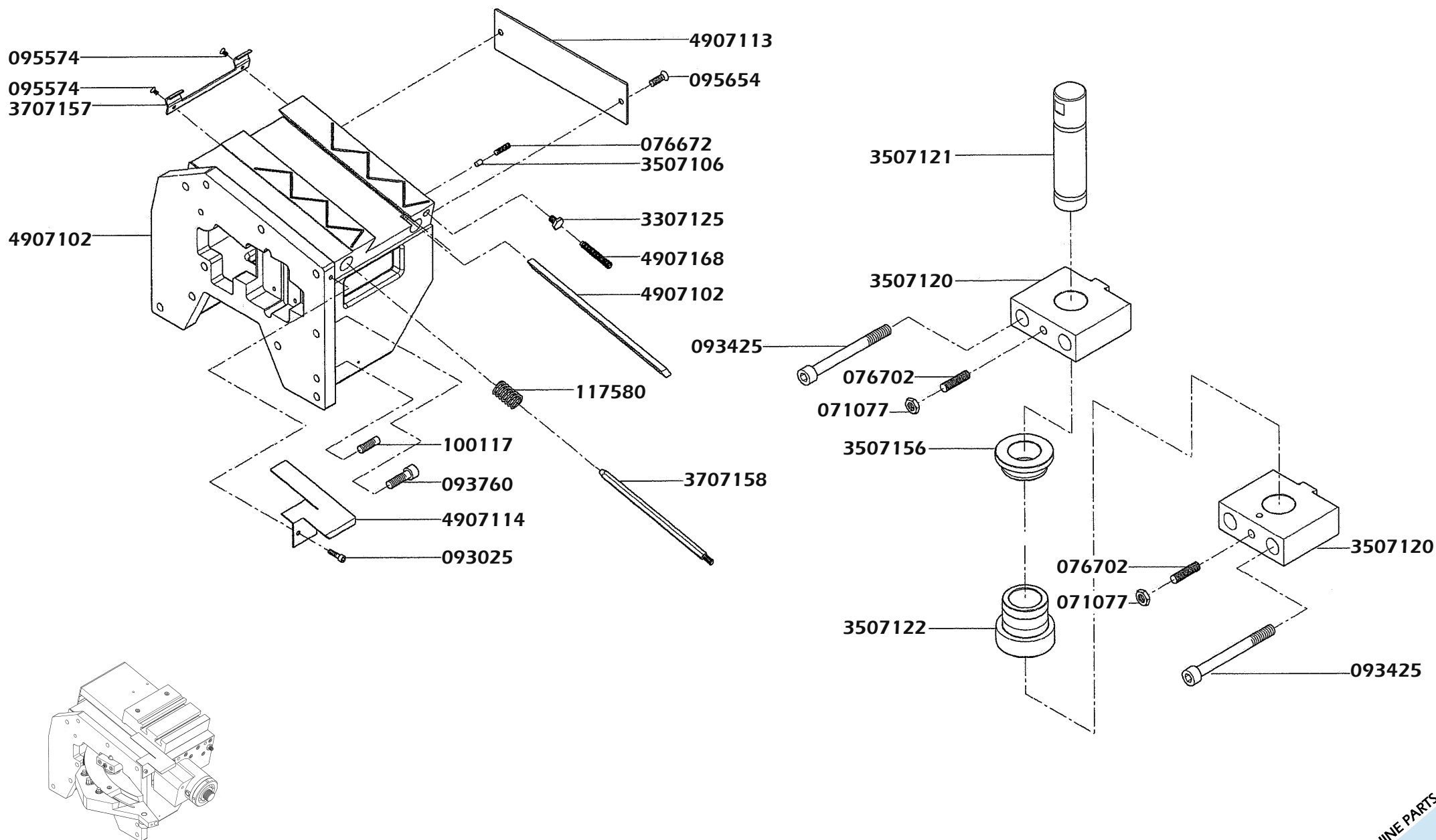


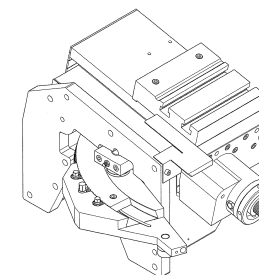
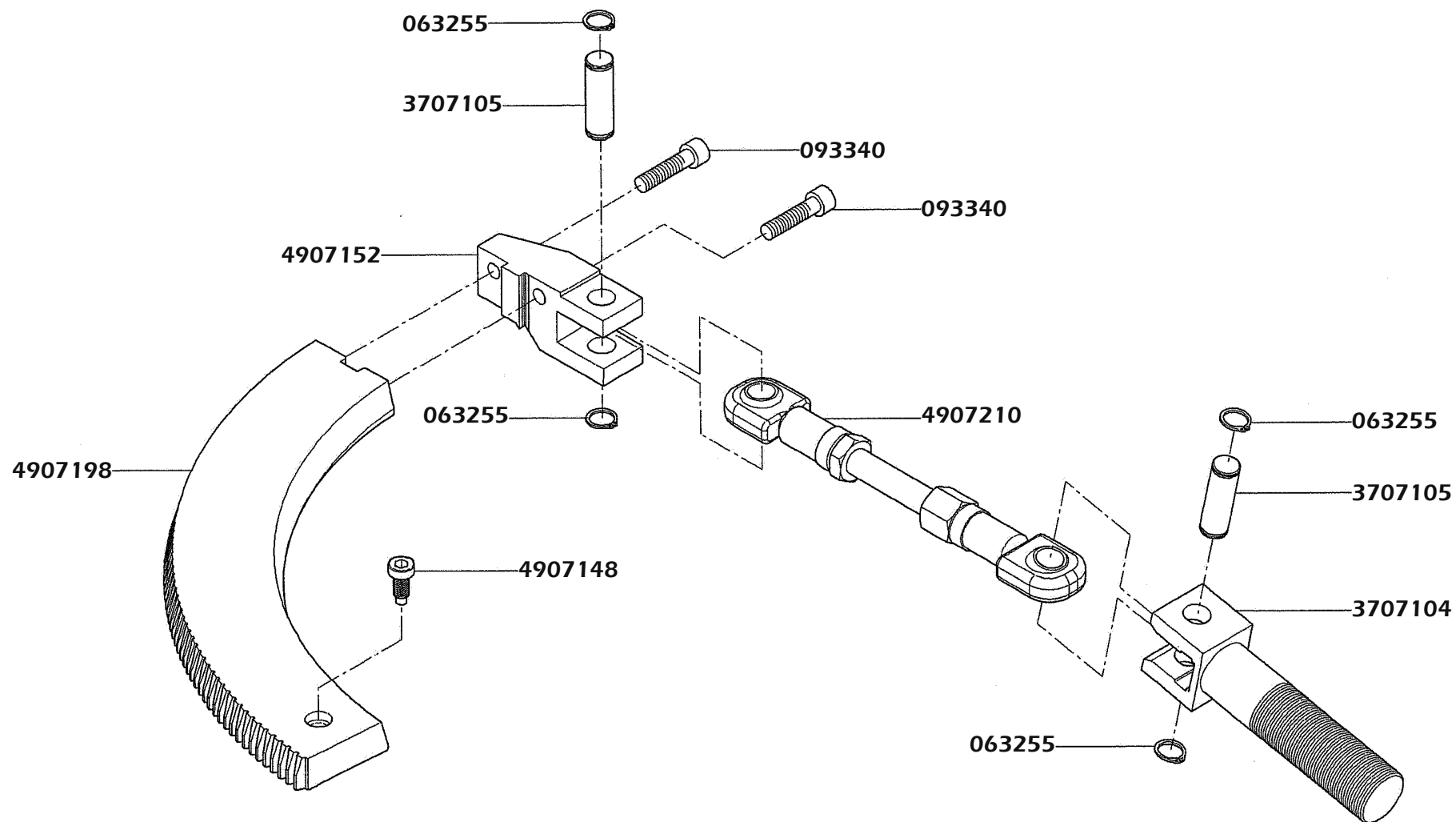


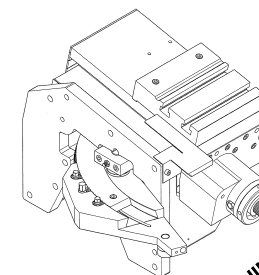
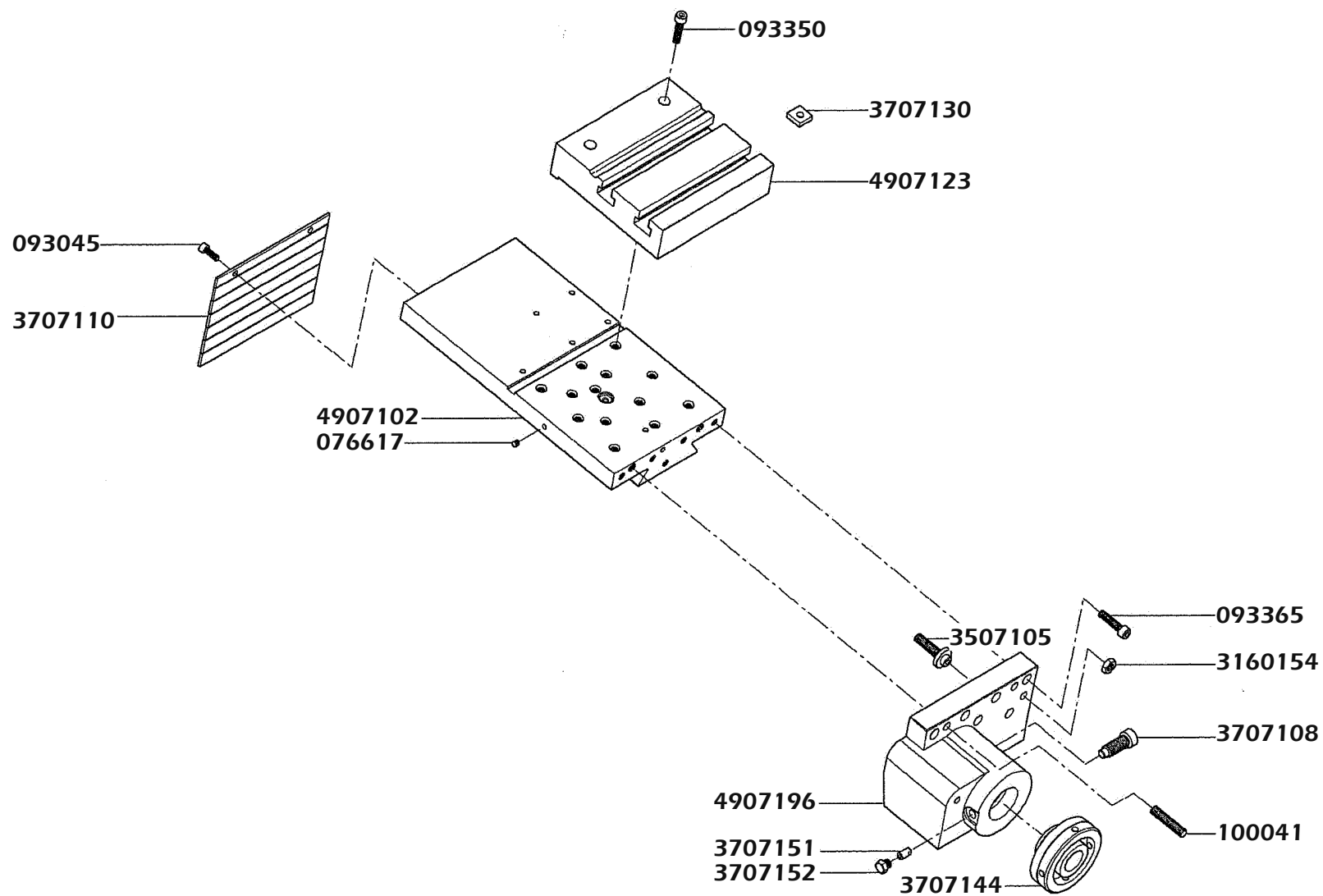
*Perno / rullo camme – Pin / cam roller

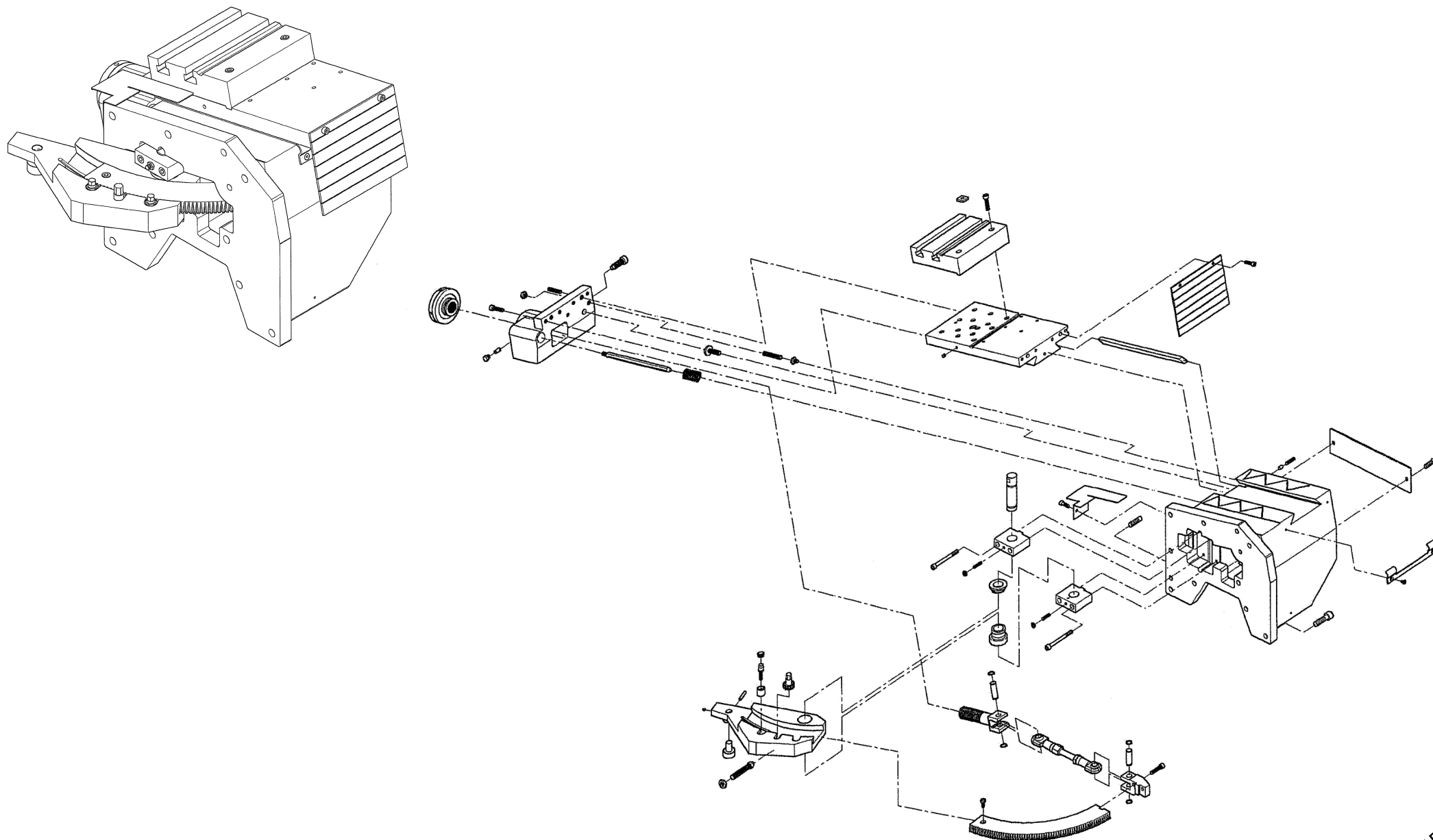
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3507127 	4907111 	066793 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Include Included

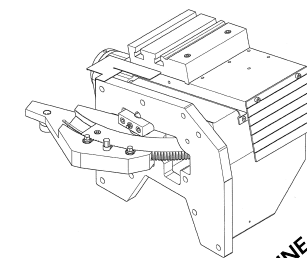
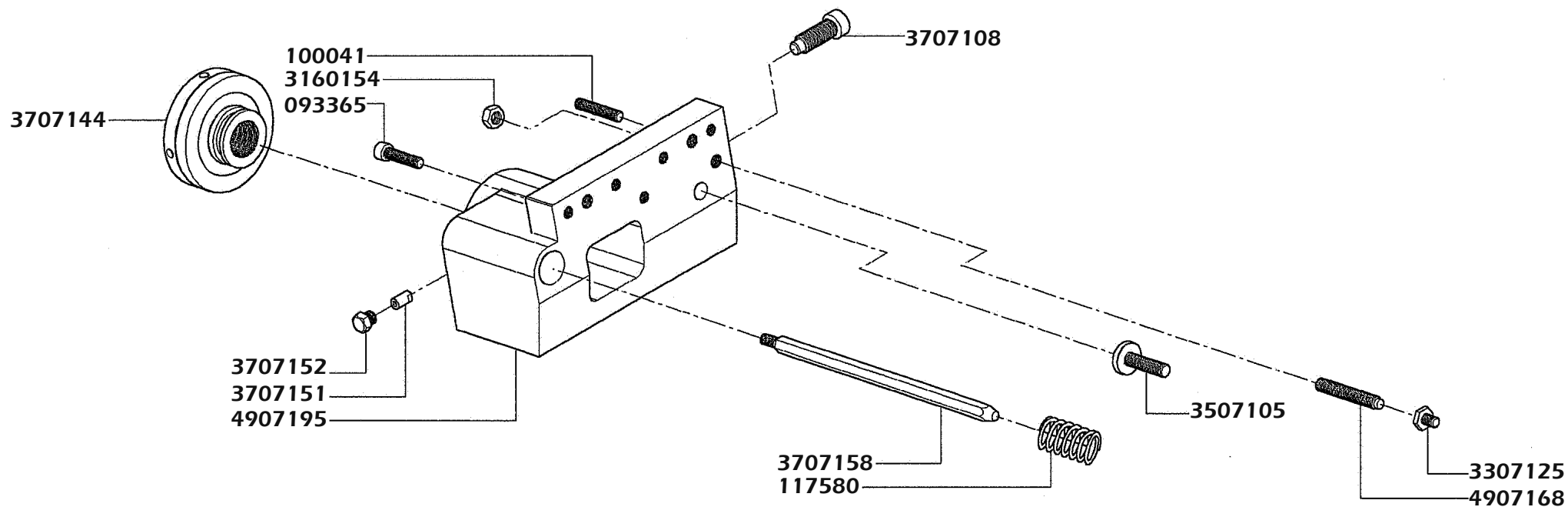


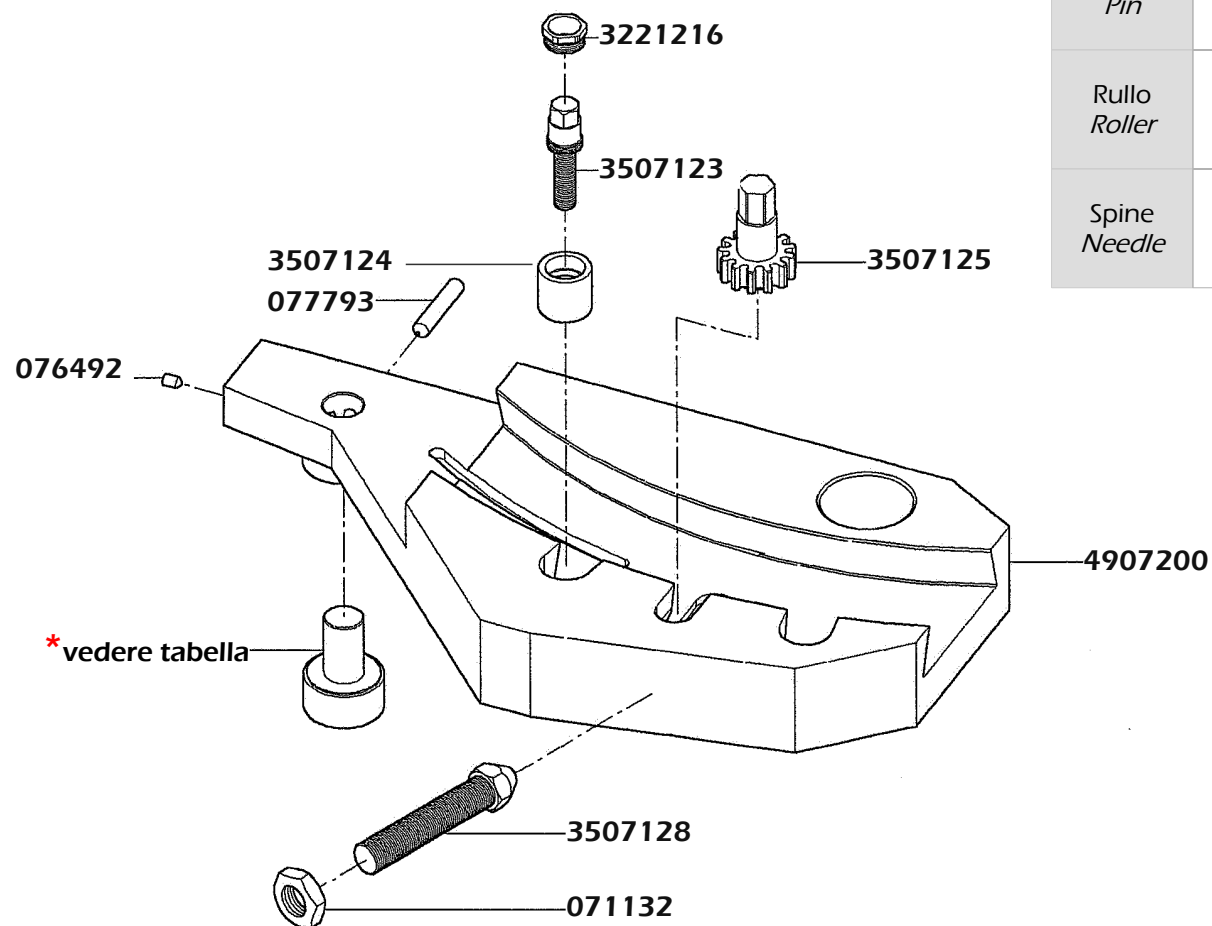






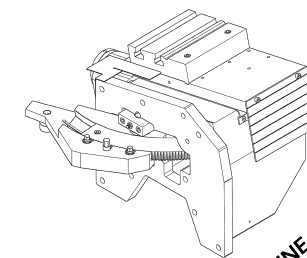


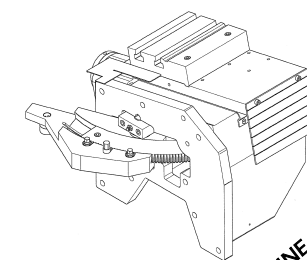
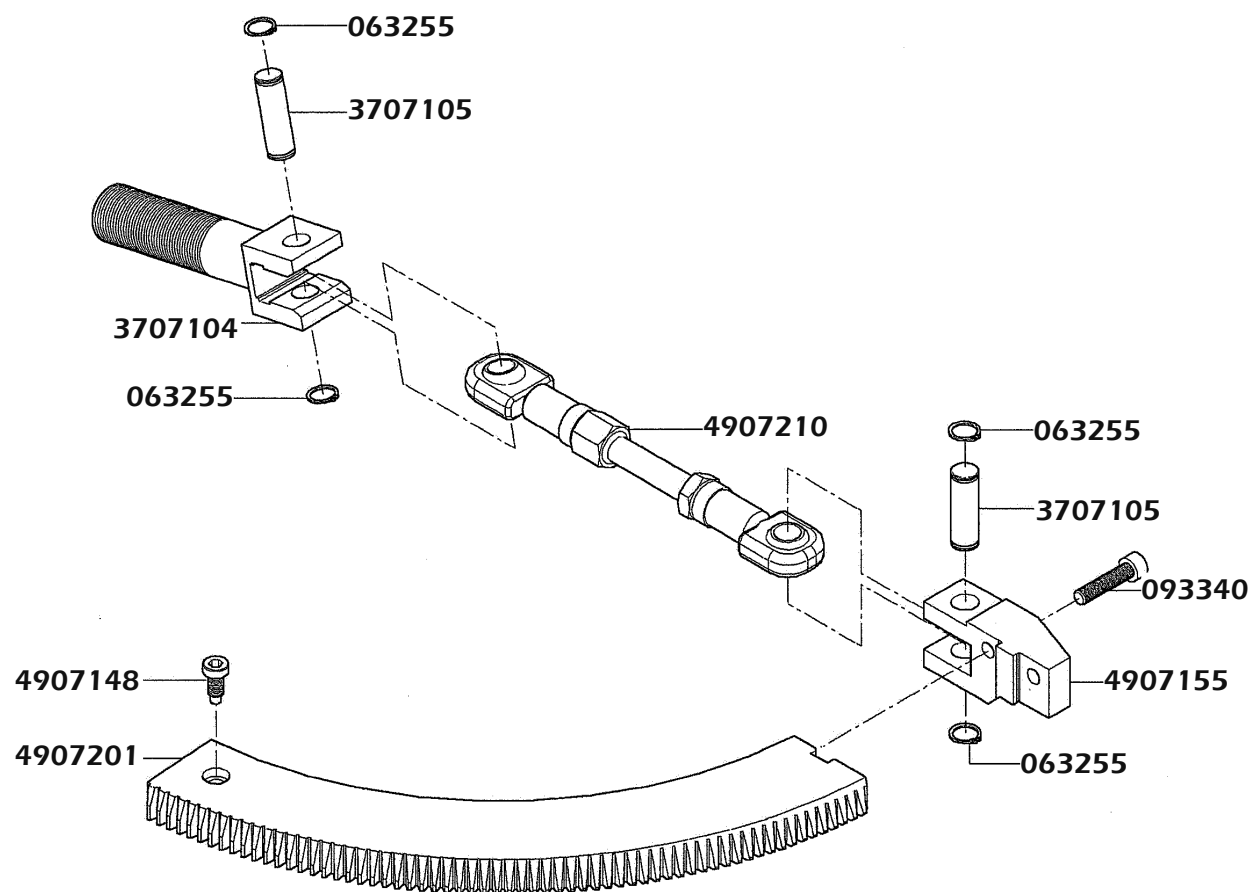


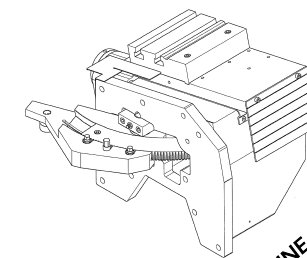
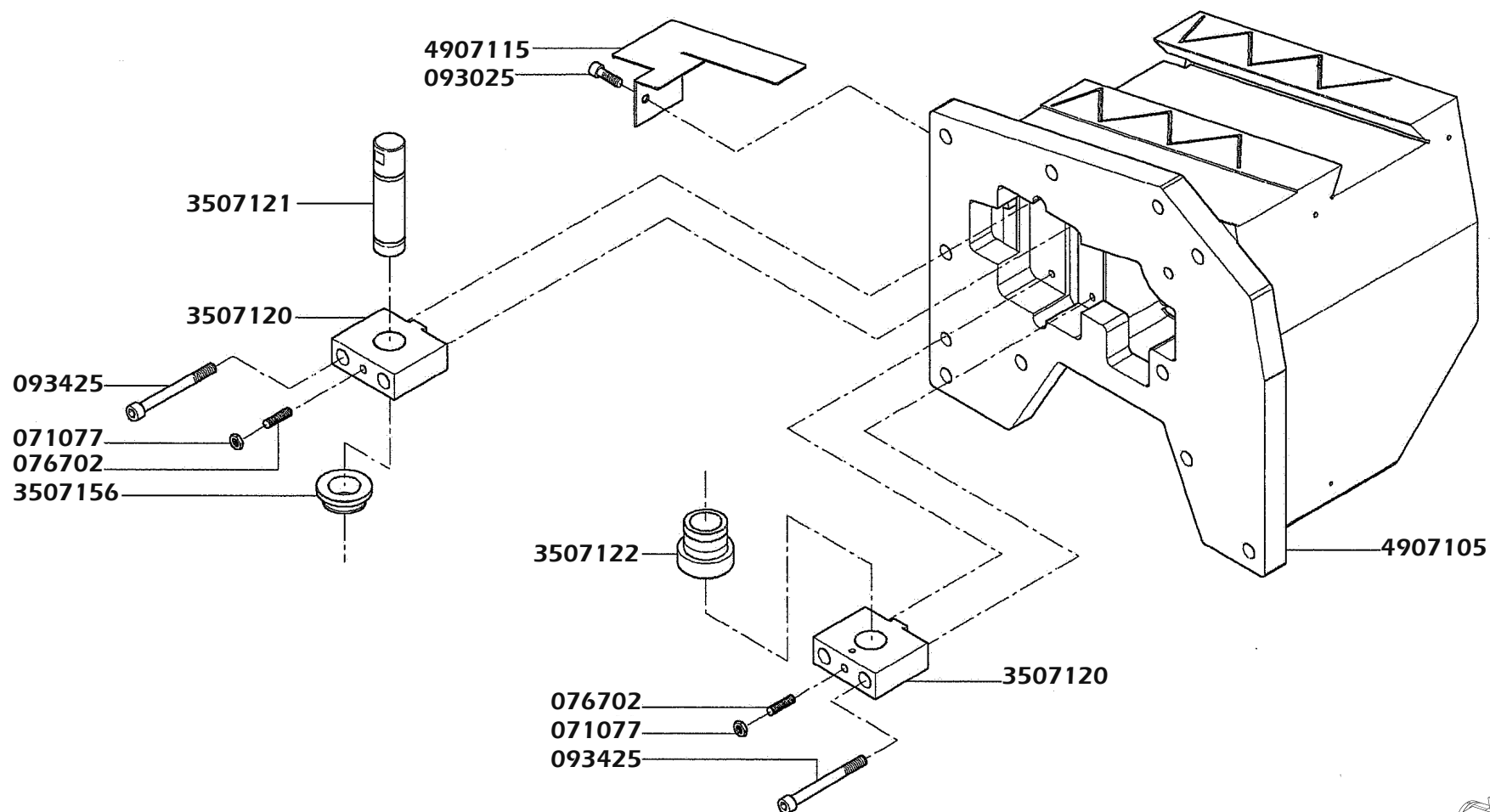


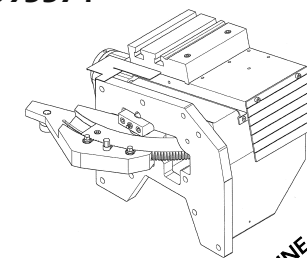
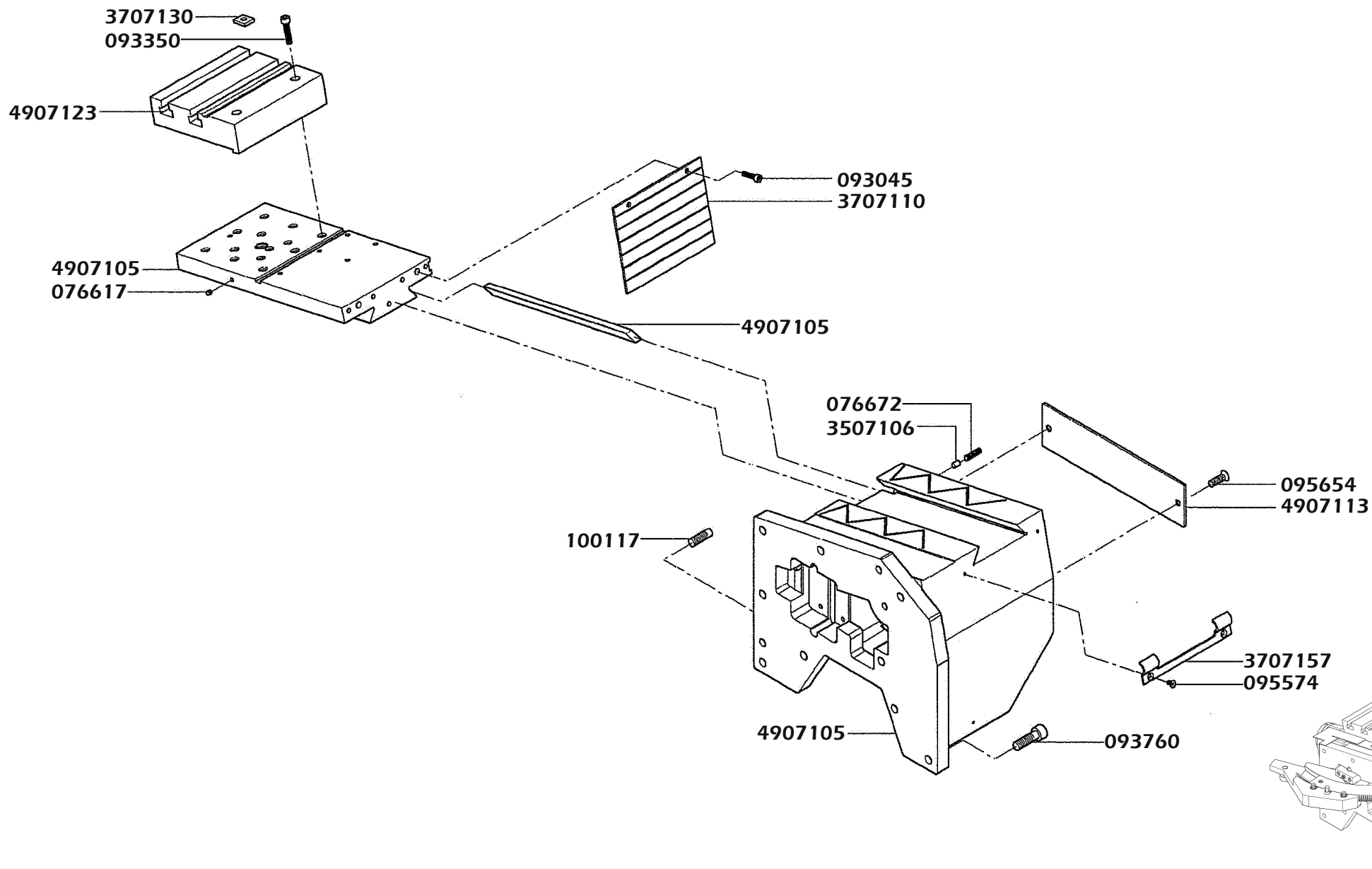
*Perno / rullo camme – Pin / cam roller

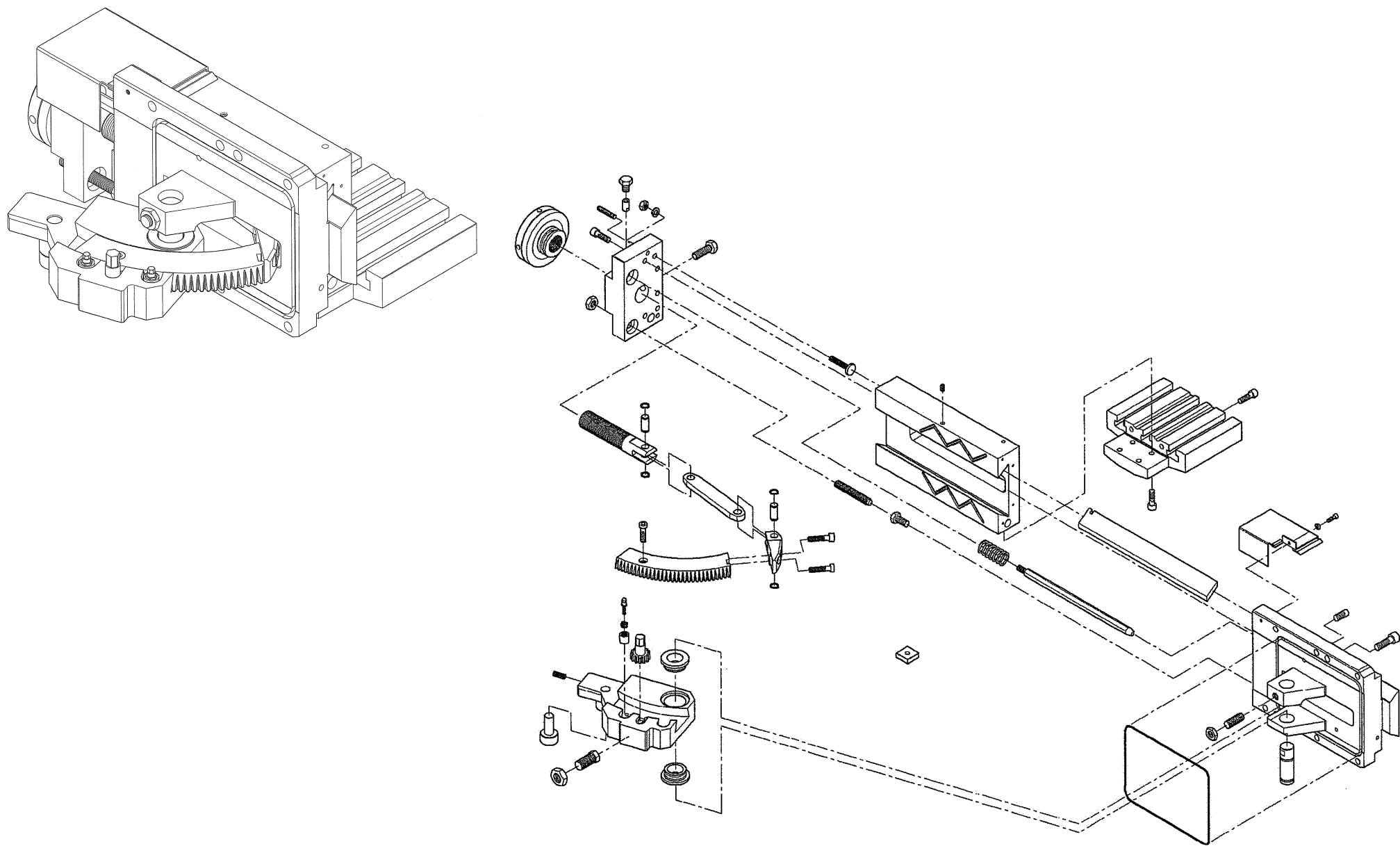
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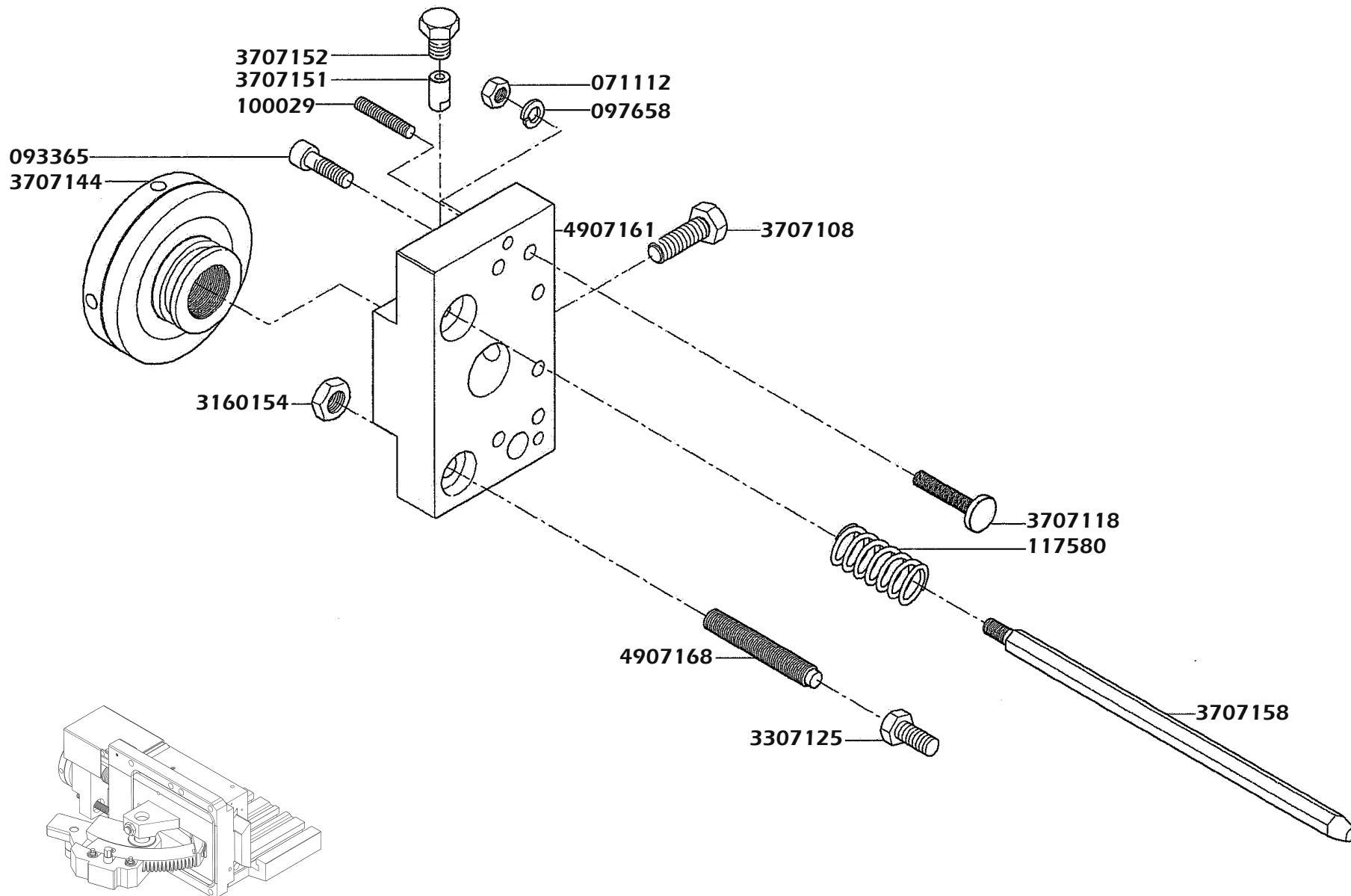


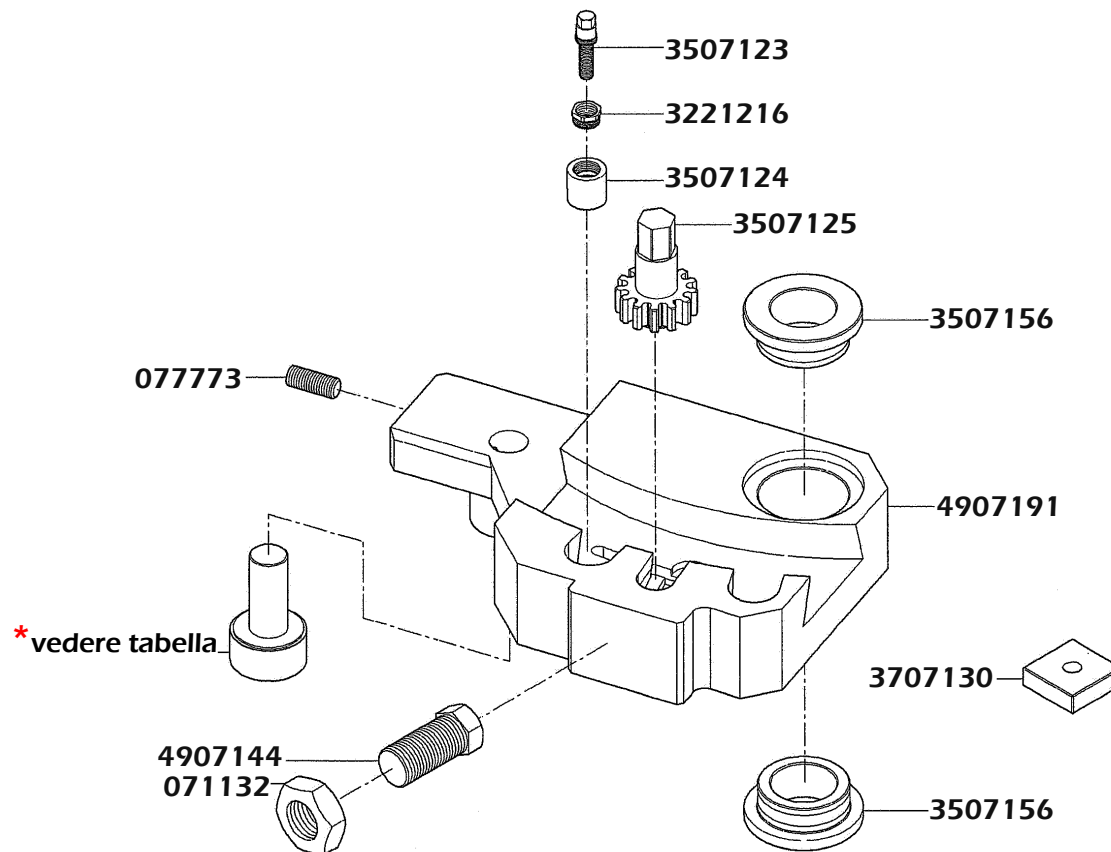






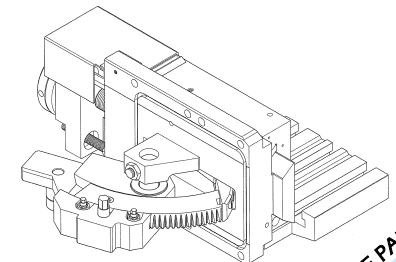


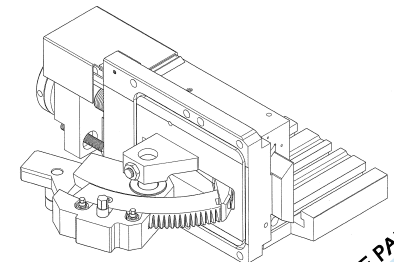
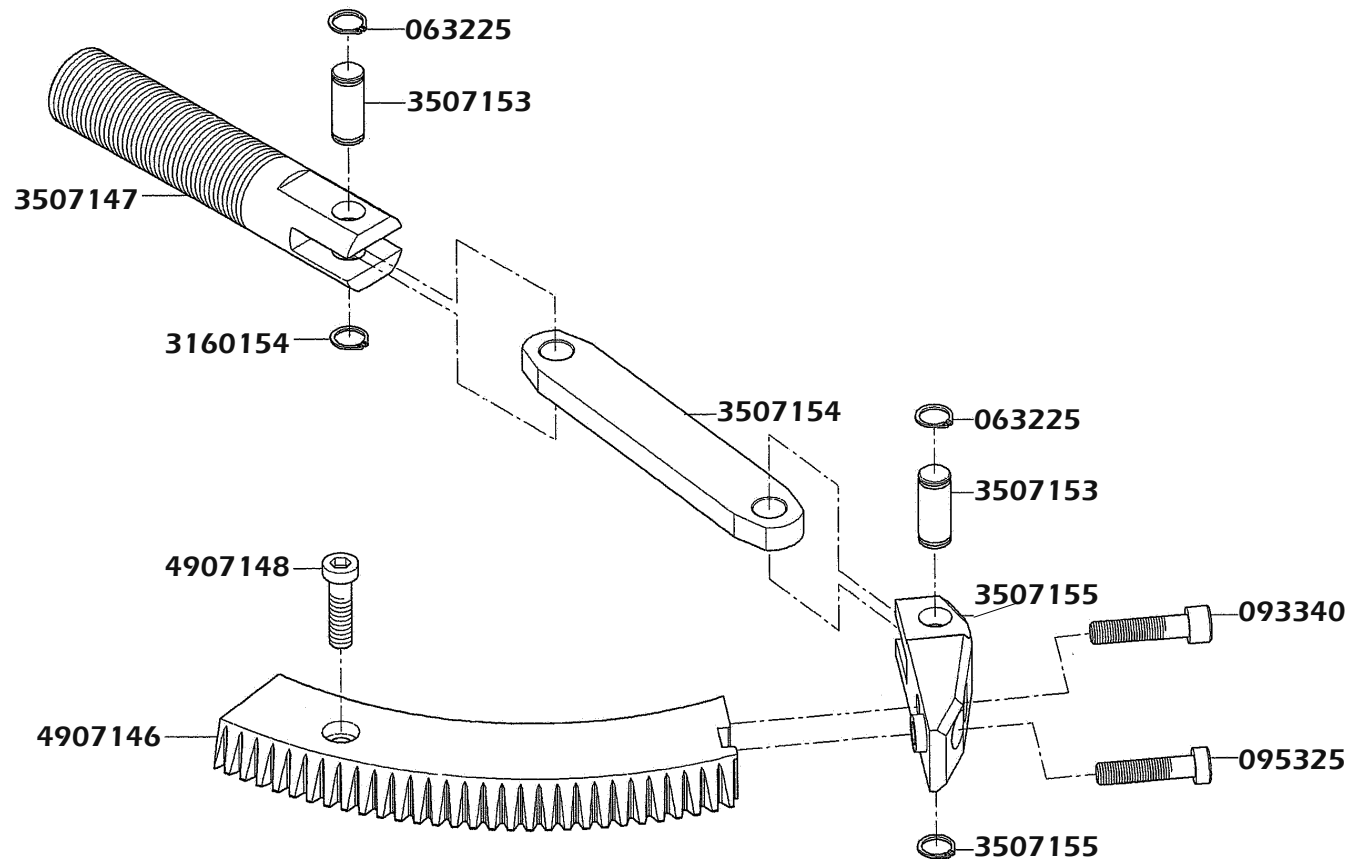


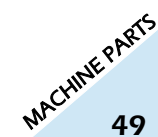


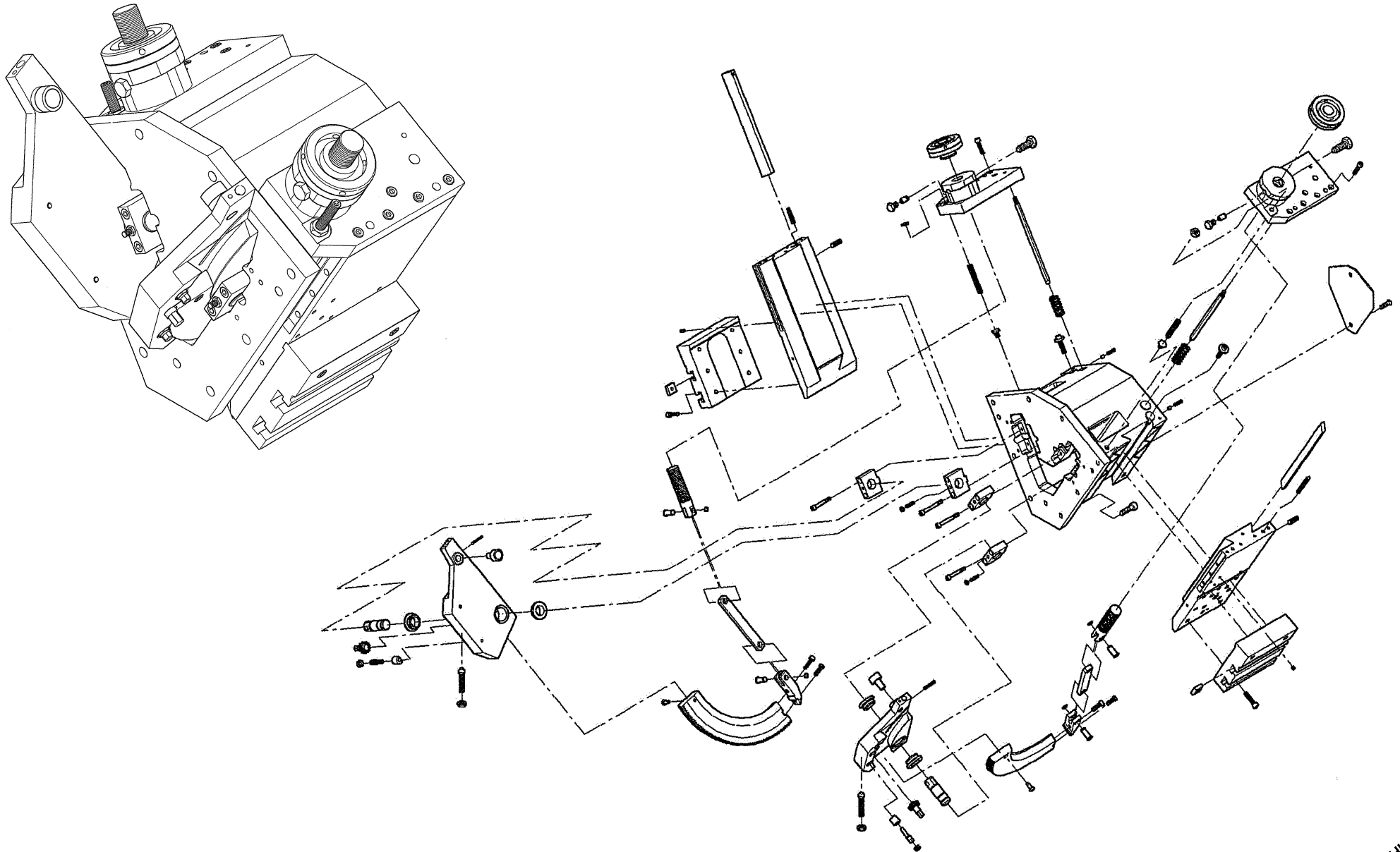
* Perno / rullo camme – Pin / cam roller

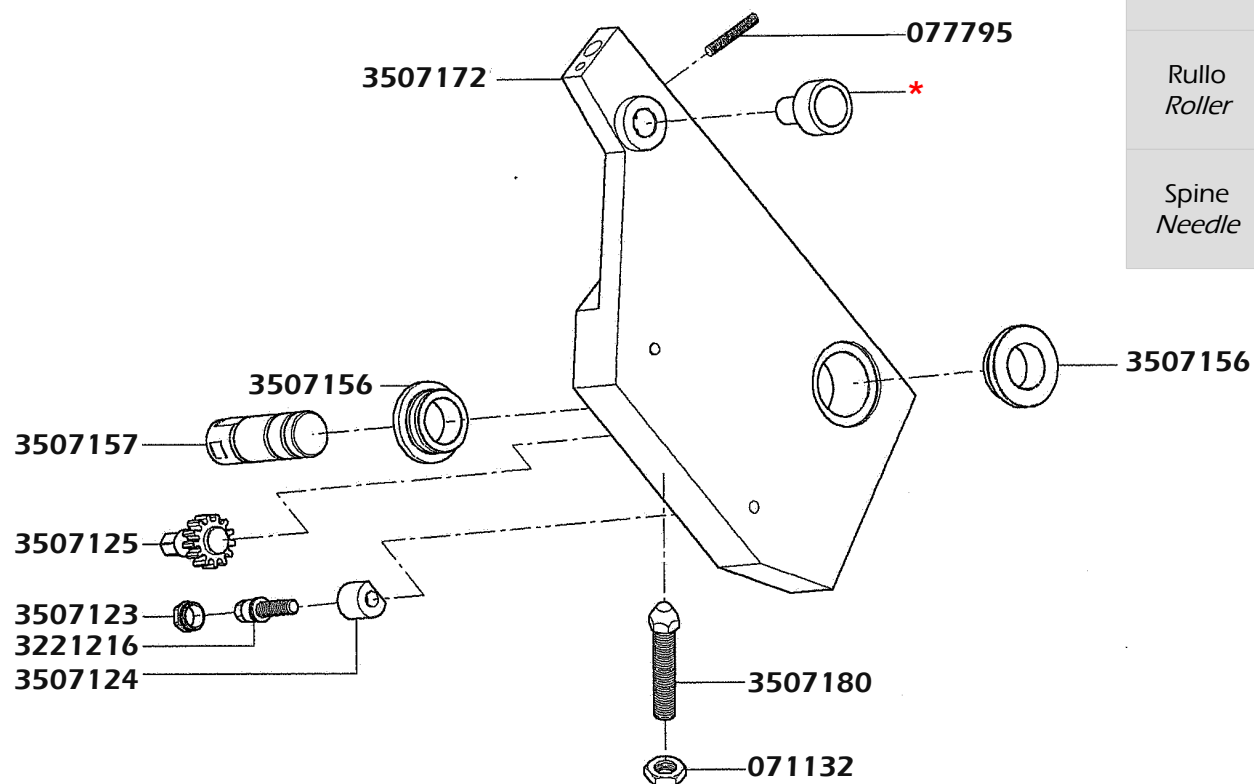
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3507127 	4907111 	066793 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Include Included





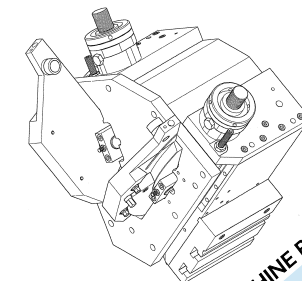


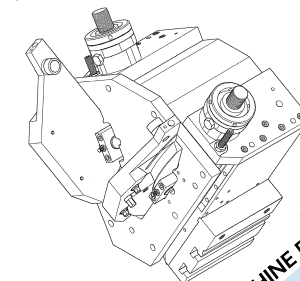
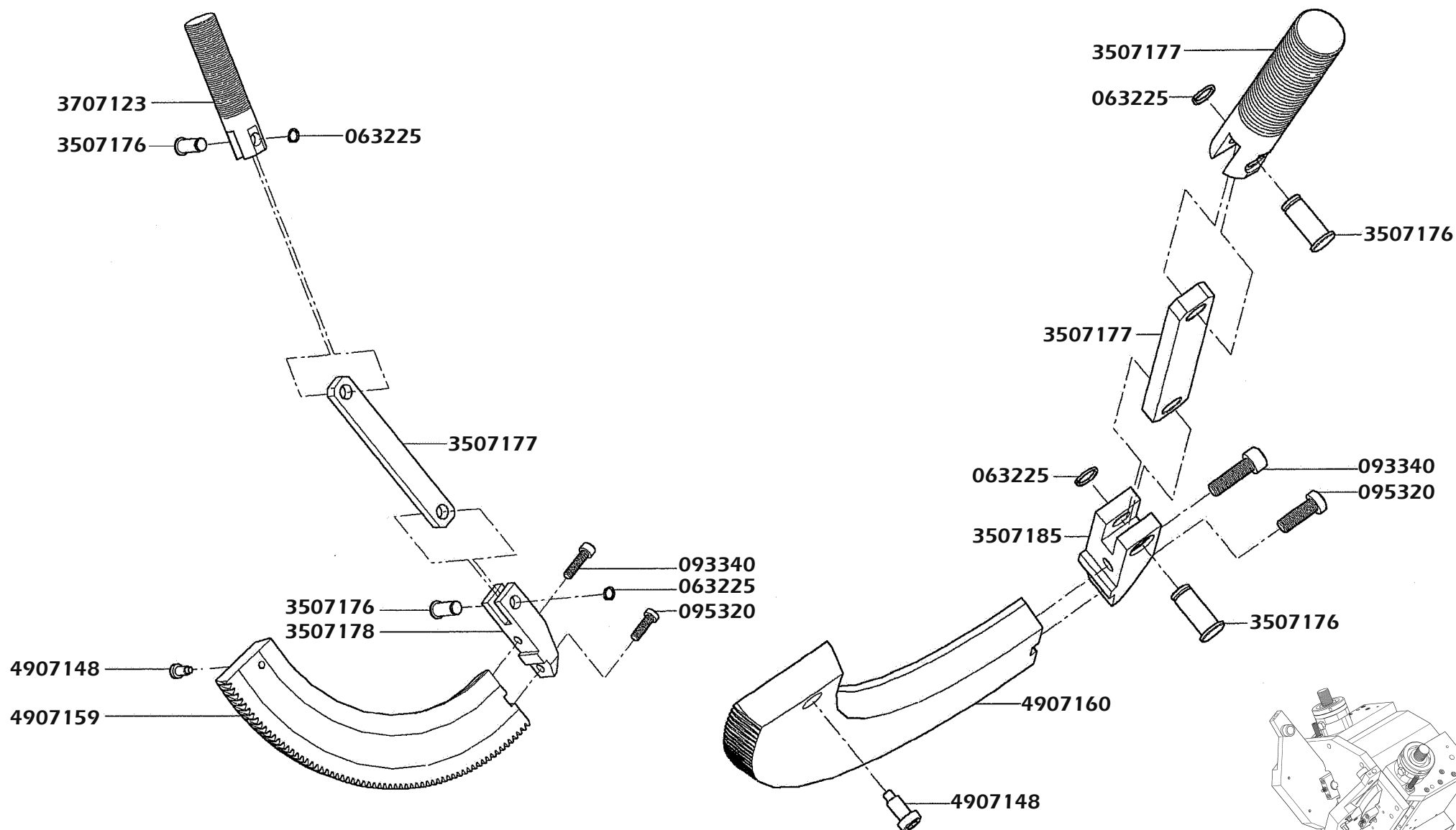


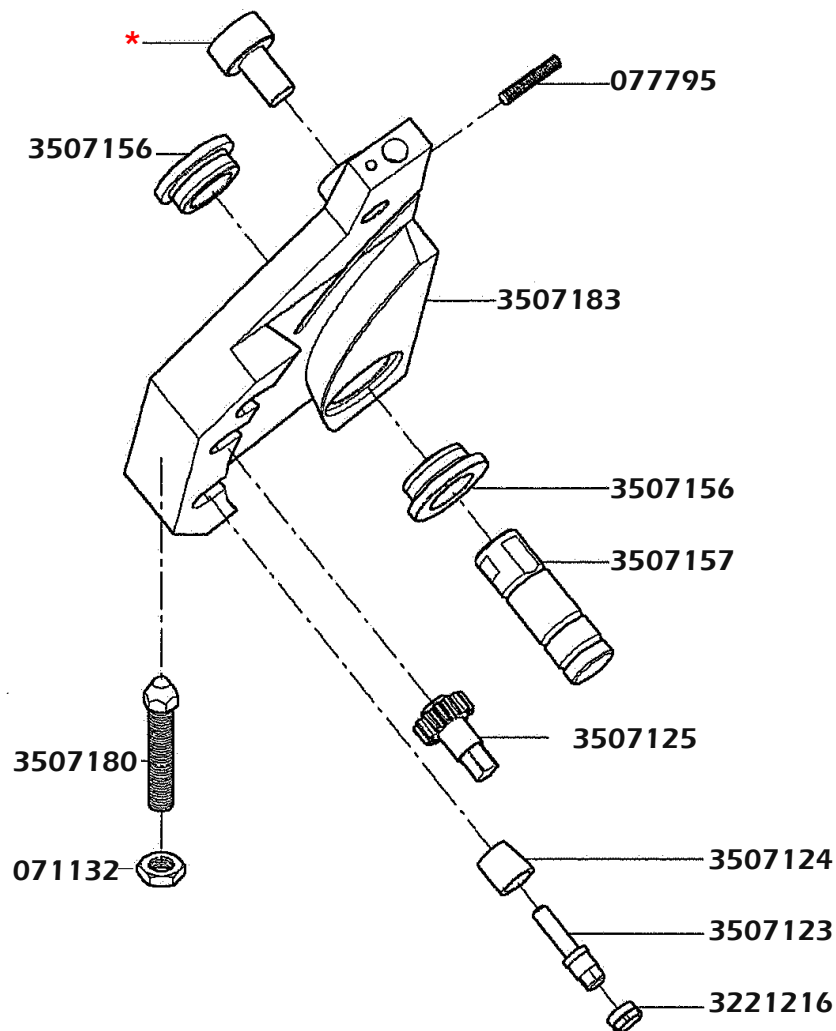


*Perno / rullo camme – Pin / cam roller

	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3507127	4907111	066793
Rullo Roller	3522116	4907112	
Spine Needle	Non necessario Not required	106440 (27x)	Include Included

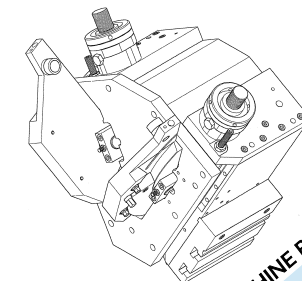


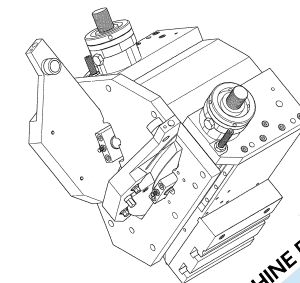
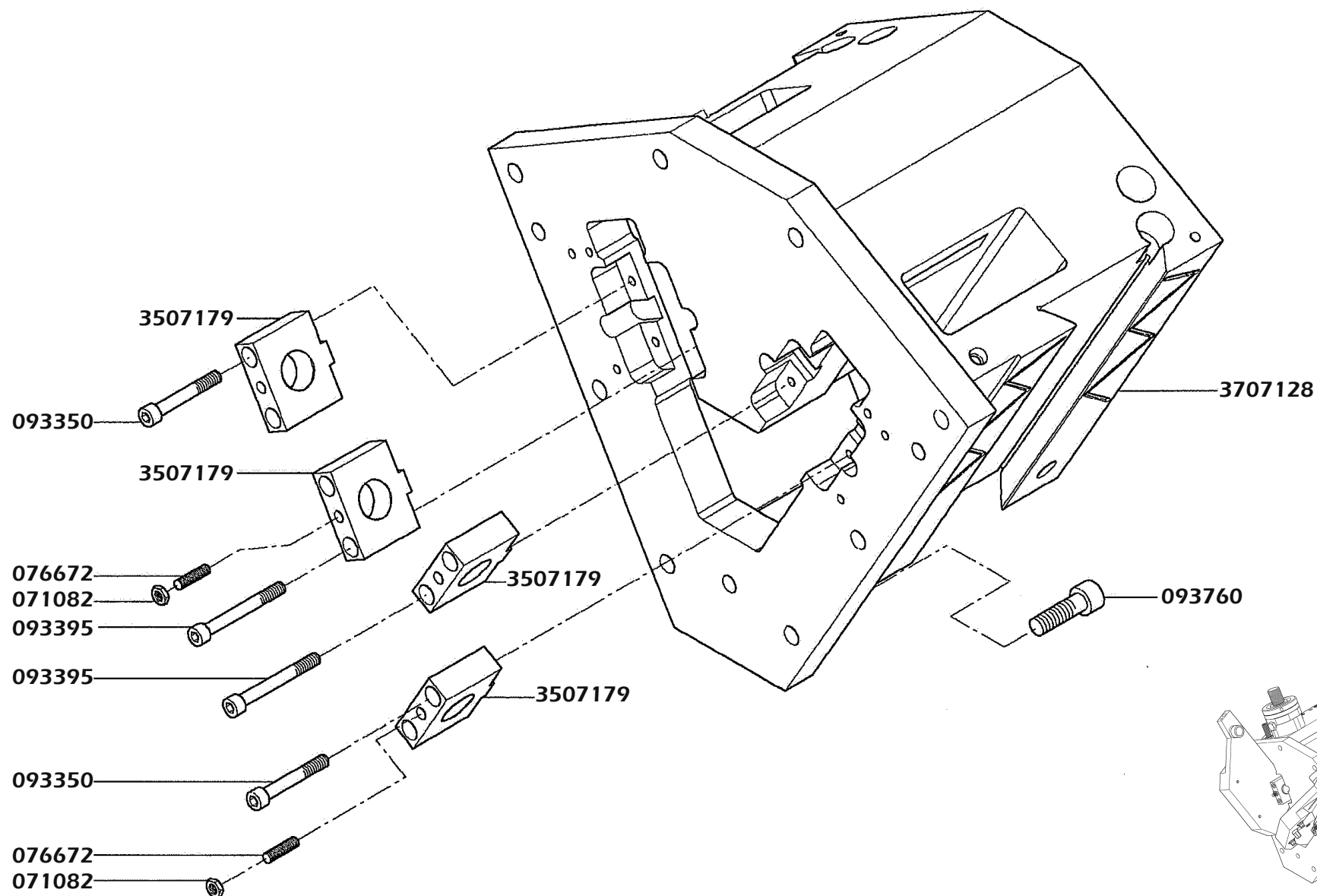


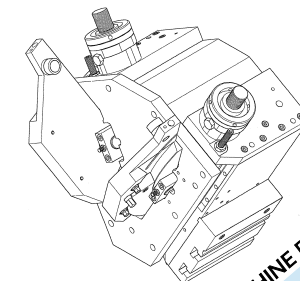
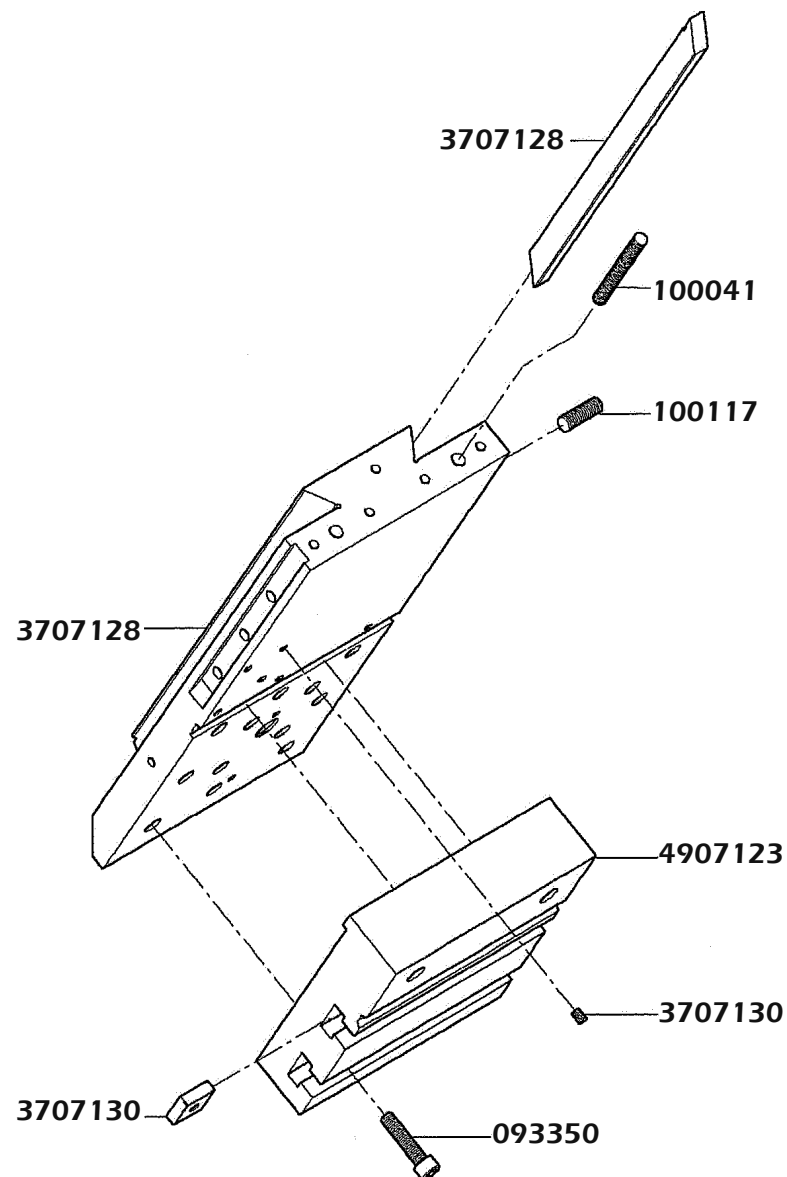
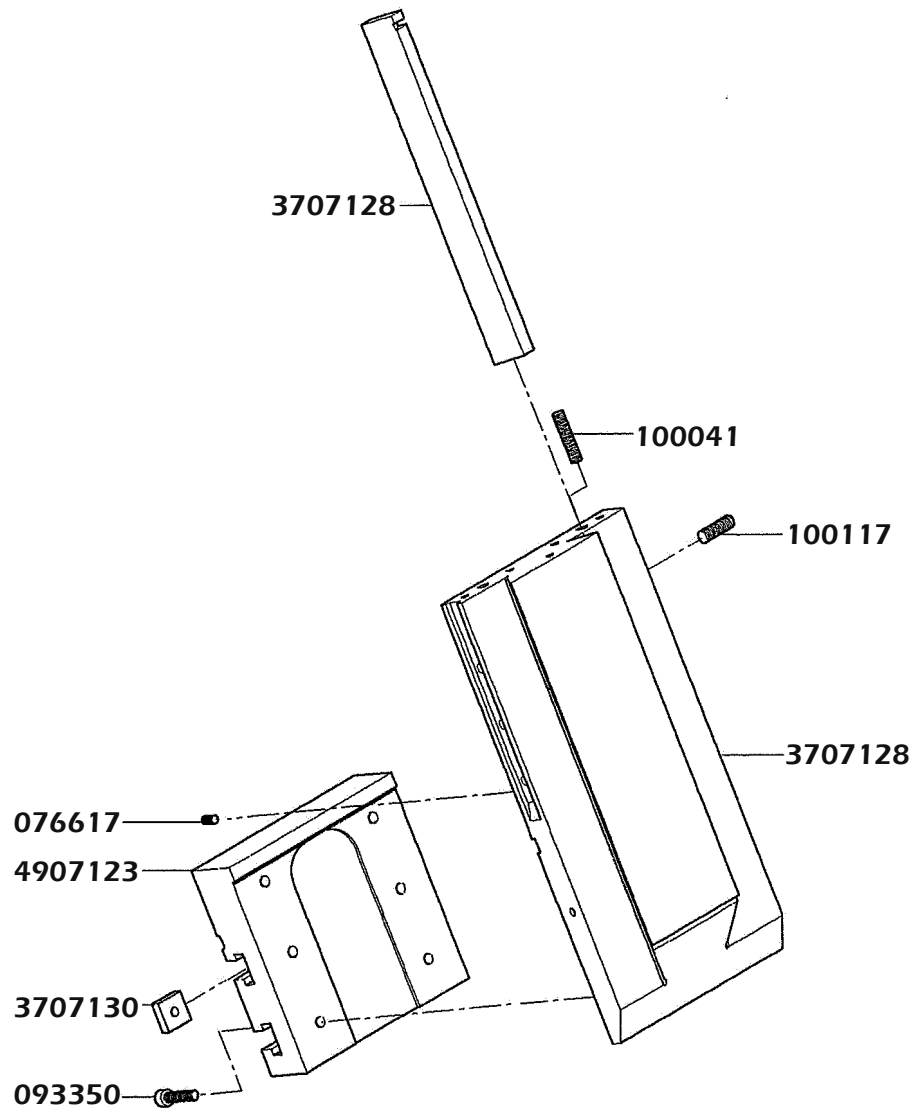


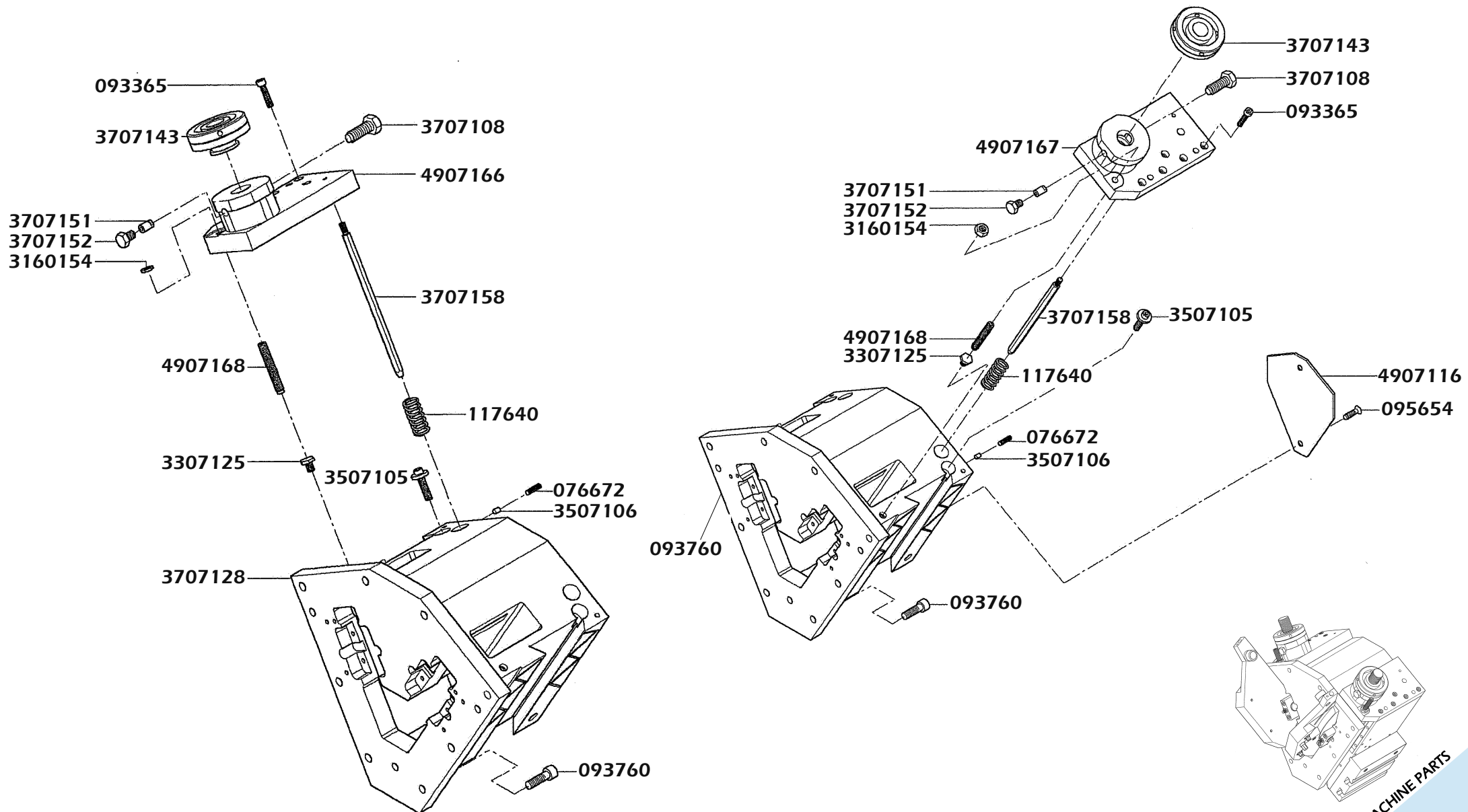
*Perno / rullo camme – Pin / cam roller

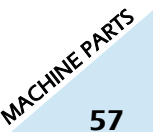
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3507127 	4907111 	066793 
Rullo Roller	3522116 	4907112 	
Spine Plug	Non necessario Not required	106440 (27x) 	Include Included

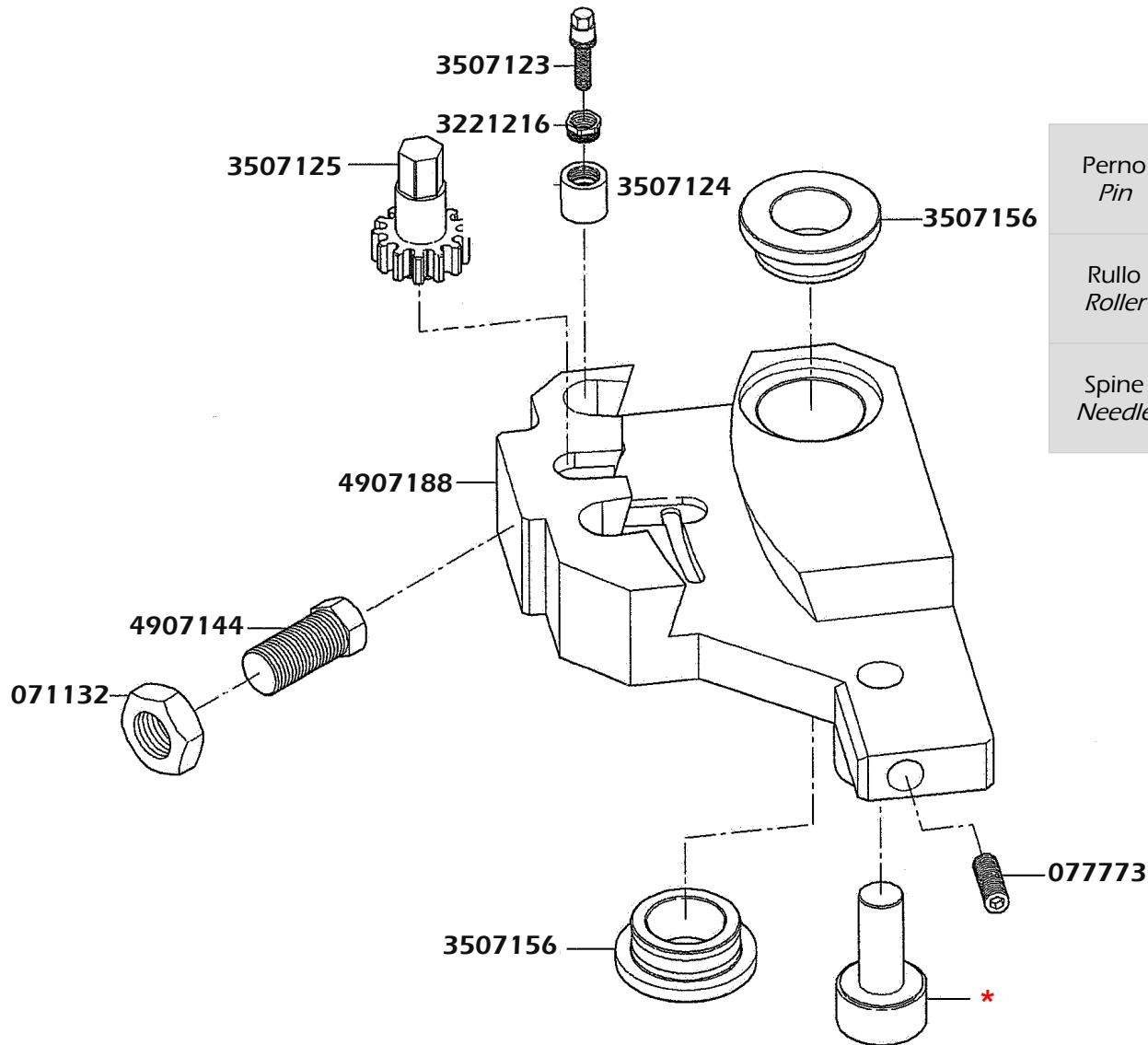






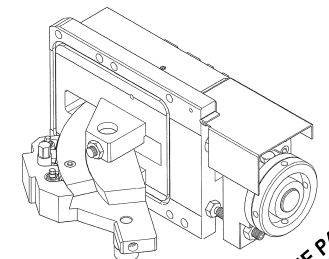


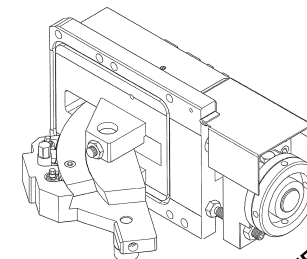
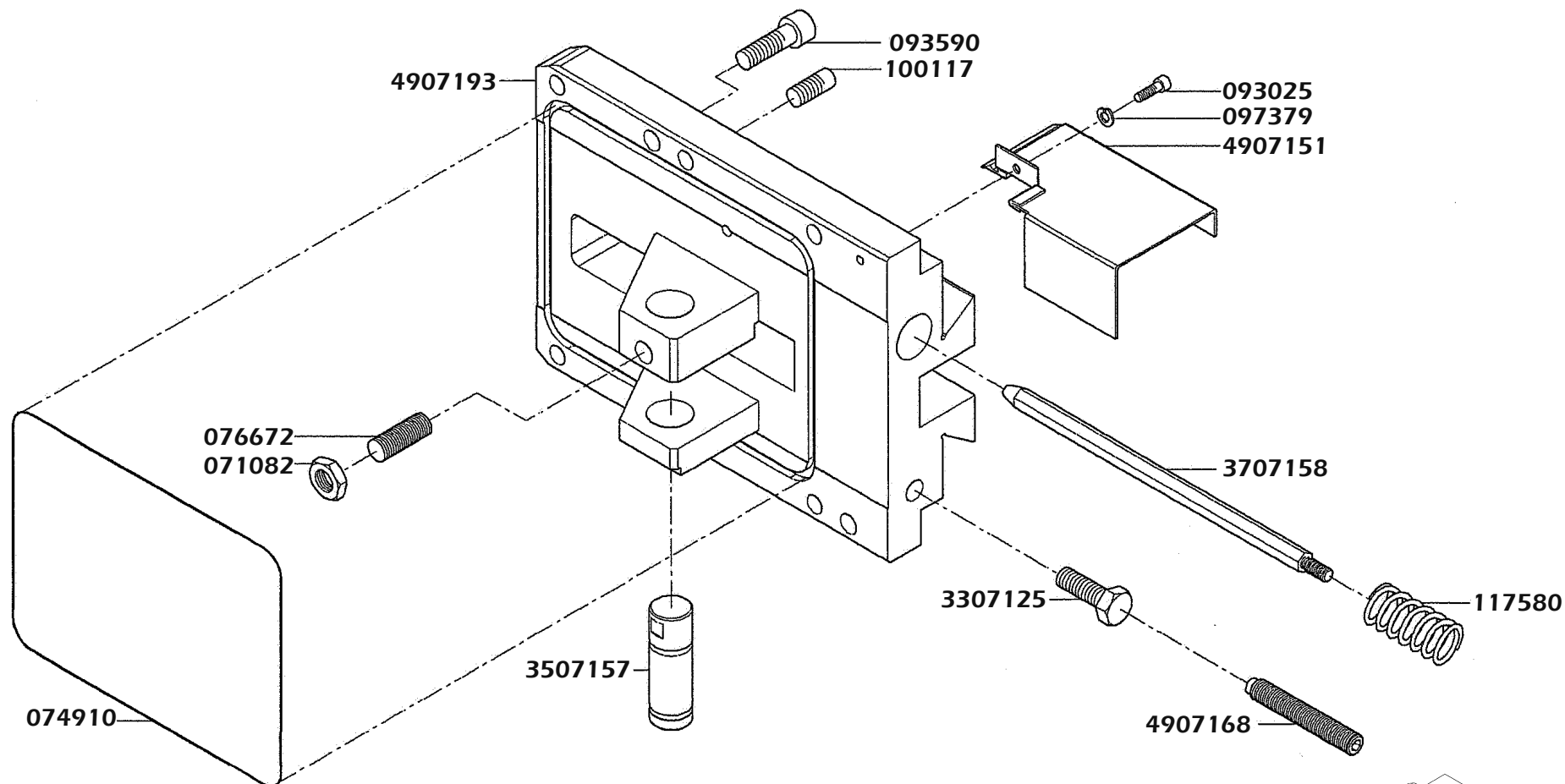


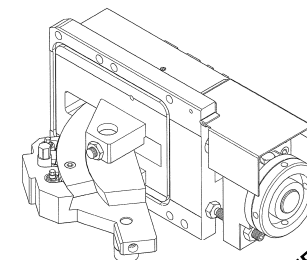
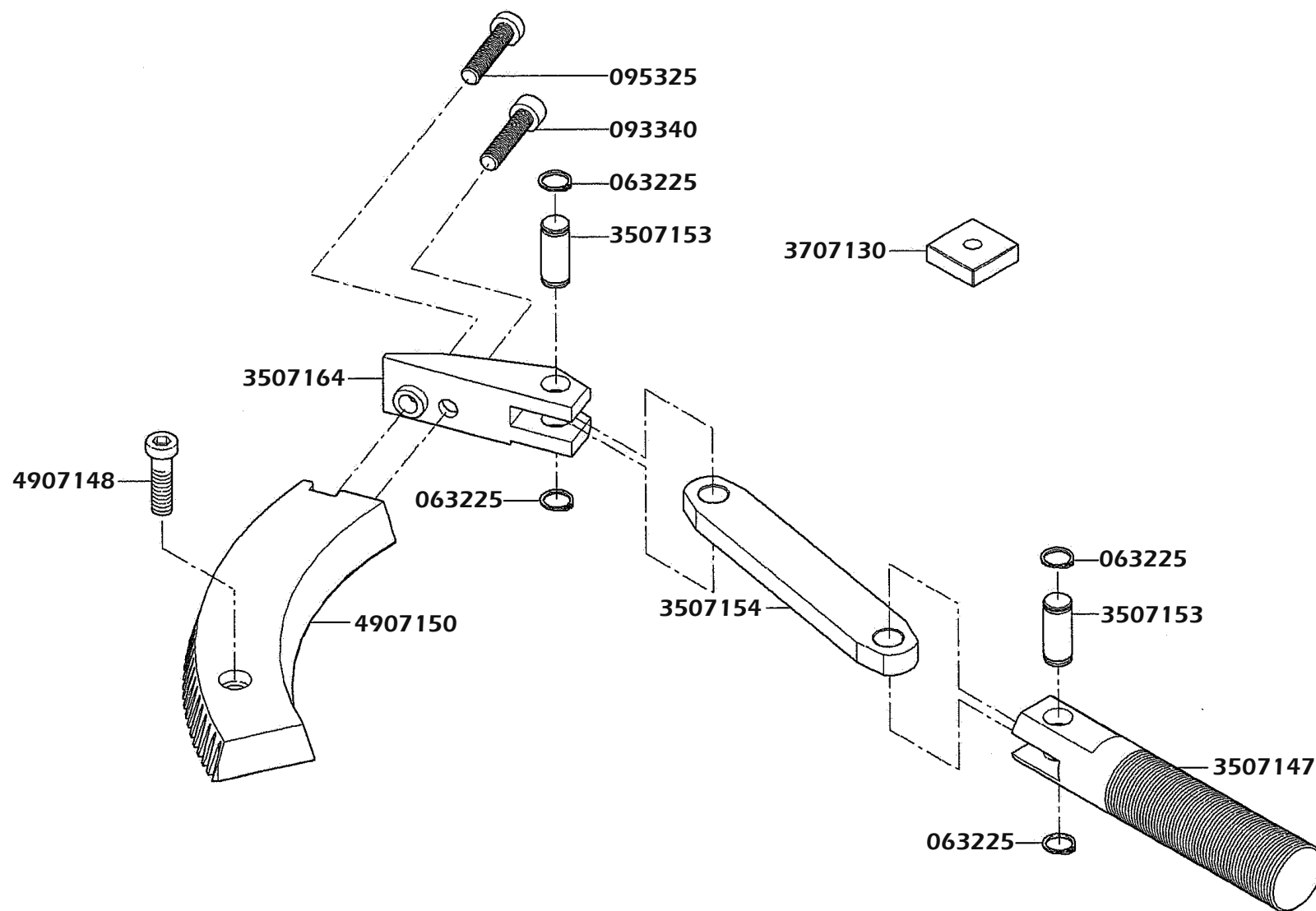


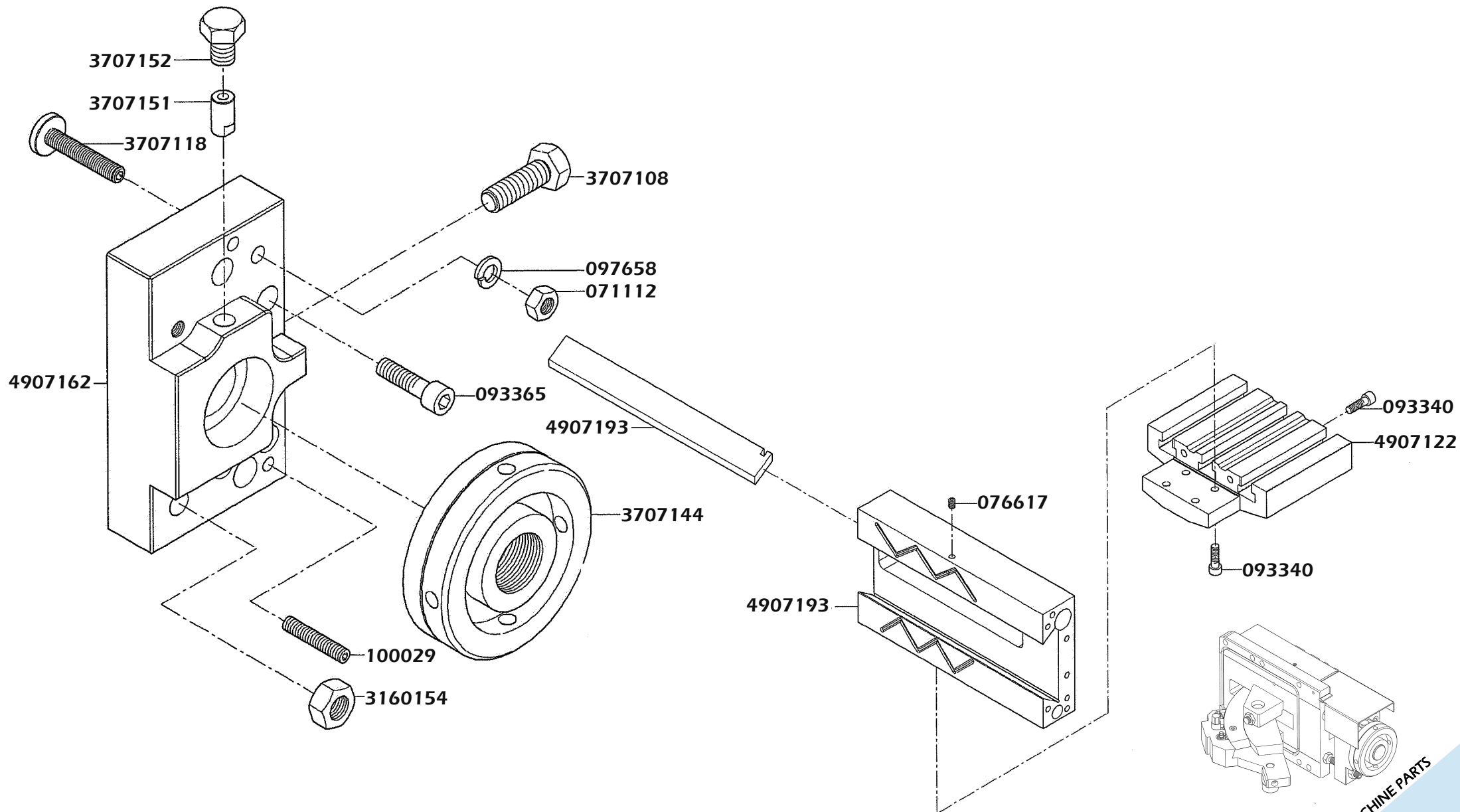
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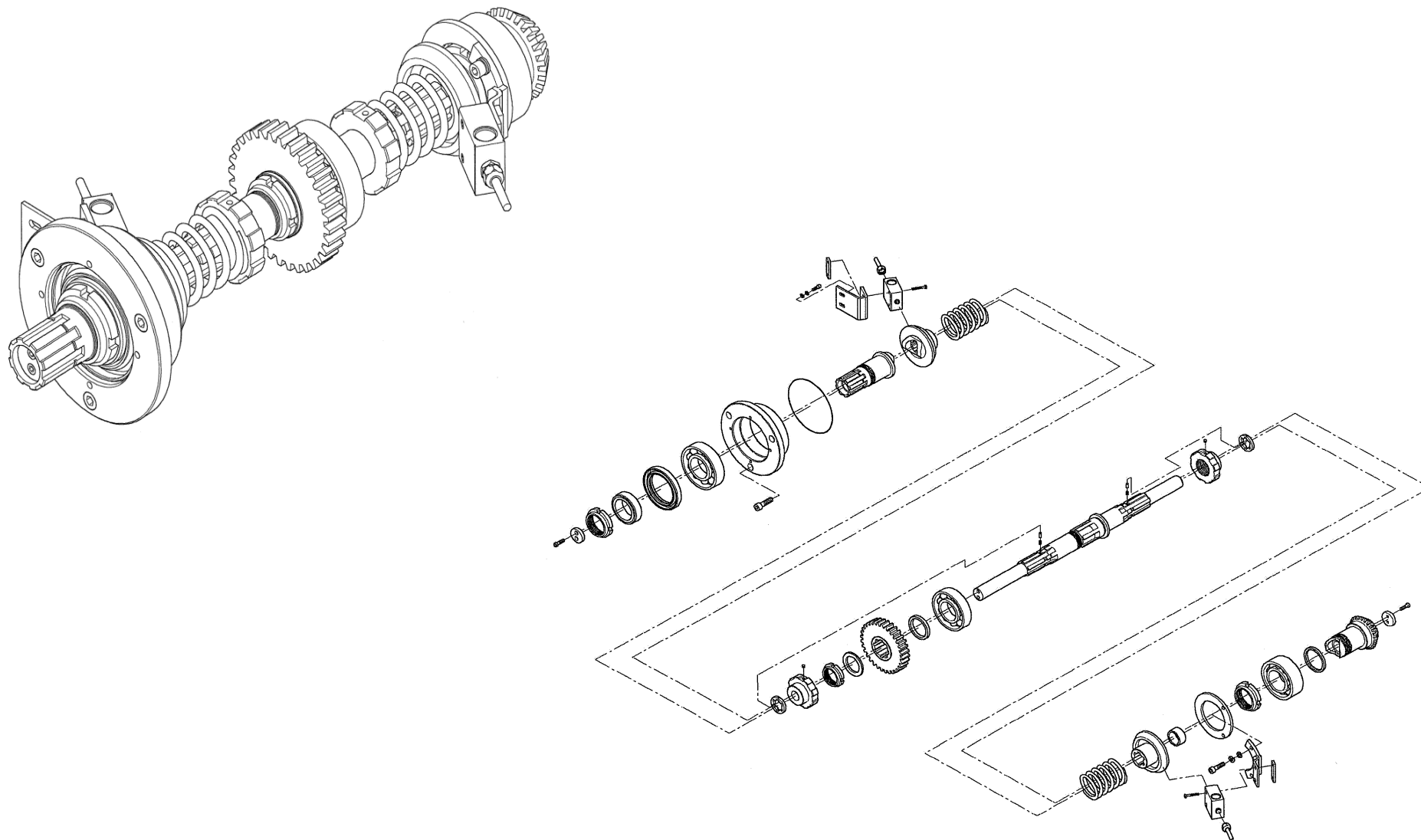
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3507127 	4907111 	066793 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Include Included

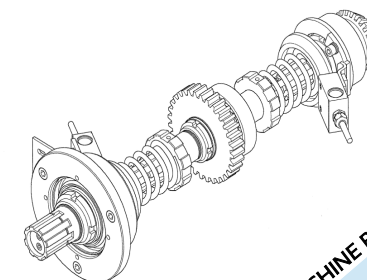
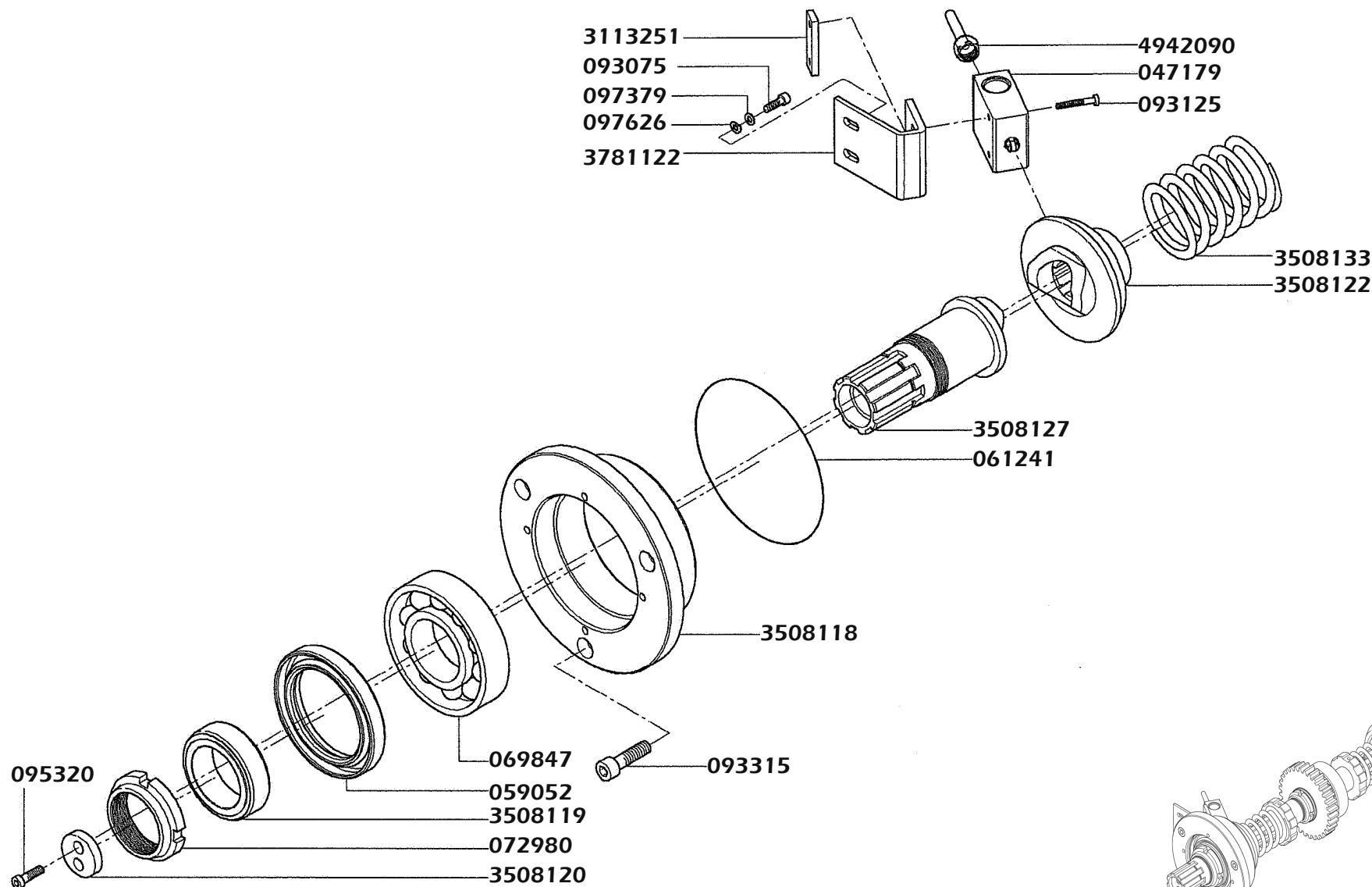


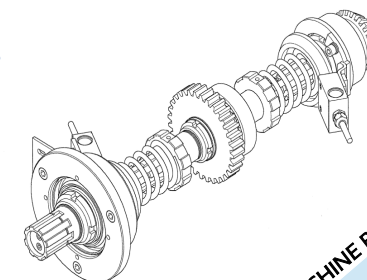
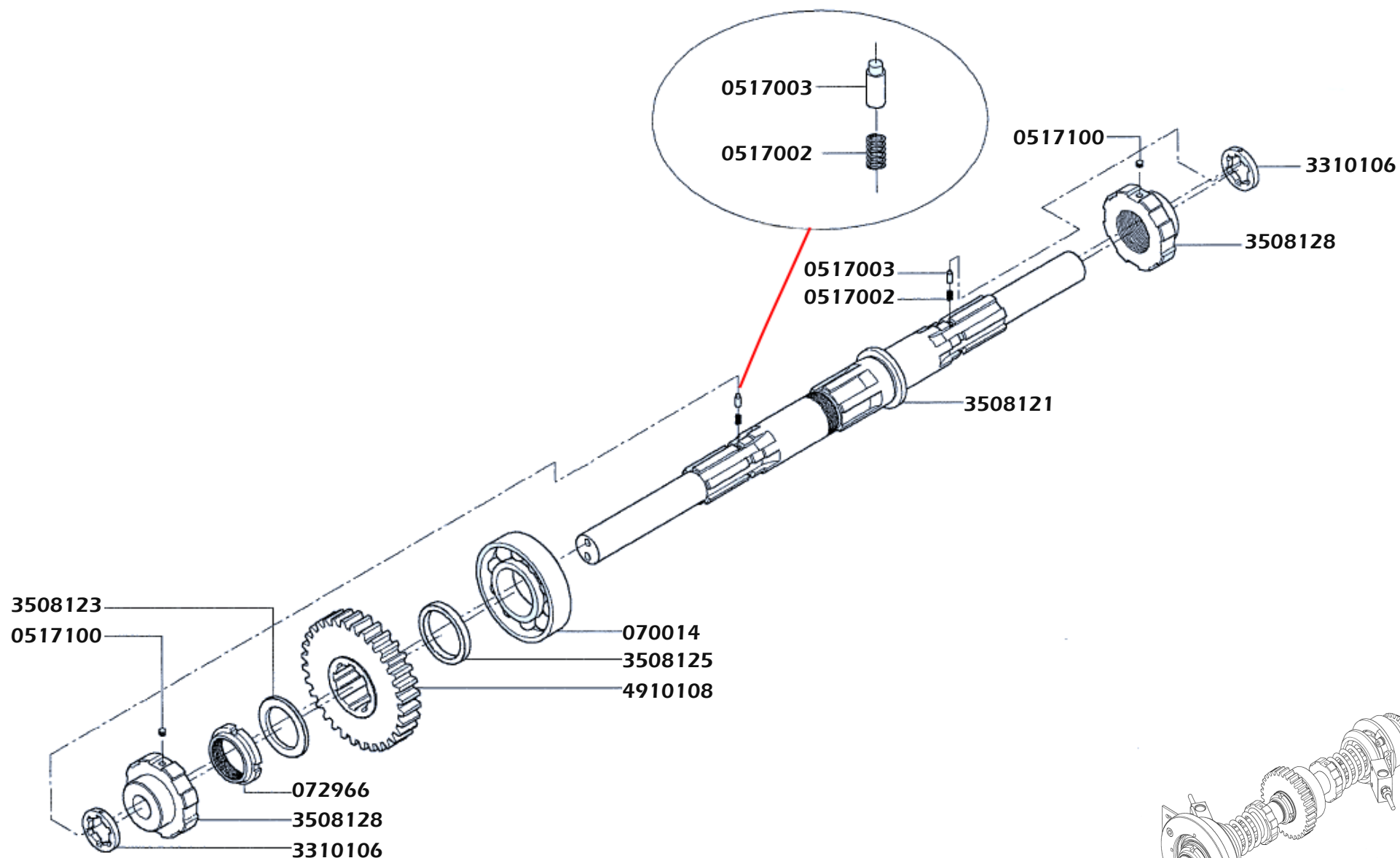


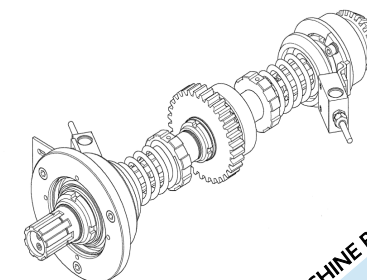
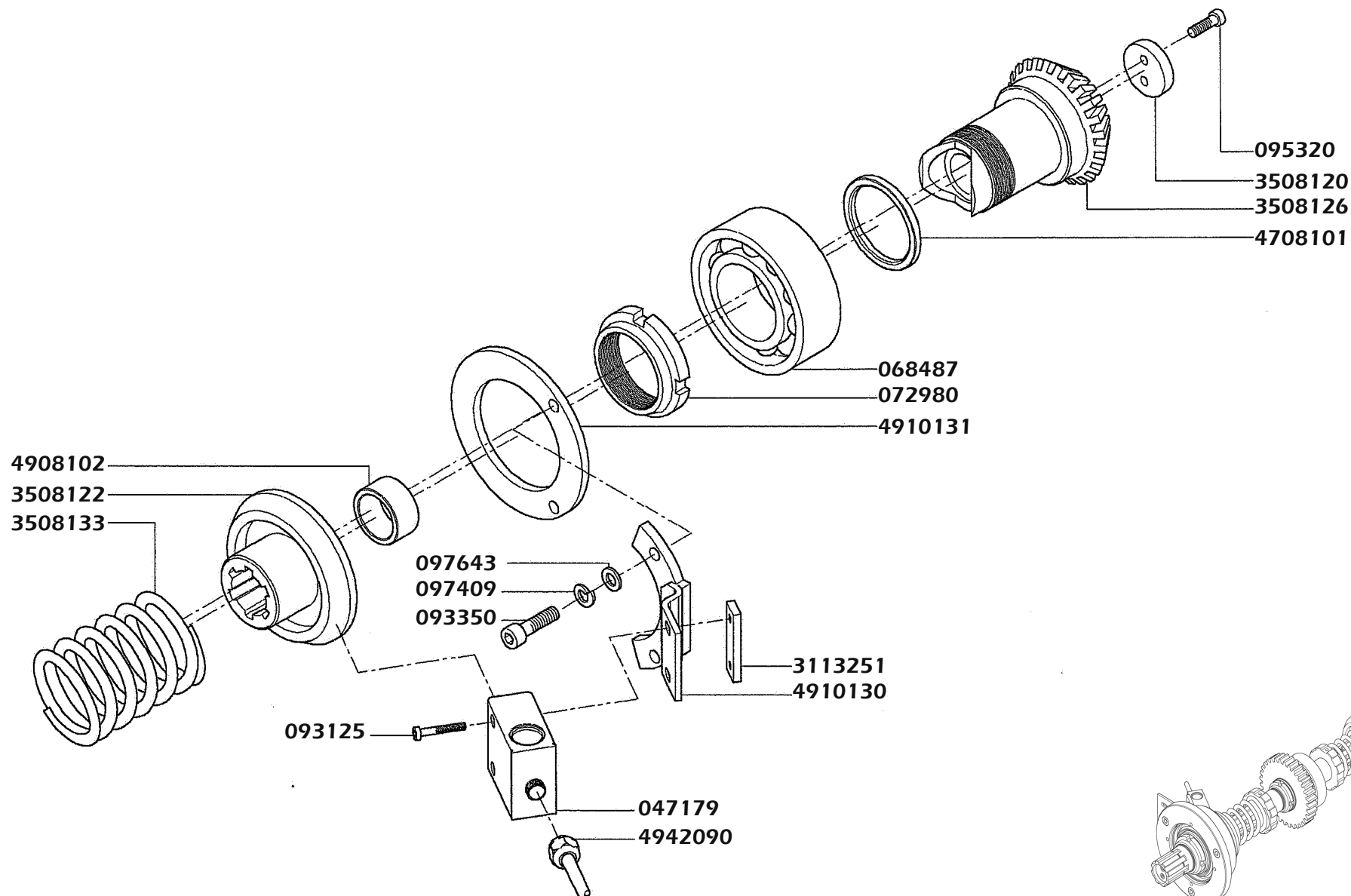


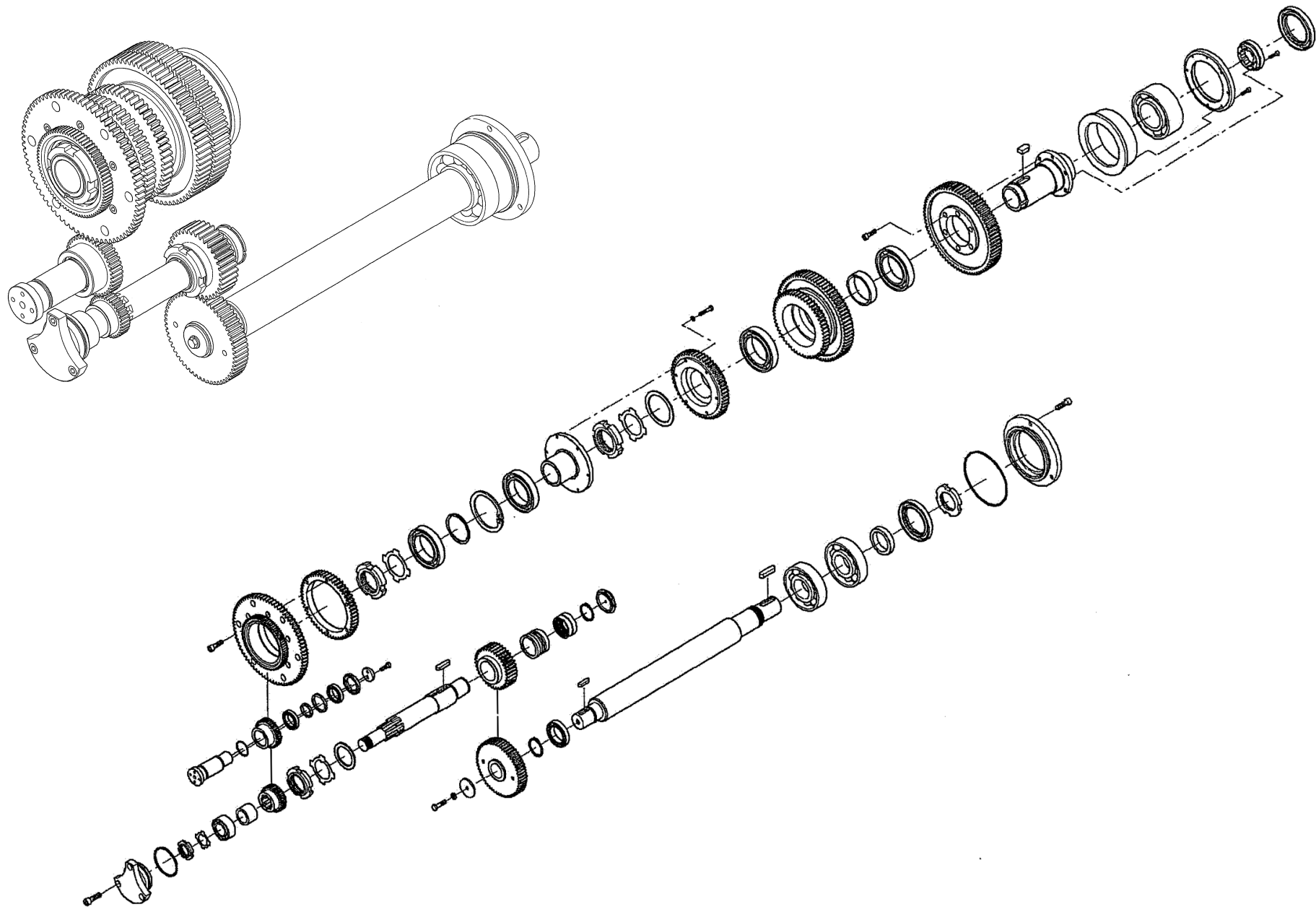


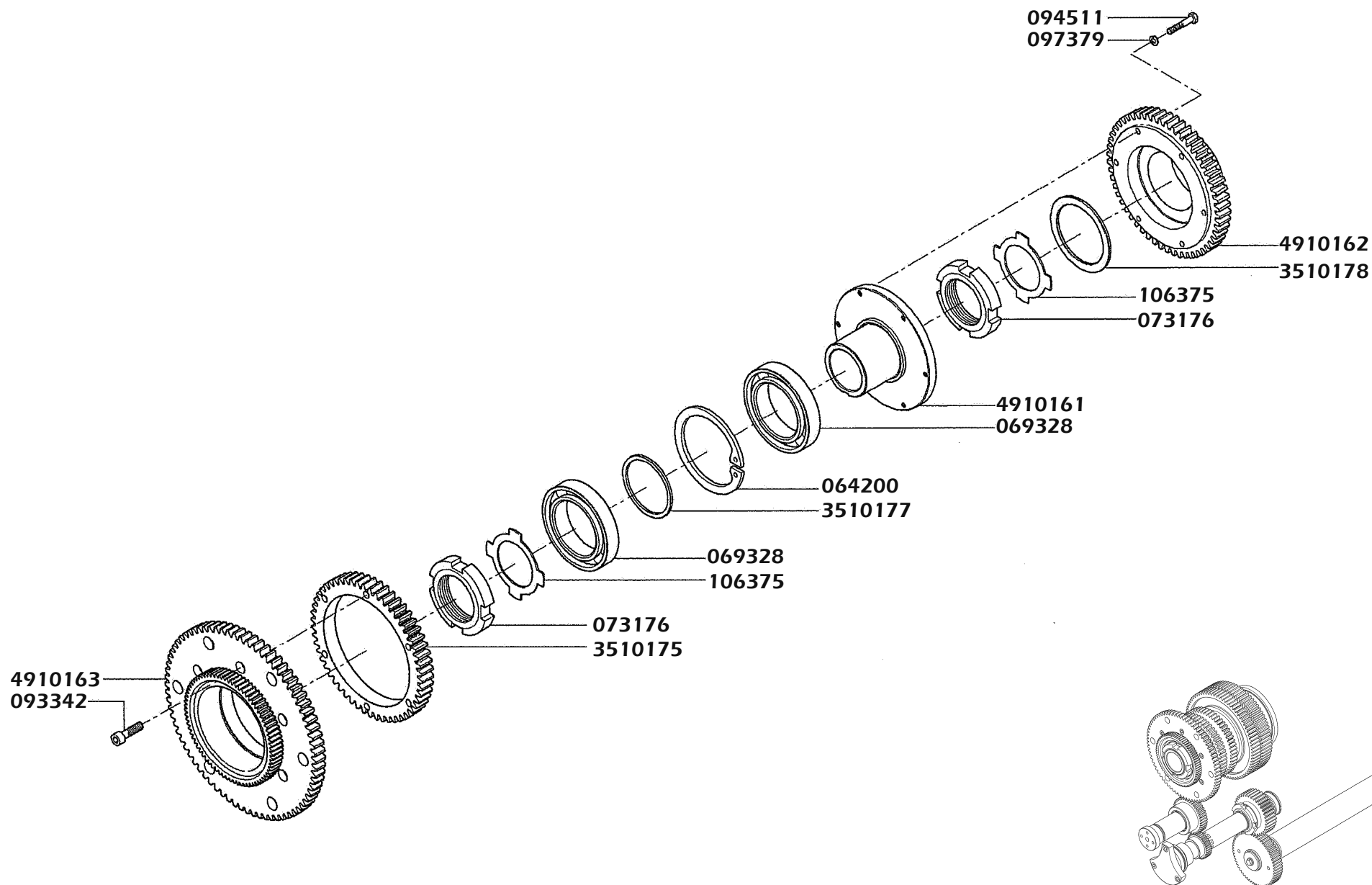


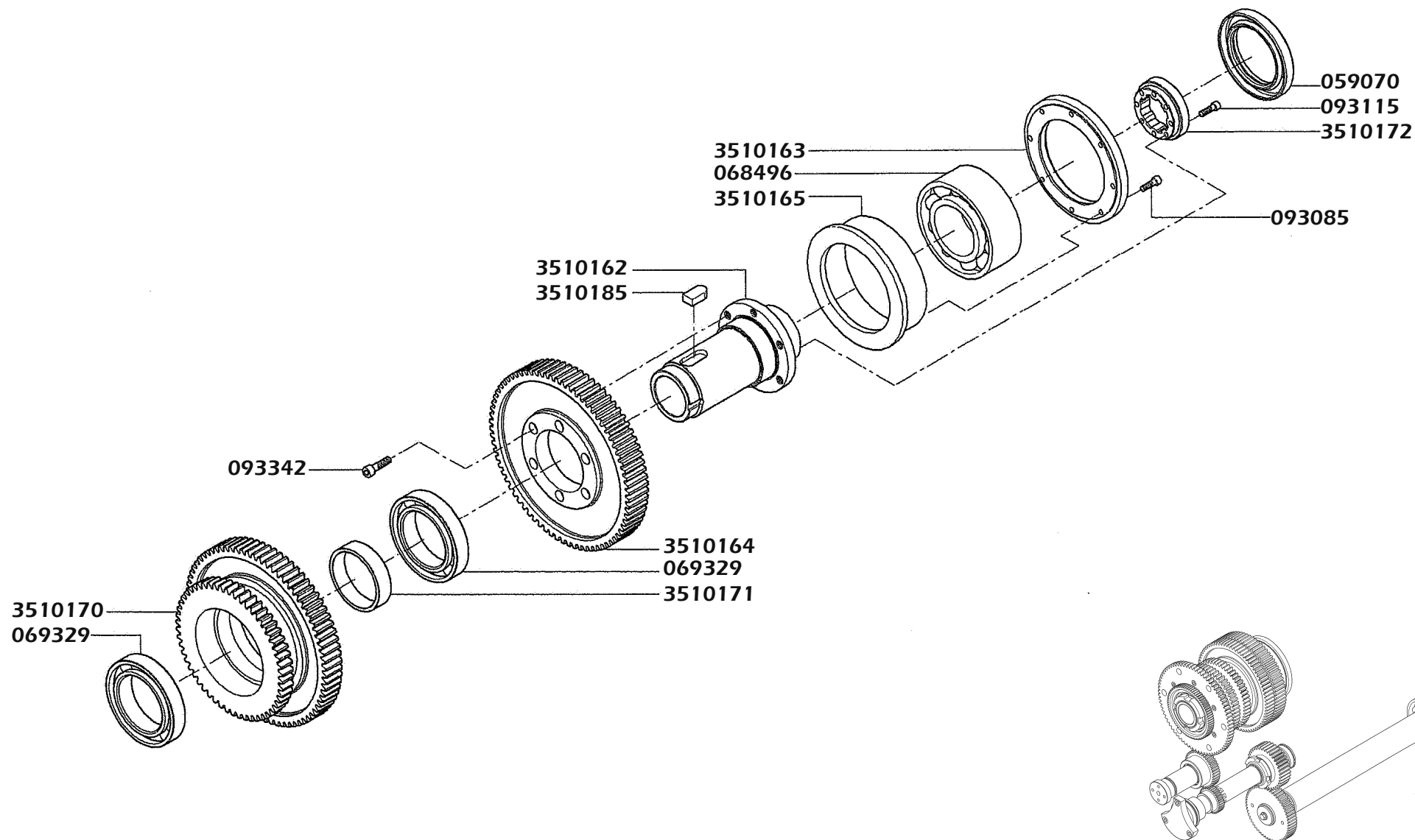


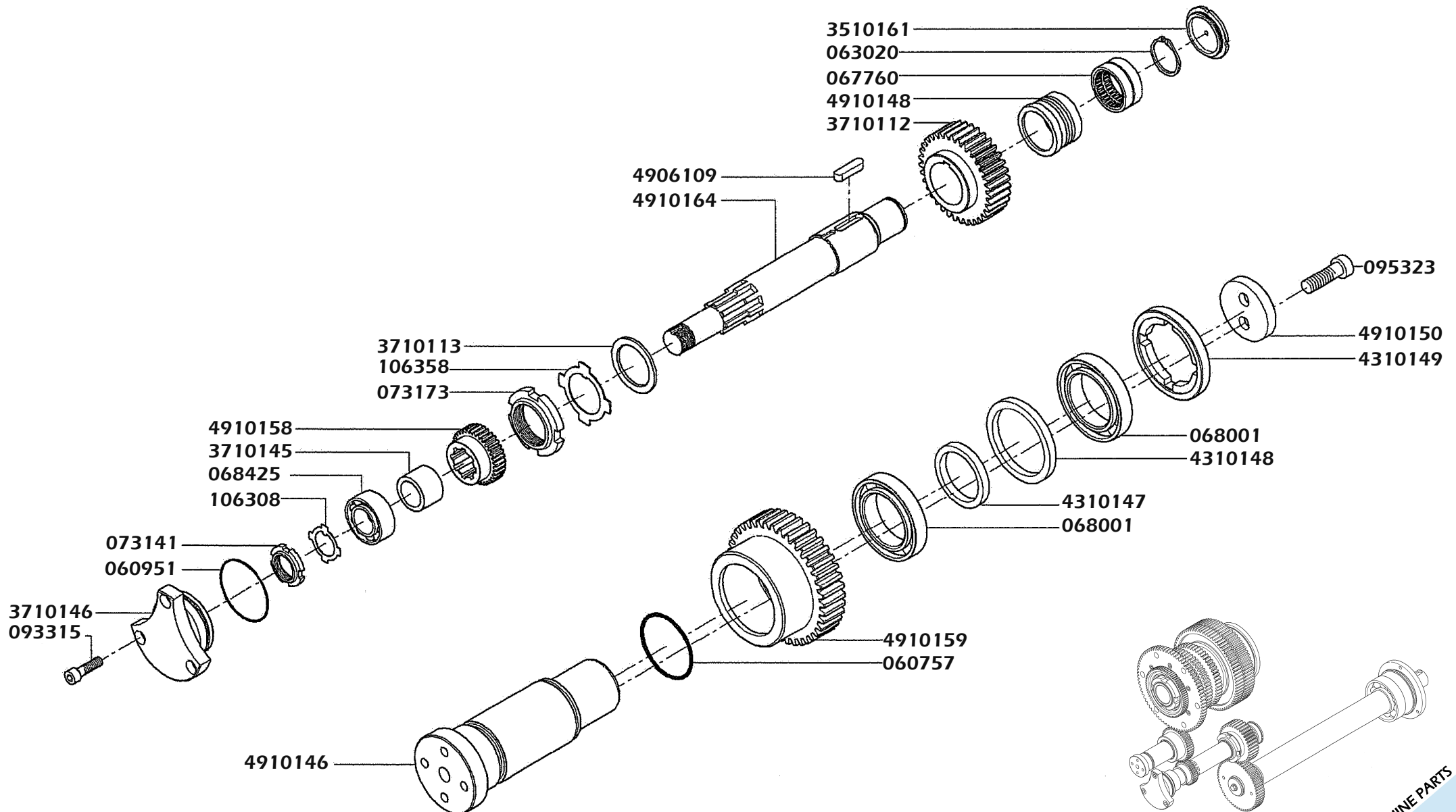


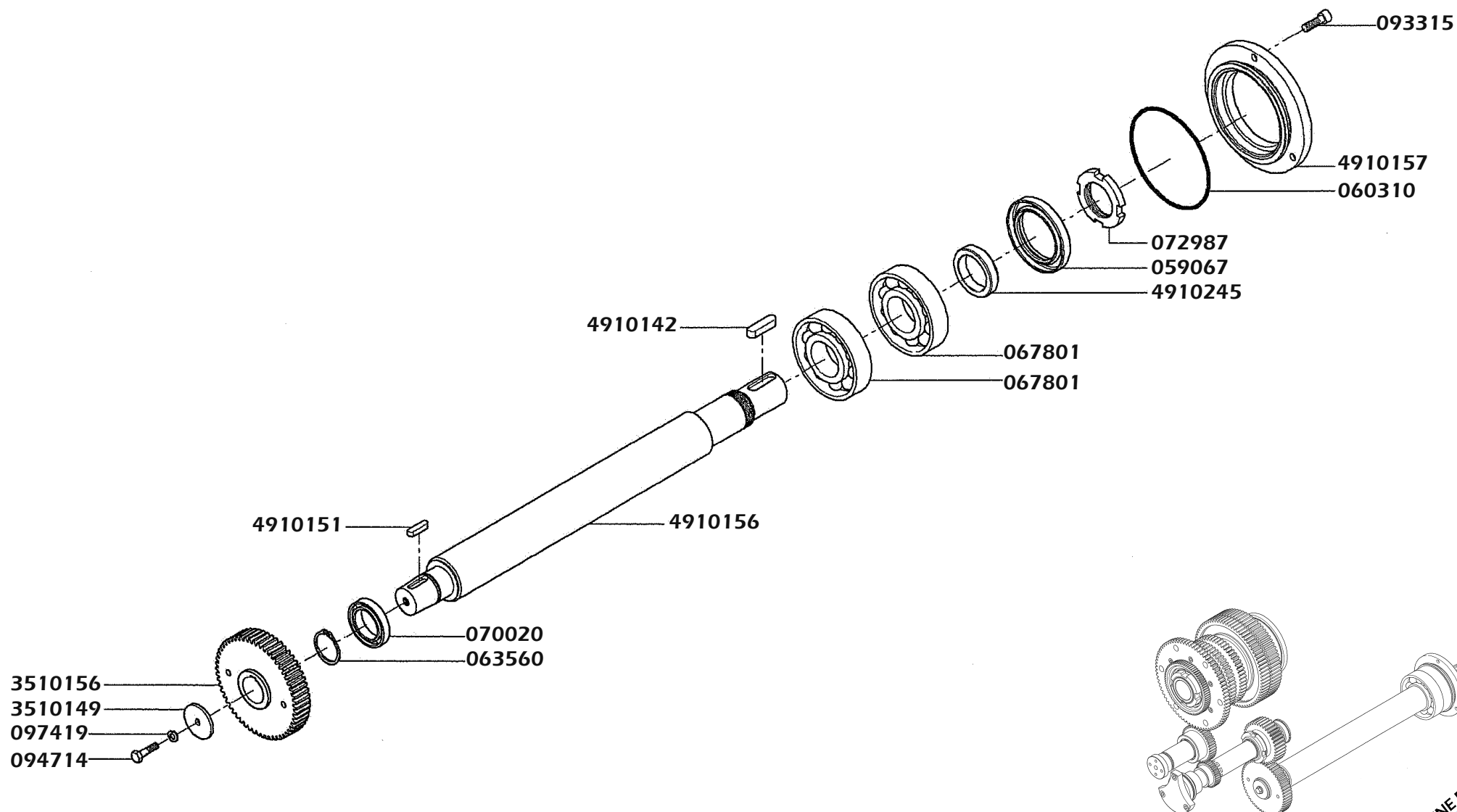


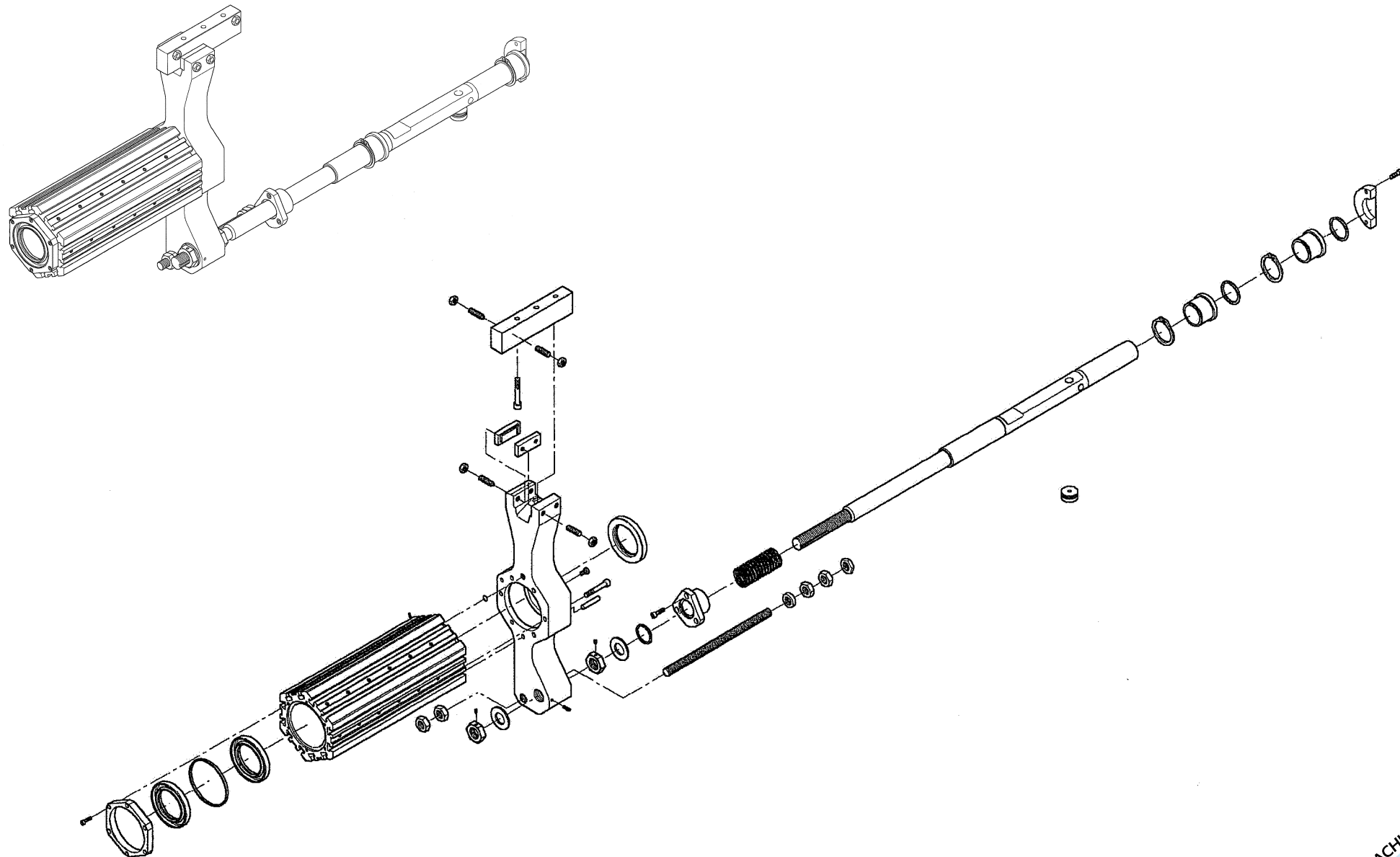


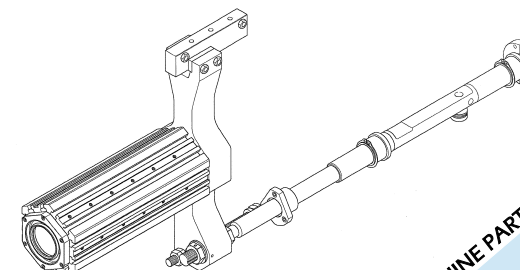
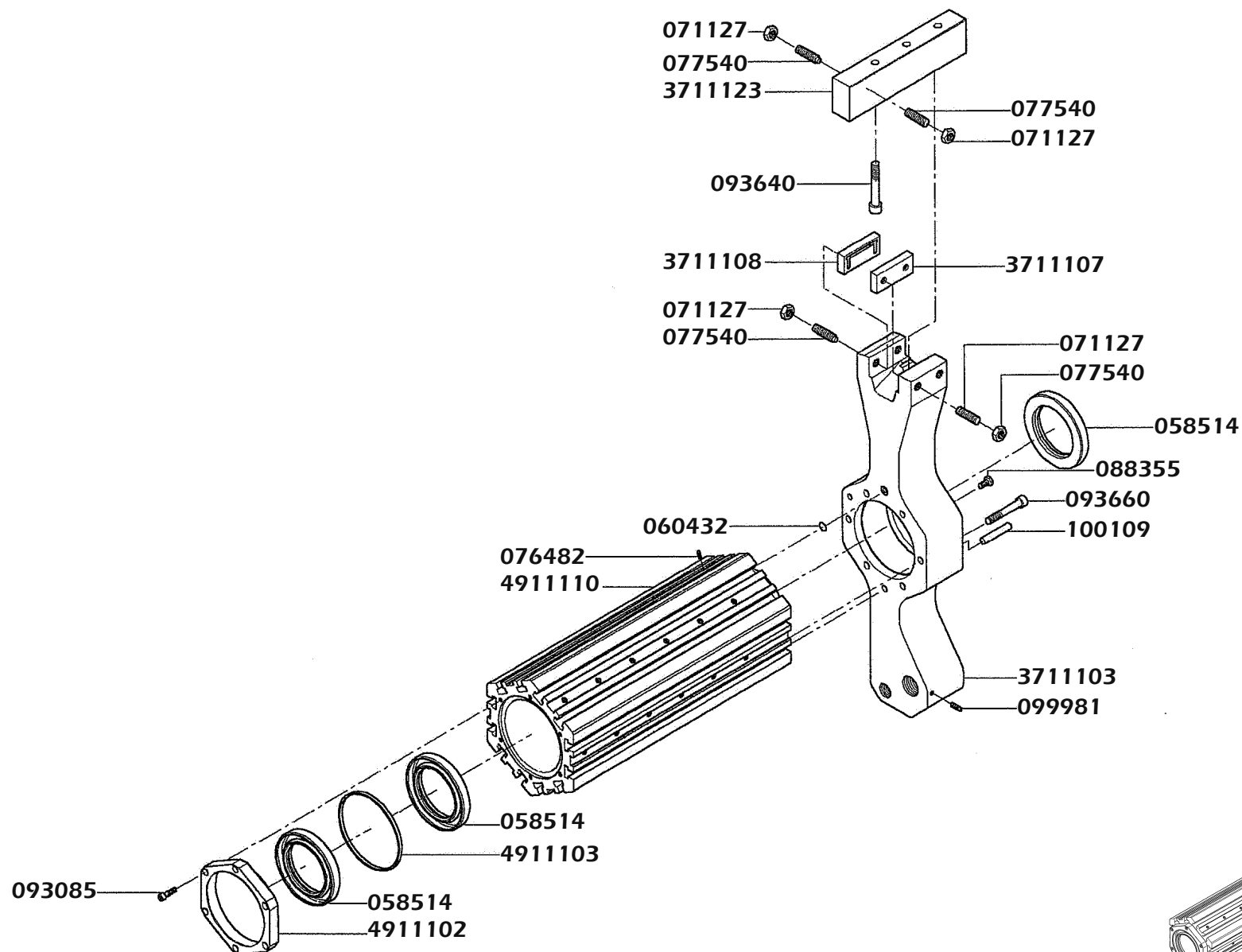


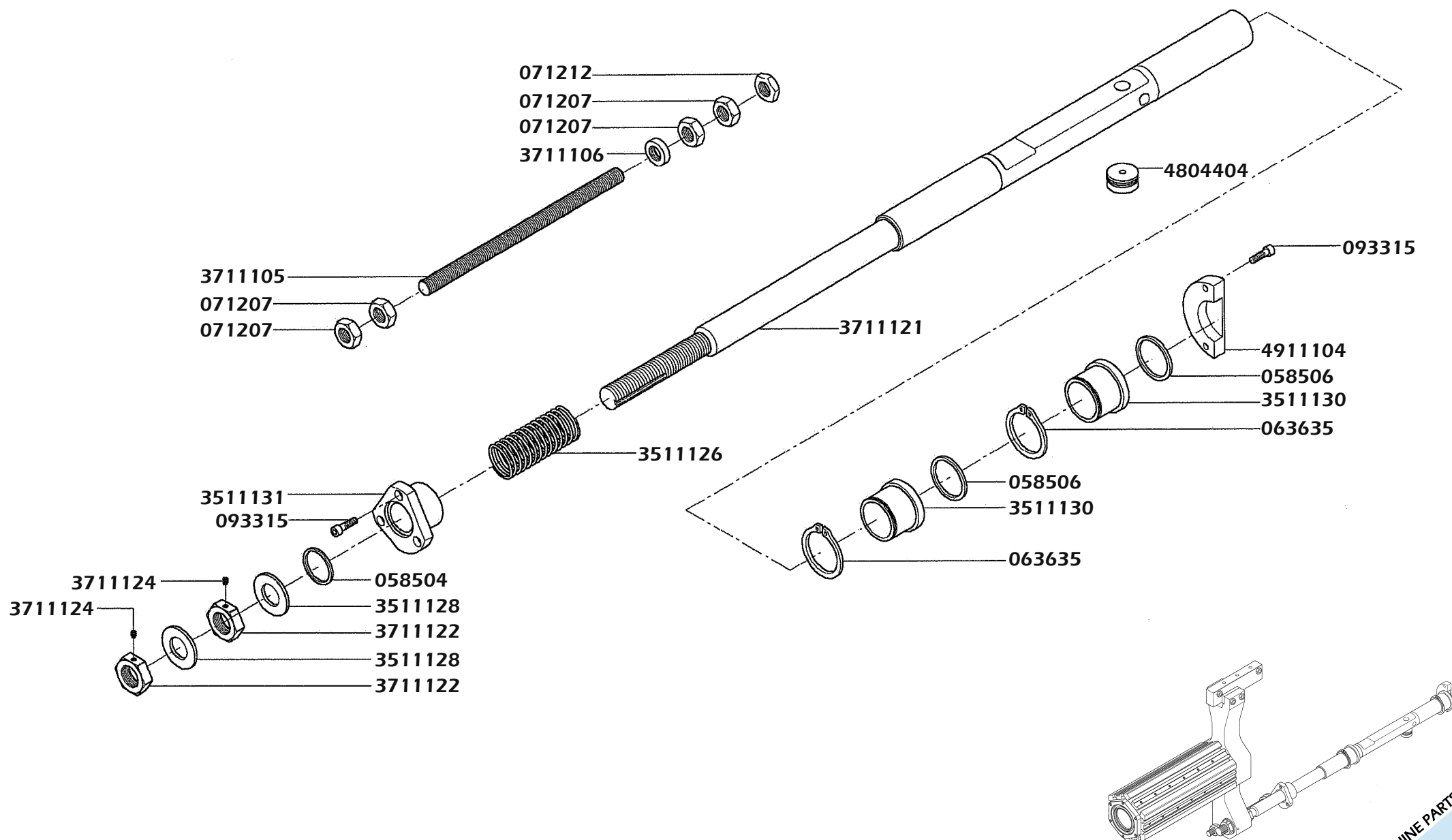


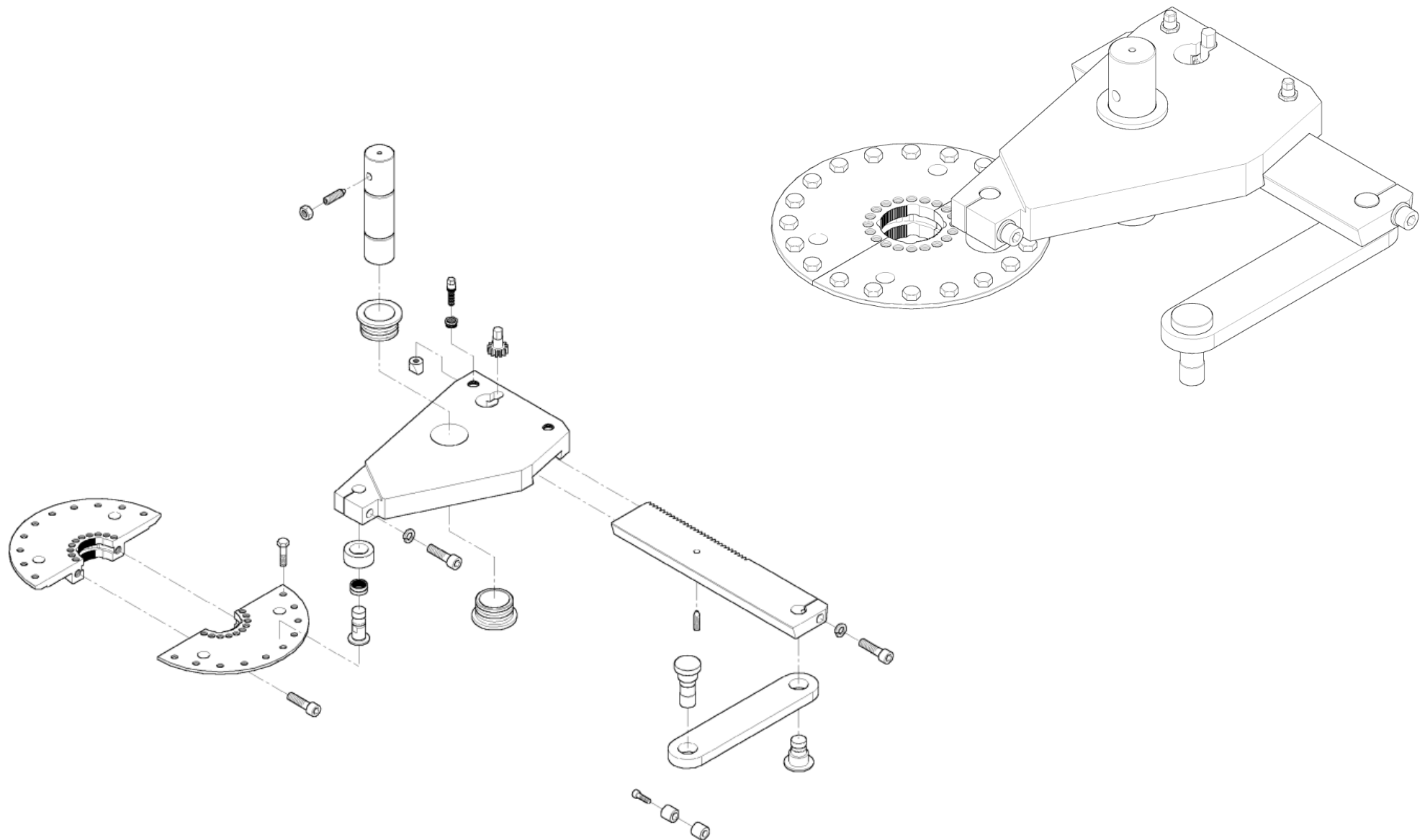


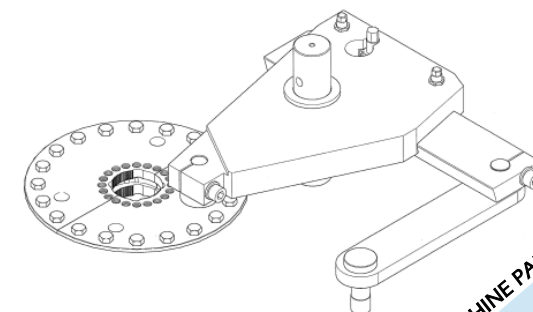
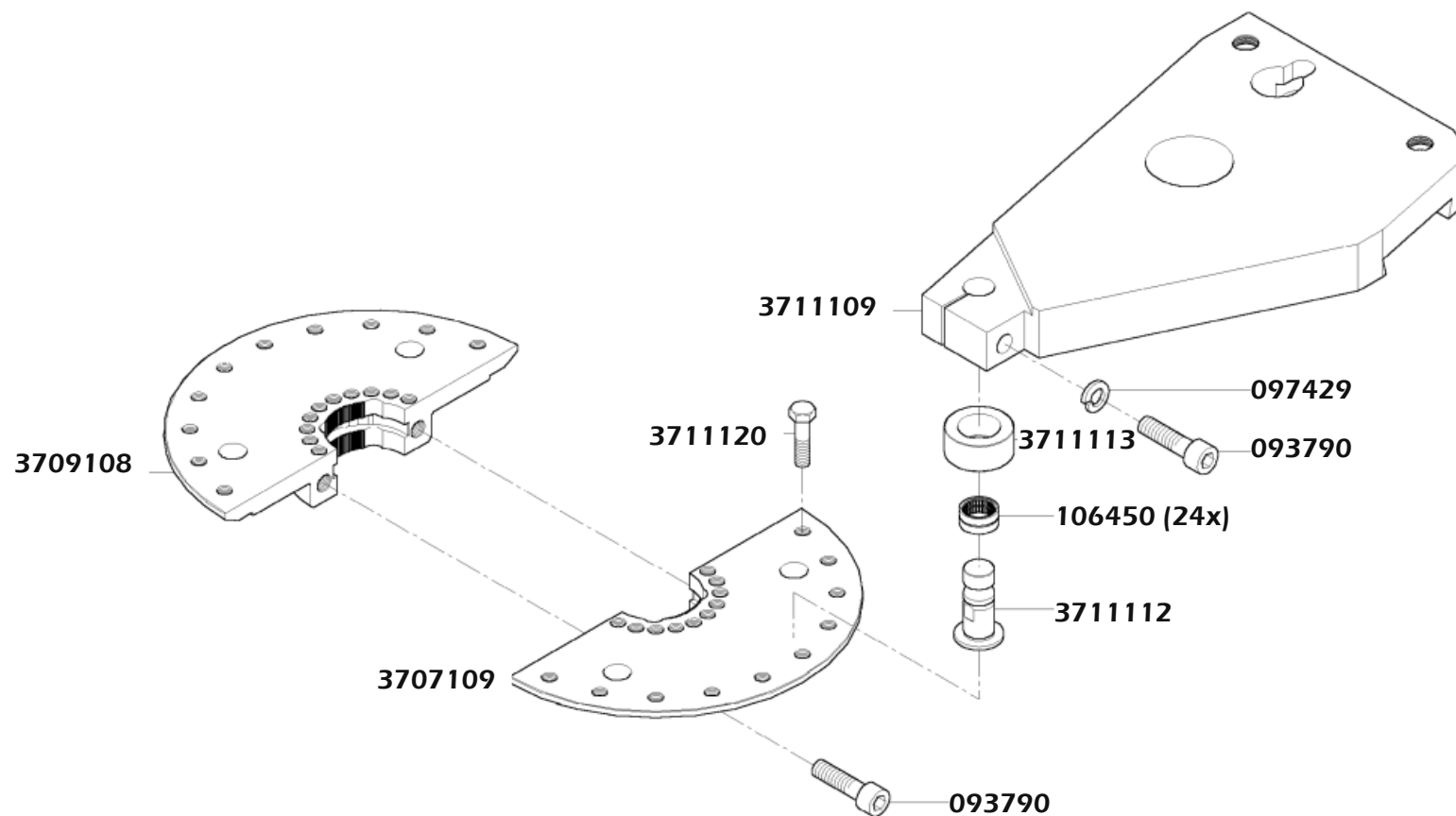


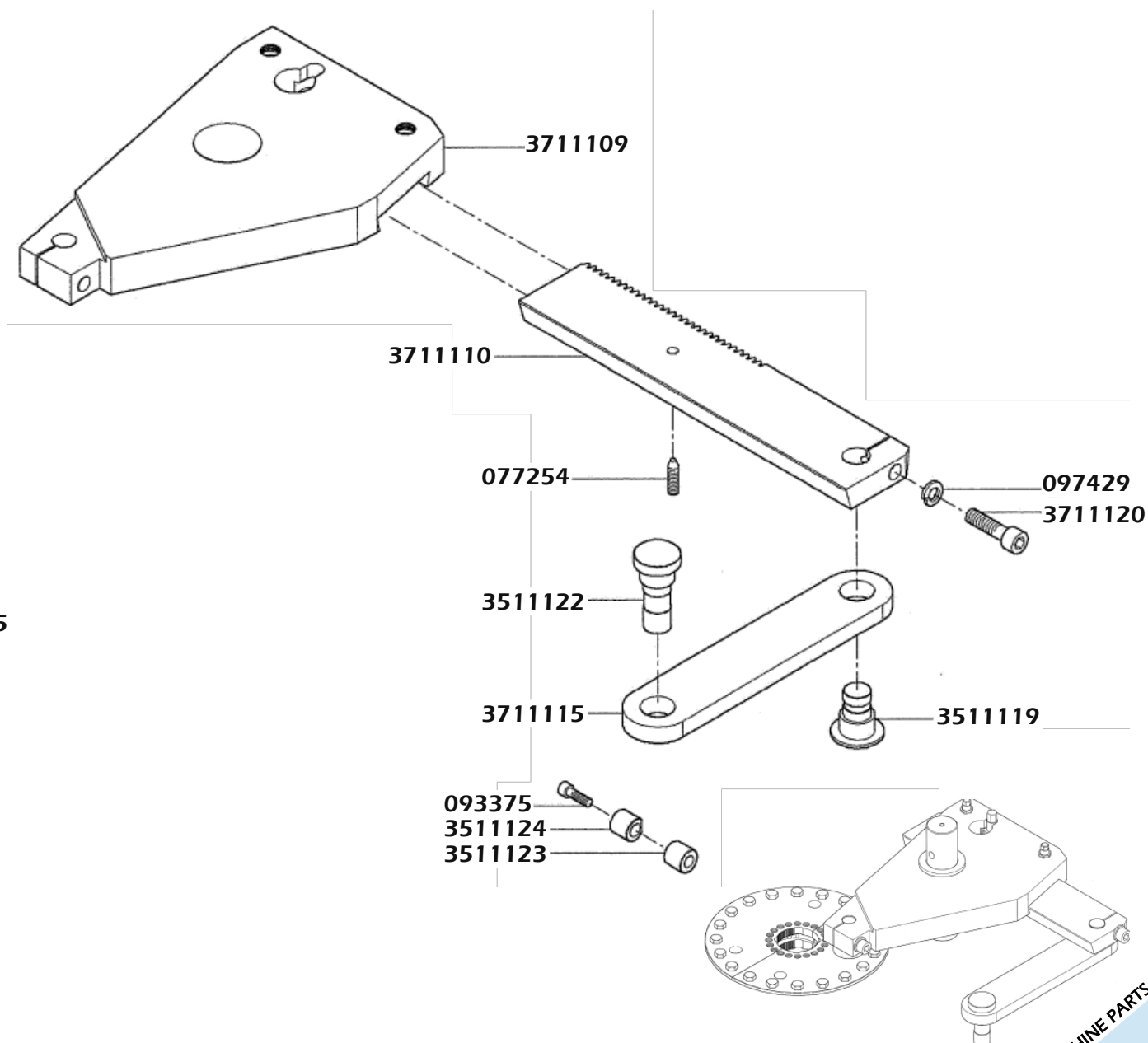
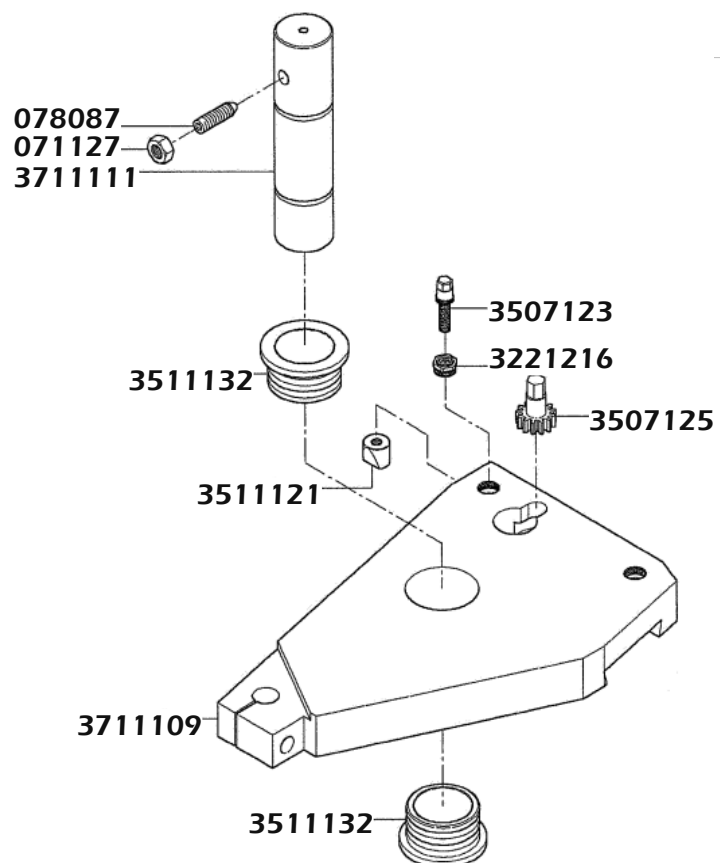


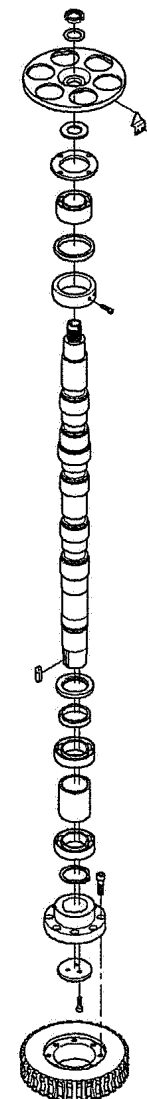
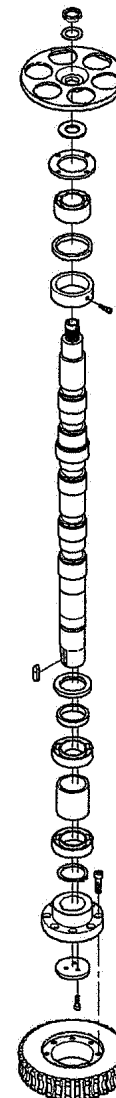
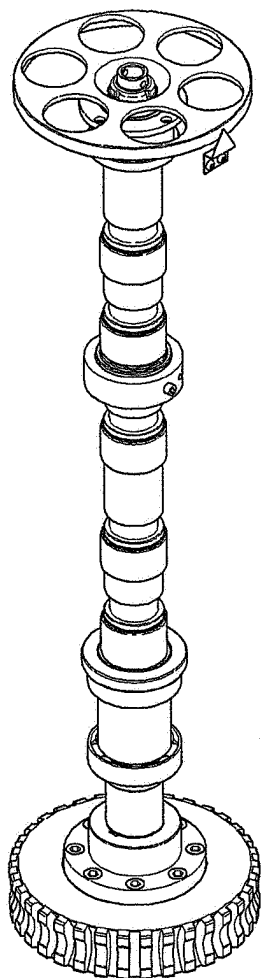
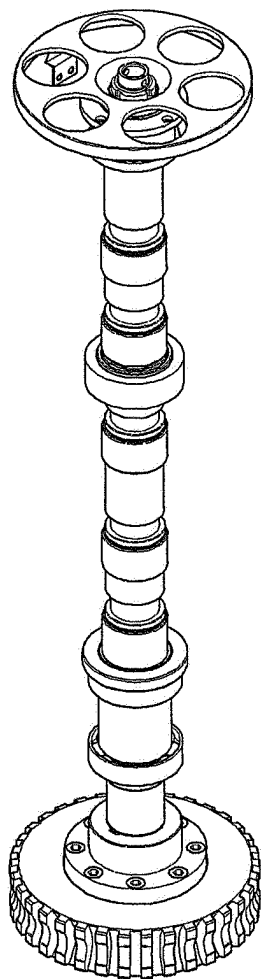


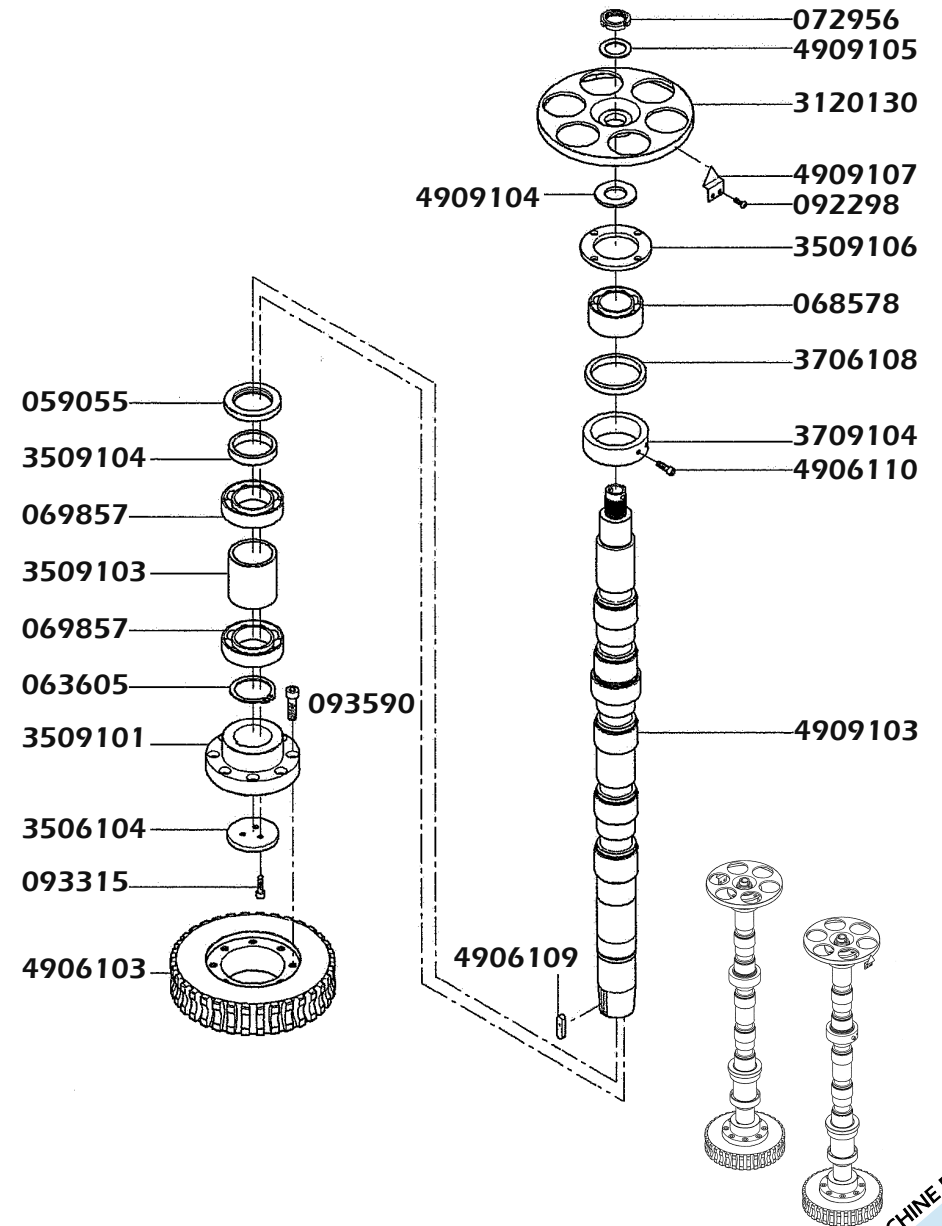
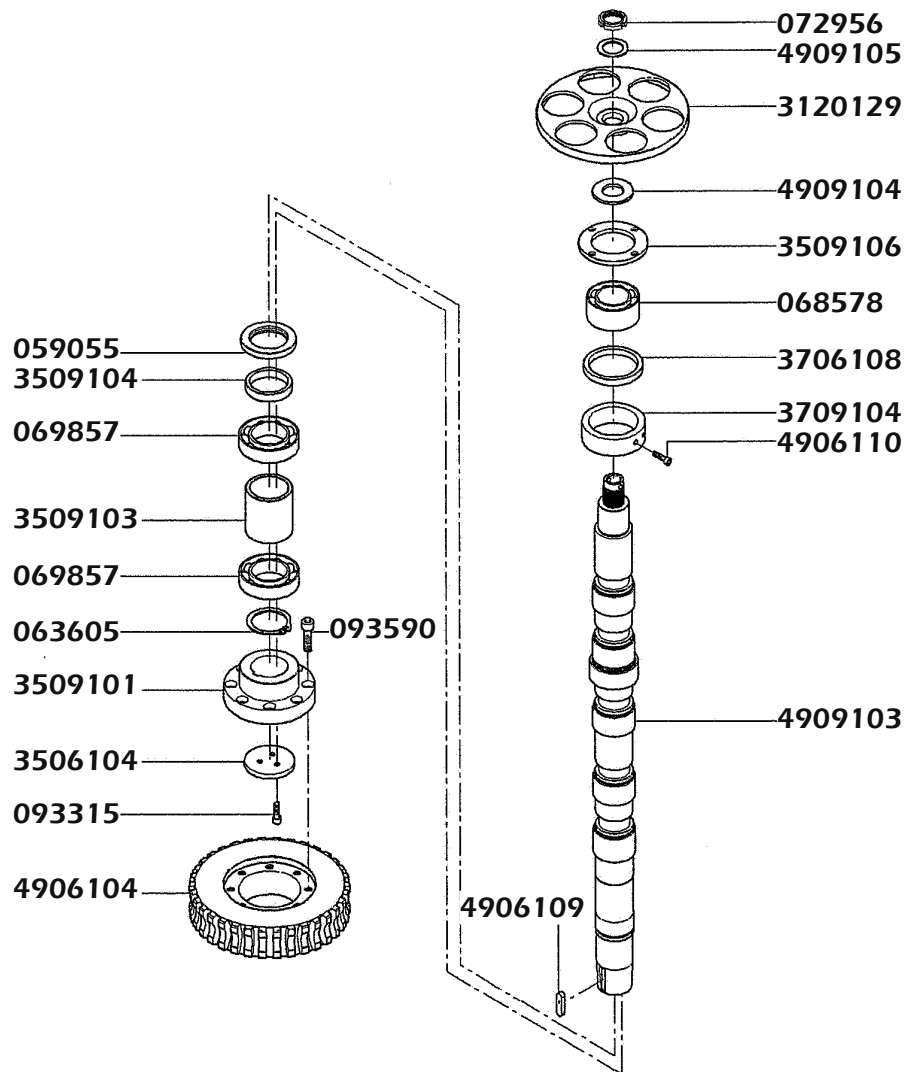


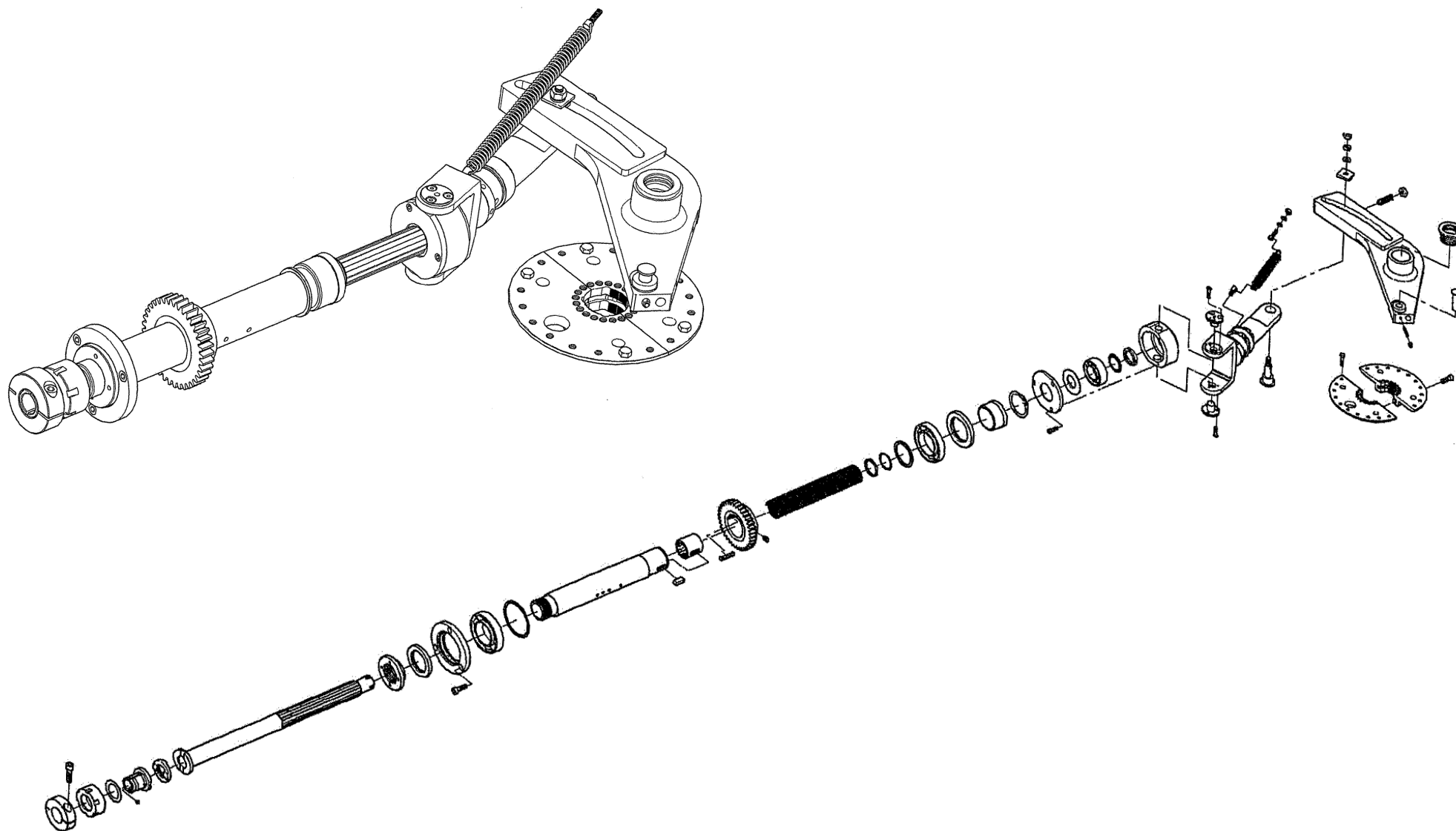


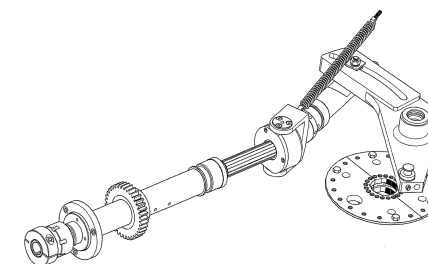
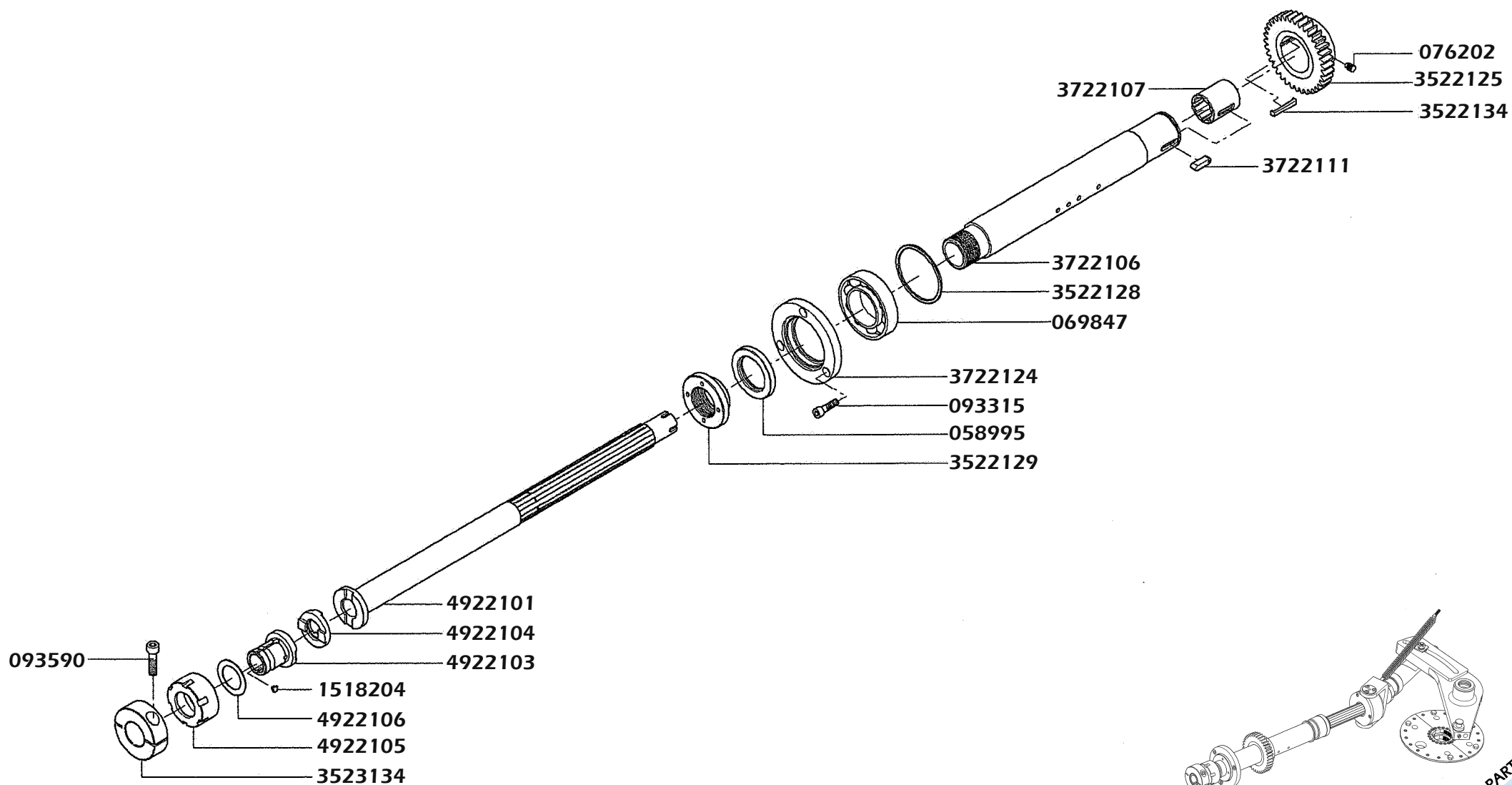


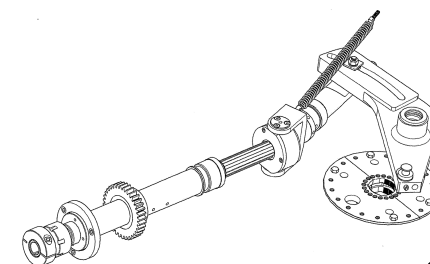
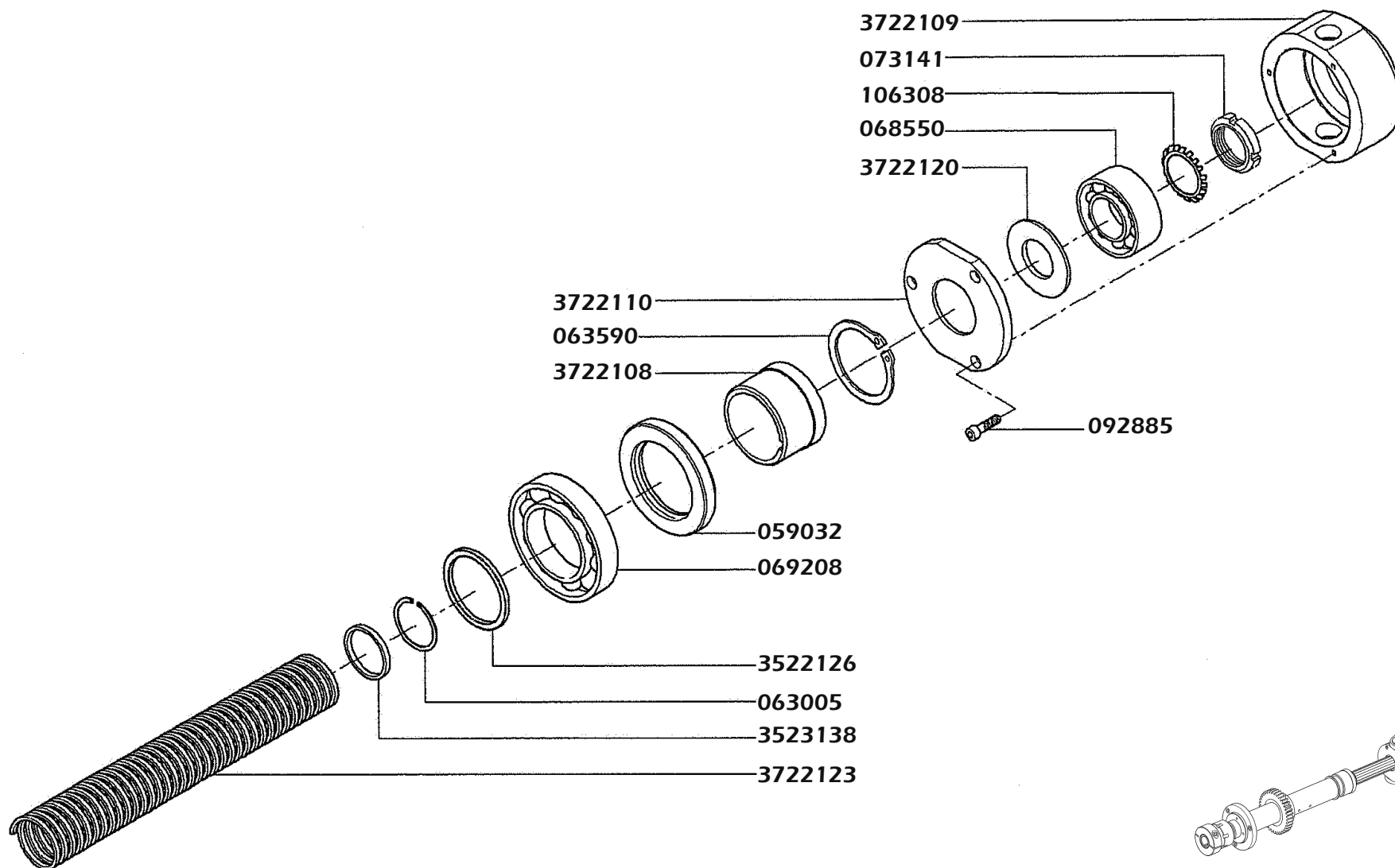






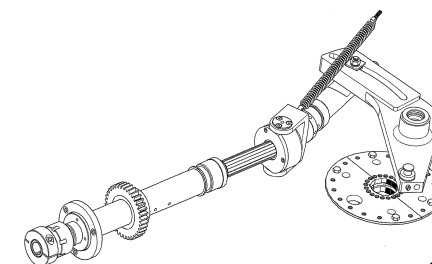
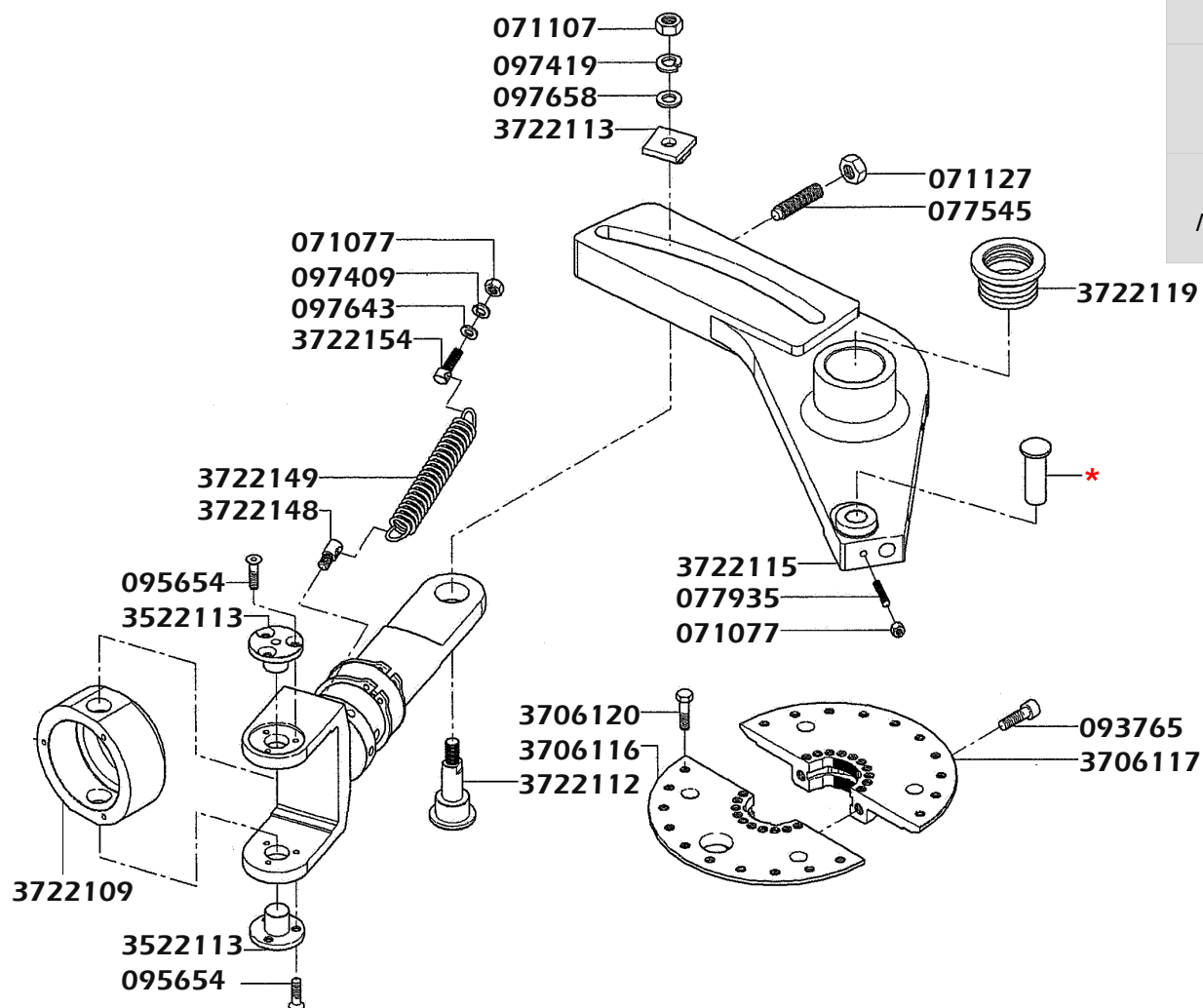


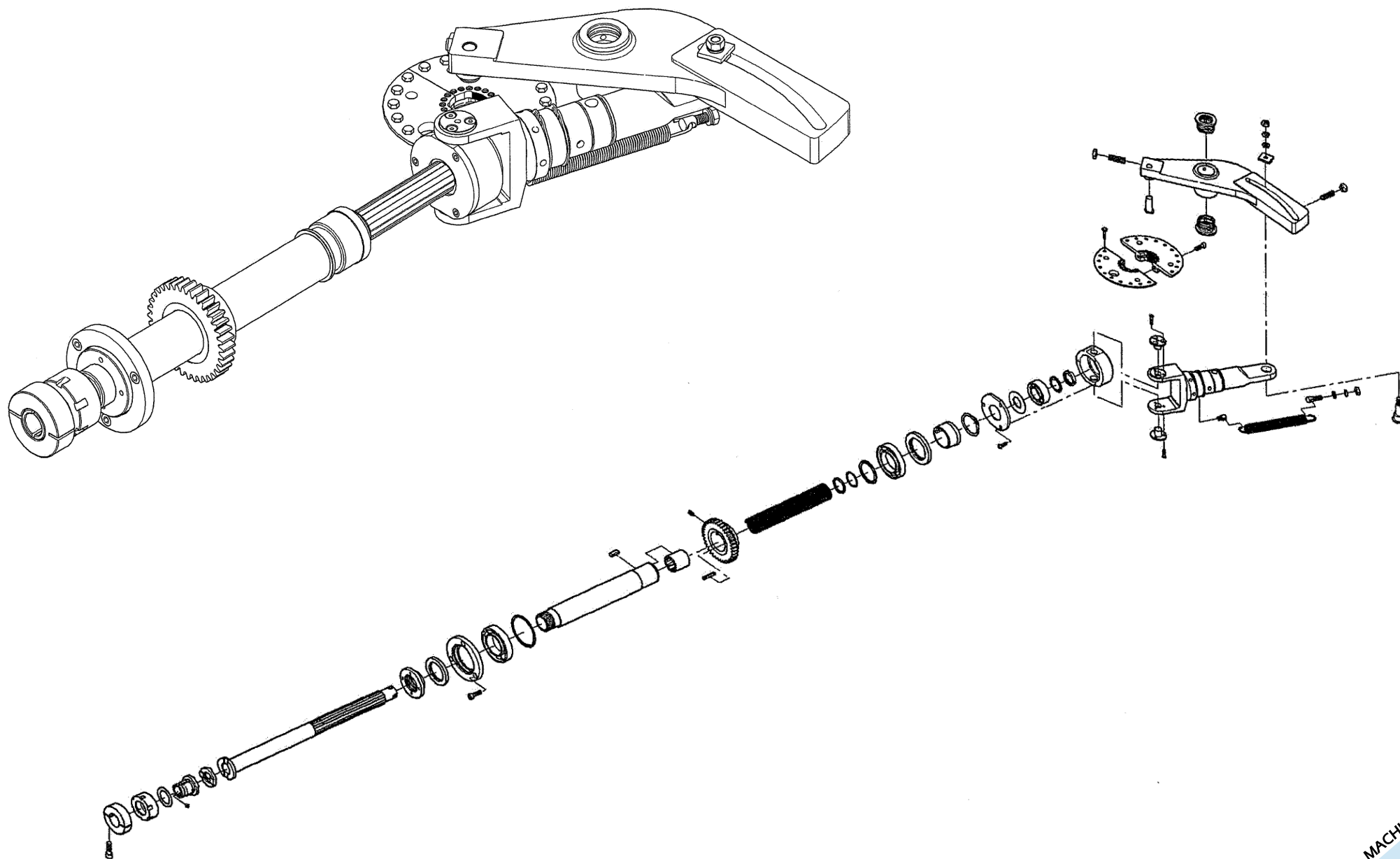


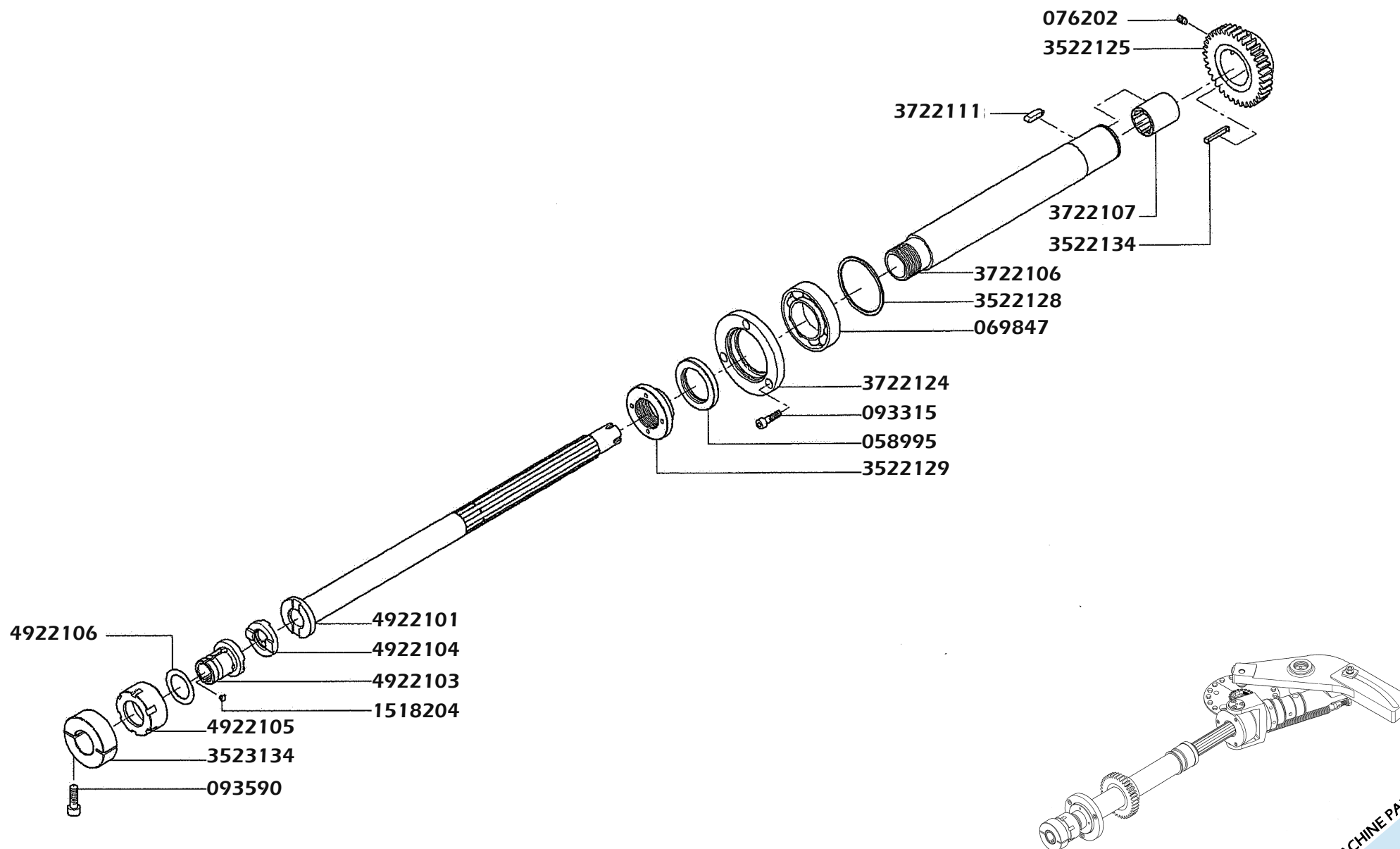


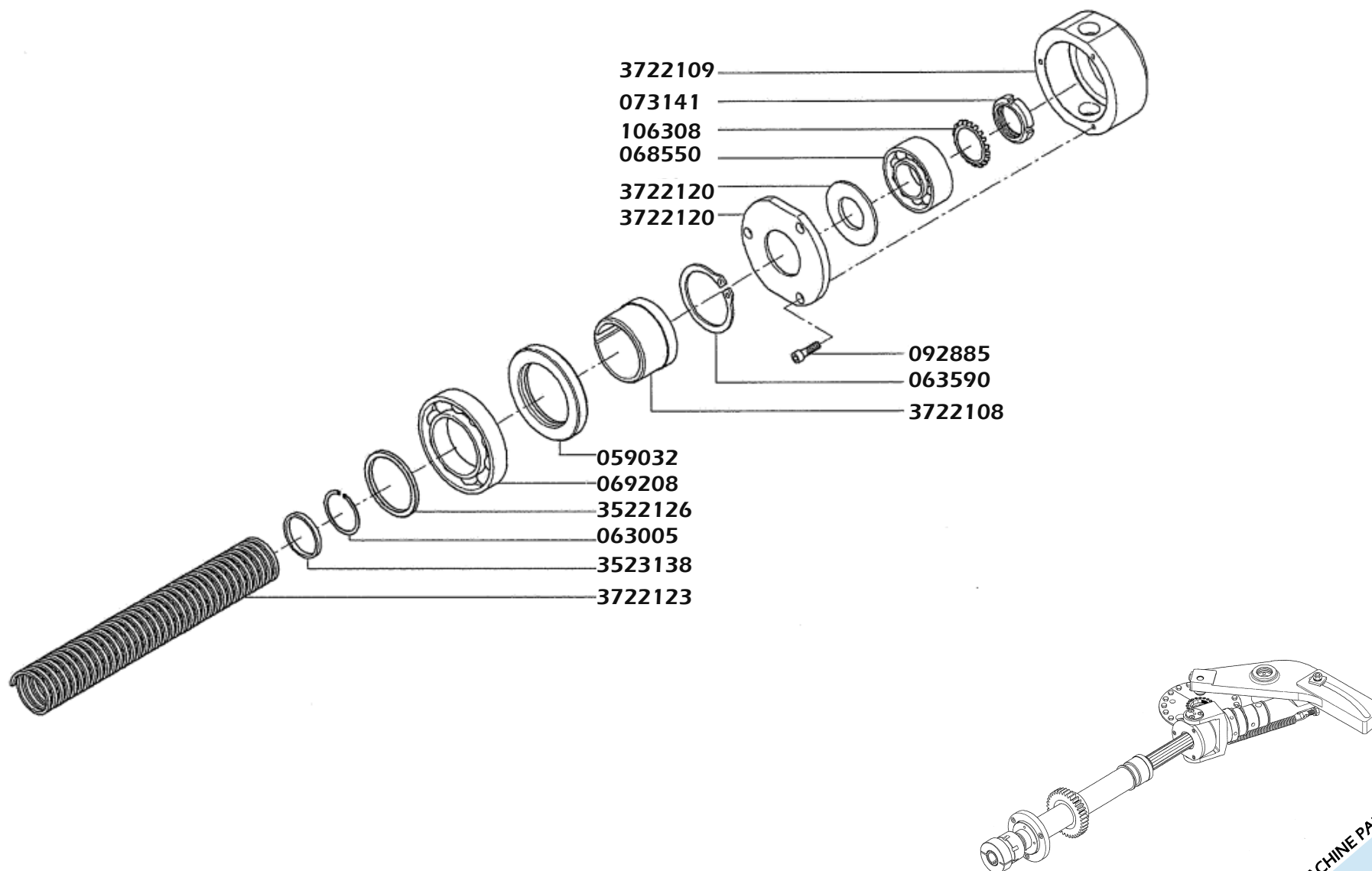
*Perno / rullo camme – Pin / cam roller

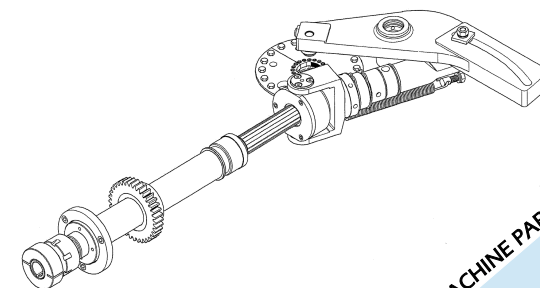
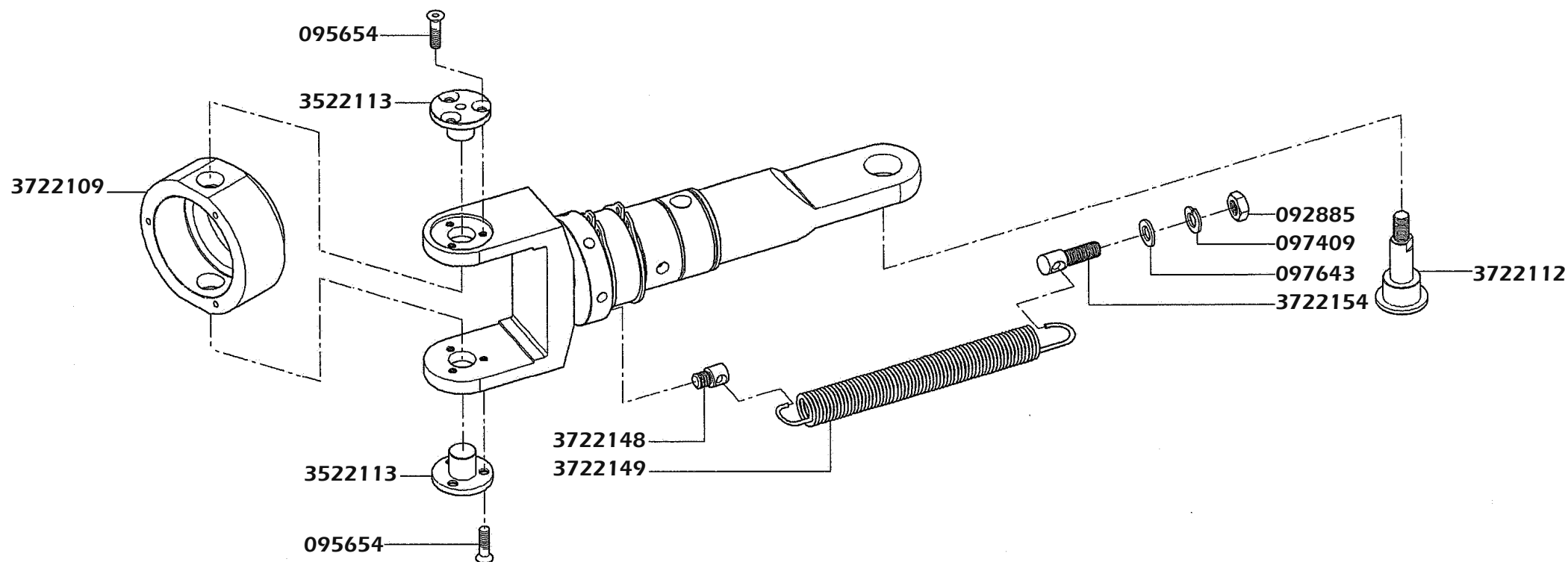
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3722122 	4922102 	066794 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Incluse Included





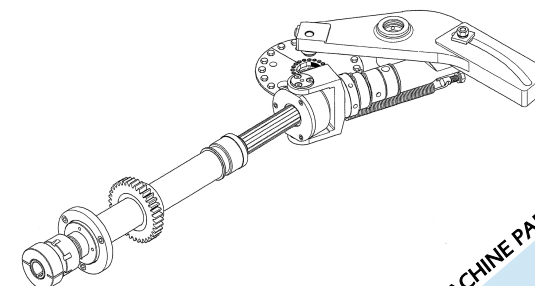
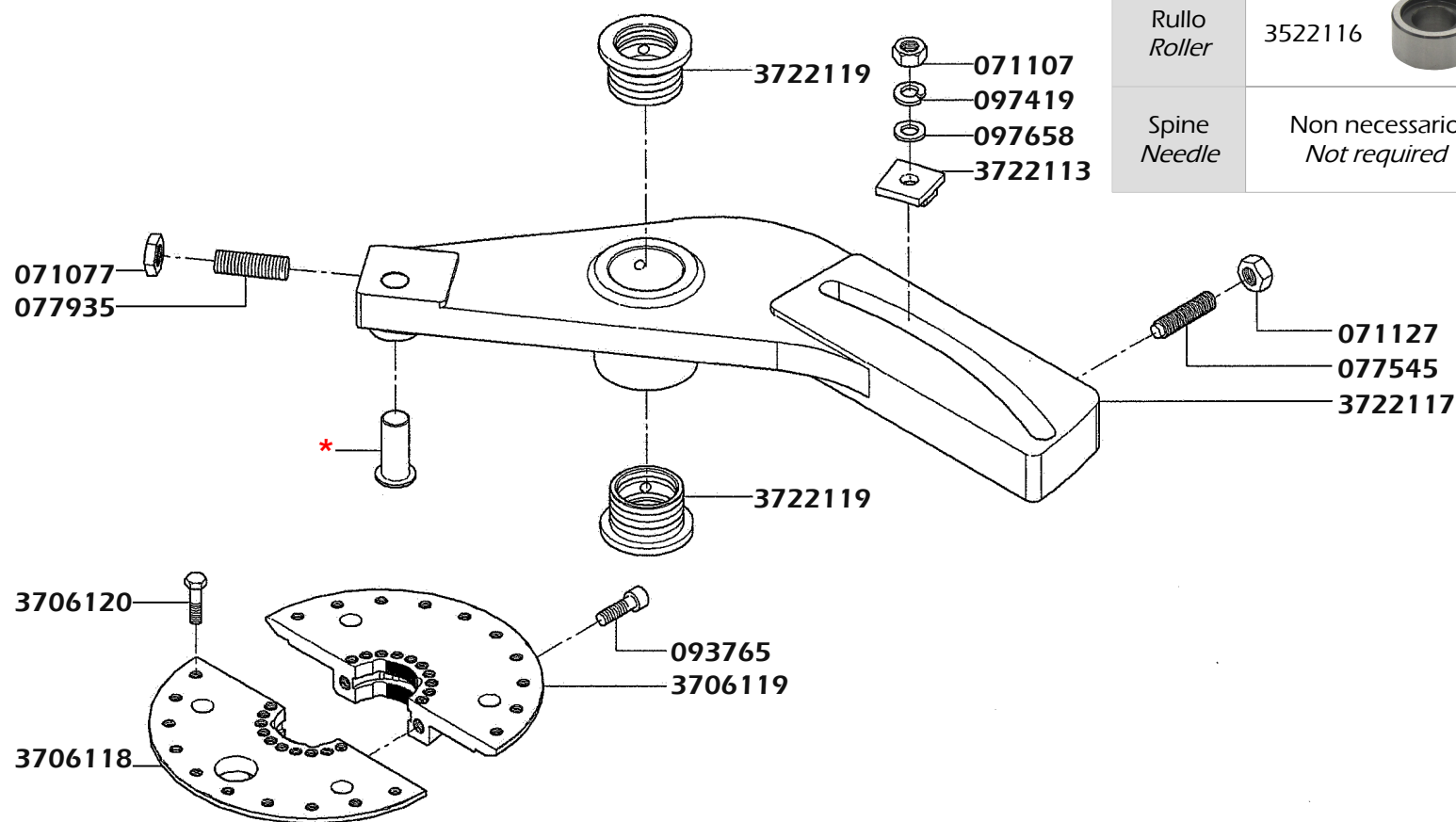


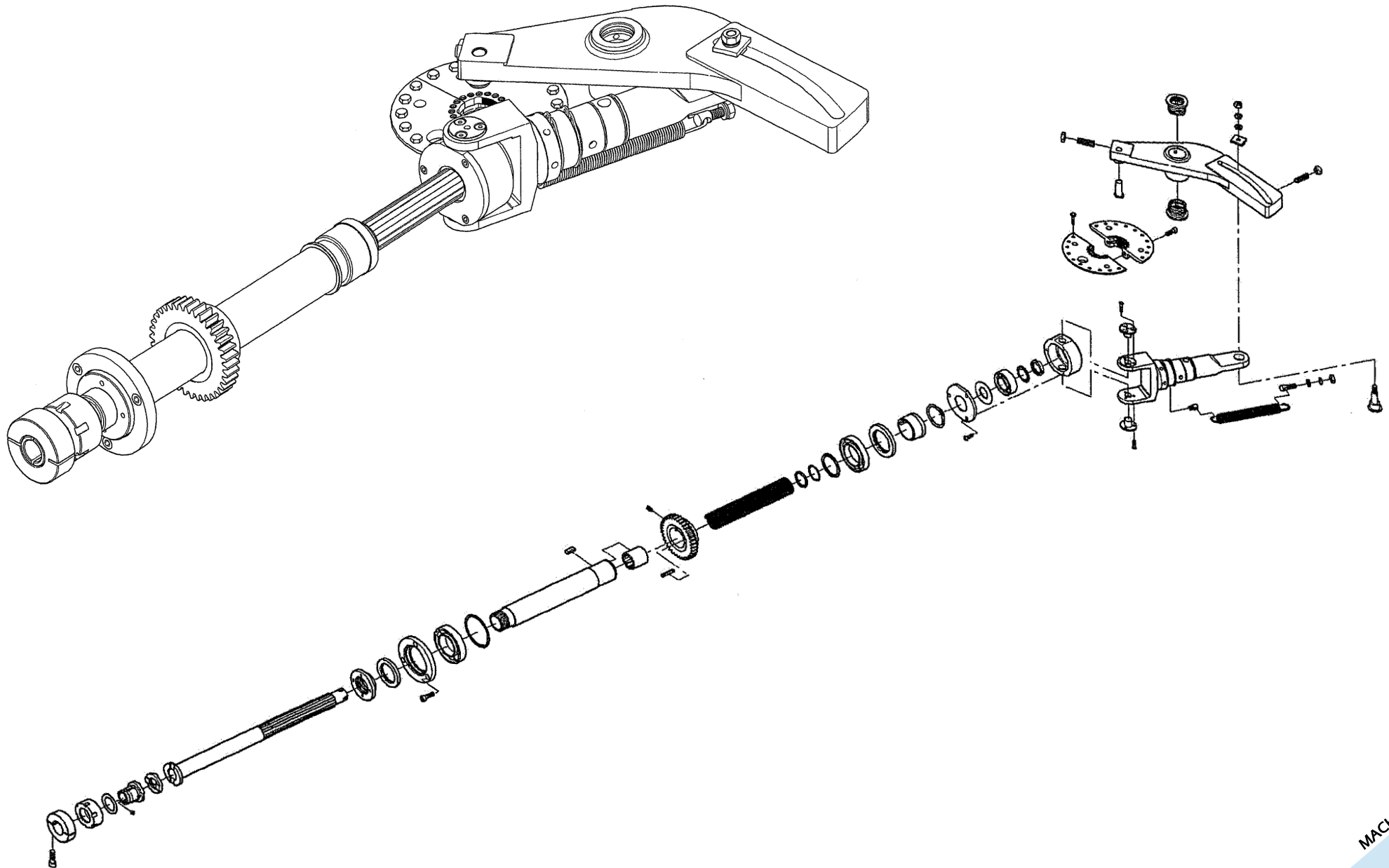


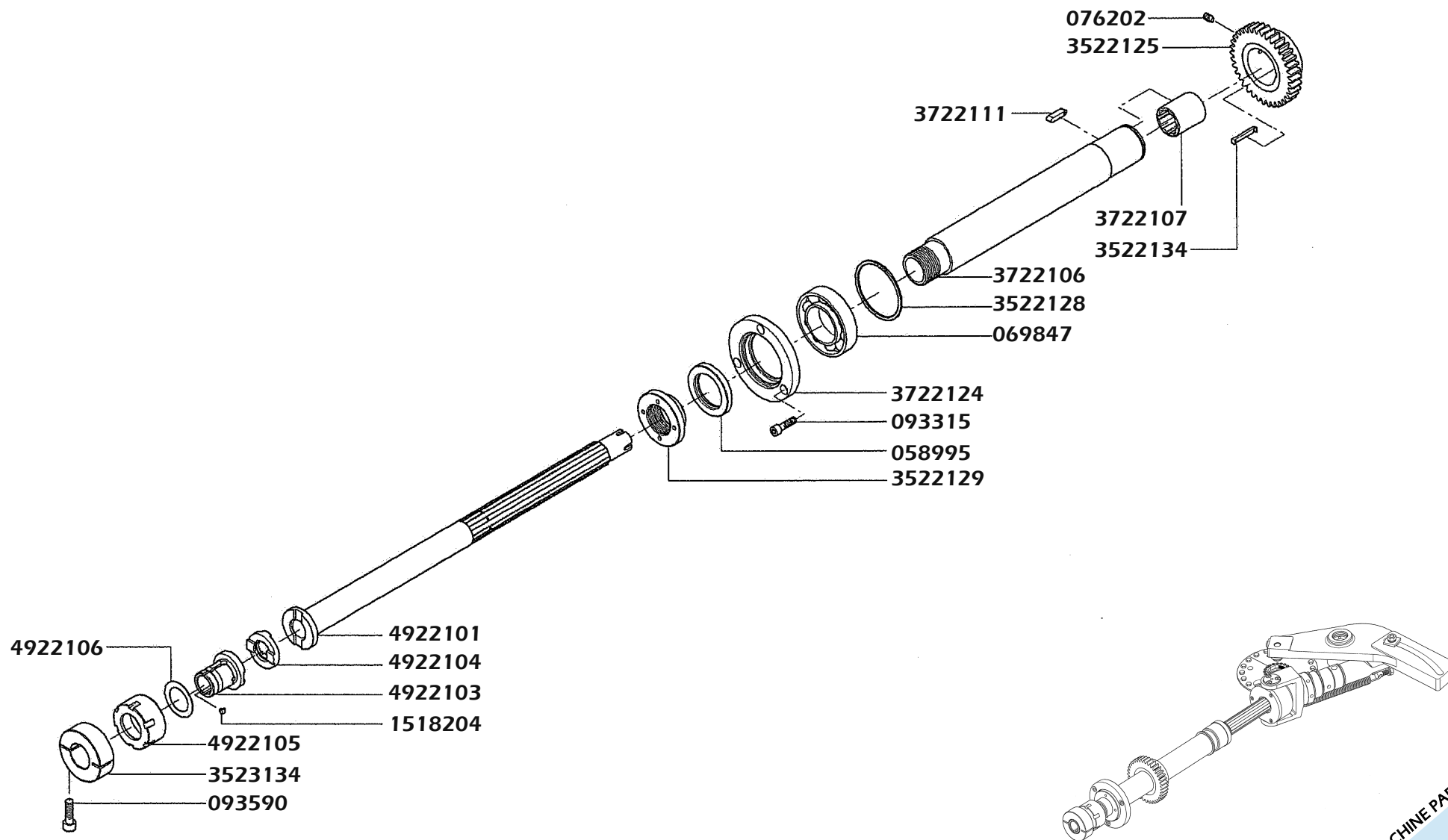


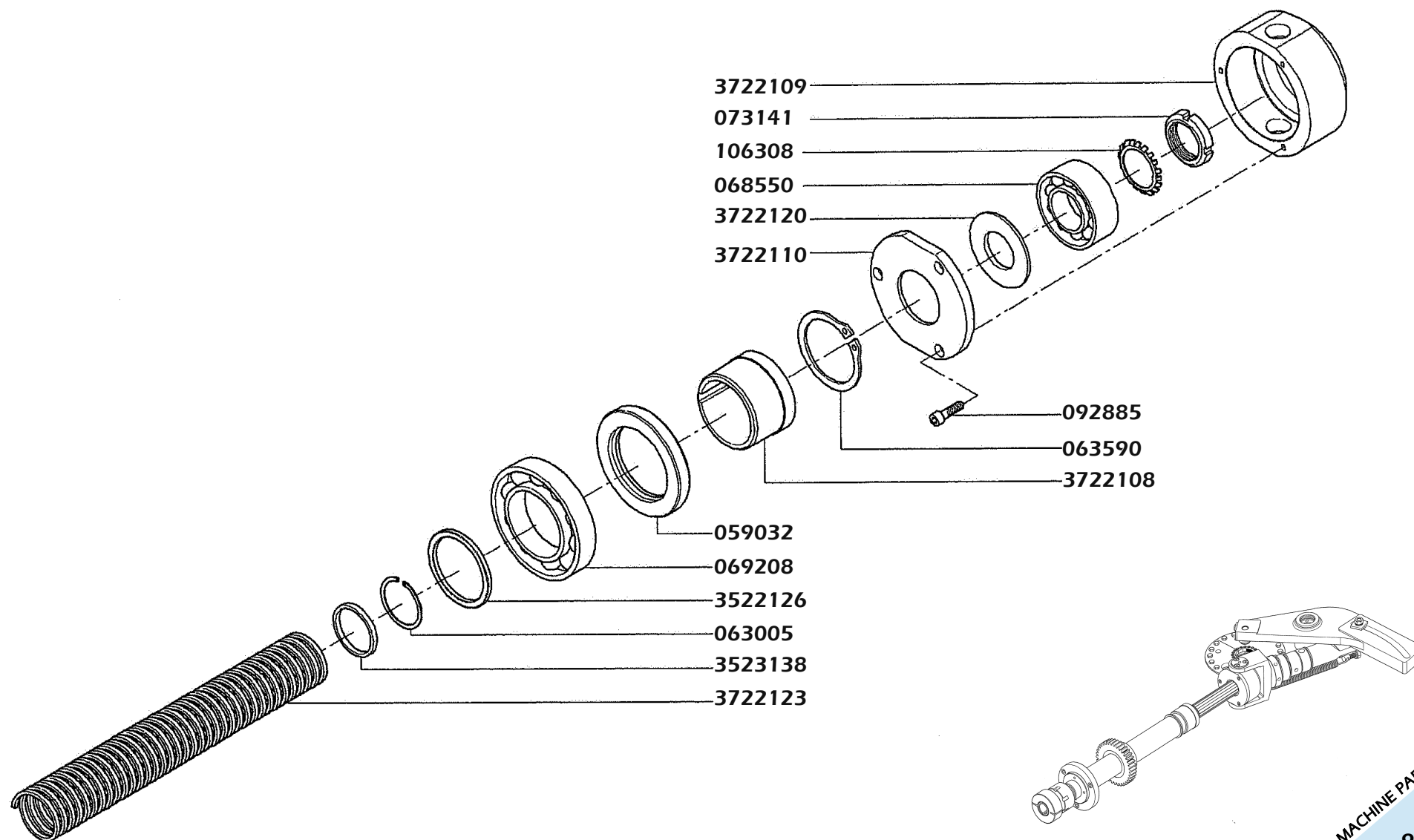
*Perno / rullo camme – Pin / cam roller

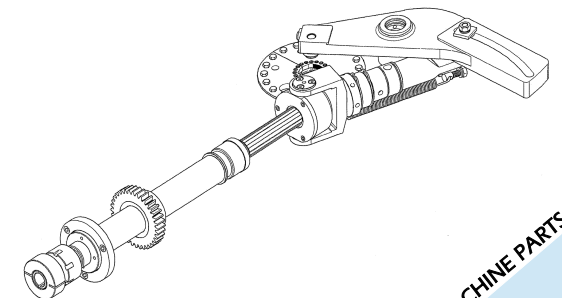
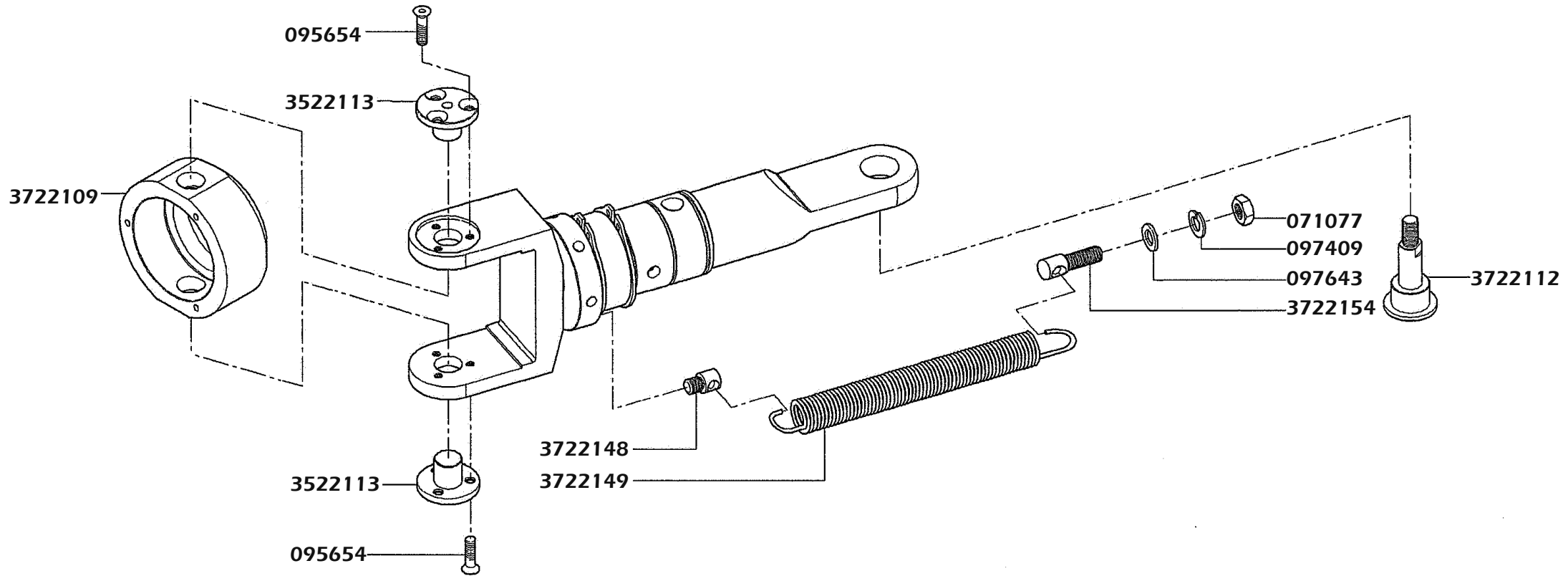
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3722122 	4922102 	066794 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Incluse Included





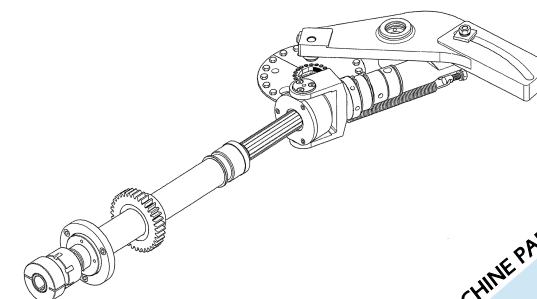
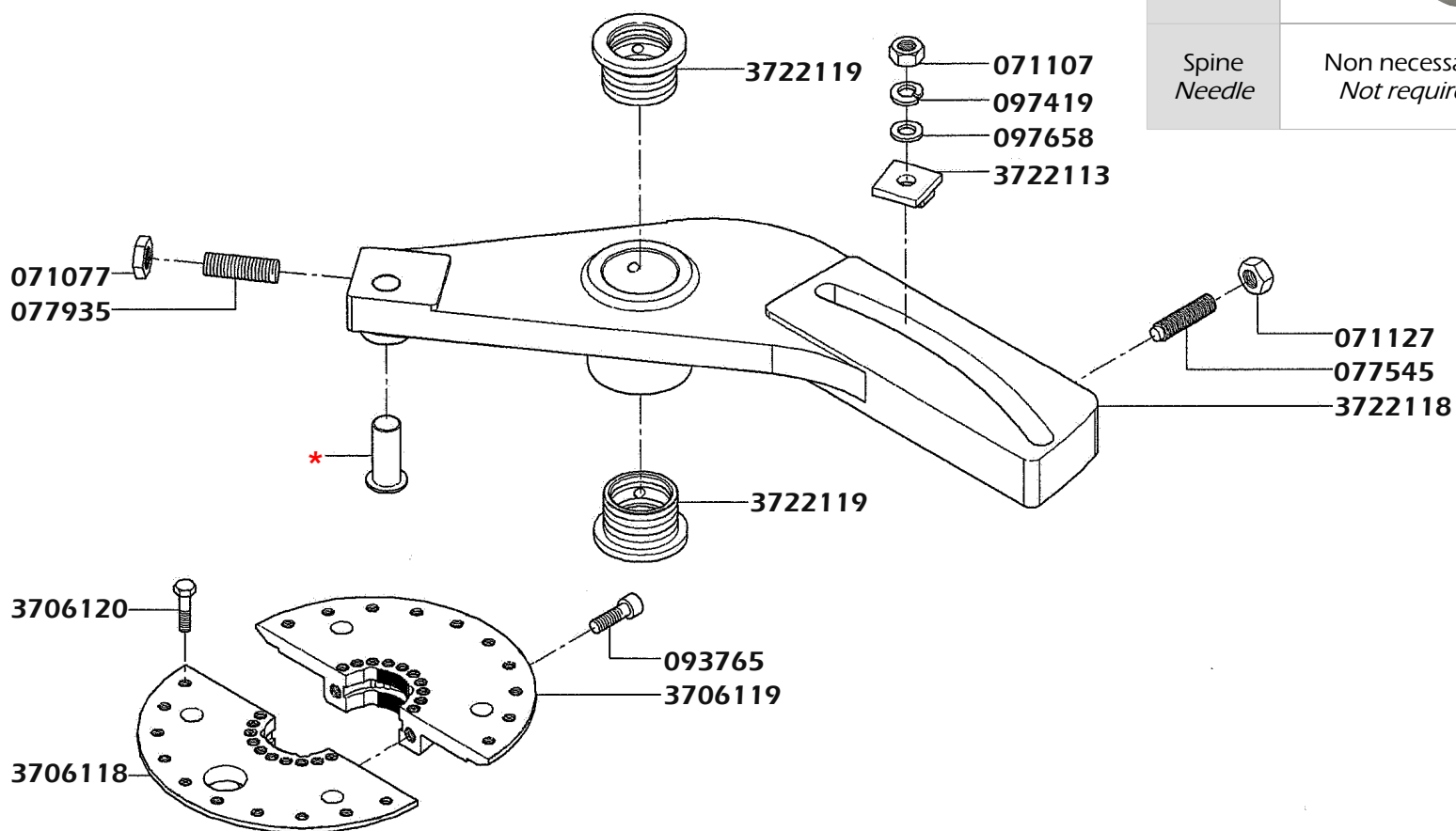


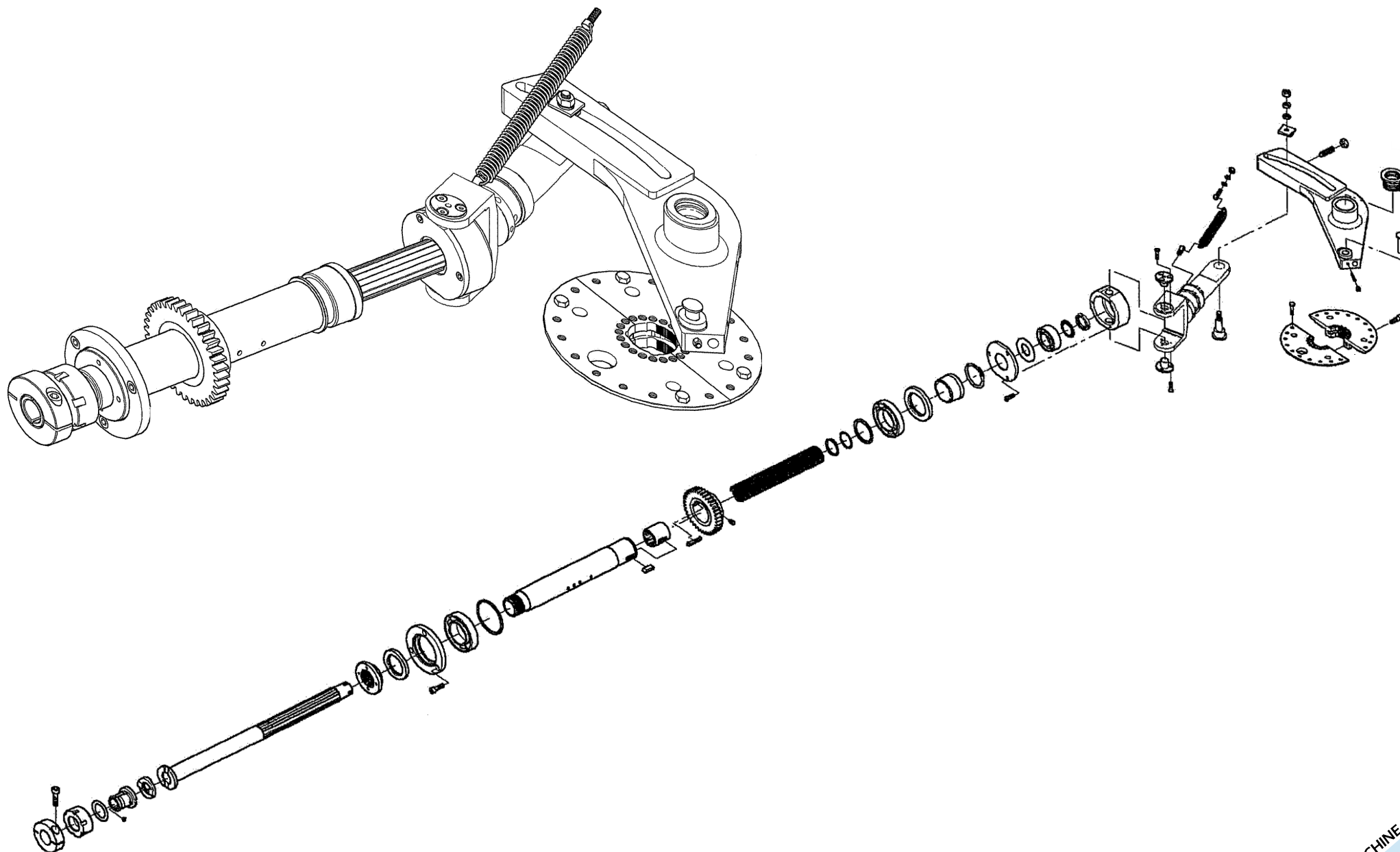


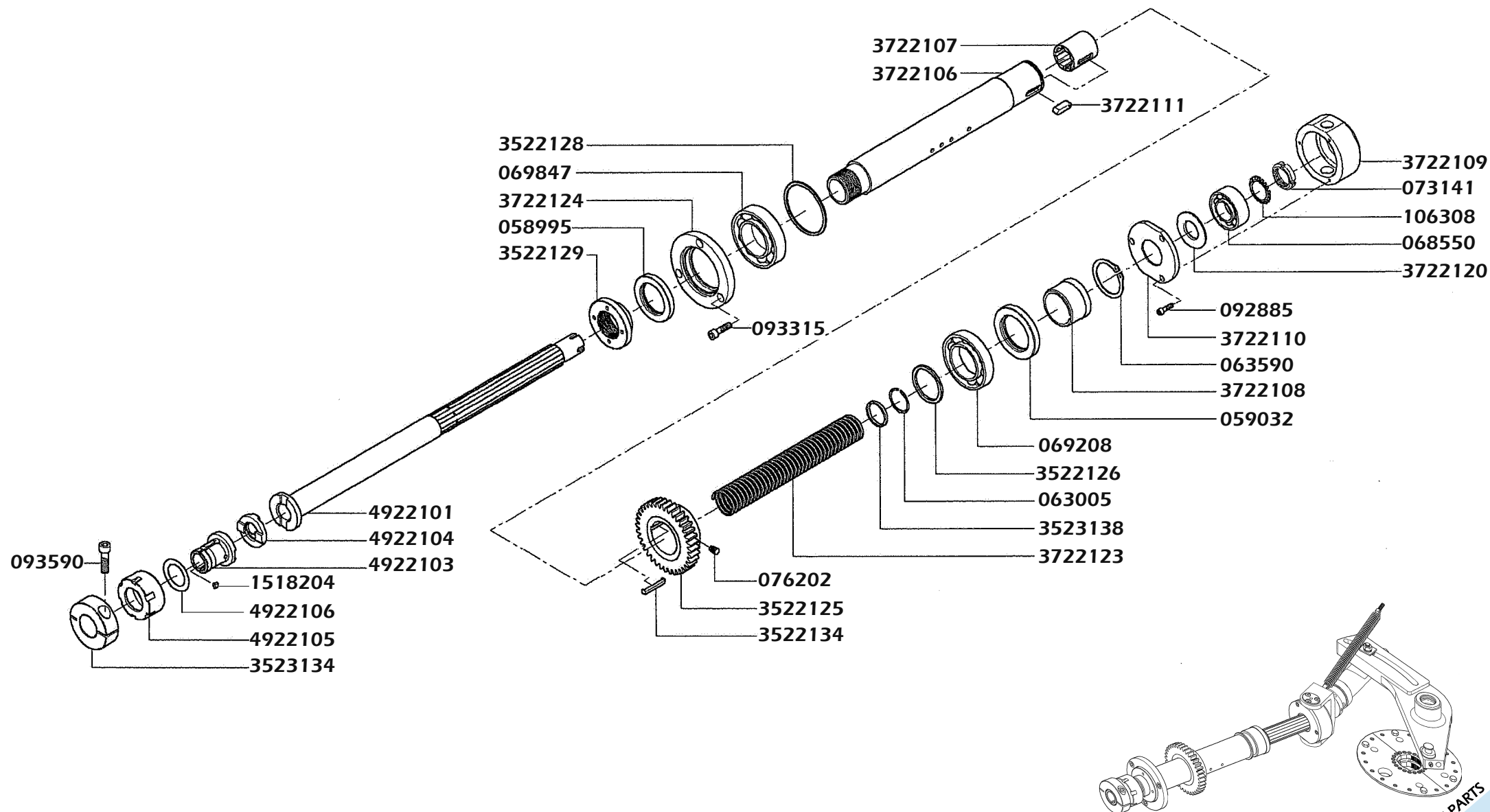


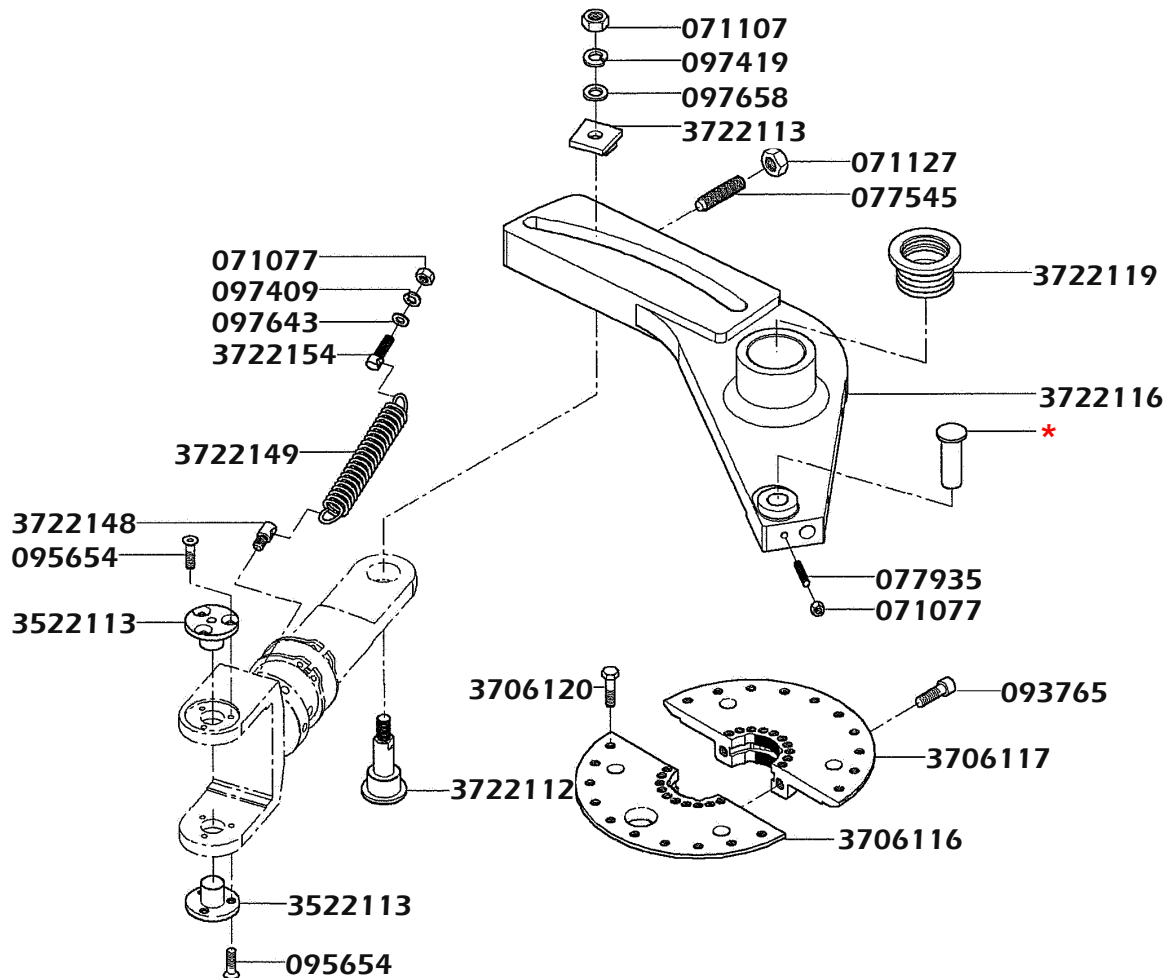
*Perno / rullo camme – Pin / cam roller

	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3722122 	4922102 	066794 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Incluse Included



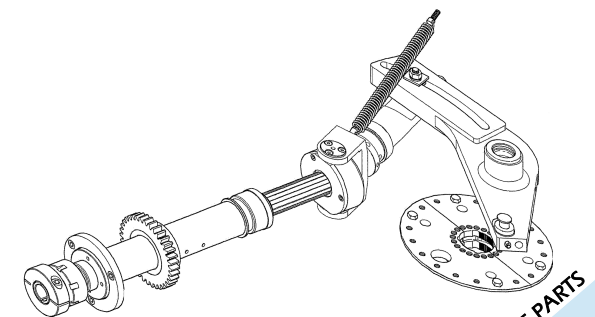


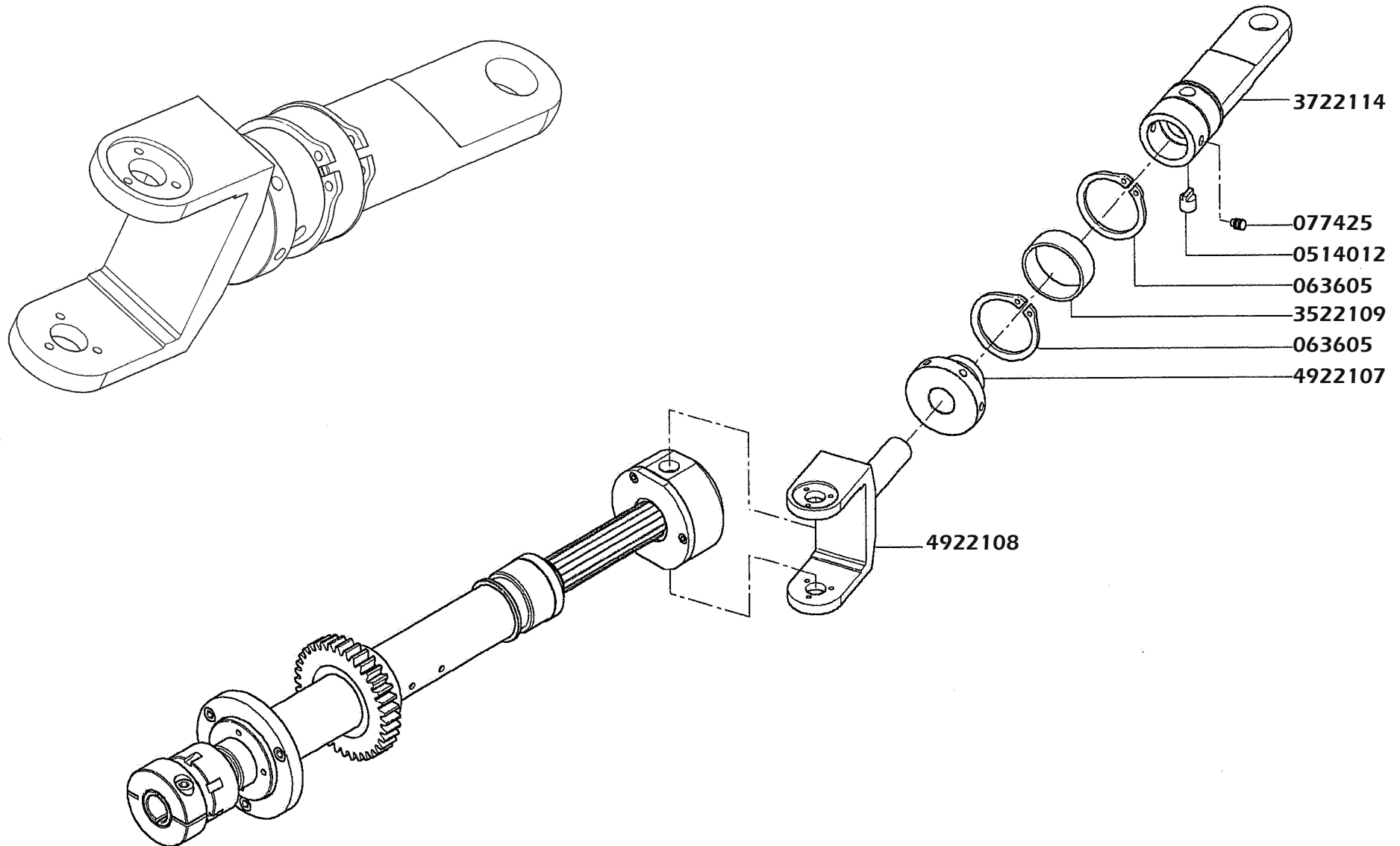


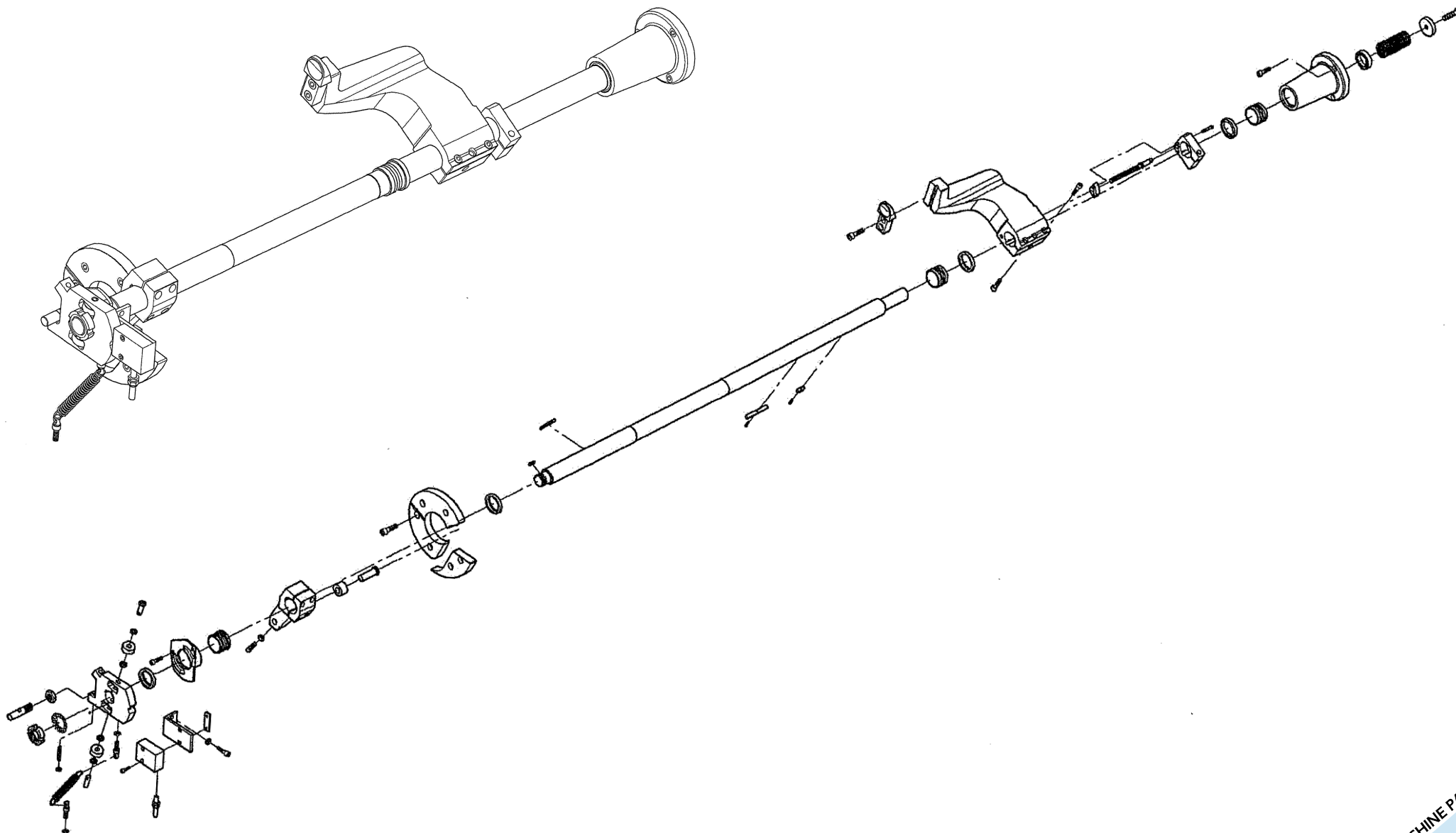


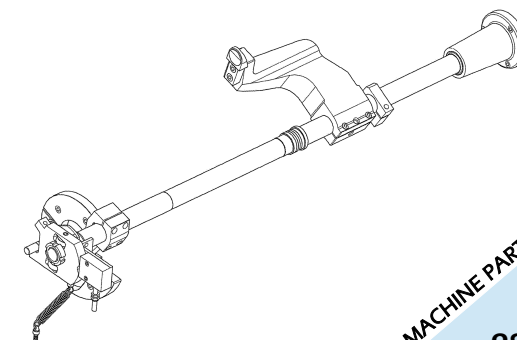
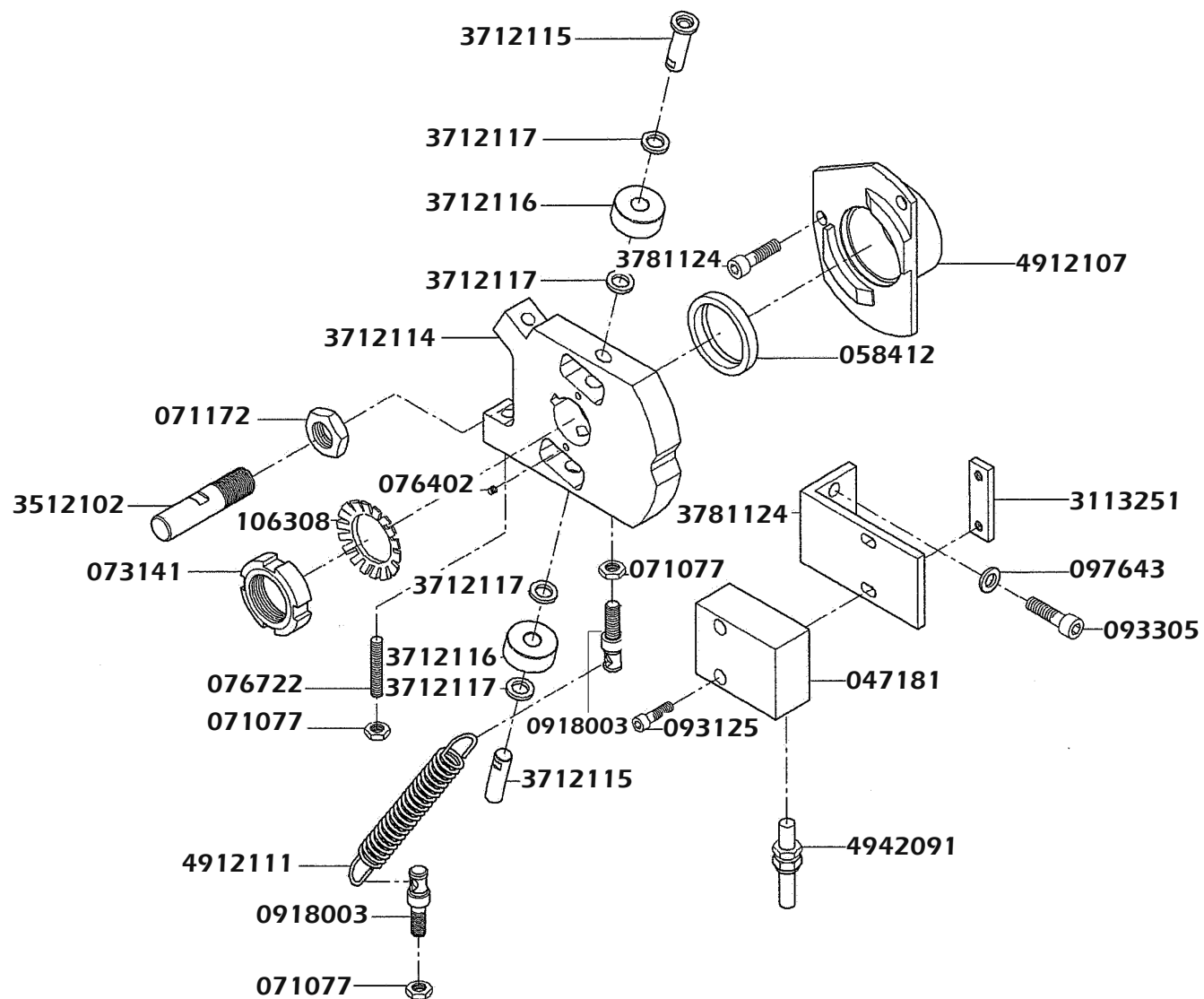
* Perno / rullo camme – Pin / cam roller

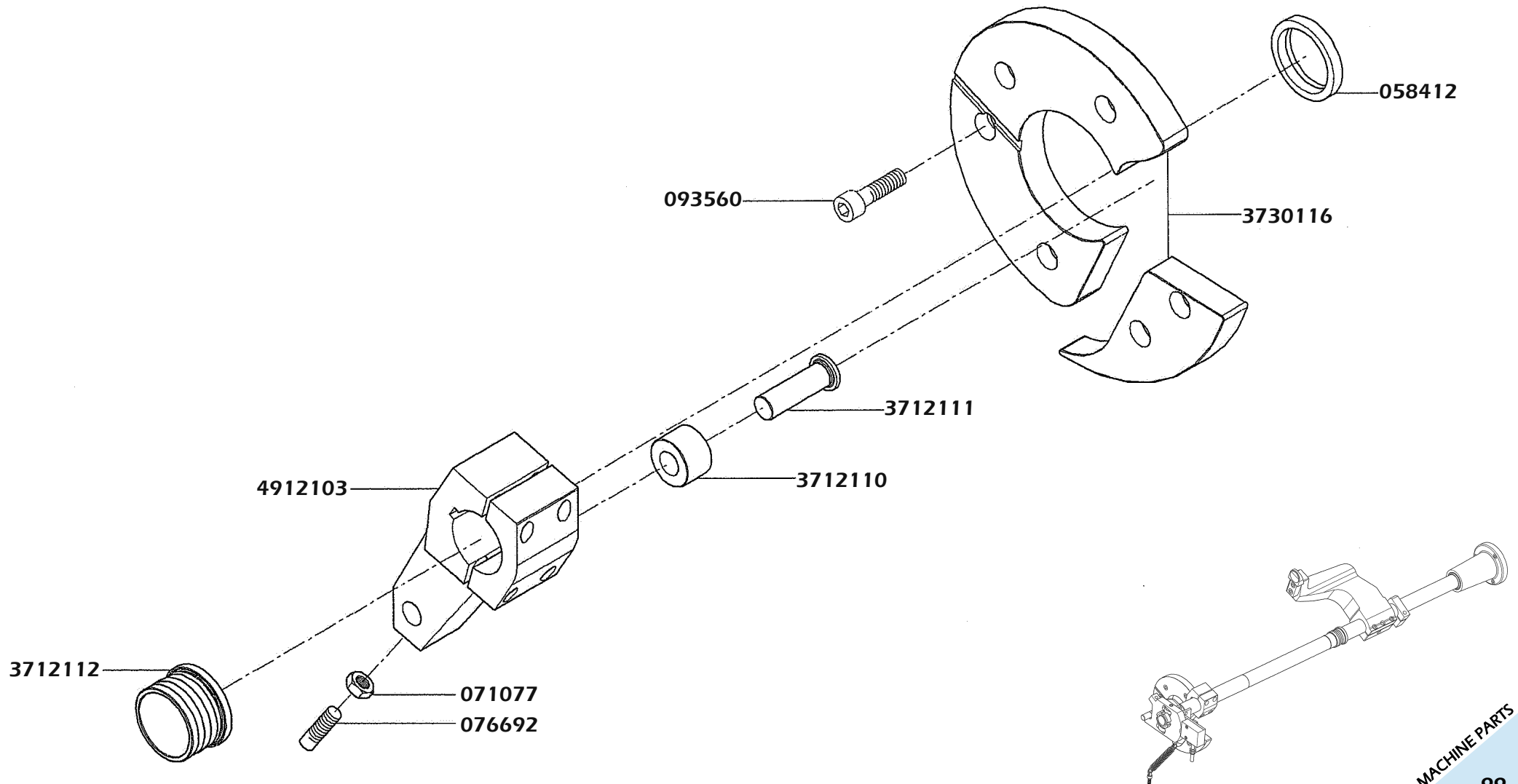
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3722122 	4922102 	066794 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Incluse Included

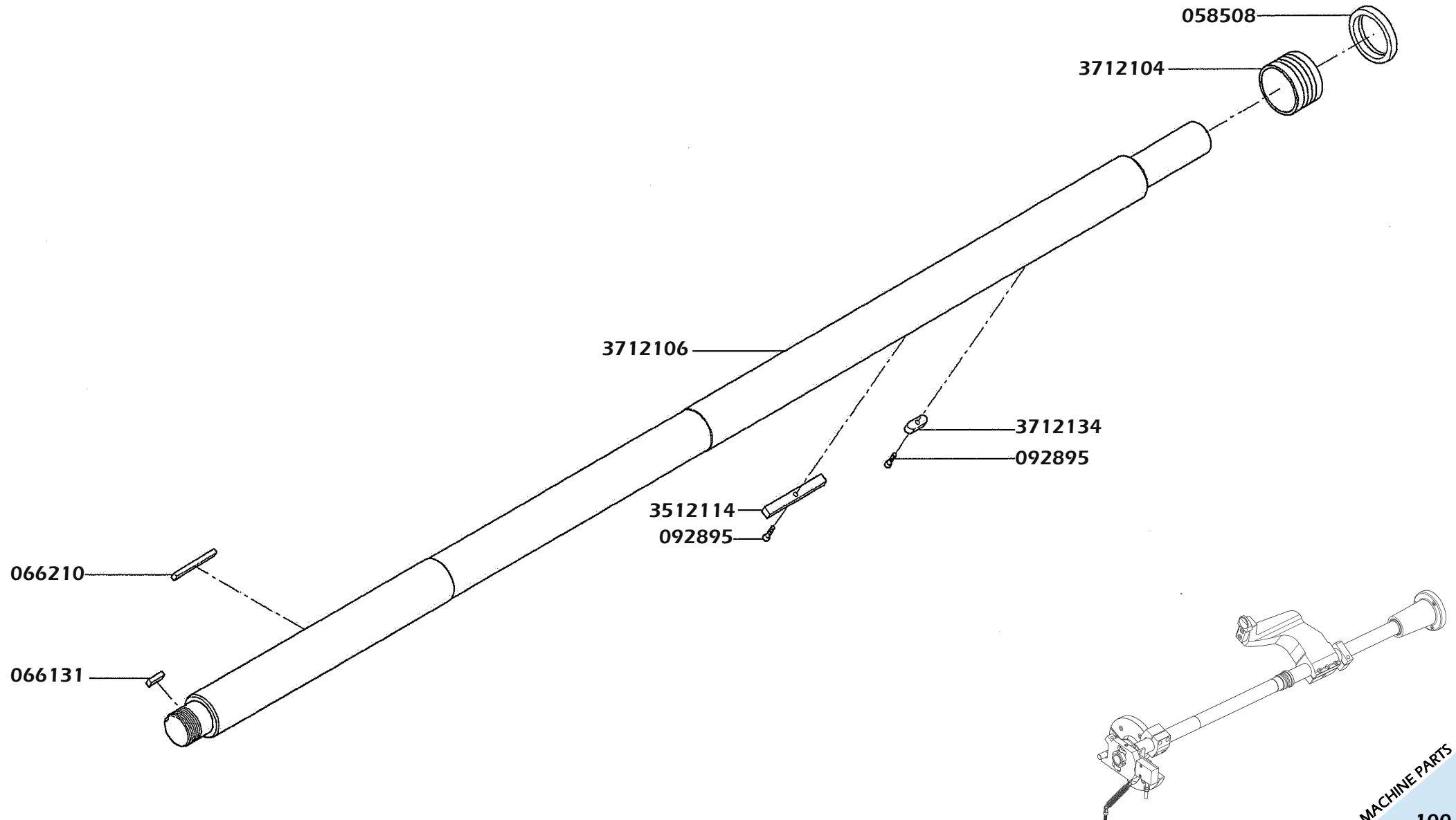


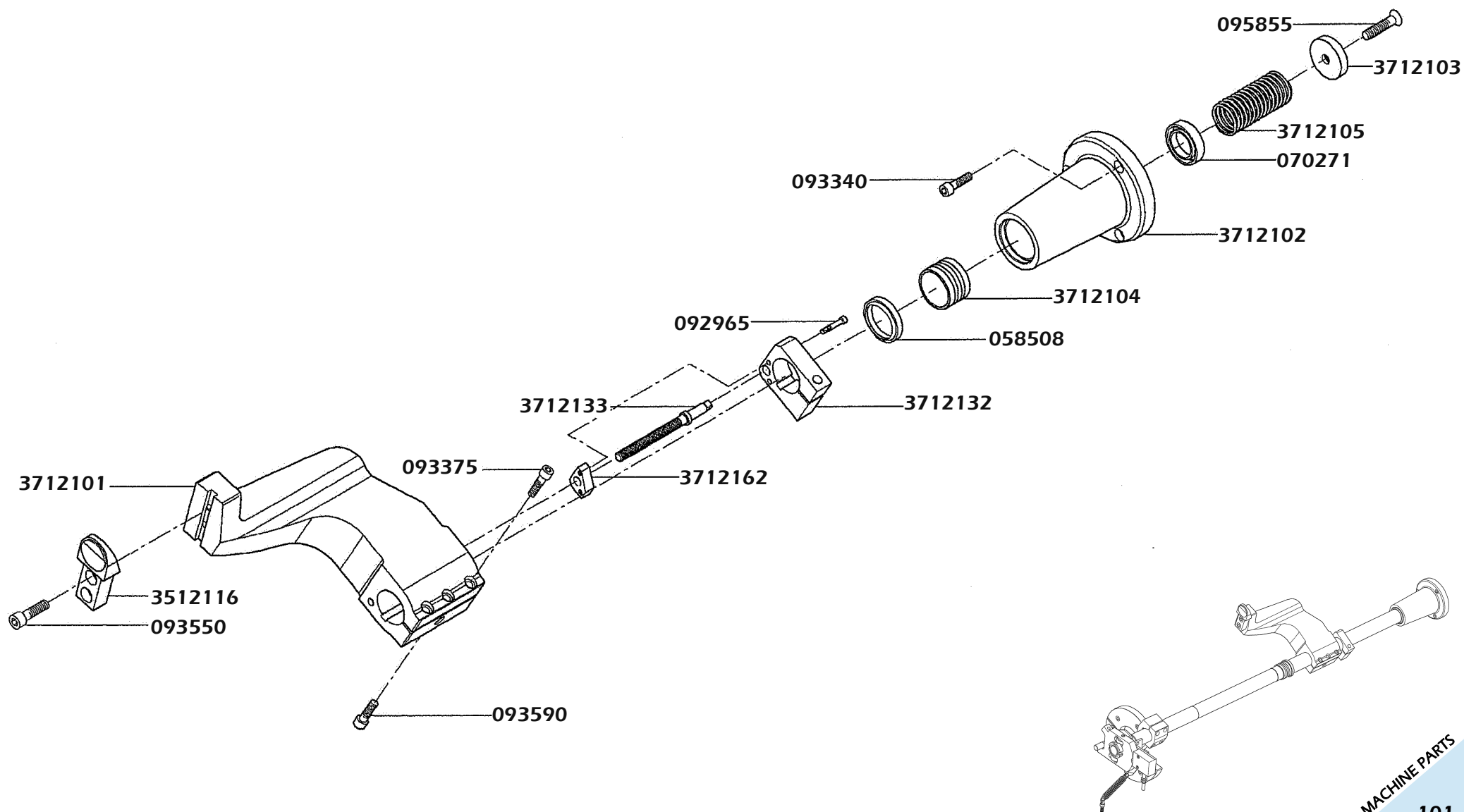


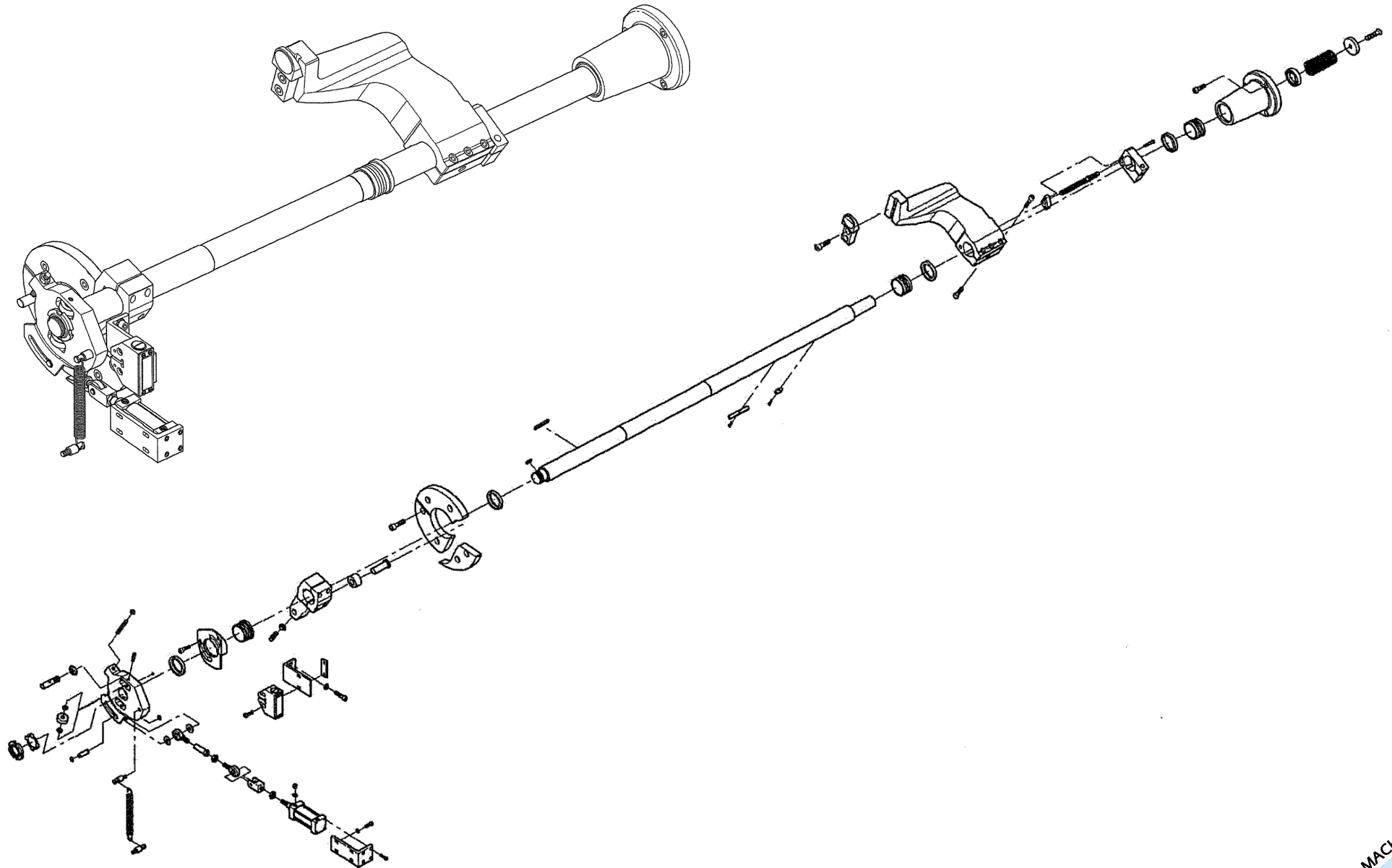


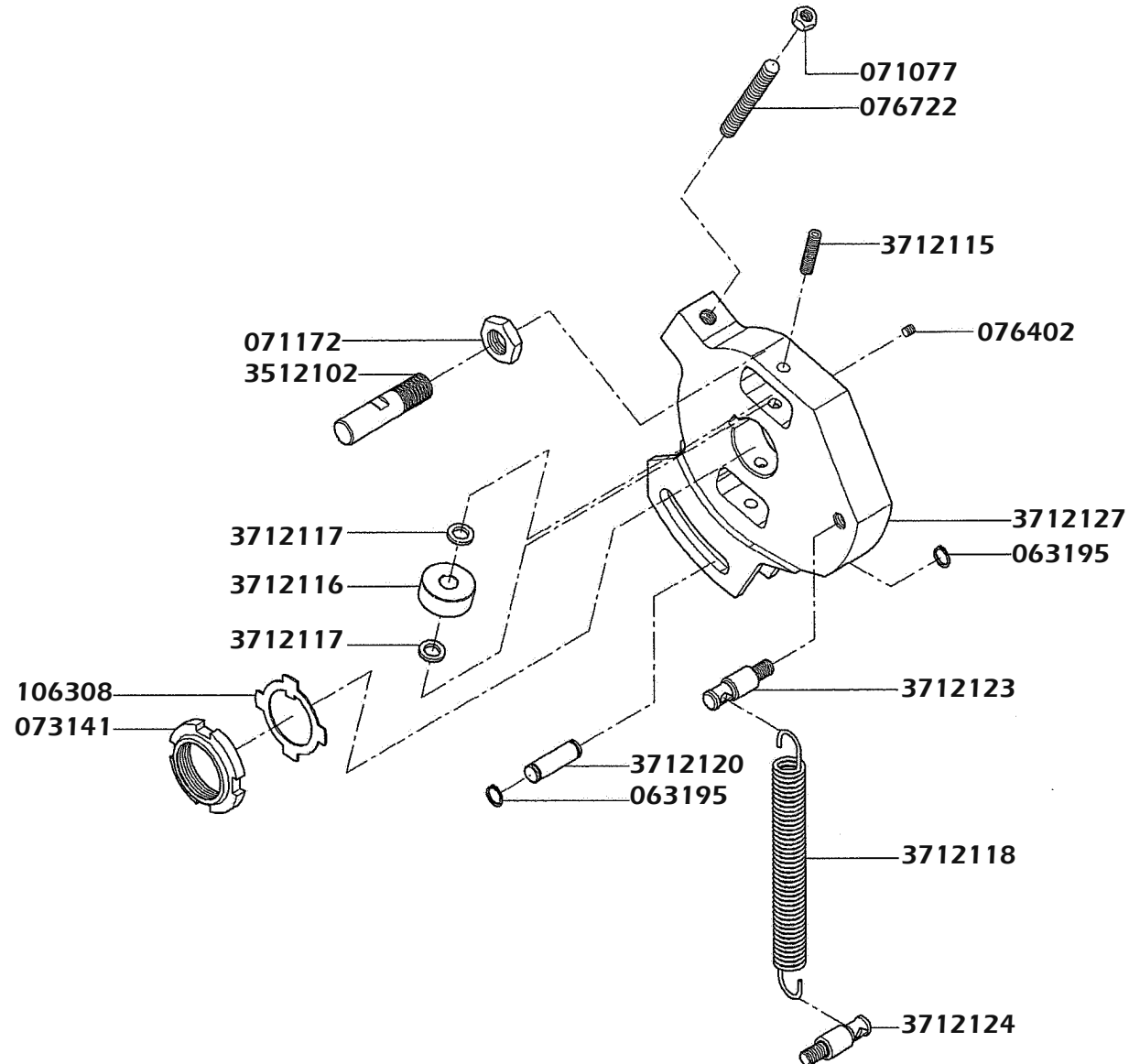


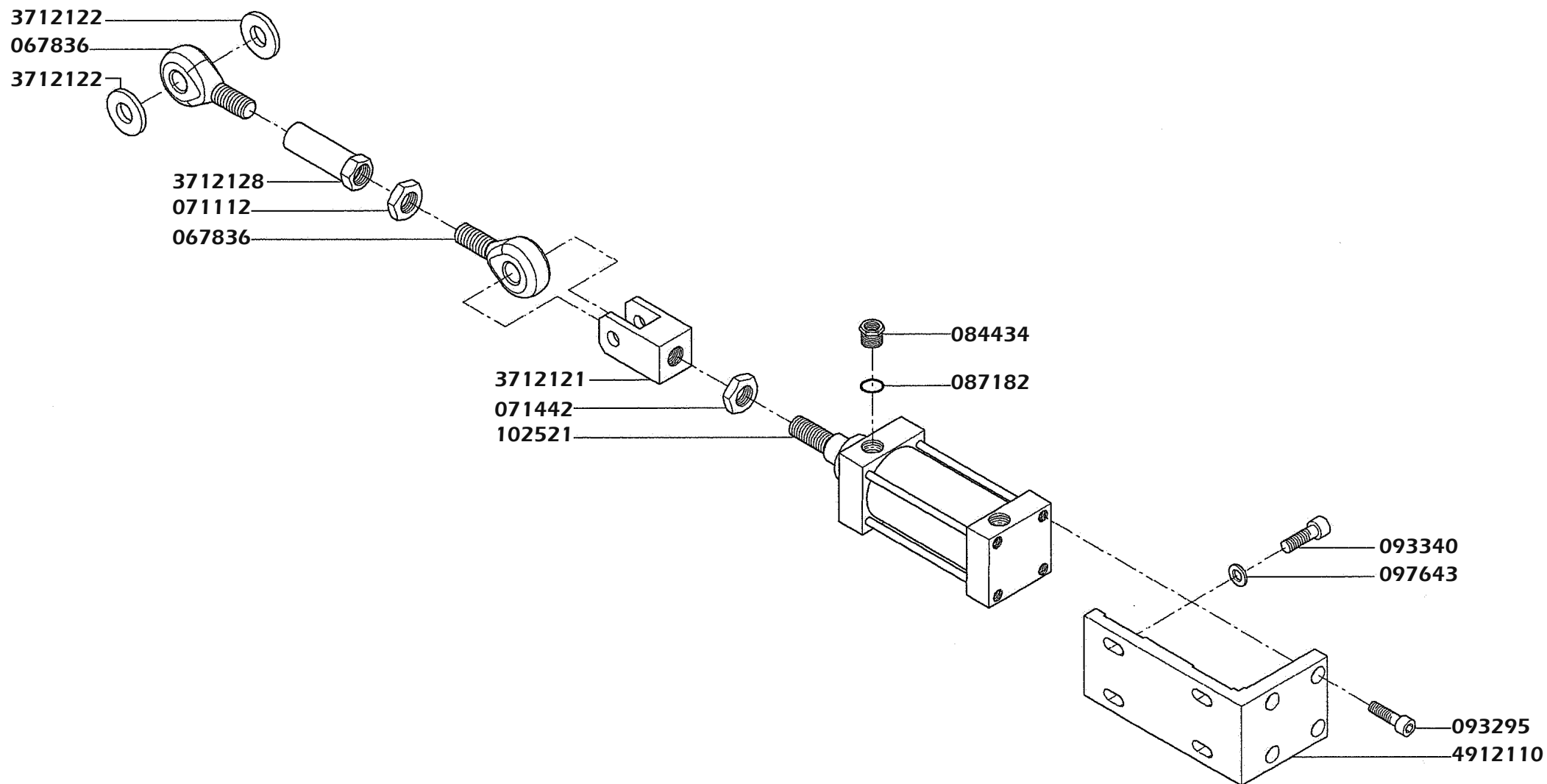


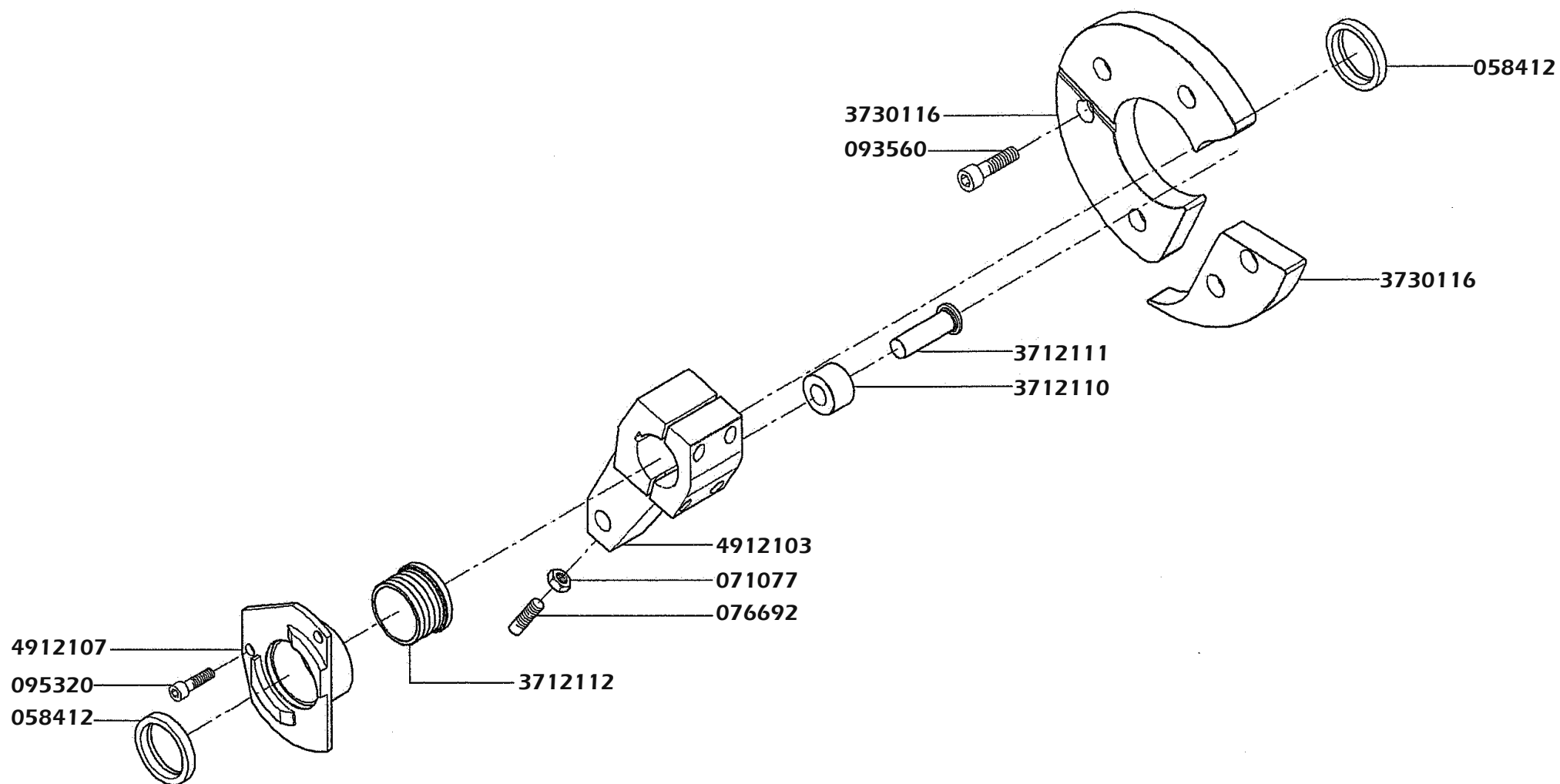


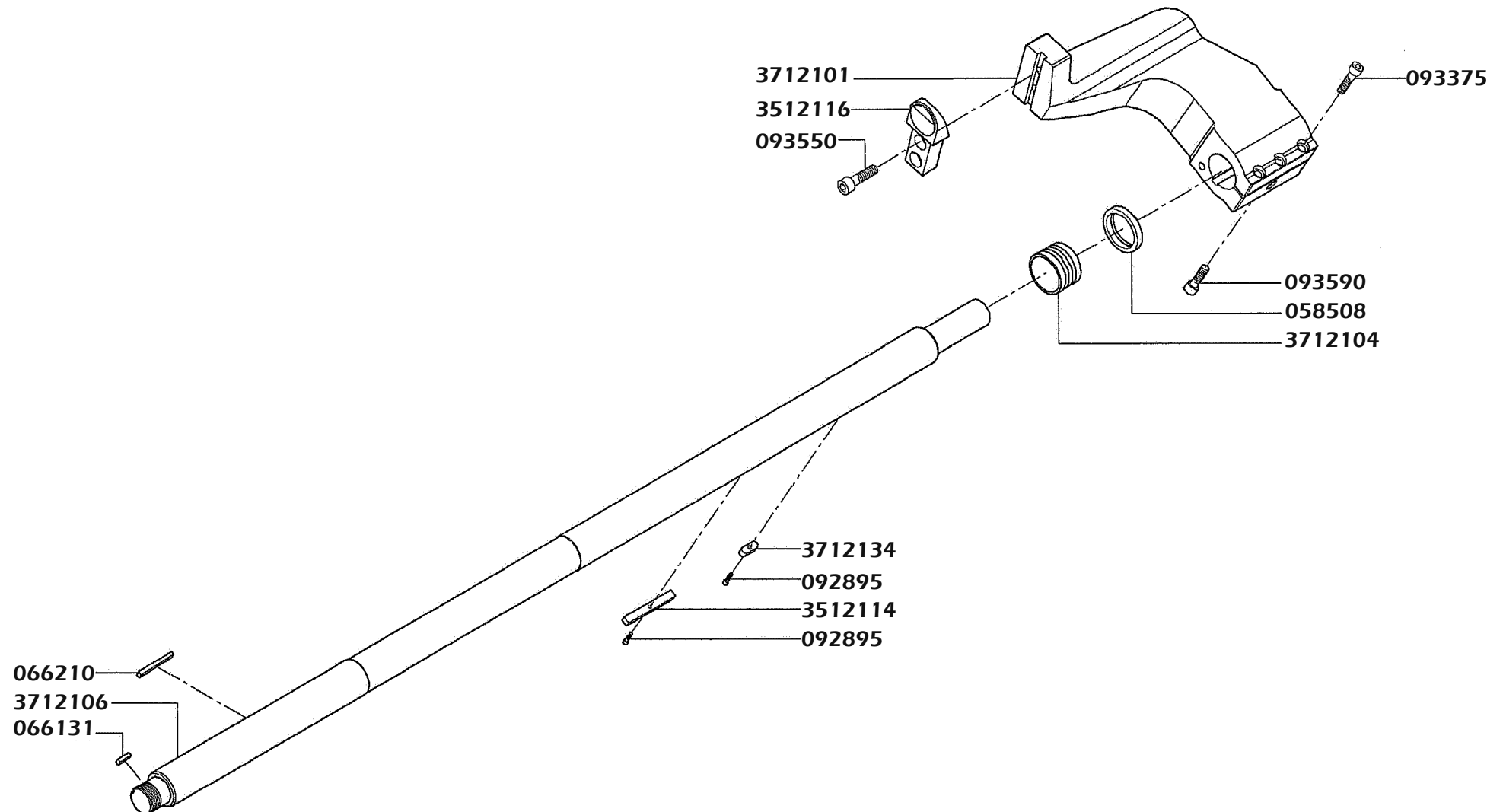


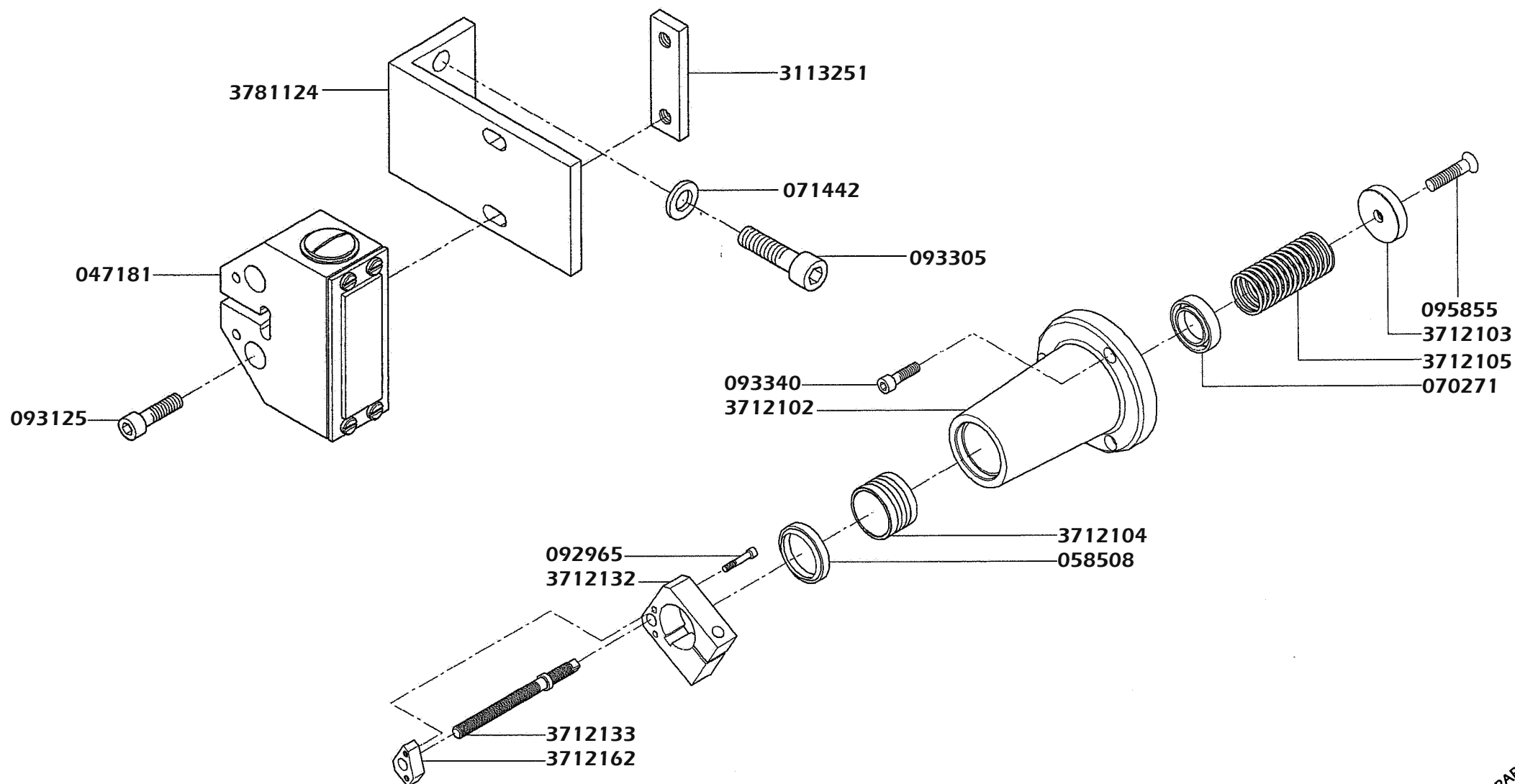


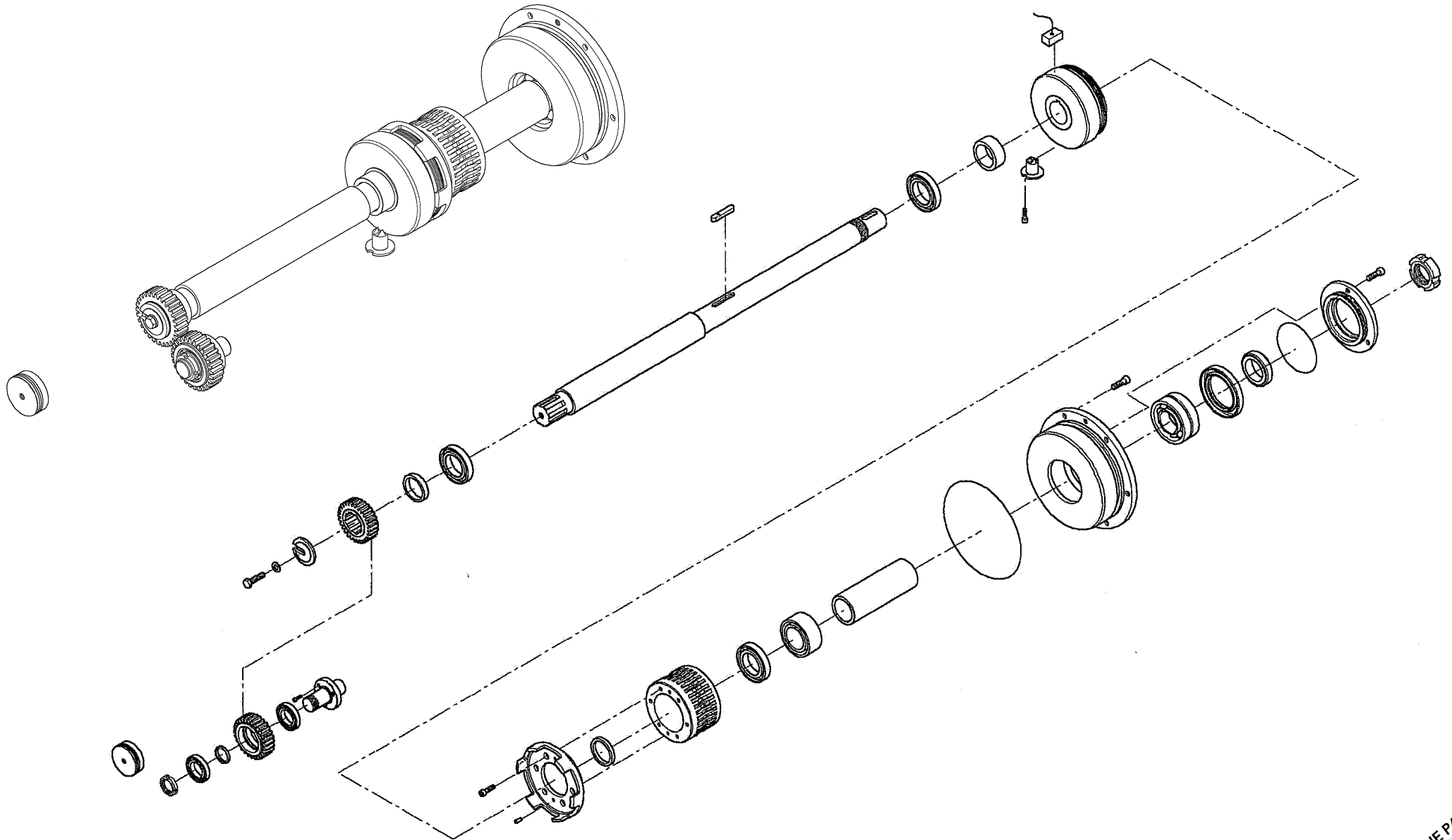


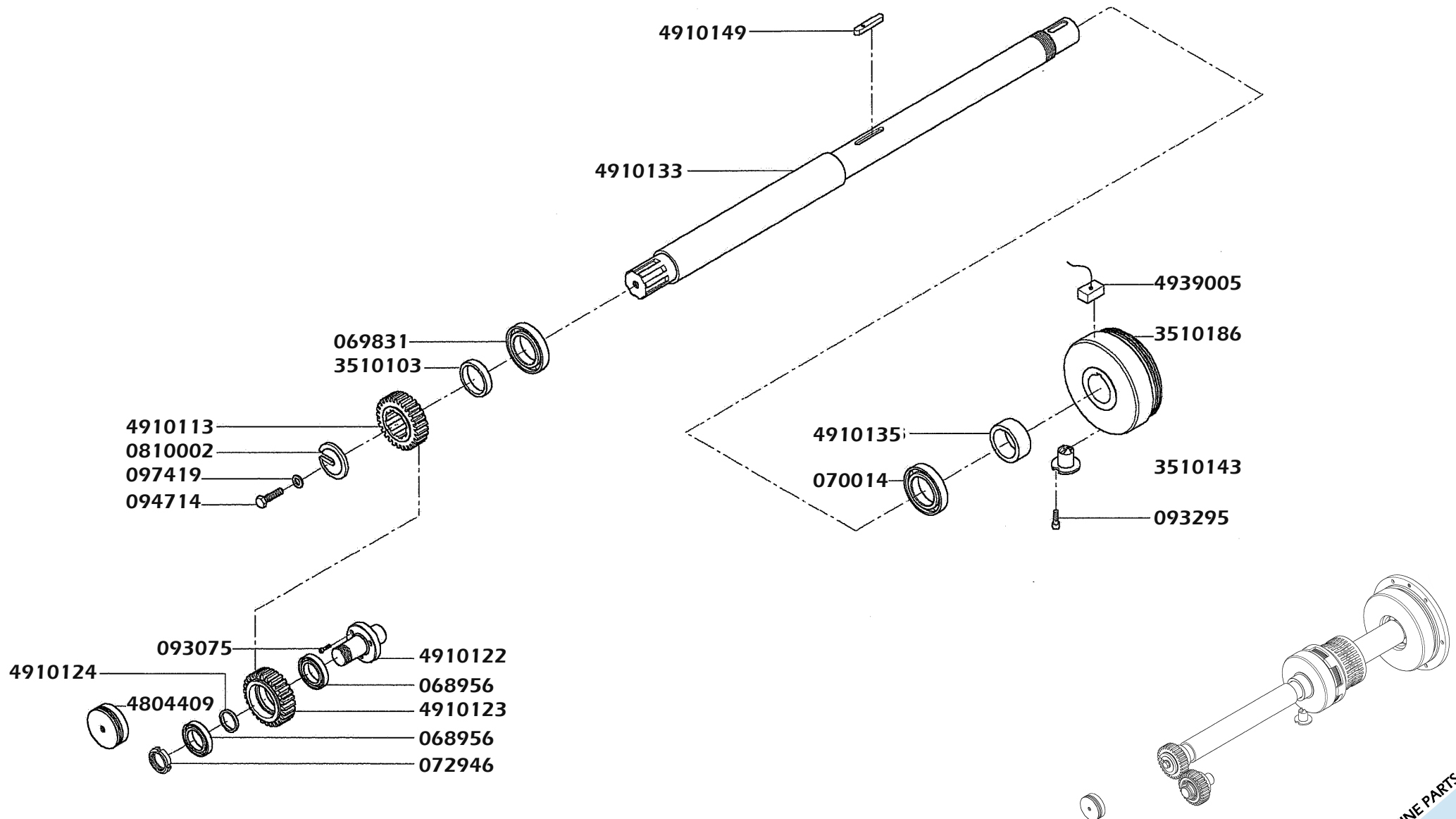


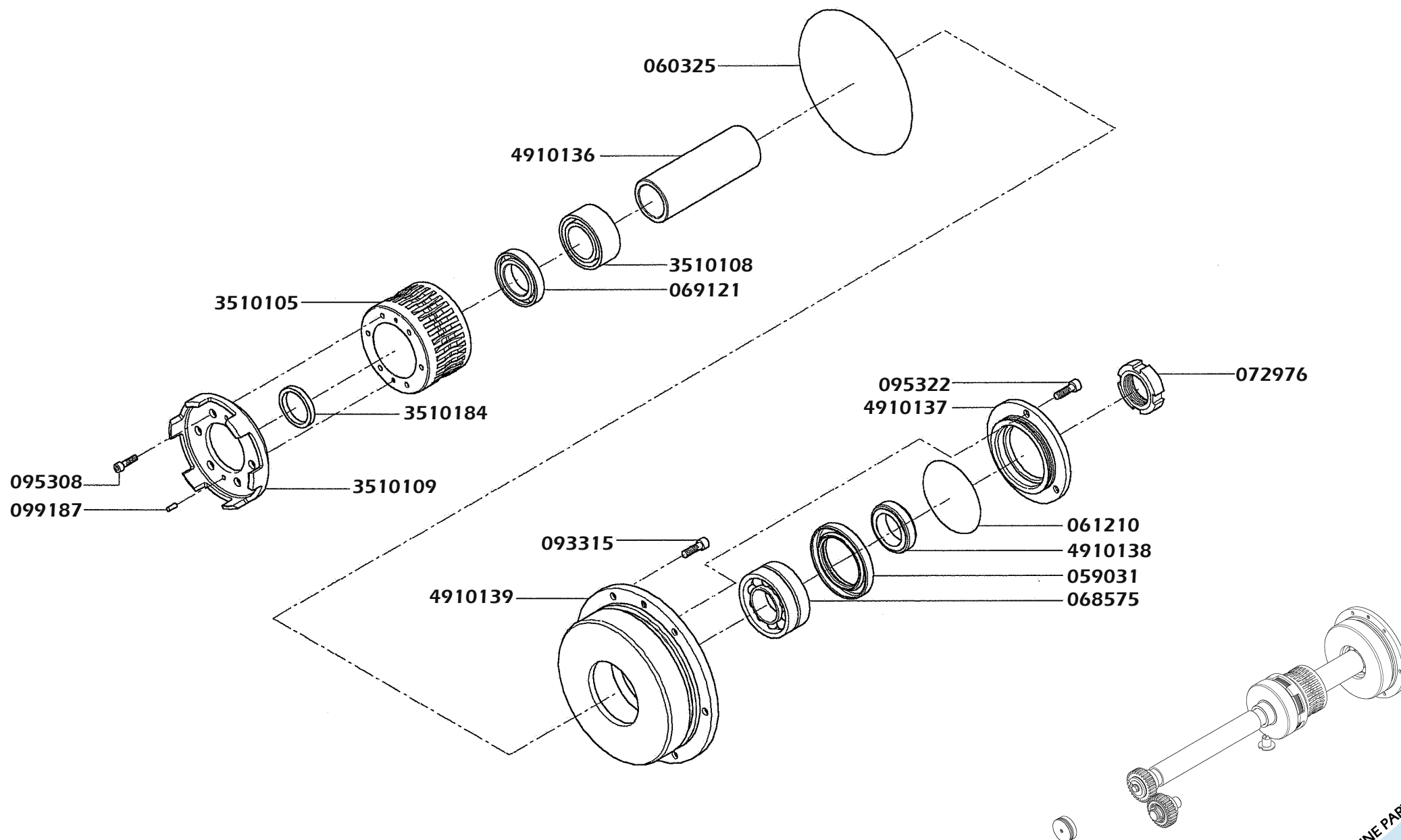


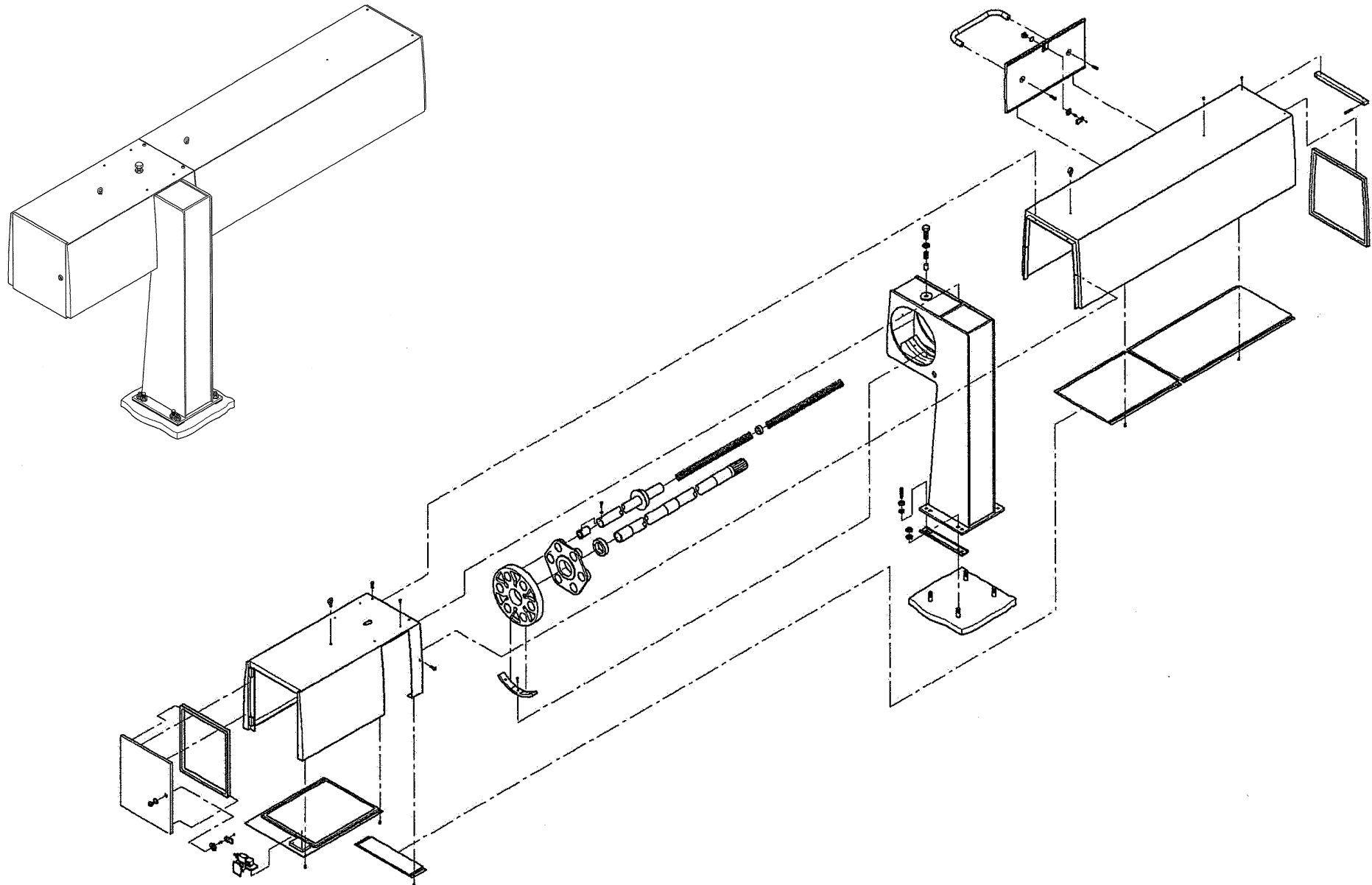


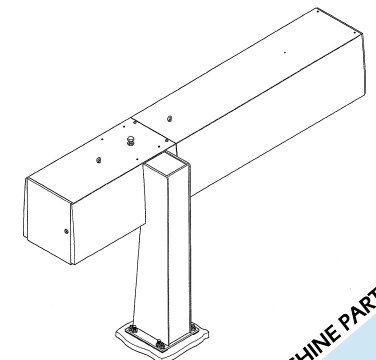
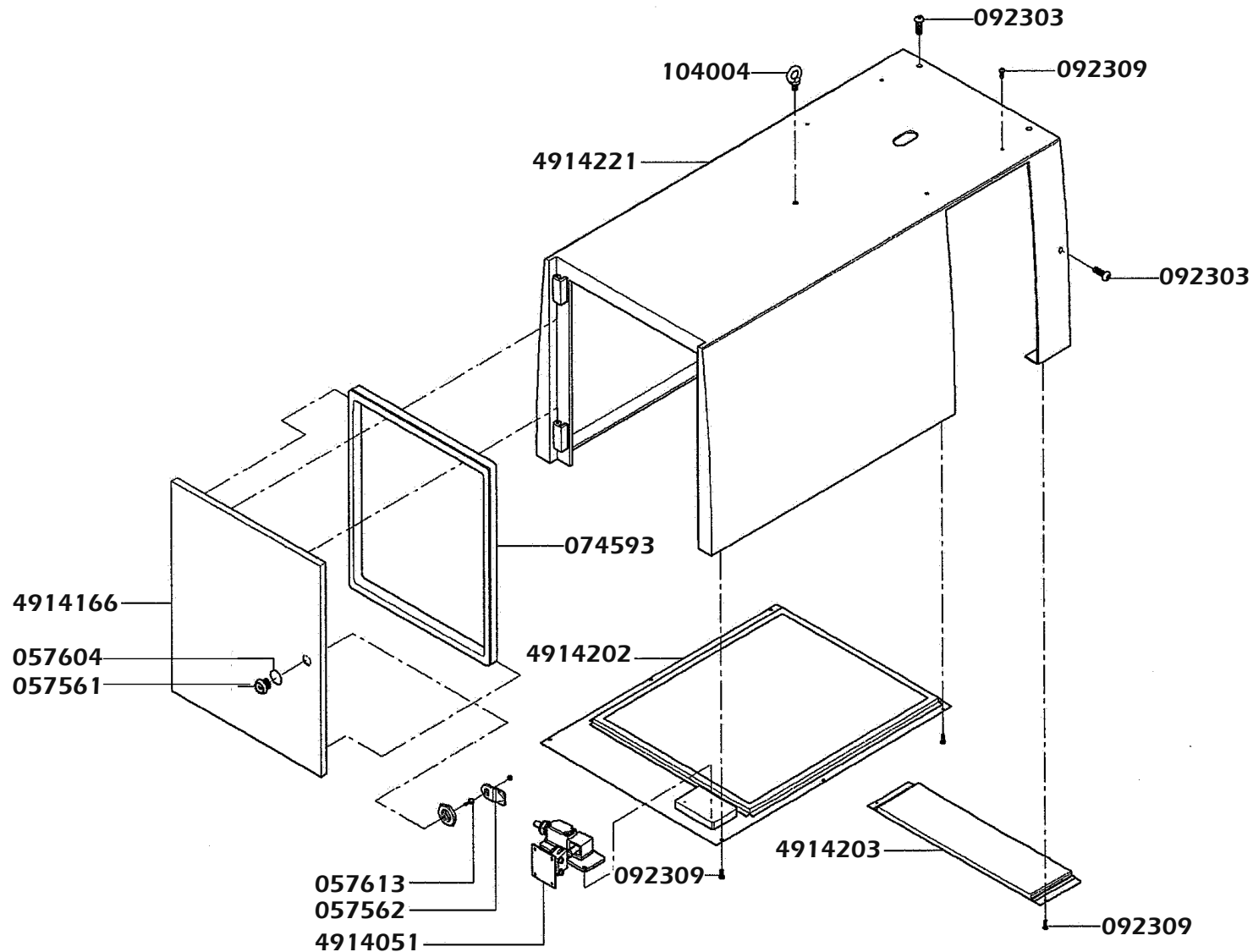


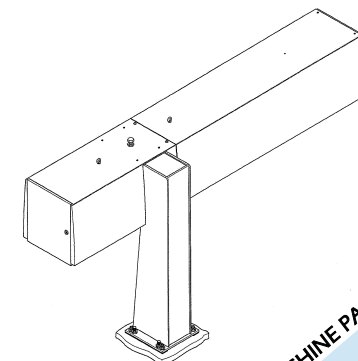
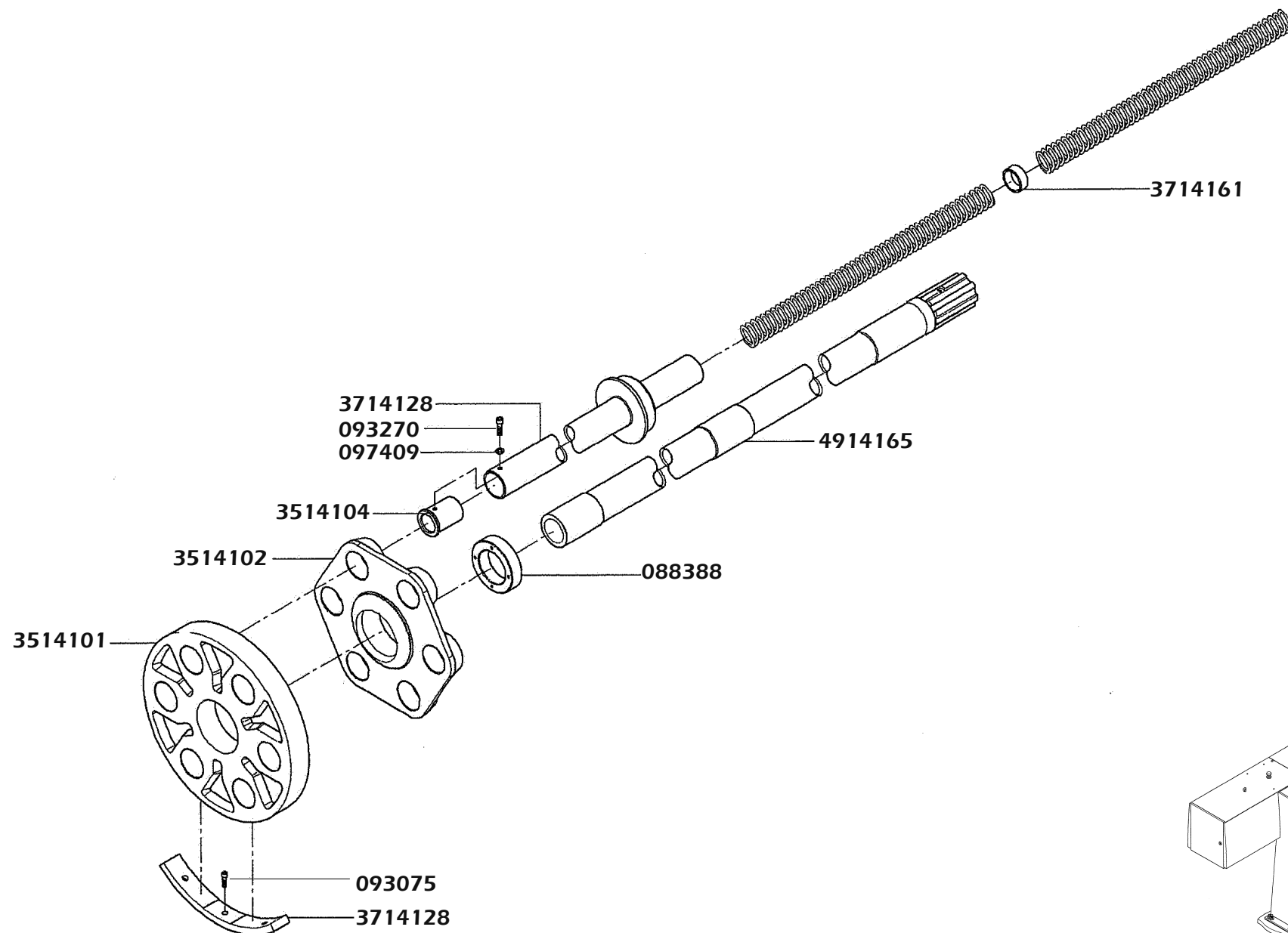


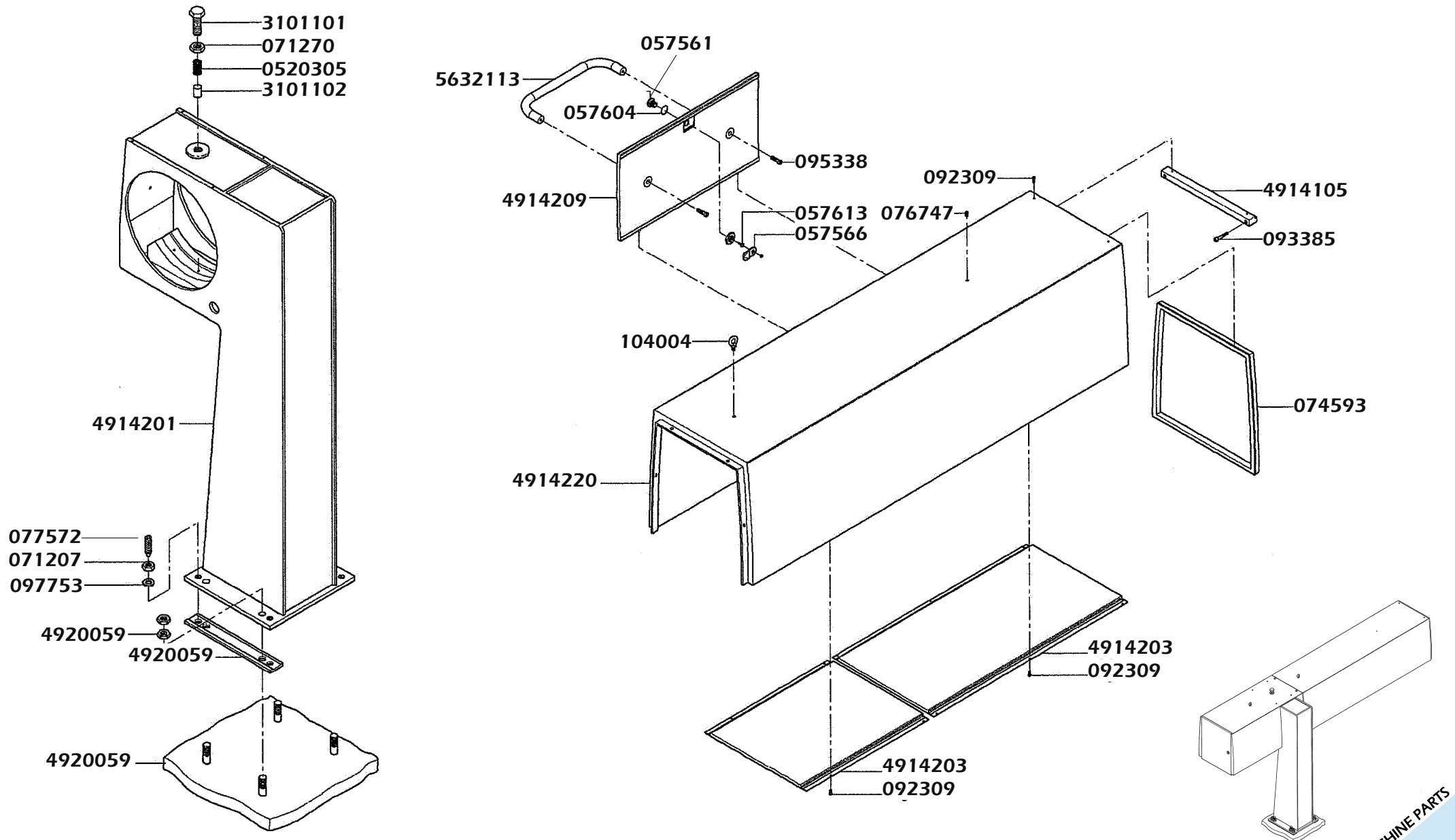


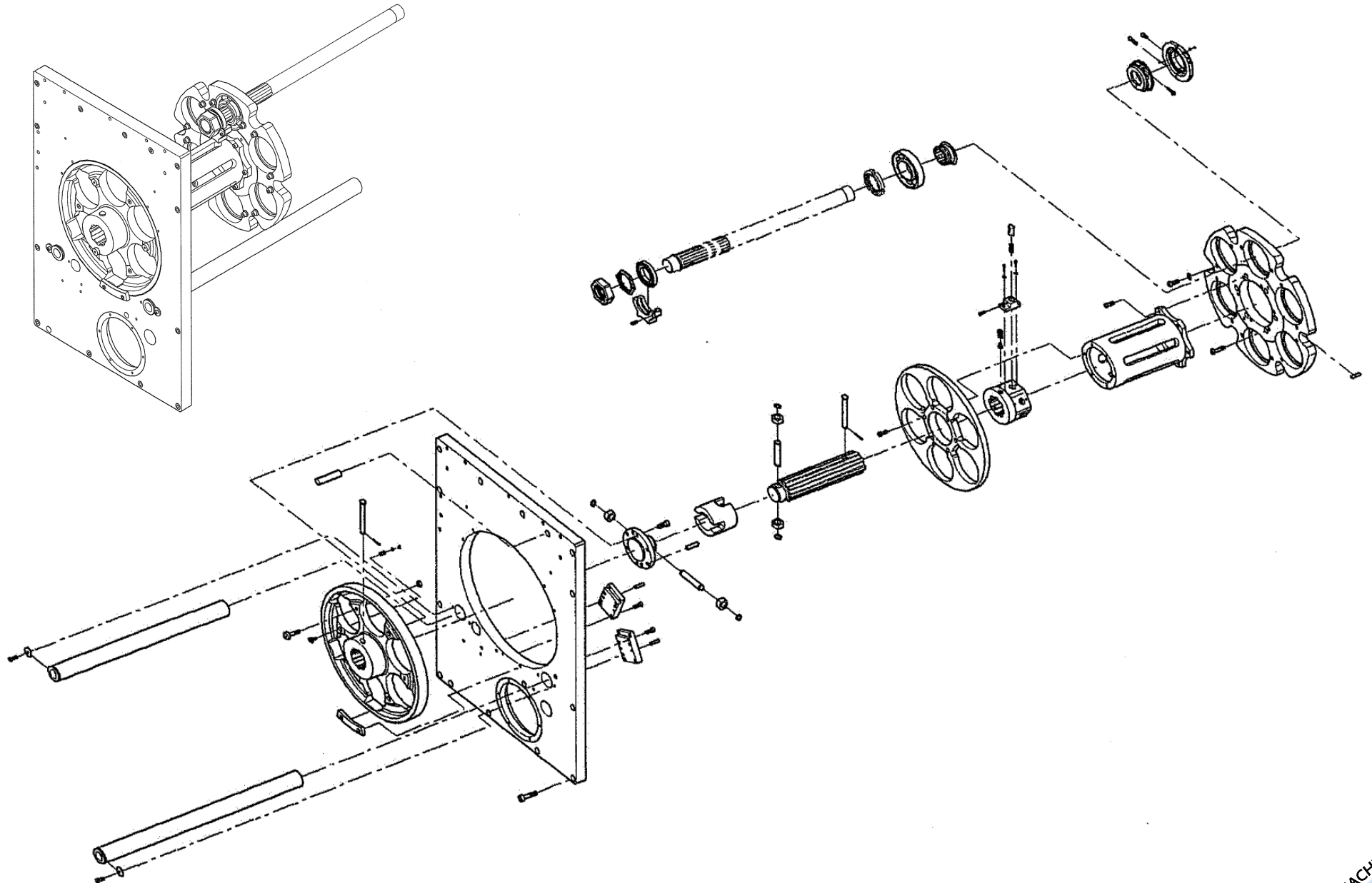


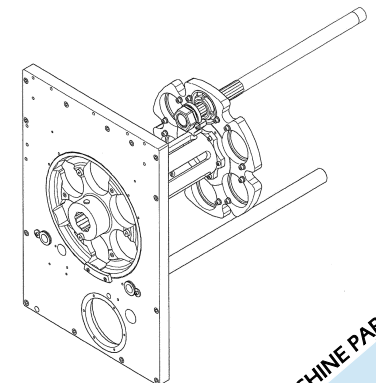
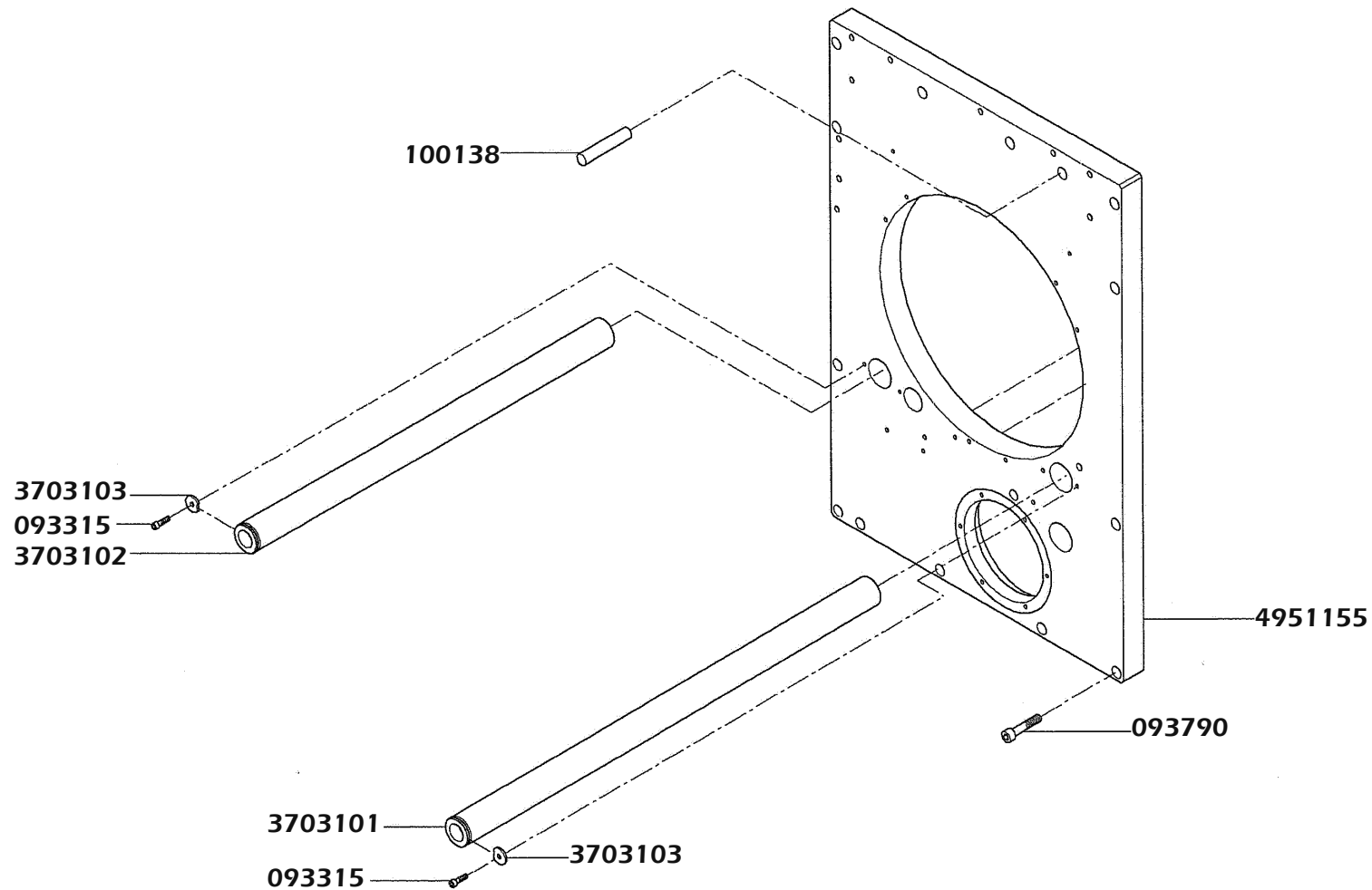


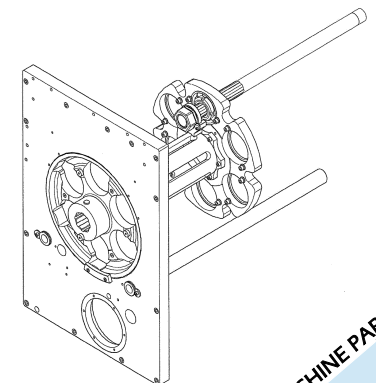
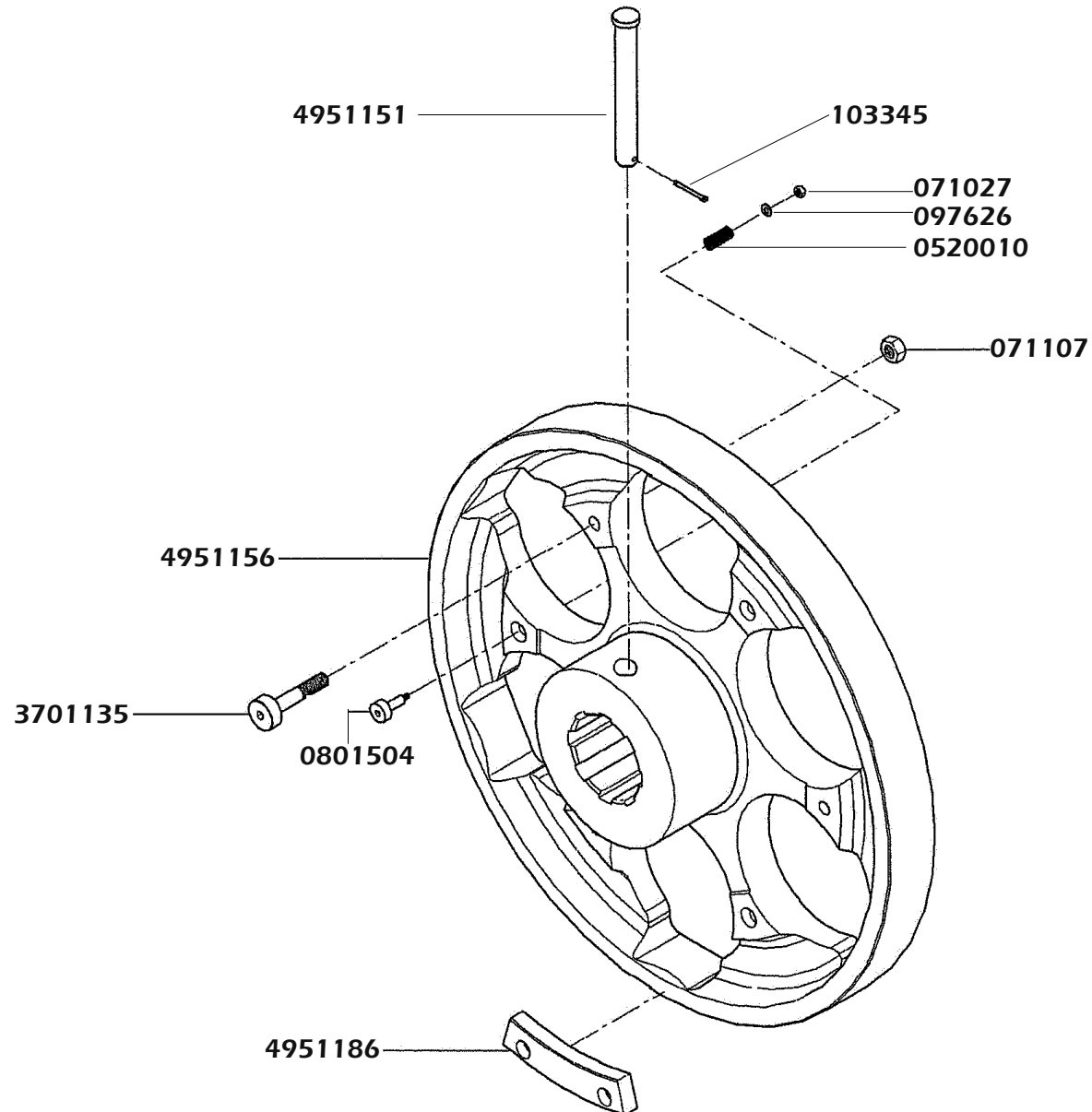


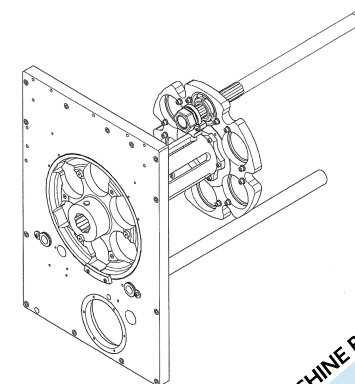
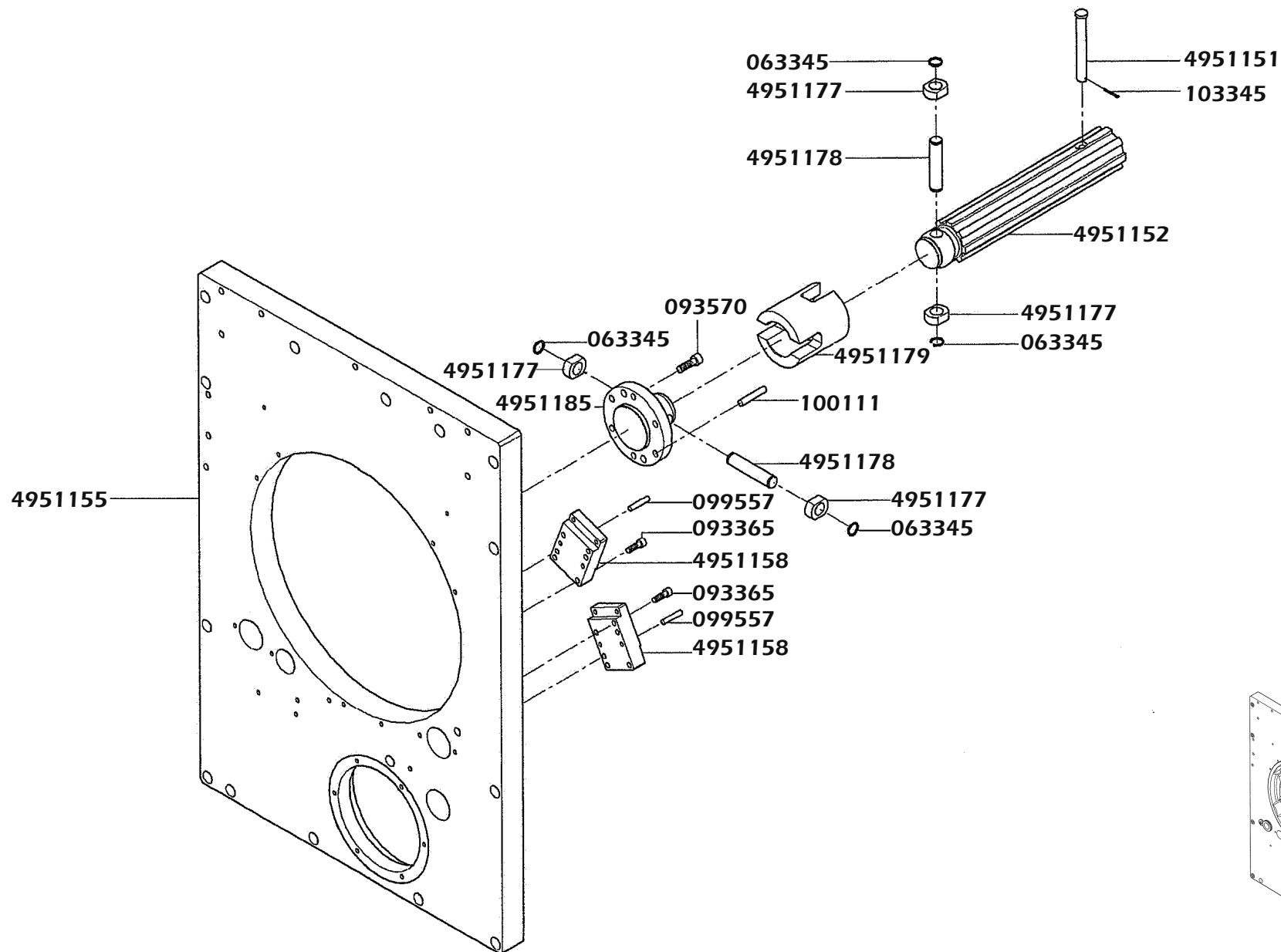


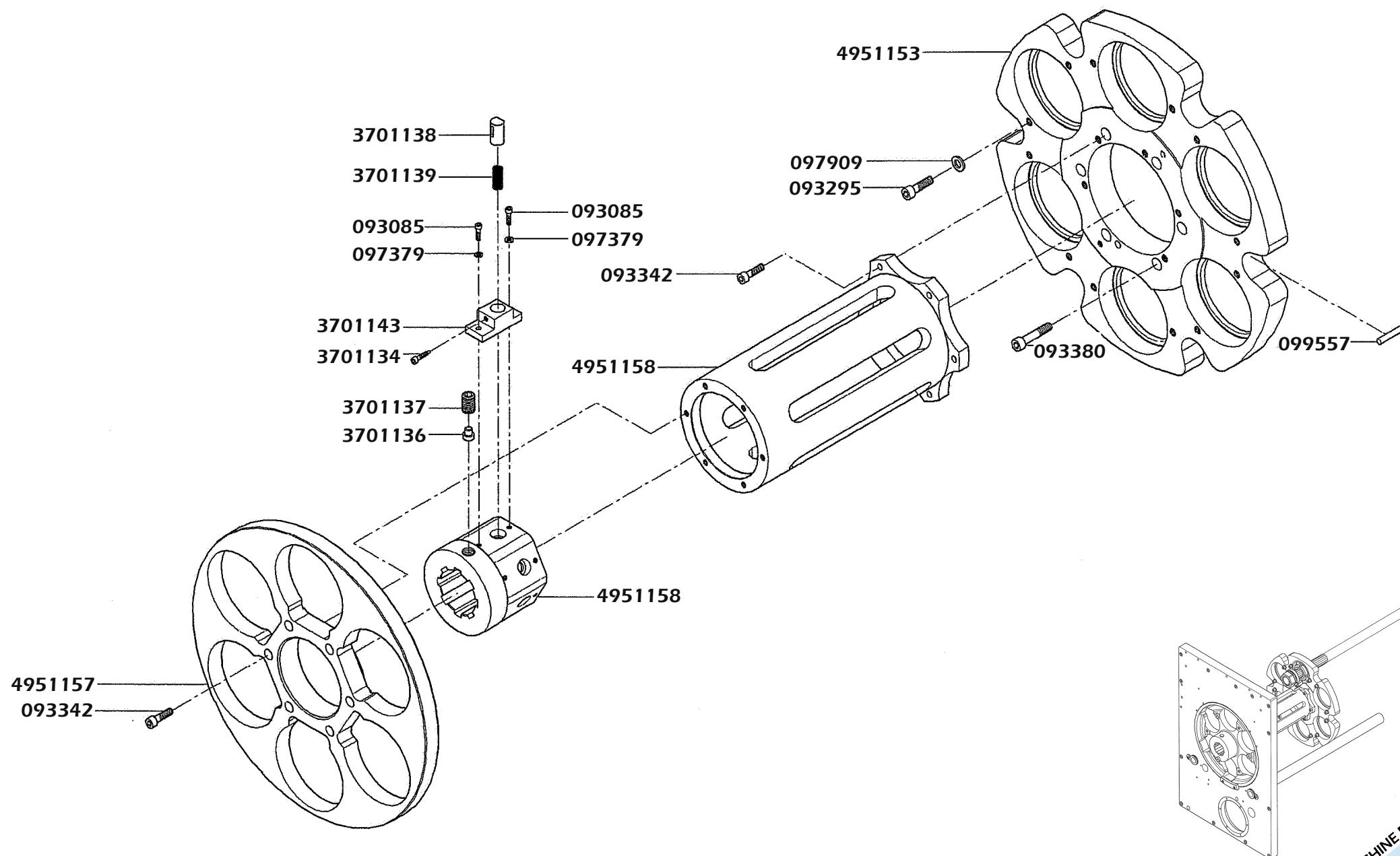


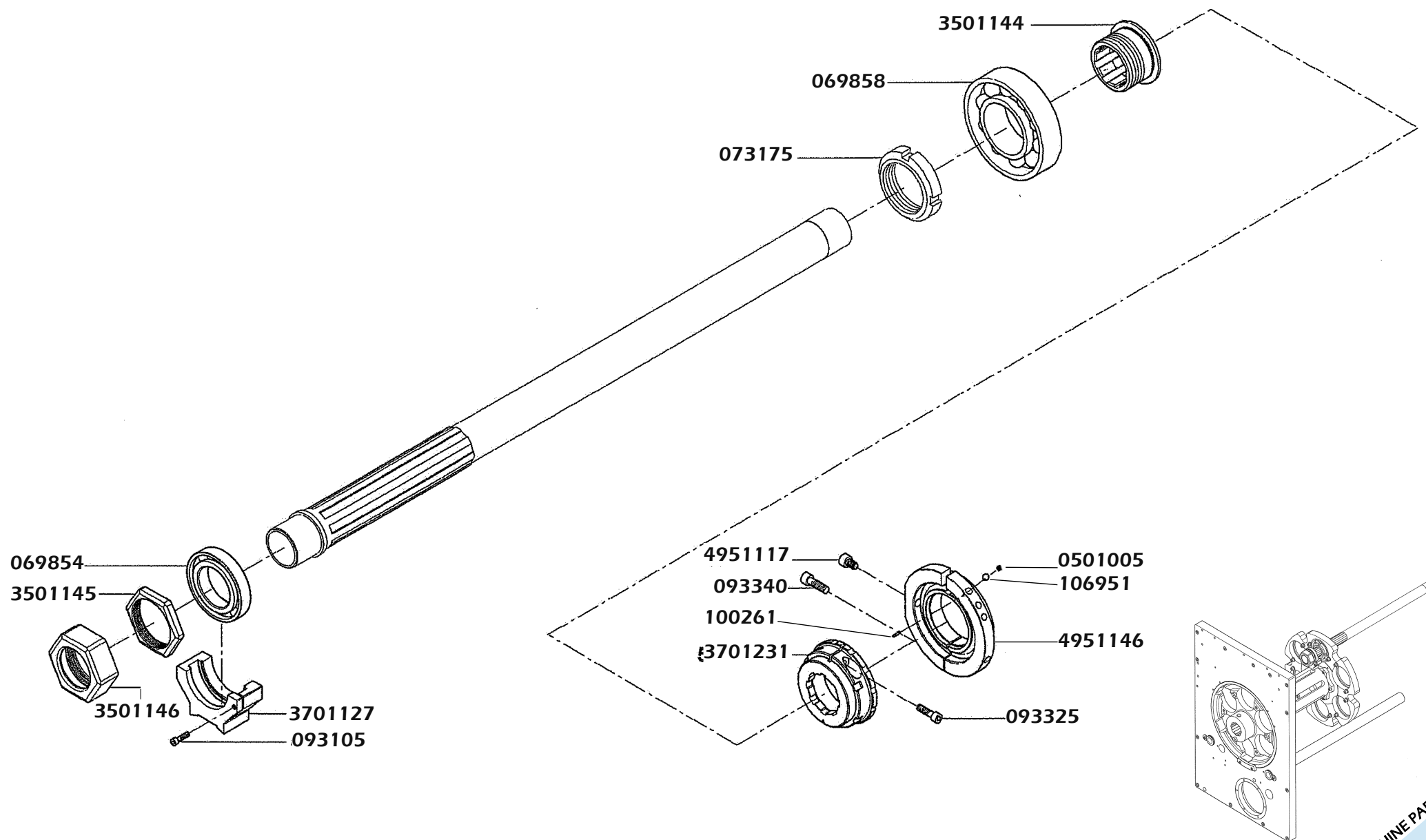


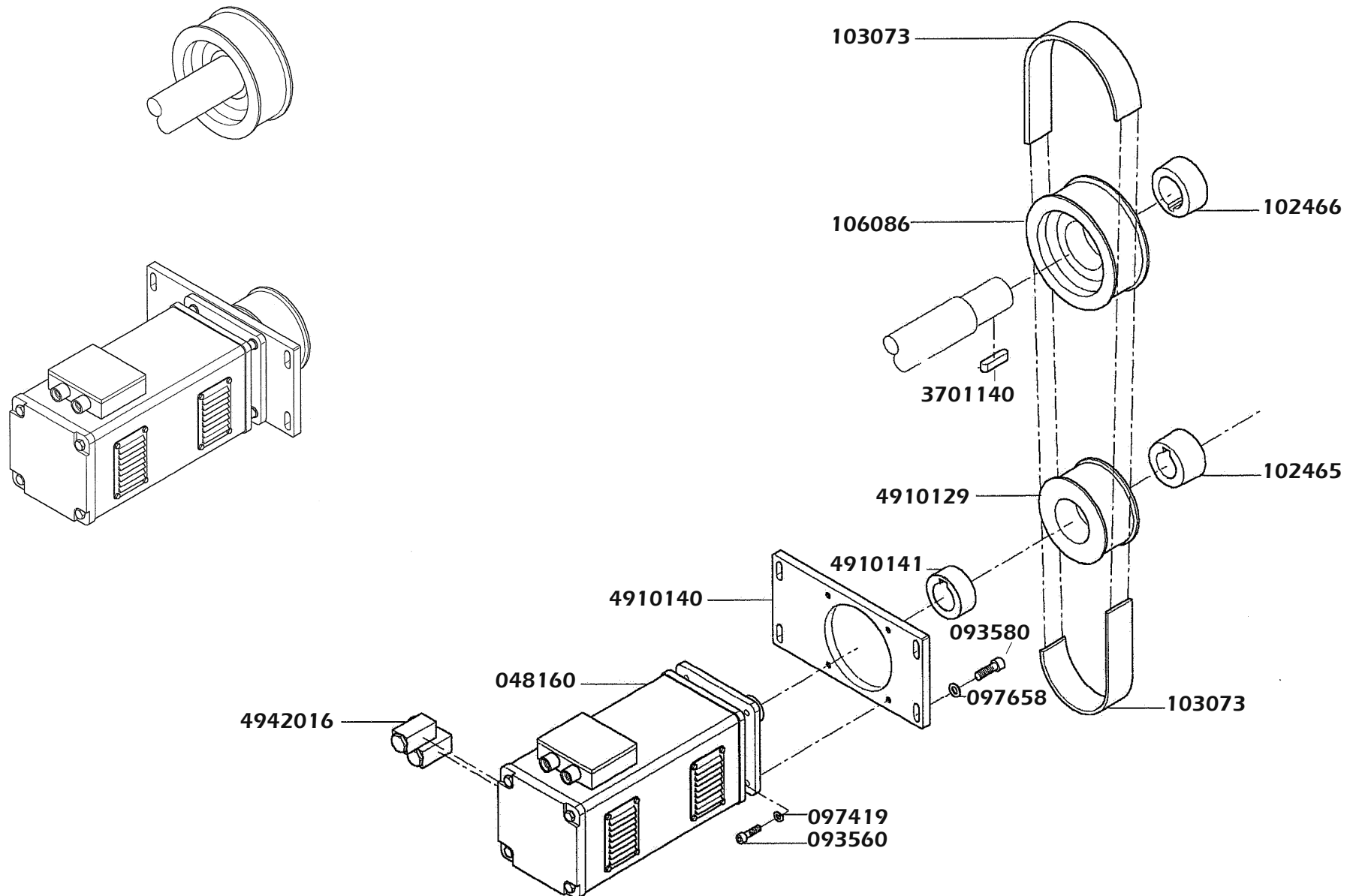


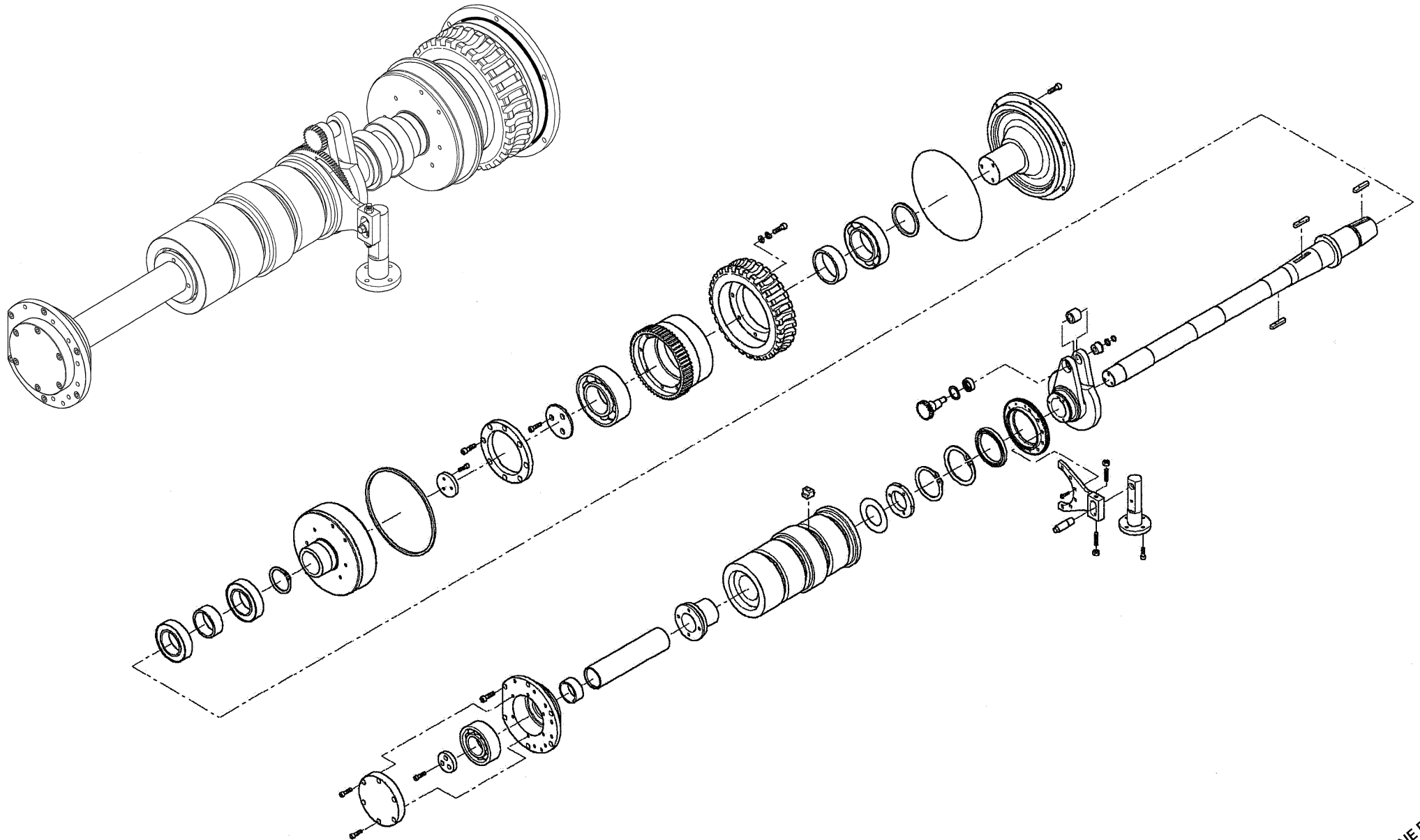


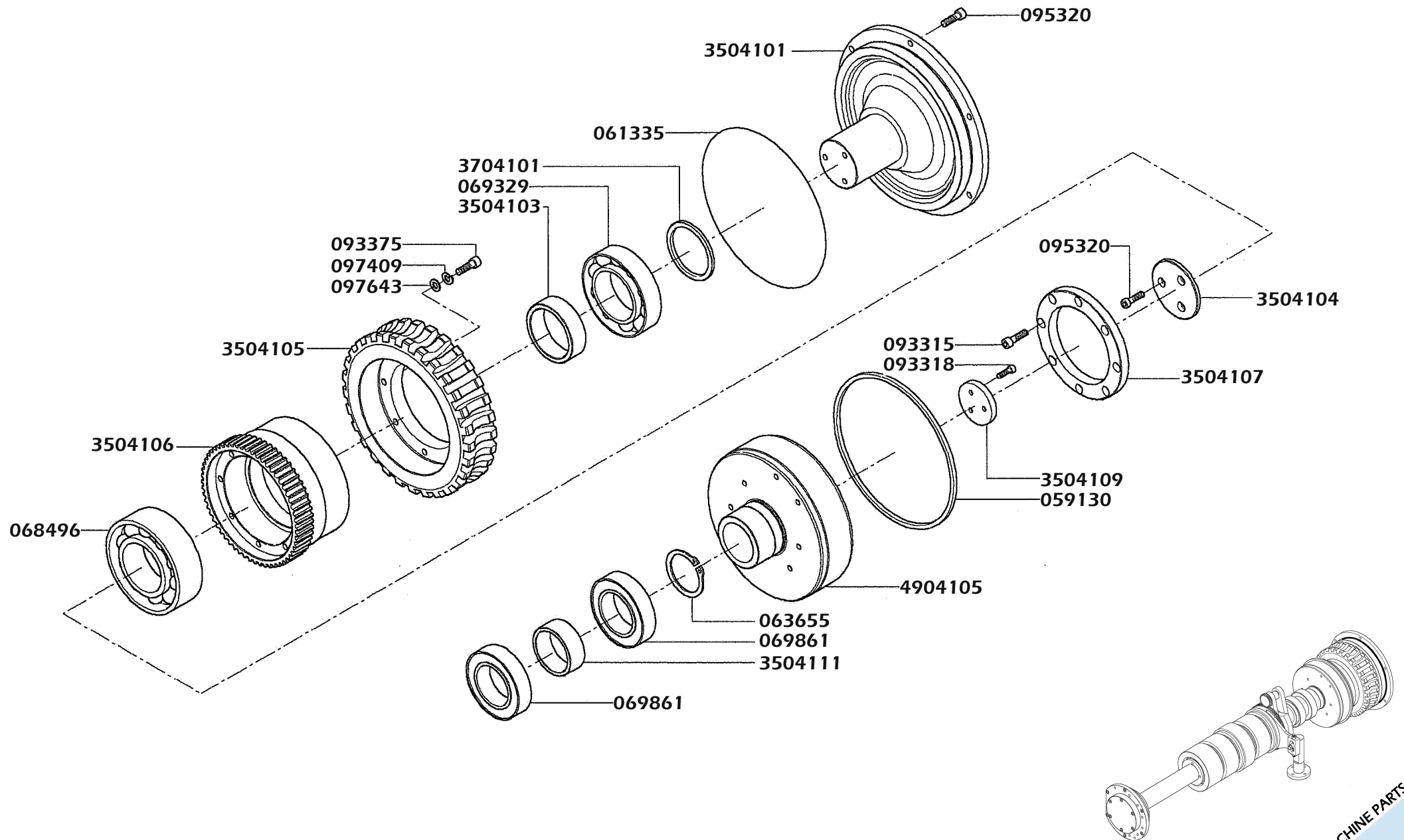


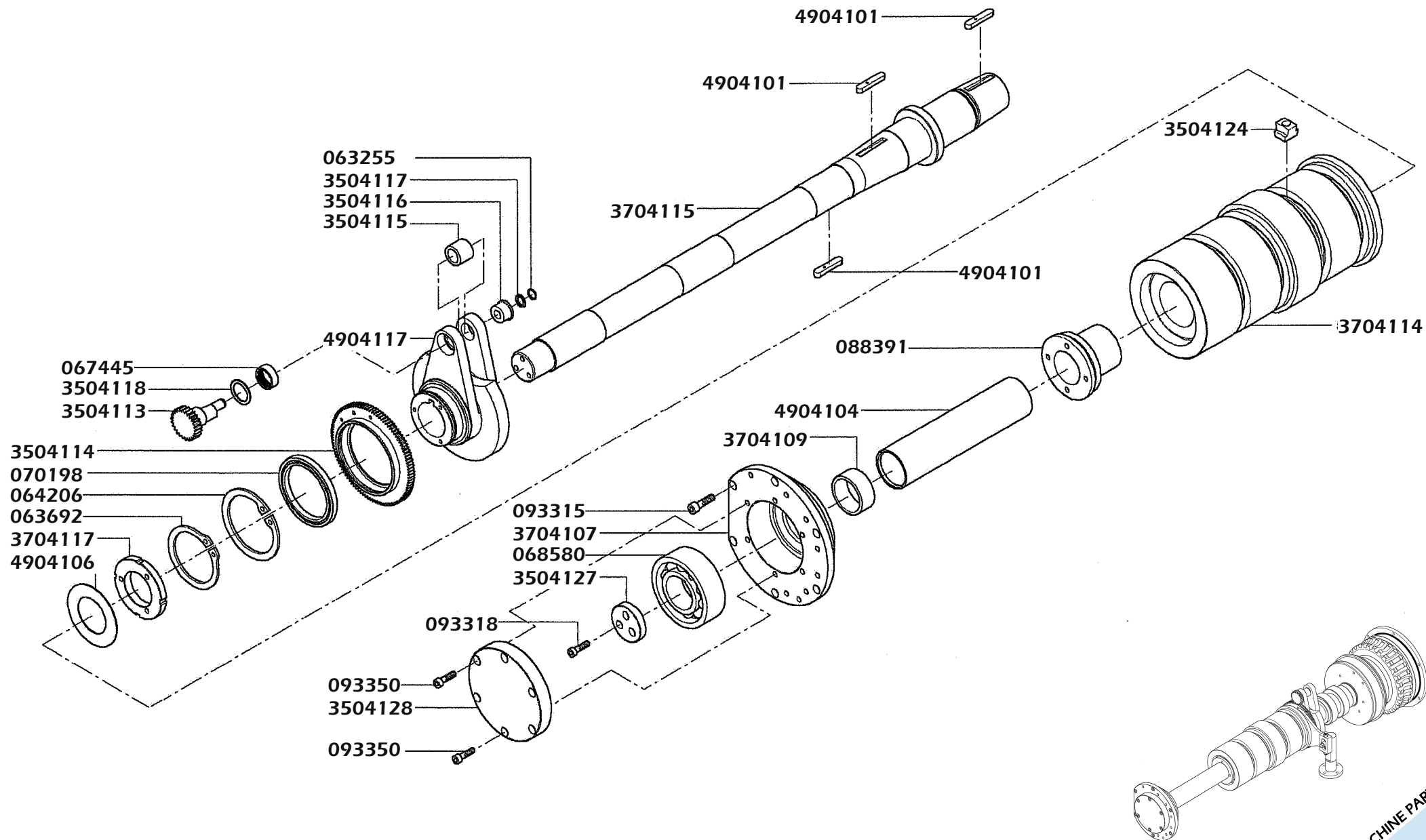


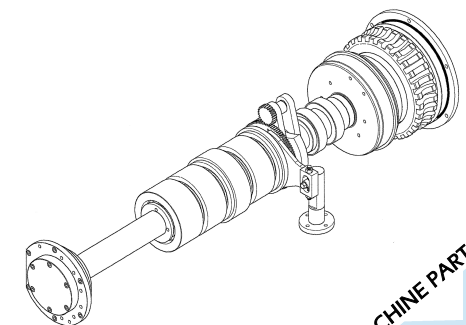
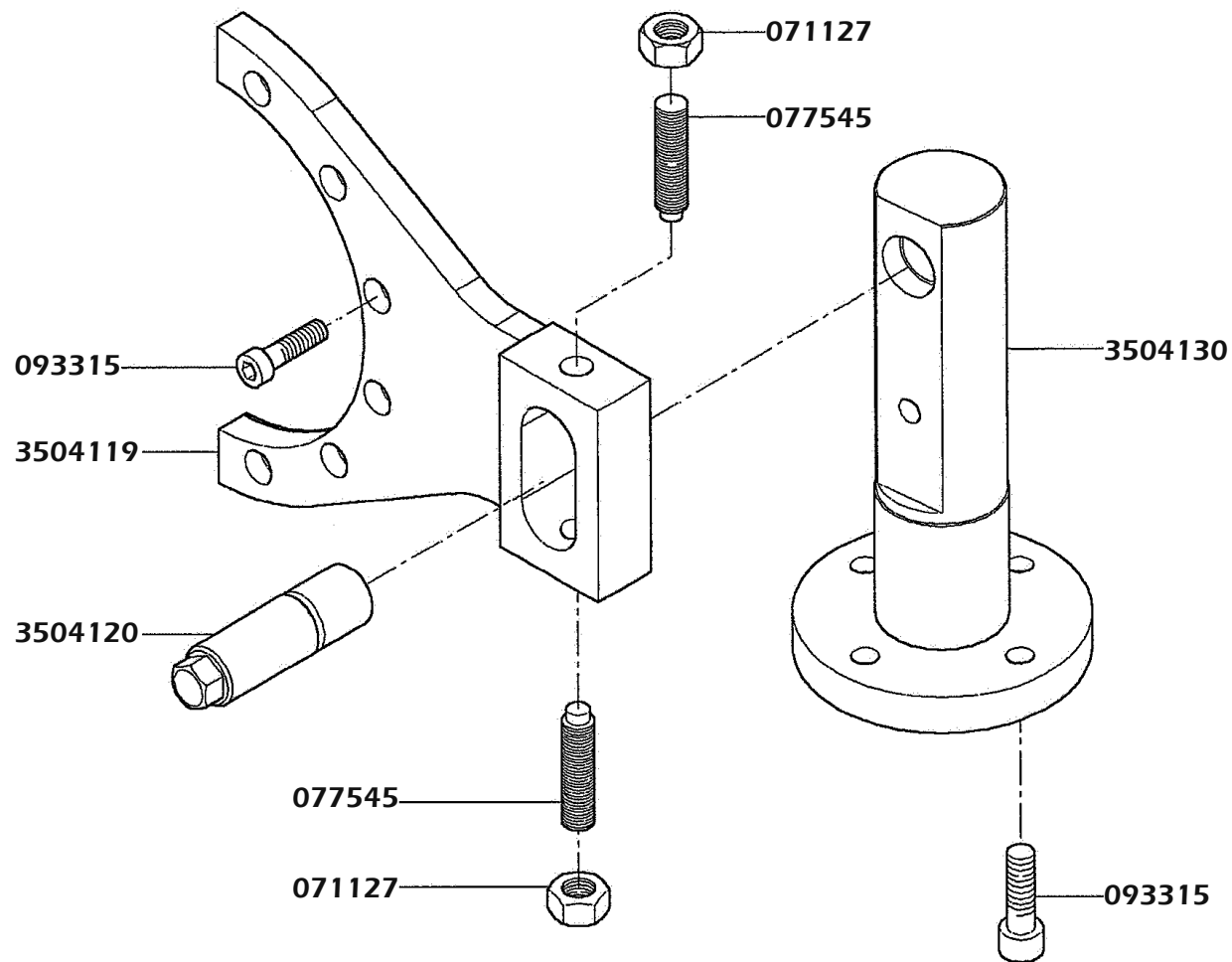


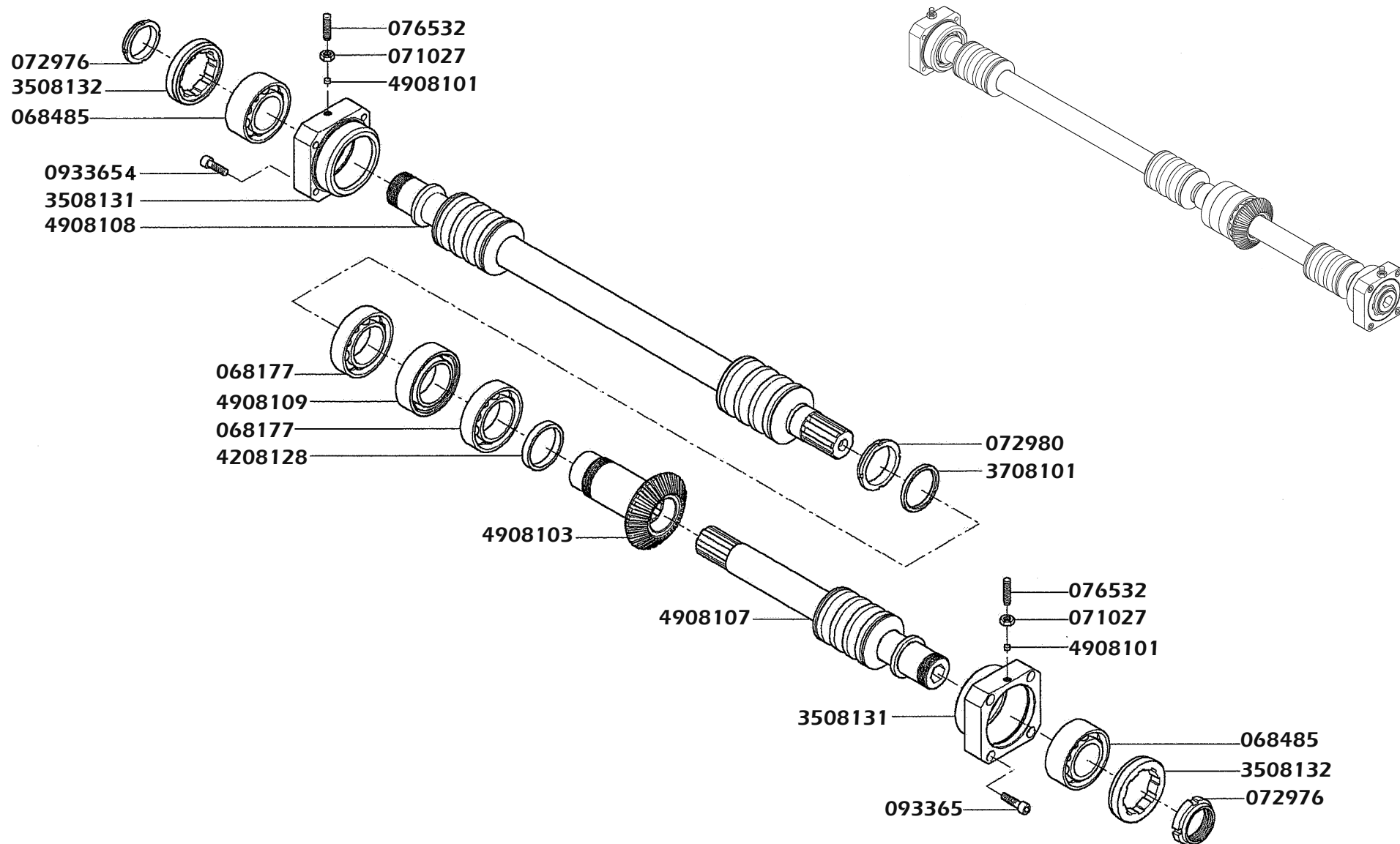


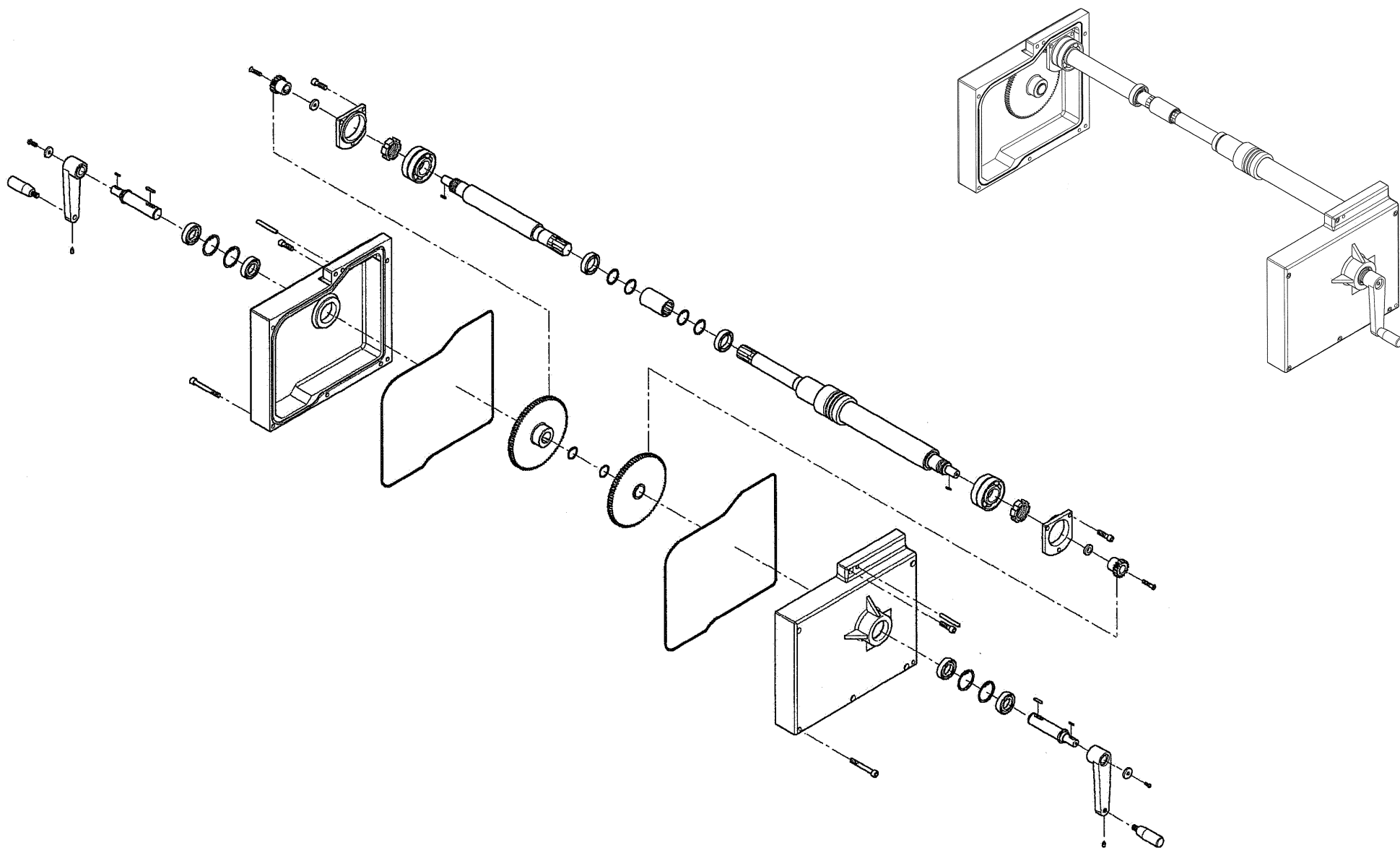


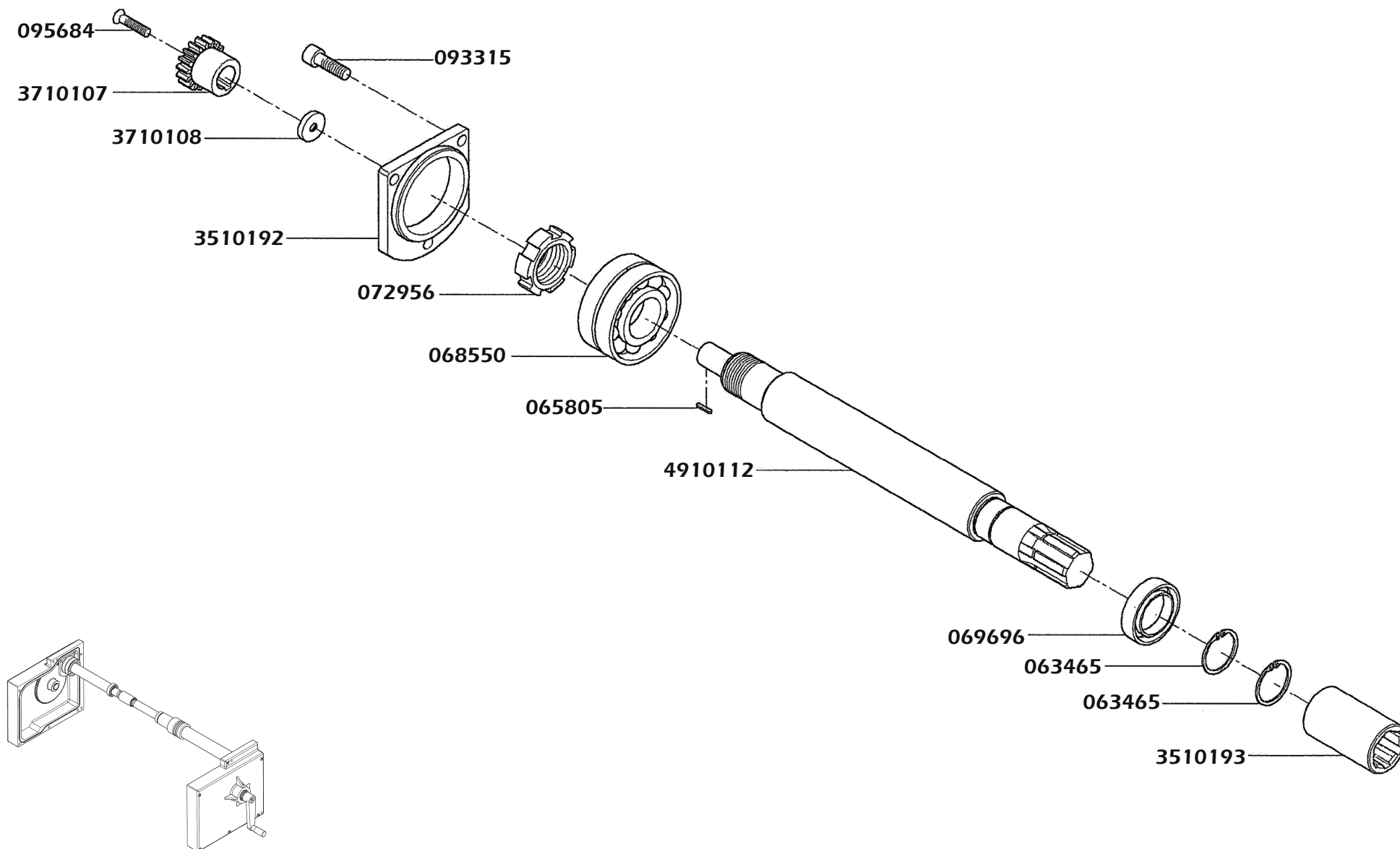


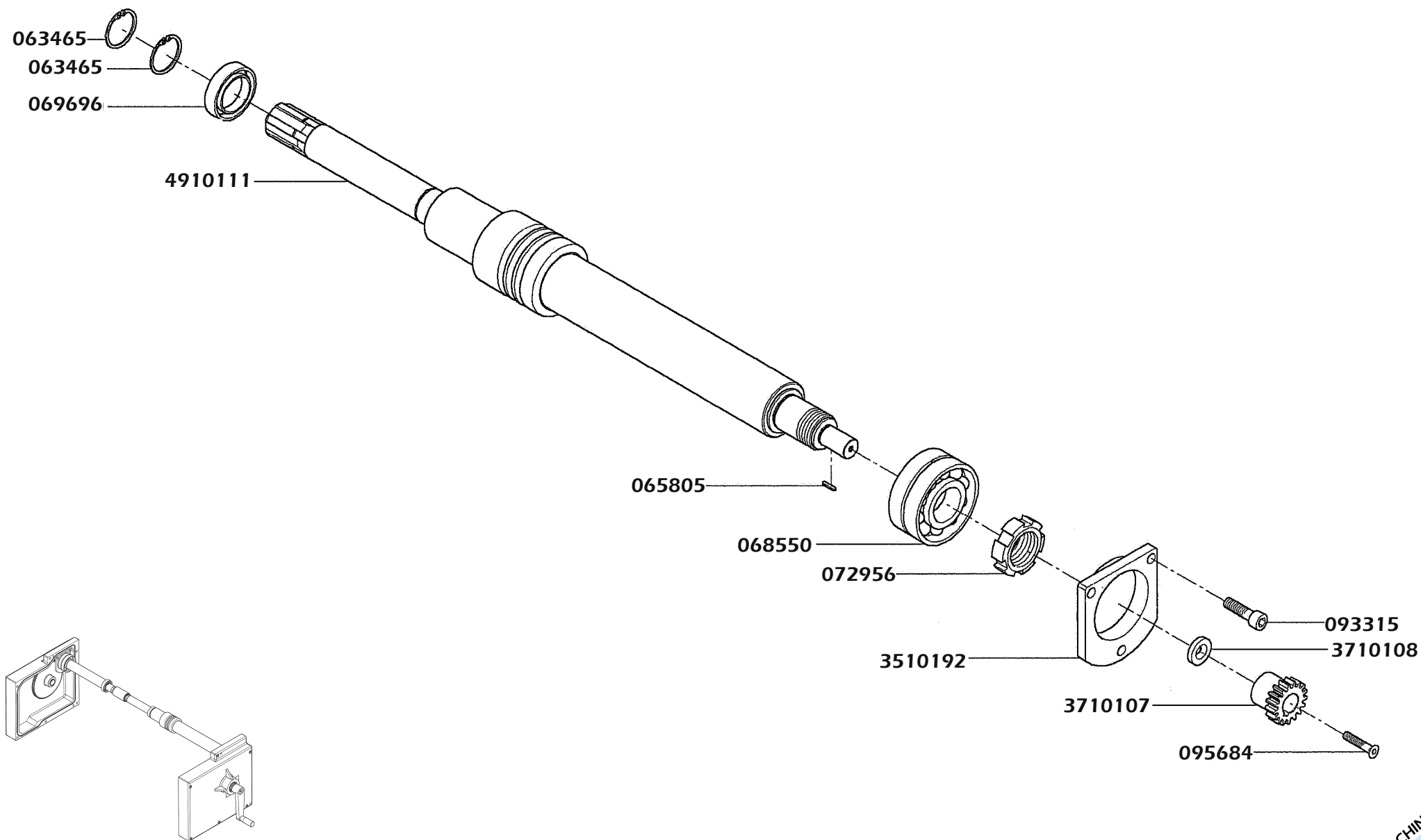


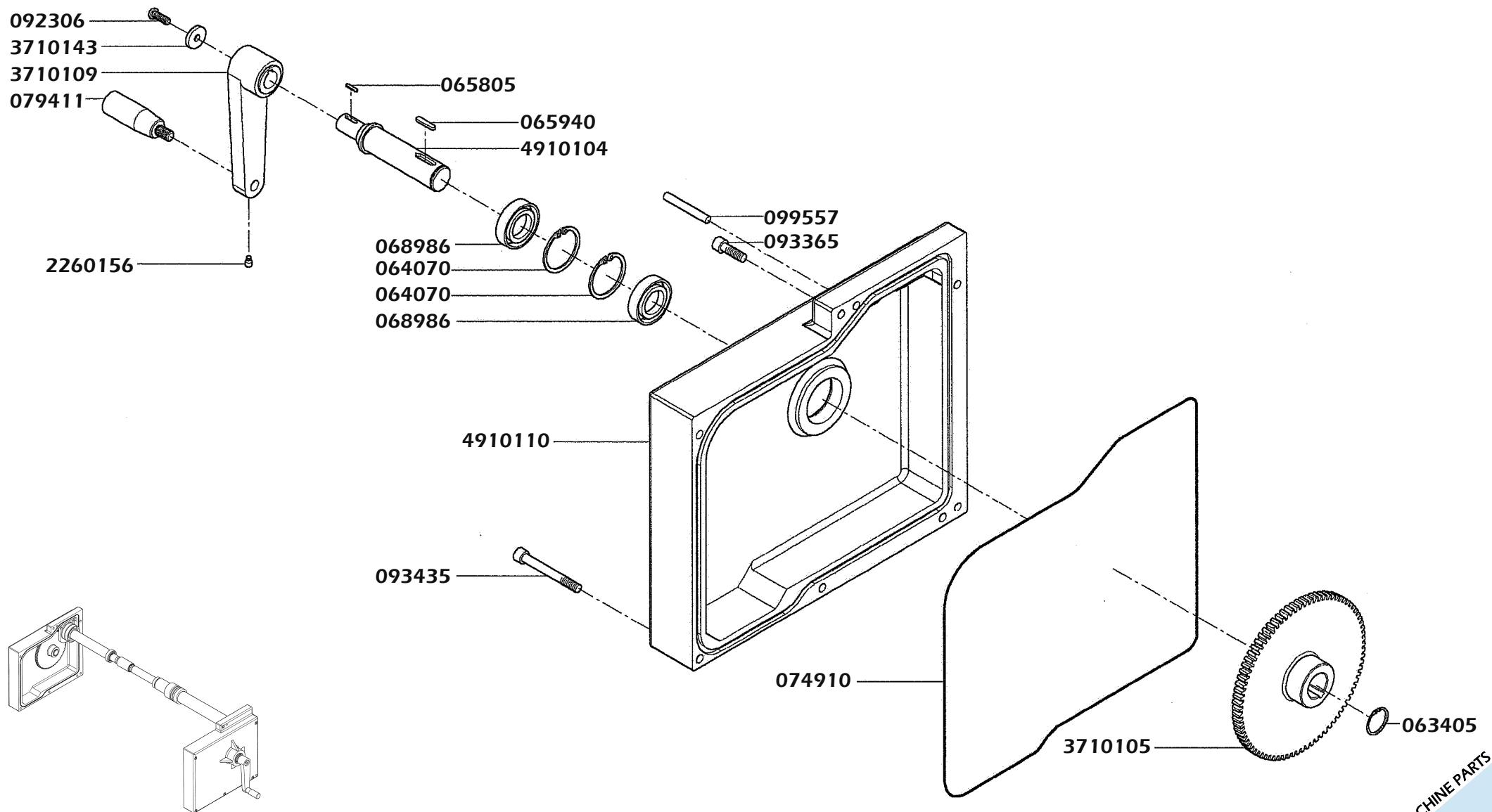


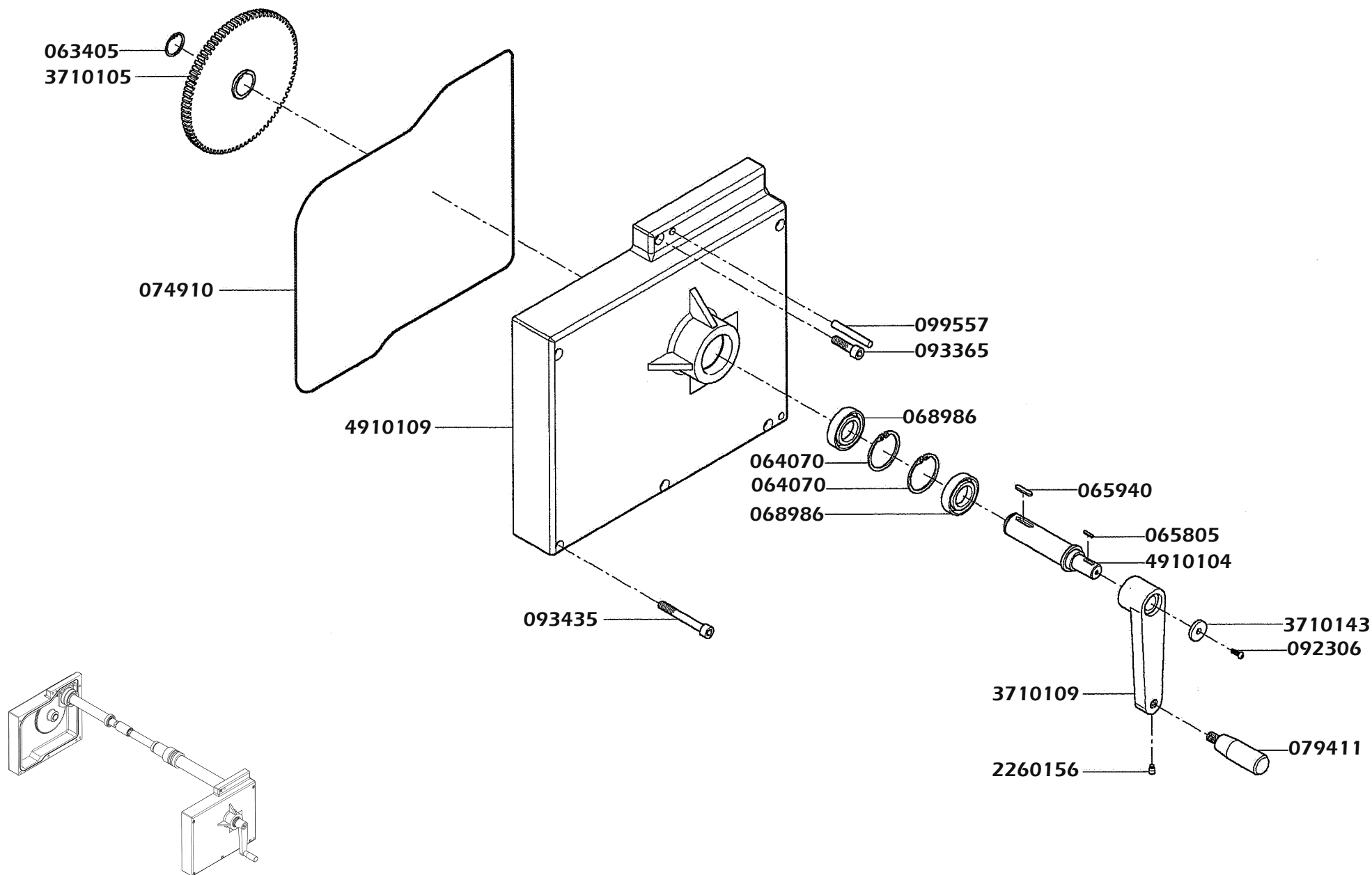


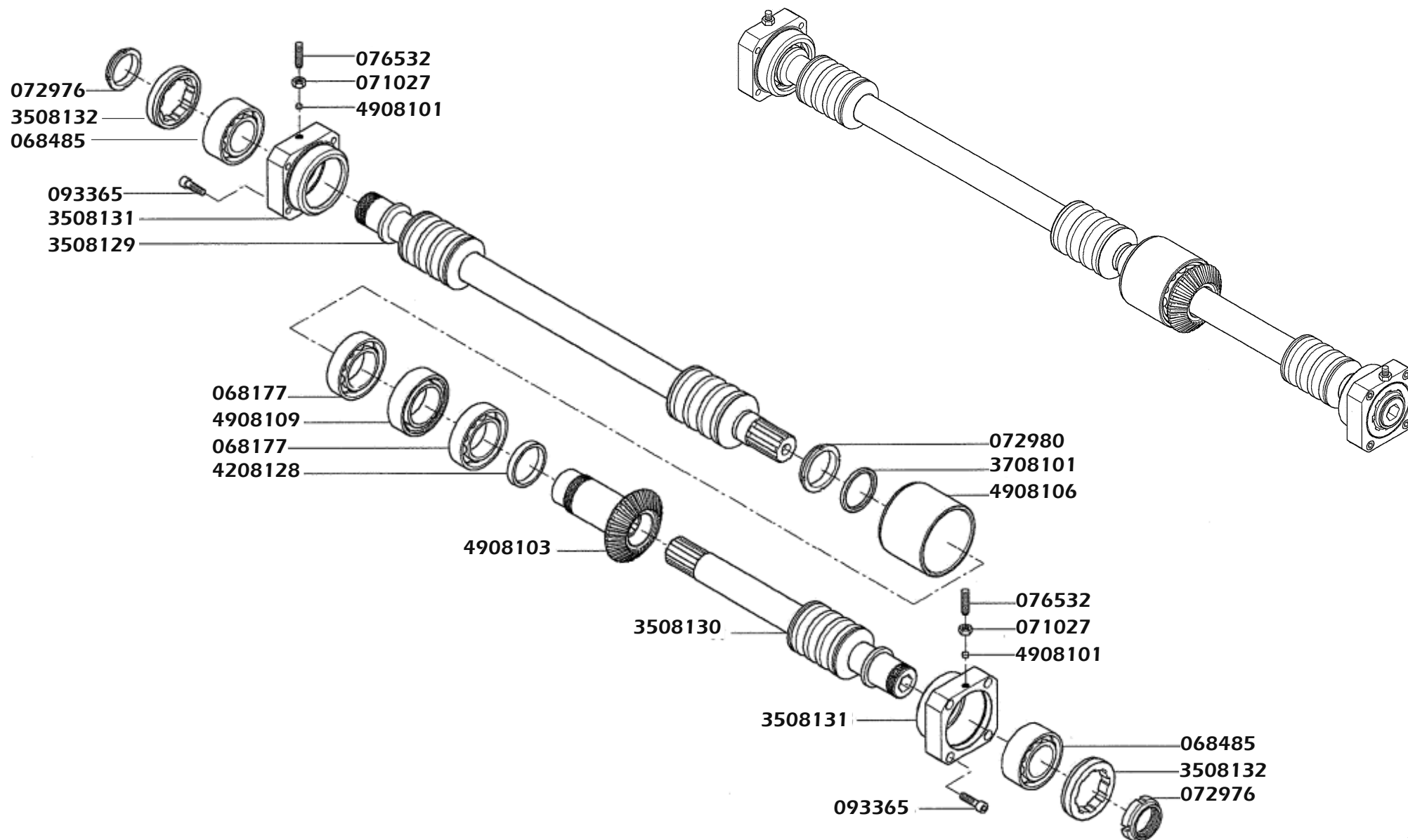












Accessori *Accessories*

Pinze
Collets

Camme
Cams

Ingranaggi
Gears

Torrette e portautensili
Turret and tool-holder

Applicazioni pinza
Collet holder

Fermo per mandrino frontale
Toolspindle stop

Albero intermedio per foratura veloce
Intermediate shaft for high speed drilling

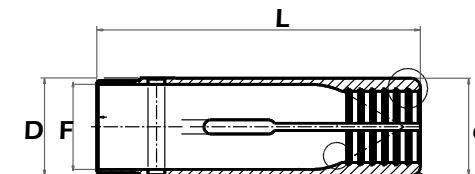
Albero intermedio per pettinatore
Intermediate shaft for thread chasing attachment

Albero intermedio per poligonatore
Intermediate shaft for polygon generatin attach.

Biella elastica
Rod with elastic compensation

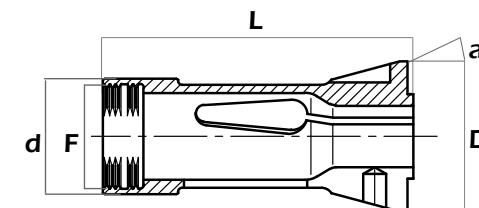
Pinze spingibarra / Feed fingers

Codice	Codice Interno	d	D	L	F	Max	
Code	Turlo's code						
9335 E 3701148 L1104123	PSP/GM35-6/SX	41	41,2	136	M39x 1 sx	35	31
9335 E 5301235 L1104124	PSP/GM35-6/DX	41	41,2	136	M39x 1 dx	35	31



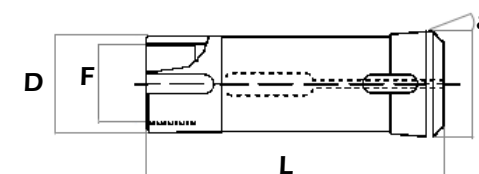
Pinza stringibarra / Clamping collet

Codice	Codice Interno	d	D	L	a	F	Max	
Code	Turlo's code							
9069 E 4801142 C1105300	PST/GM35	53	69,4	139	15°	M48x1,5 sx	35	31



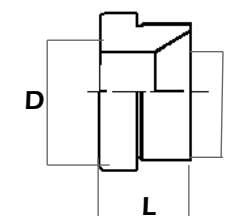
Pinze pick-up / Pick-up collets

Codice	Codice Interno	d	D	L	a	F	Max	
Code	Turlo's code							
Q0003900	PPK/GM35/B	39	44	82	8°	AtcB Ø21x4	32	28
Q0003901	PPK/GM35/B-6	18,7	25	51,5	8°	AtcB Ø21x4	32	28



Anelli guidabarra / Guide rings

Codice	Codice Interno	d	D	L	Max	
Code	Turlo's code					
T1104201	BGB/GM35-T4201	42	47,8	43	35	30



Corsa delle slitte radiali con camme standard – Radial slides stroke with standard cams

Codice	Angolo di lavoro	Angolo di salita	Angolo di discesa	Inizio lavoro	Fine lavoro	Angolo di riposo	Alzata rapida "H"	Alzata lavoro "h"
Code	Working angle	Slide angle	Drop angle	Work start	Work end	Rest angle	Fast Lift "H"	Work lift "h"
3729101	171°	51°	48°	3°	174°	0°	66	0
3729102	165°	51°	48°	3°	168°	6°	63,5	2,5
3729103	165°	51°	48°	3°	168°	6°	61	5
3729104	165°	51°	48°	3°	168°	6°	56	10
3729105	165°	51°	48°	3°	168°	6°	51	15
3729106	165°	51°	48°	3°	168°	6°	46	20
3729107	165°	51°	48°	3°	168°	6°	41	25
3729108	165°	51°	48°	3°	168°	6°	34	32
3729109	165°	51°	48°	3°	168°	6°	26	40



Corsa delle slitte assiali con camme standard – Radial slides stroke with standard cams

Codice	Angolo di lavoro	Angolo di salita	Angolo di discesa	Inizio lavoro	Fine lavoro	Angolo di riposo	Alzata rapida "H"	Alzata lavoro "h"
Code	Working angle	Slide angle	Drop angle	Work start	Work end	Rest angle	Fast Lift "H"	Work lift "h"
3732102	159°	0°	48°	9°	165°	12°	66	0

Corsa dei mandrini frontali con camme standard – Frontal spindles stroke with standard cams

Codice	Angolo di lavoro	Angolo di salita	Angolo di discesa	Inizio lavoro	Fine lavoro	Angolo di riposo	Alzata rapida "H"	Alzata lavoro "h"
Code	Working angle	Slide angle	Drop angle	Work start	Work end	Rest angle	Fast Lift "H"	Work lift "h"
3729101	171°	51°	48°	3°	174°	0°	66	0
3729102	165°	51°	48°	3°	168°	6°	63,5	2,5
3729103	165°	51°	48°	3°	168°	6°	61	5
3729104	165°	51°	48°	3°	168°	6°	56	10
3729105	165°	51°	48°	3°	168°	6°	51	15
3729106	165°	51°	48°	3°	168°	6°	46	20
3729107	165°	51°	48°	3°	168°	6°	41	25
3729108	165°	51°	48°	3°	168°	6°	34	32
3729109	165°	51°	48°	3°	168°	6°	26	40



Corsa del supporto centrale con camme standard – Central support stroke with standard cams

Codice	Angolo di lavoro	Angolo di salita	Angolo di discesa	Inizio lavoro	Fine lavoro	Angolo di riposo	Alzata rapida "H"	Alzata lavoro "h"
Code	Working angle	Slide angle	Drop angle	Work start	Work end	Rest angle	Fast Lift "H"	Work lift "h"
3733102	165°	51°	48°	3°	168°	6°	64	3
3733103	165°	51°	48°	3°	168°	6°	61	5
3733104	165°	51°	48°	3°	168°	6°	56	10
3733105	165°	51°	48°	3°	168°	6°	51	15
3733106	165°	51°	48°	3°	168°	6°	46	20



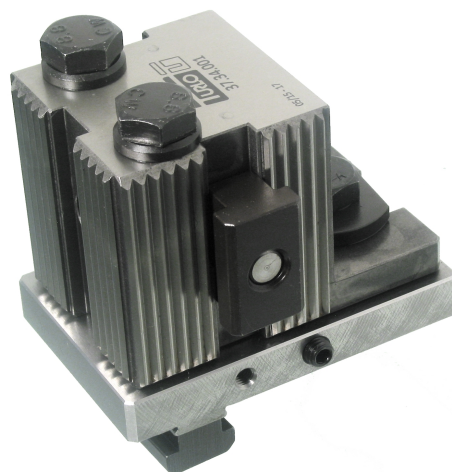
Ruote cambio tempi, velocità e filettatura / Feed, speed & thread ratio gears

Codice	Z1	Codice	Z2	Cambio tempi	Velocità	Filettatura
Code	Z1	Codice	Z2	Feed	Speed	Ratio gears
3510200	23	3510227	68	✓	✓	
3510201	24	3510226	67	✓	✓	
3510202	25	3510225	66	✓	✓	
3510203	26	3510224	65	✓	✓	
3510204	29	3510223	62	✓	✓	
3510205	30	3510222	61	✓	✓	
3510206	31	3510221	60	✓	✓	
3510207	32	3510220	59	✓	✓	
3510208	33	3510219	58	✓	✓	✓
3510209	35	3510218	56	✓	✓	✓
3510210	37	3510217	54	✓	✓	✓
3510211	39	3510216	52	✓	✓	✓
3510212	41	3510215	50	✓	✓	✓
3510213	43	3510214	48	✓	✓	✓
3510214	48	3510213	43	✓	✓	✓
3510215	50	3510212	41	✓	✓	✓
3510216	52	3510211	39	✓	✓	✓
3510217	54	3510210	37	✓	✓	✓
3510218	56	3510209	35	✓	✓	✓
3510219	58	3510208	33	✓	✓	✓
3510220	59	3510207	32	✓	✓	
3510221	60	3510206	31	✓	✓	
3510222	61	3510205	30	✓	✓	
3510223	62	3510204	29	✓	✓	
3510224	65	3510203	26	✓	✓	
3510225	66	3510202	25	✓	✓	
3510226	67	3510201	24	✓	✓	
3510227	68	3510200	23	✓	✓	

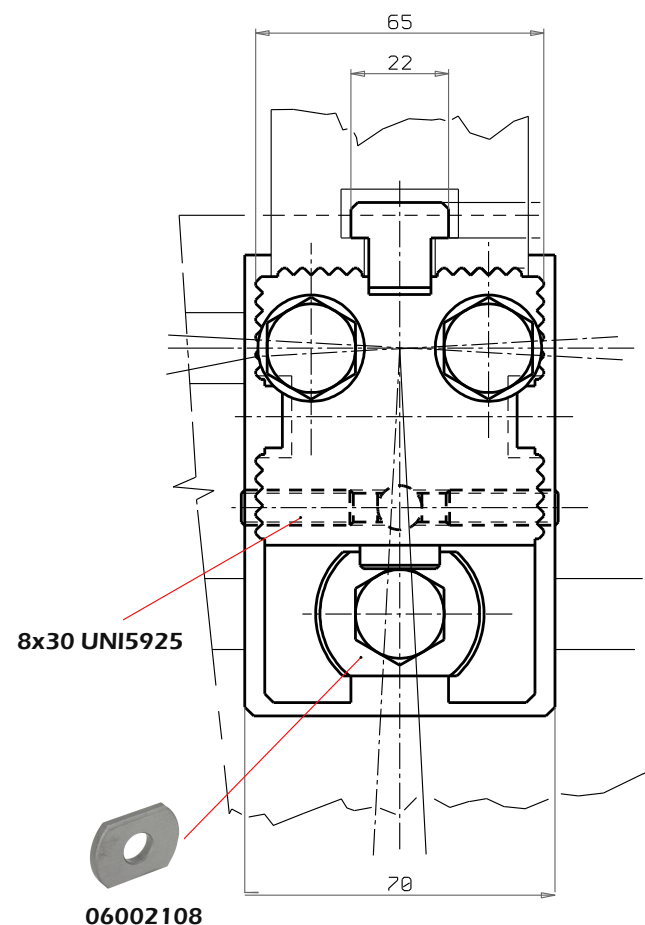
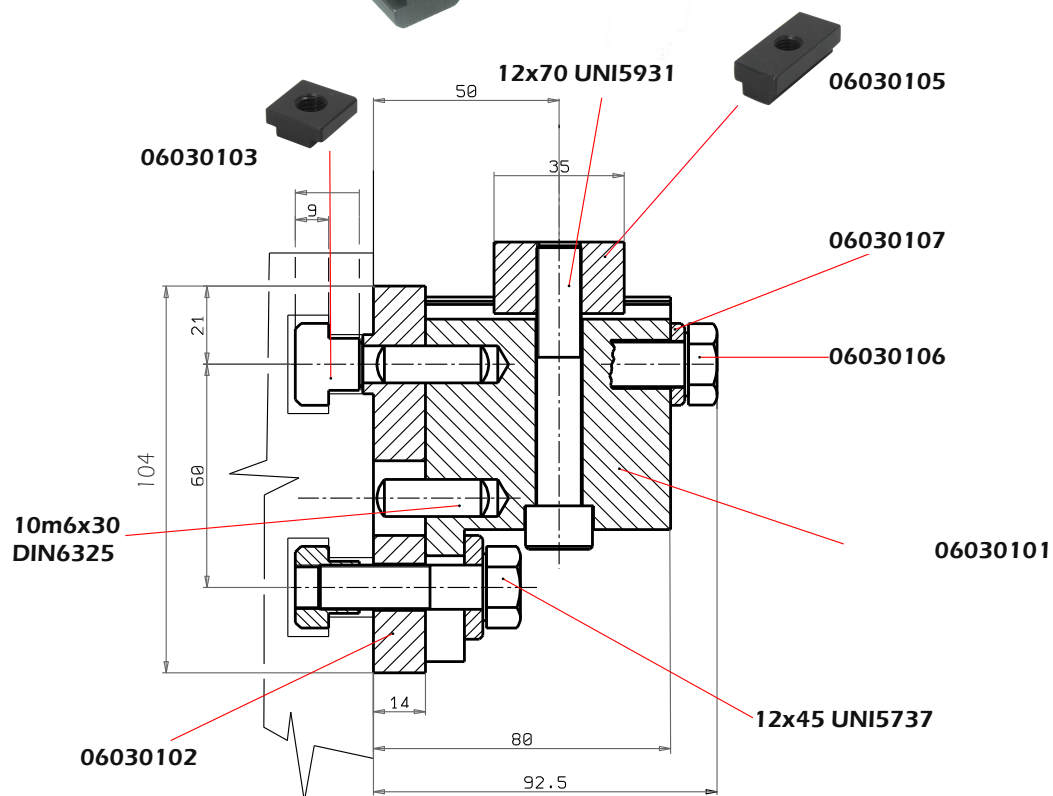
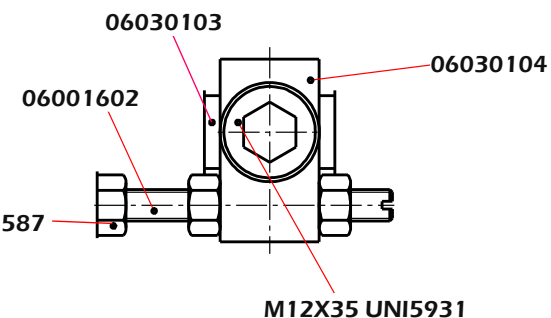


$$Z1 + Z2 = 91$$

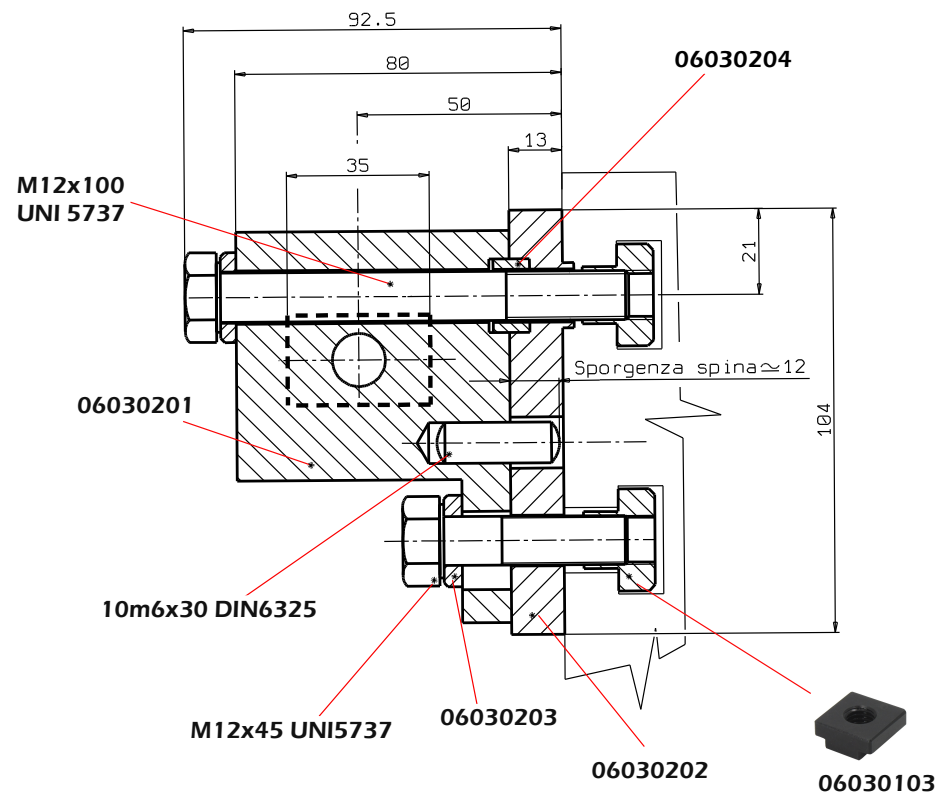
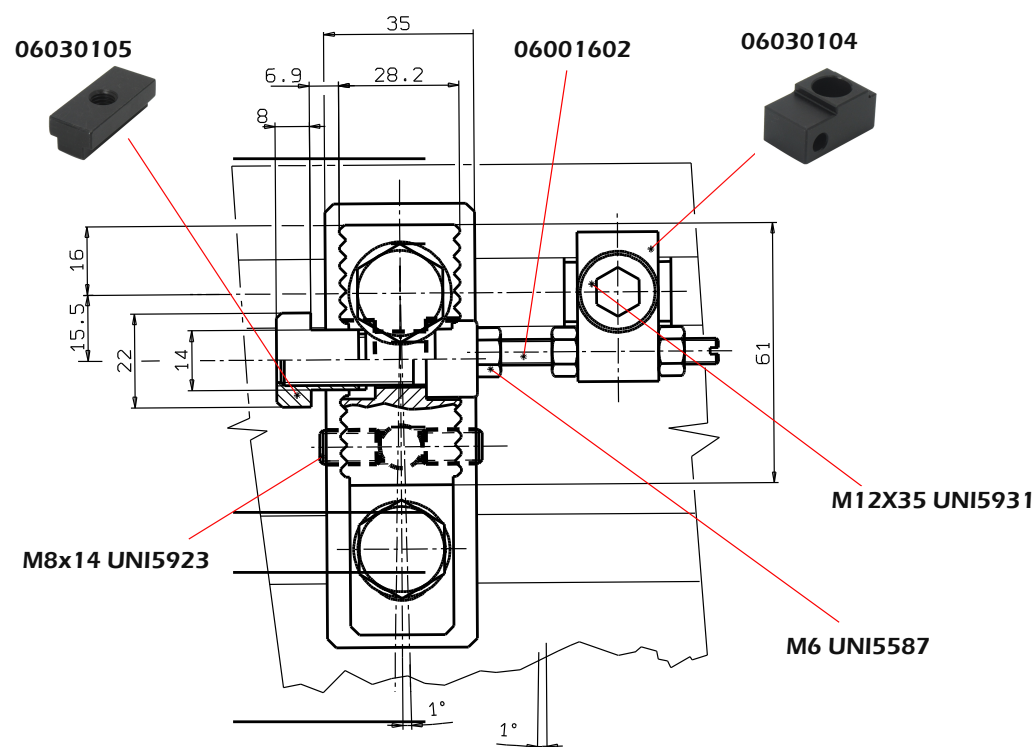
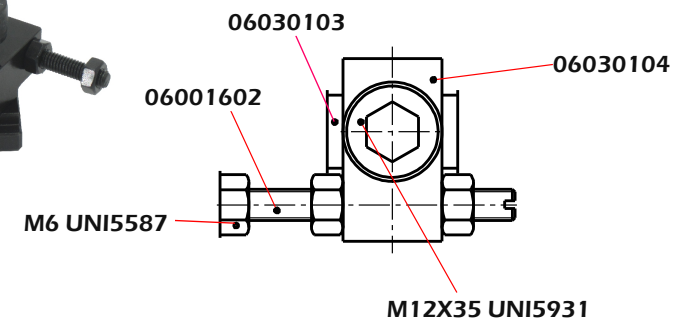
$$\text{Modulo (m)} = 2,5$$

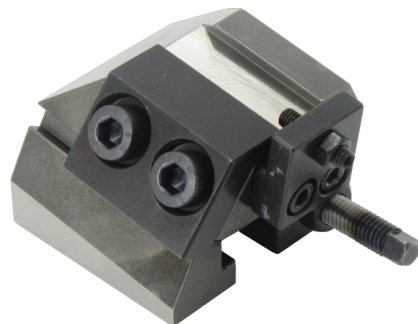


37340001R
Kit registrazione
Registration kit
(Optional)



37340001R
Kit registrazione
Registration kit
(Optional)

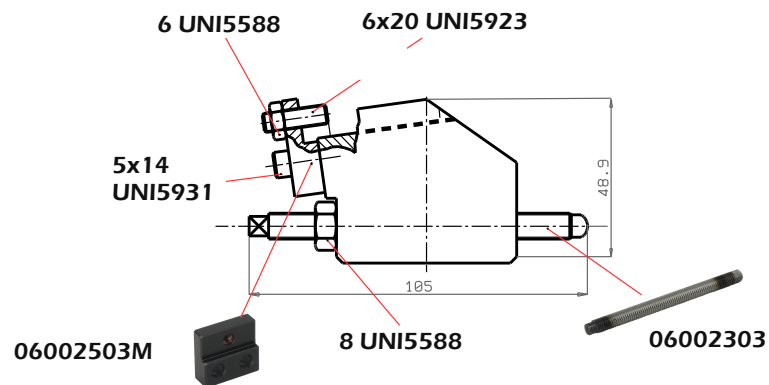
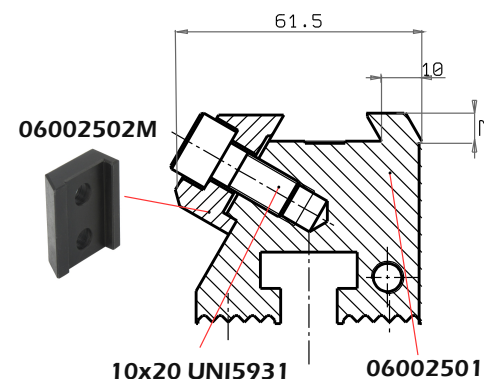
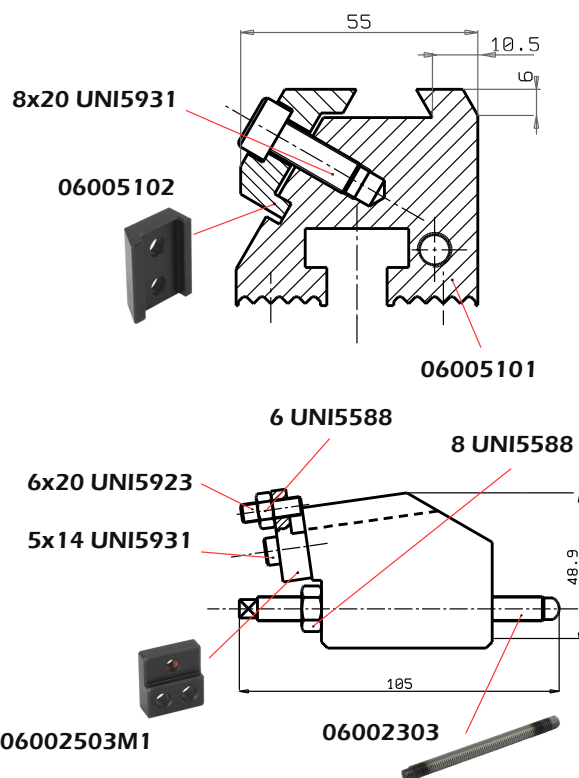




3734002
Portautensile prismatico
L= 20 mm
Prismatic tool-holder
L= 20 mm

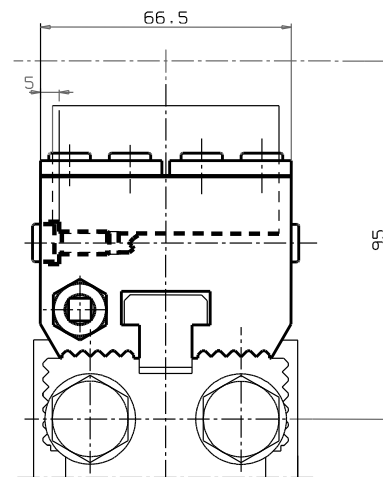


3734006
Portautensile prismatico
L= 28 mm
Prismatic tool-holder
L= 28 mm

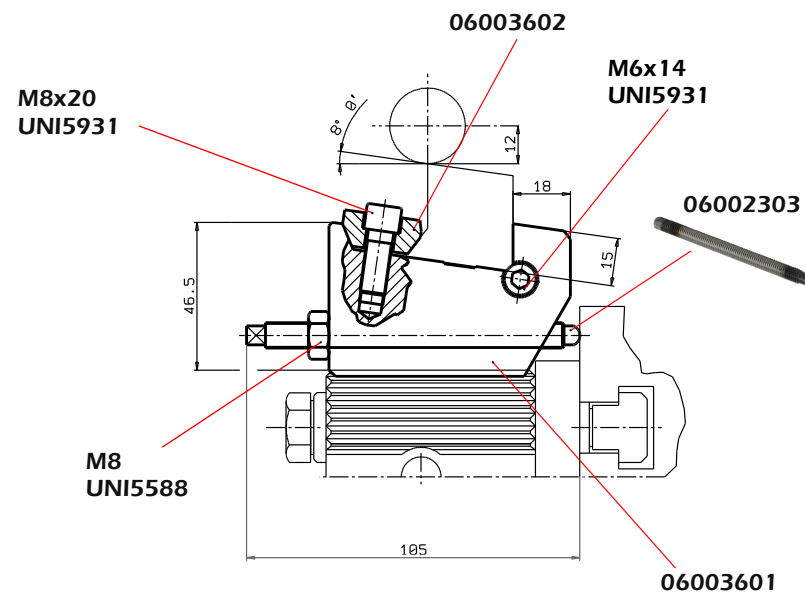
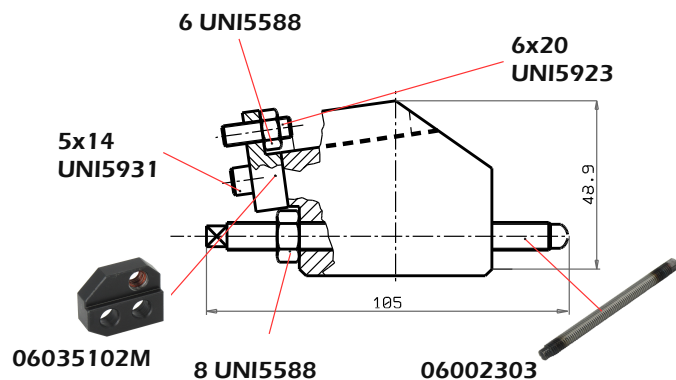
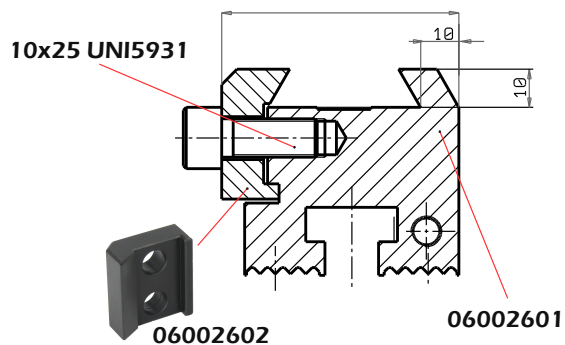


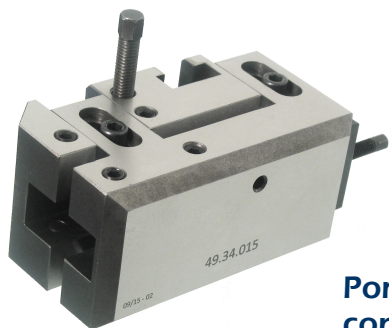


3734007
Portautensile prismatico
L= 40 mm
Prismatic tool-holder
L= 40 mm



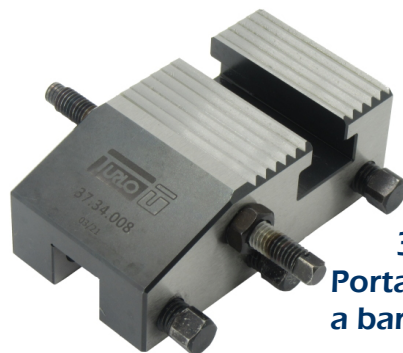
3734004
Portautensile prismatico
L= 66,5 mm
Prismatic tool-holder
L= 66,5 mm





4934015
Portautensile a barretta
con regolazione assiale

*Bevel stick tool-holder
with axial regulation*



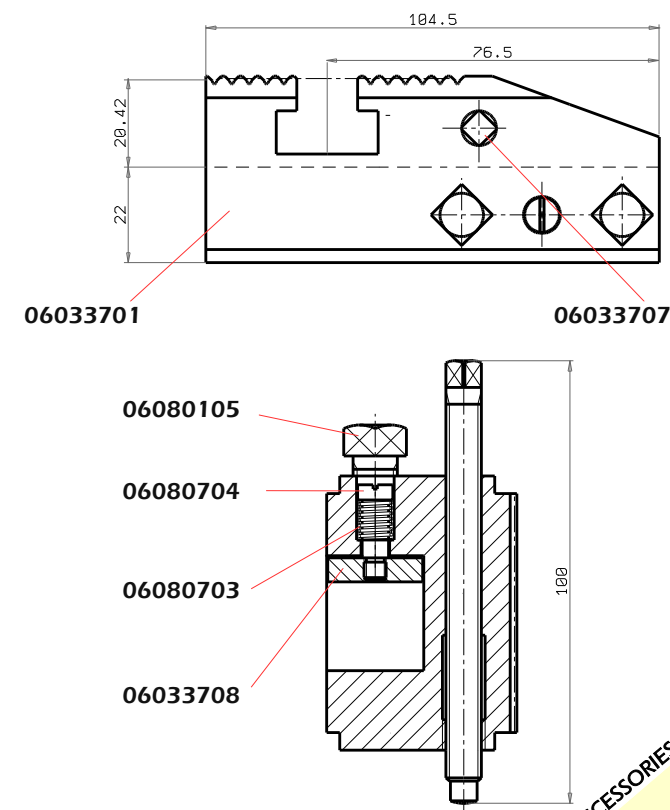
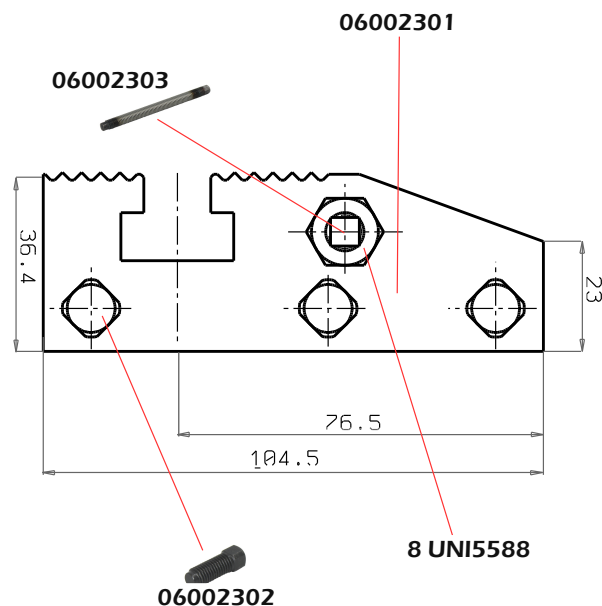
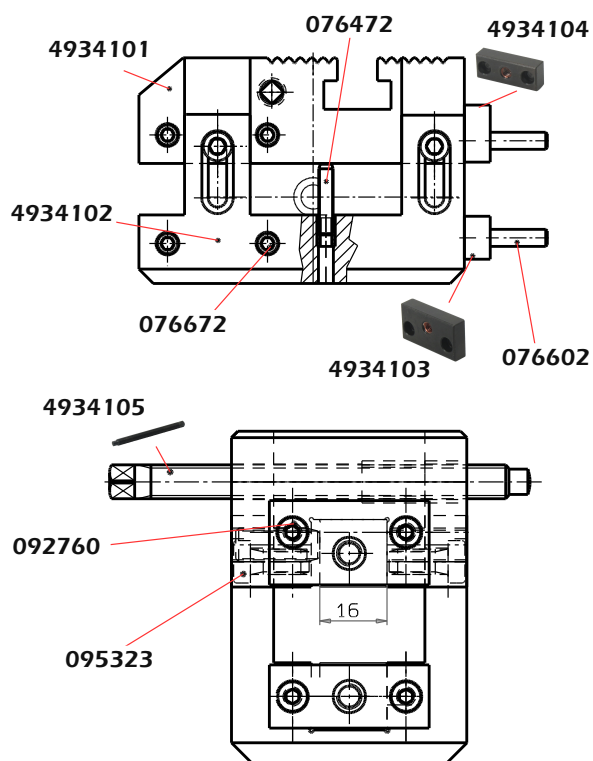
3734008
Portautensile
a barretta 16x16

*Bevel stick
Tool-holder 16x16*



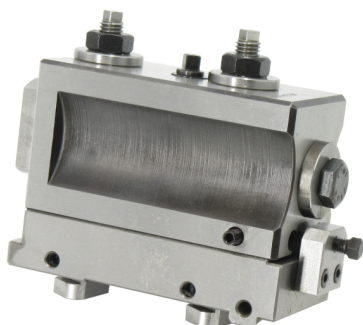
06033900
Portautensile
a barretta 20x20

*Bevel stick tool-holder
20x20*

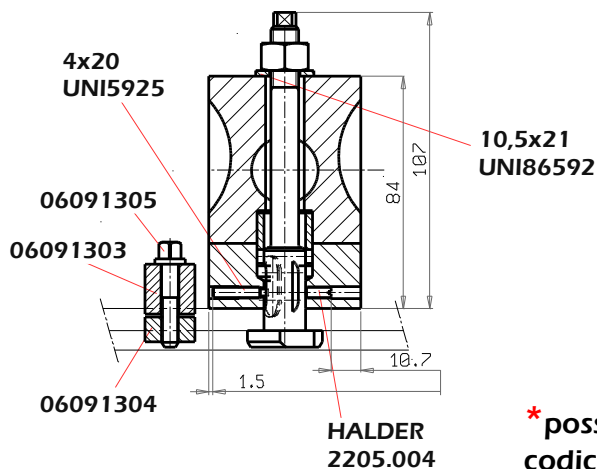
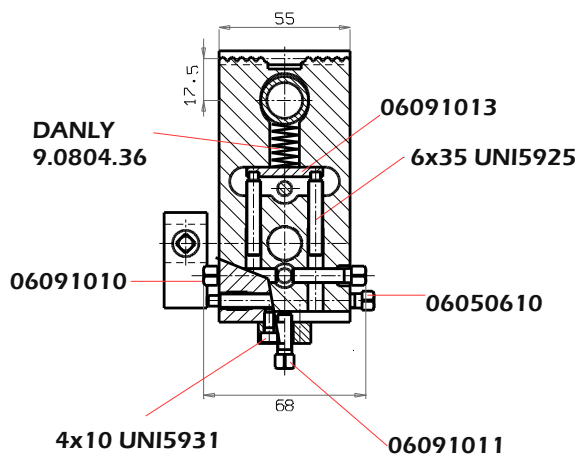
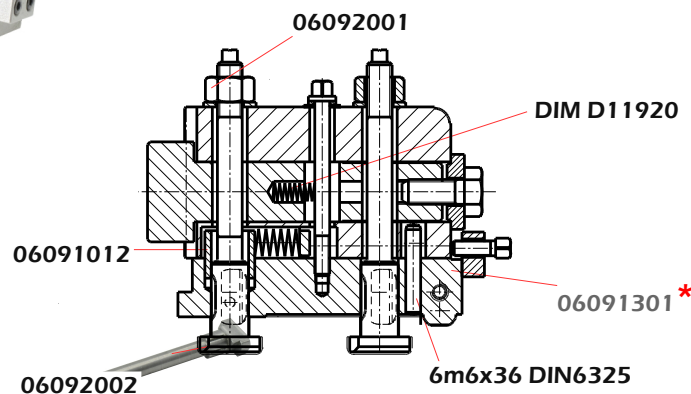
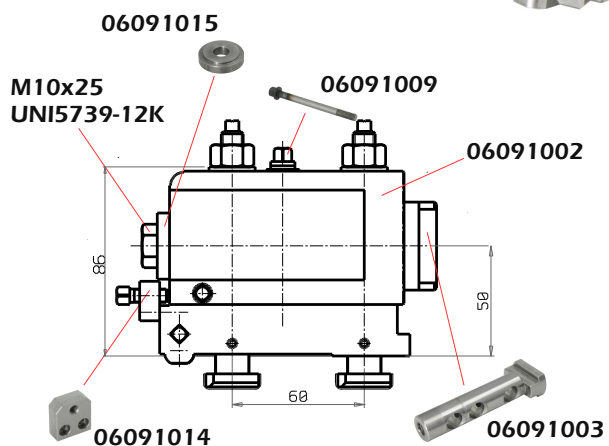


REGOLAZIONI TORRETTA

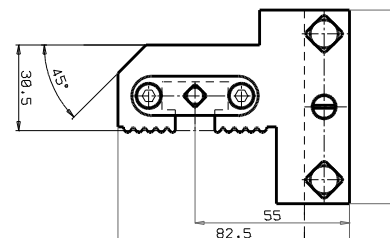
Radiale ± 1 mm
Assiale ± 2 mm
Angolare $\pm 1^\circ$



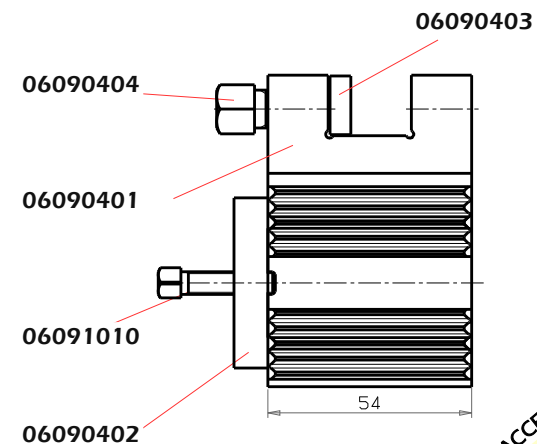
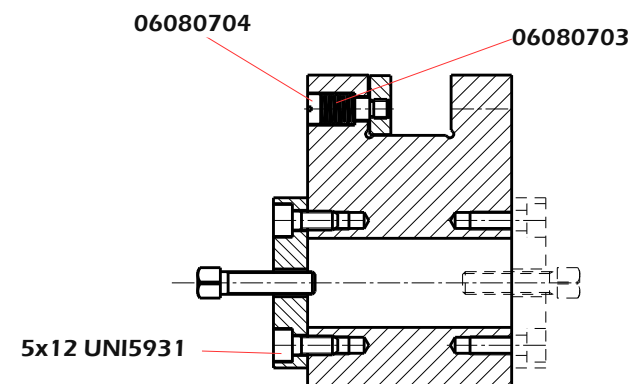
06092000
Torretta per presetting
Presetting turret

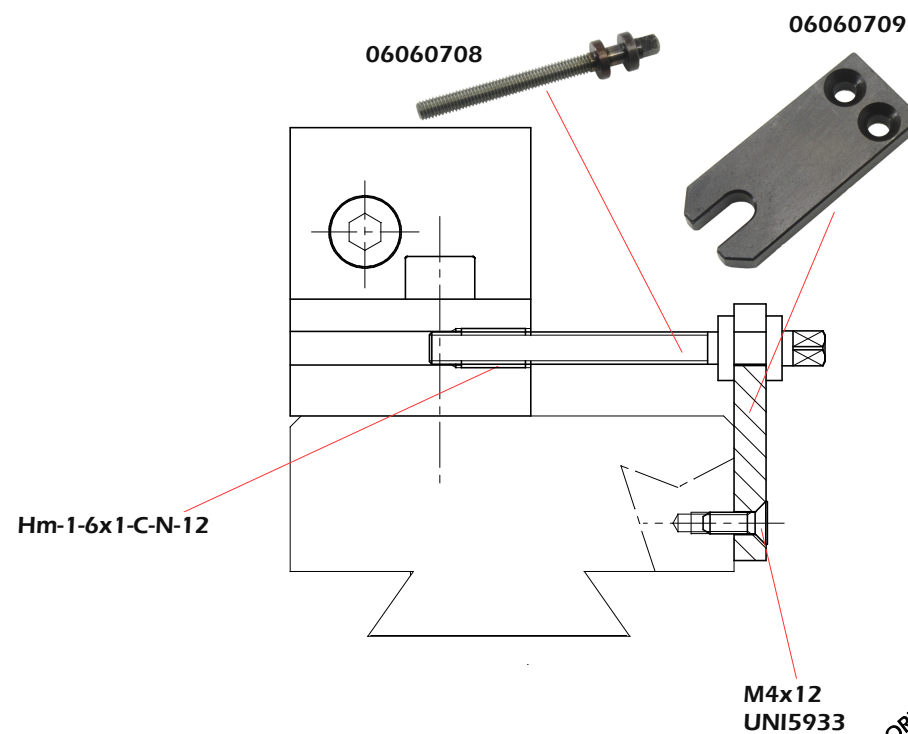
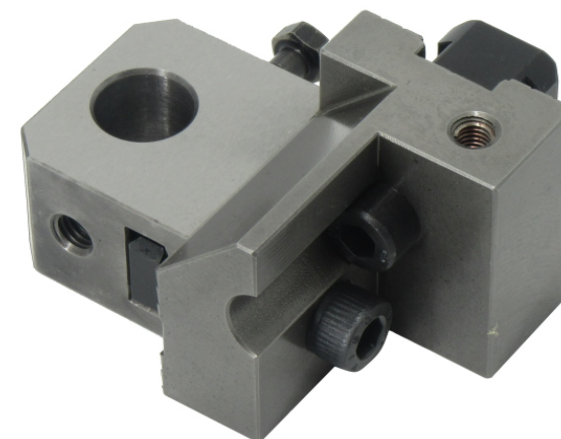
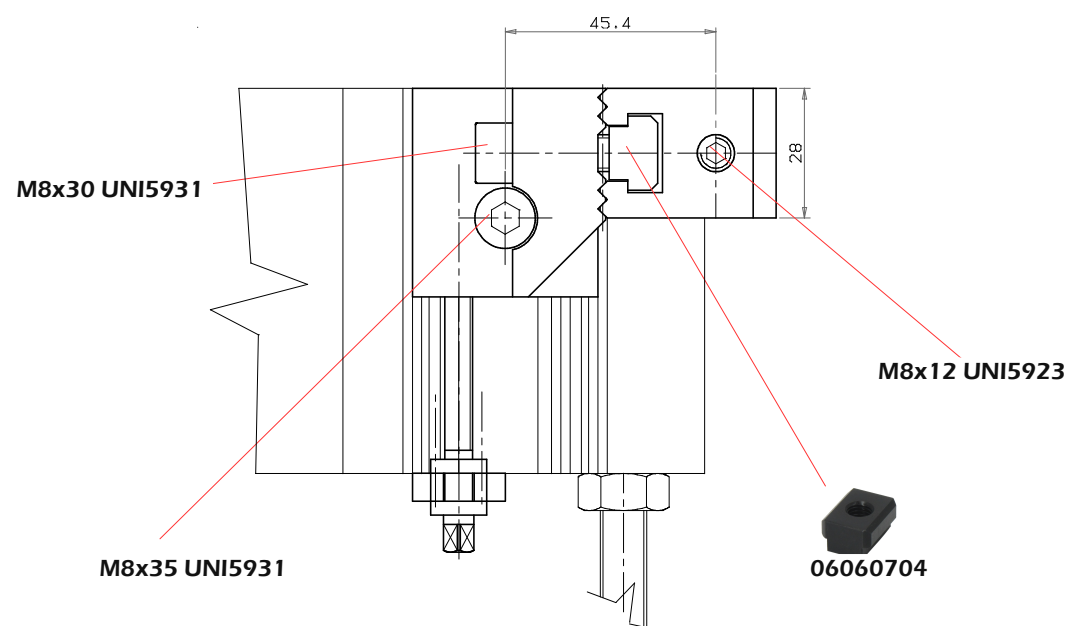
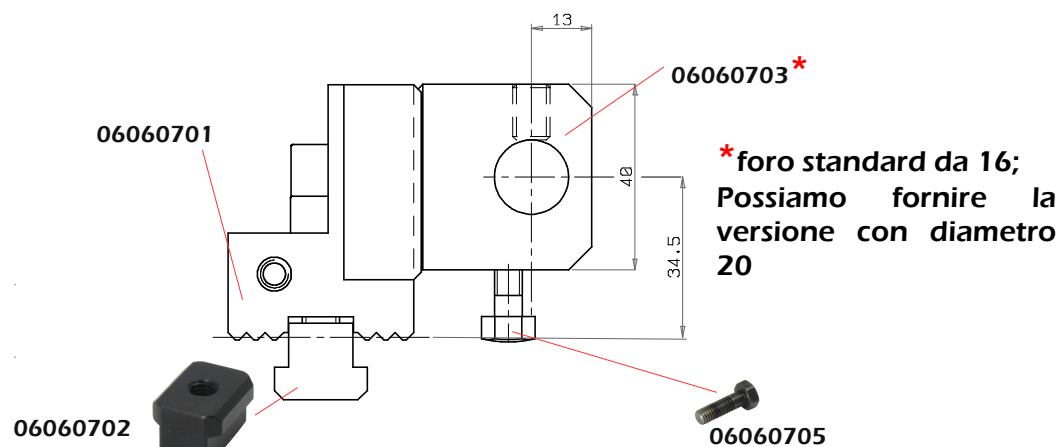


* possiamo fornire la versione con impronta elastica
codice 06092800 in cui la base si modifica (06092801)



06090400
Portautensile
a barretta
*Bevel stick
tool-holder*



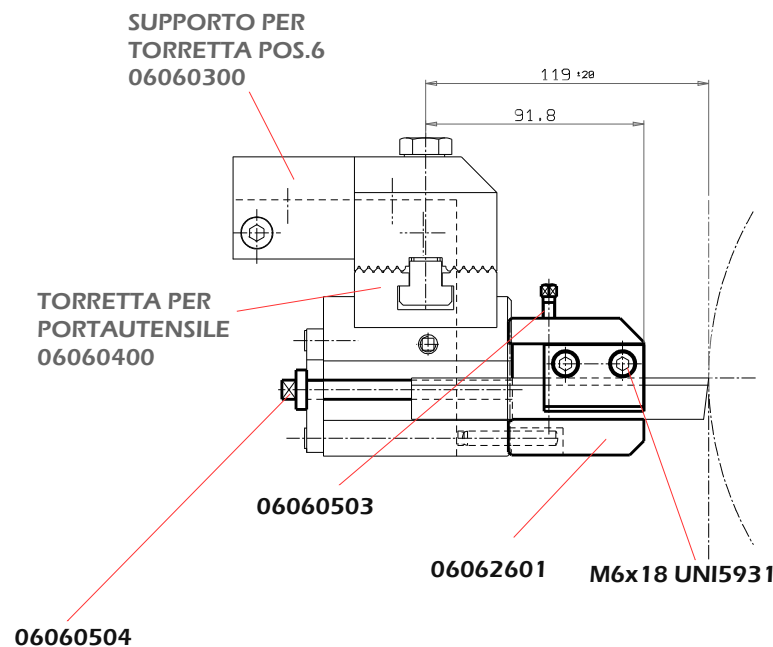
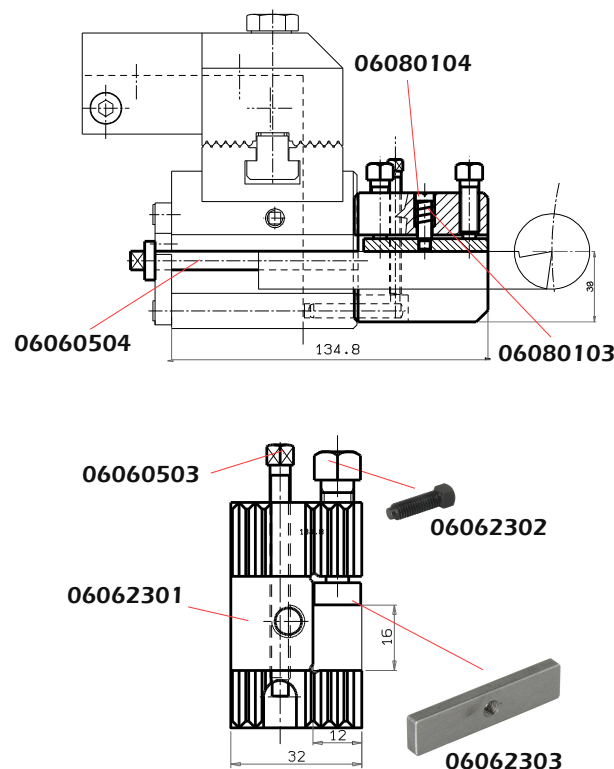
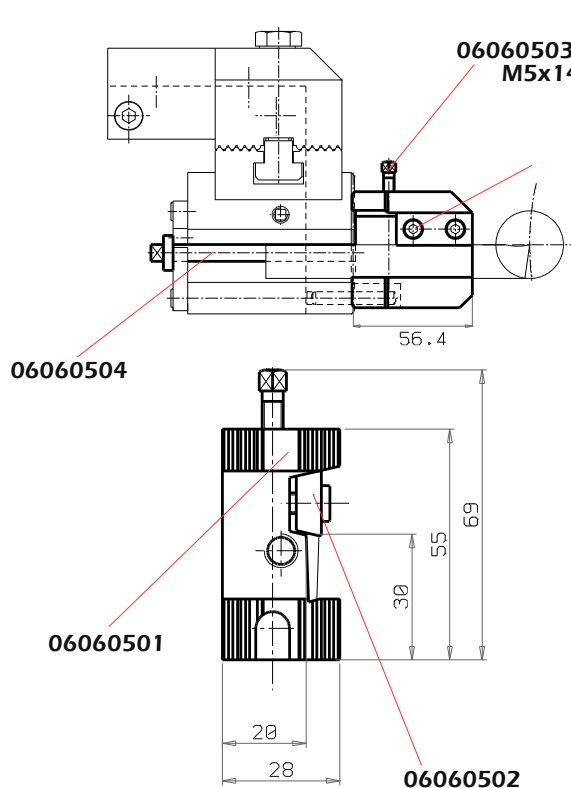




06060500
Portalama
taglio

06062300
Portautensile da
taglio 16x12

06062600
Portautensile da taglio
PM3 pos.6





Applicatore a pinza
Collet holder

4923019 ISO40-ER25
4923020 ISO40-ER32
4923002 ISO40-ER40



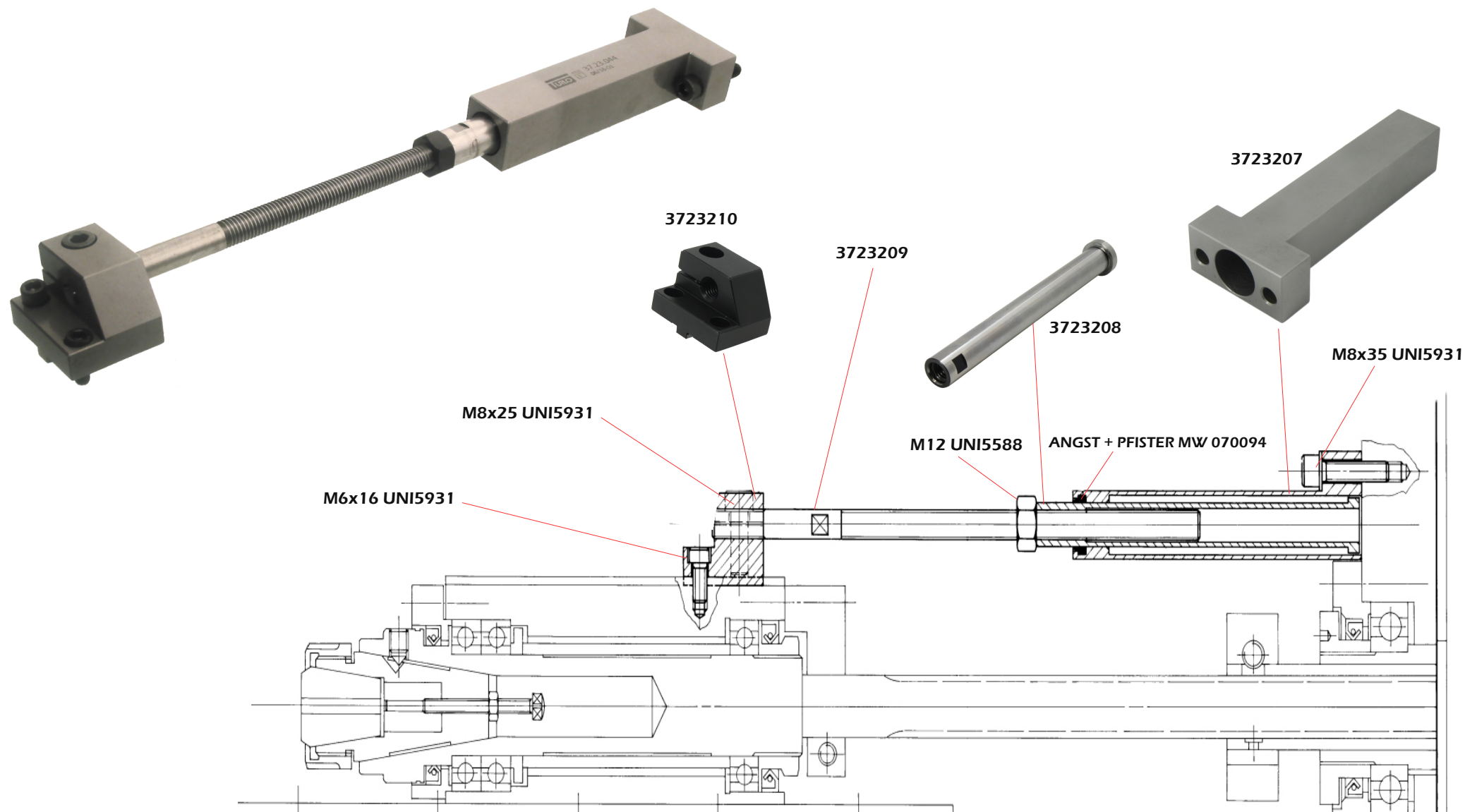
Prolunga per pinza
Extension with collet

4923012 ISO40-ER20
4923013 ISO40-ER25
4923014 ISO40-ER32



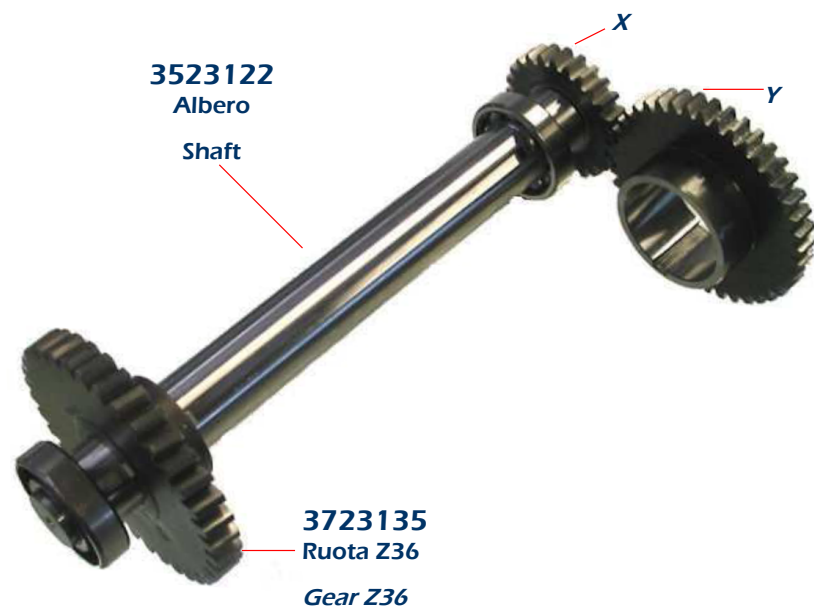
Prolunga speciale per pinza
Special extension with collet

4923015 ISO40-ER20 (L=110mm)



GILDEMEISTER GM35-6

Albero intermedio per foratura veloce / *Intermediate shaft for high speed drilling*

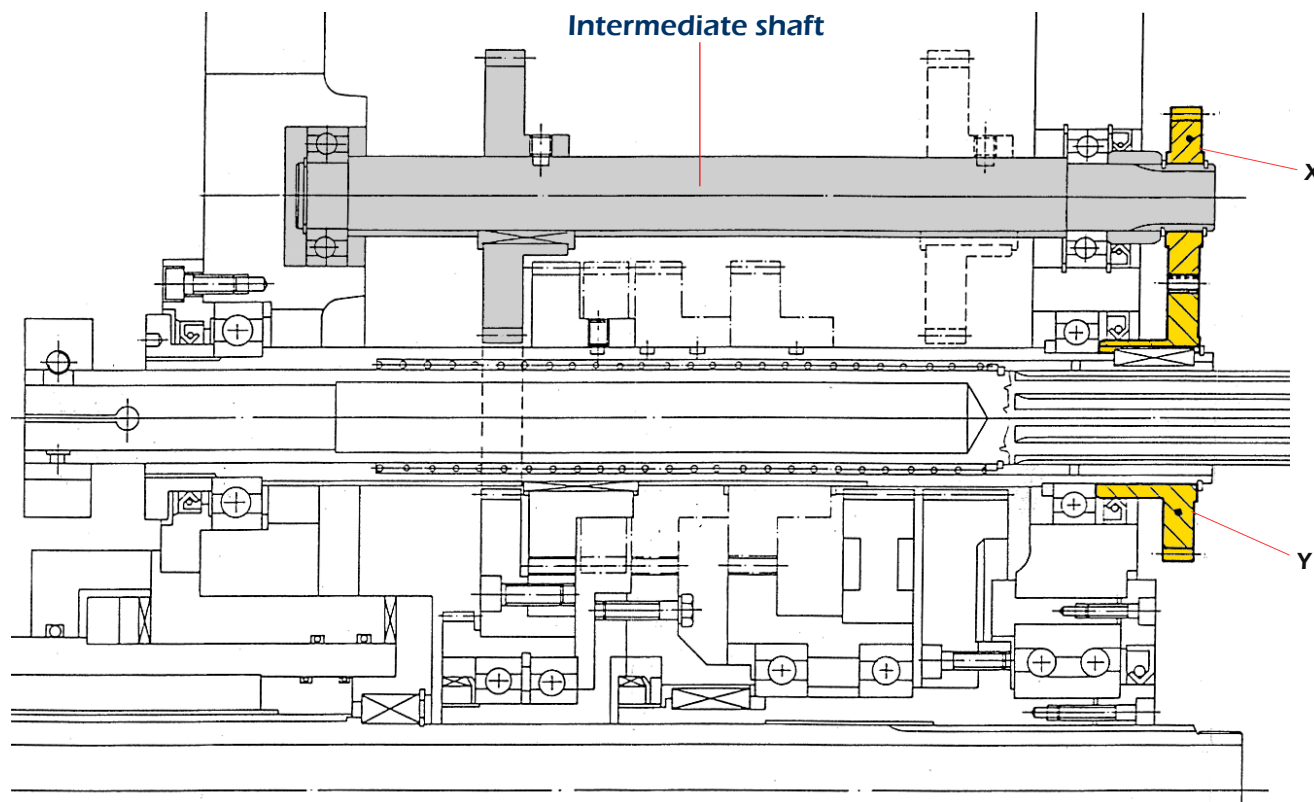


3723135
Ruota Z36
Gear Z36



3523122
Albero
Shaft

3723005
Albero intermedio
Intermediate shaft



Ruote per alesatura e foratura a velocità variabile
Reaming and fast drilling gears for variable speeds

Ruota (X)	Z1	Ruota (Y)	Z2
Gear (X)	Z1	Gear (Y)	Z2
3723118	17	3723133	49
3723119	20	3723132	46
3723120	22	3723131	44
3723121	24	3723130	42
3723122	25	3723129	41
3723123	35	3723128	31
3723124	37	3723127	29
3723125	39	3723126	27

GILDEMEISTER GM35-6

Albero intermedio per pettinatore / *Intermediate shaft for high speed drilling*

3723005S
Albero intermedio
Senza scanalatura
*Intermmediate shaft
without slots*

3723135
Ruota Z36
Gear Z36



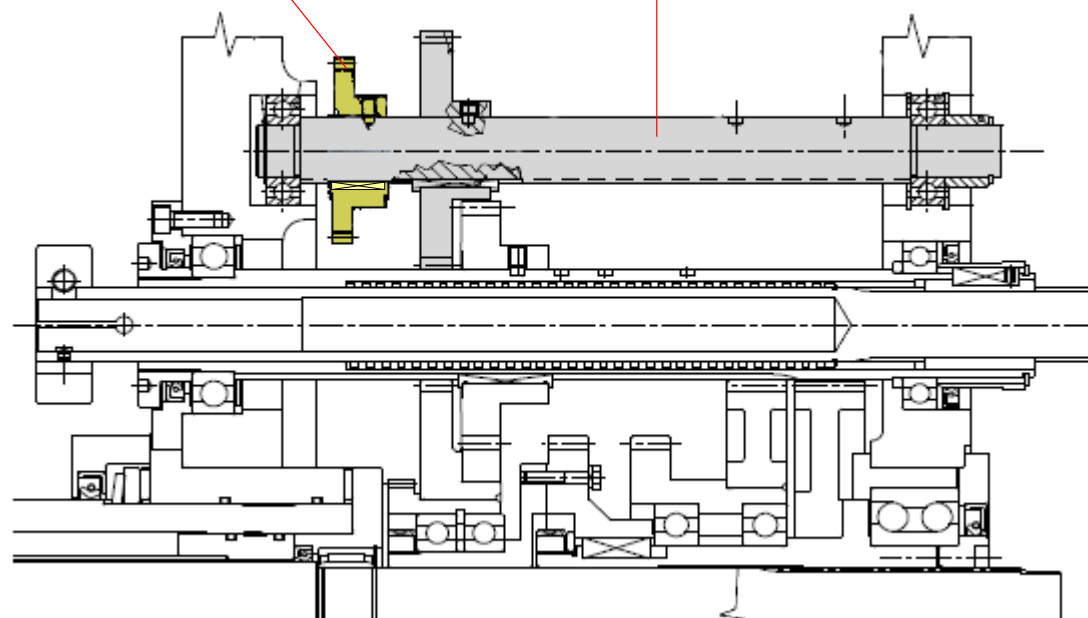
3523122s
Albero
Shaft

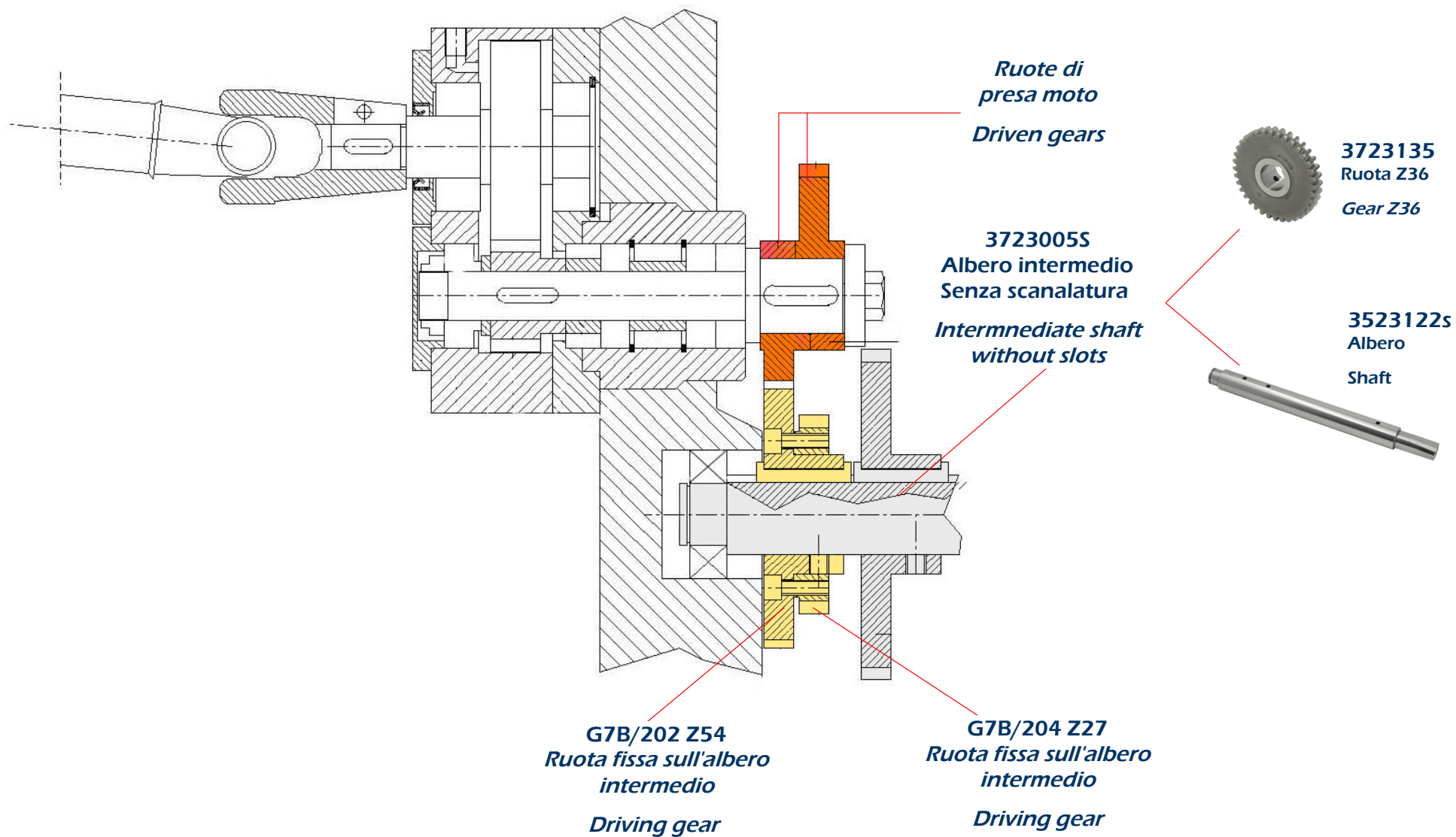


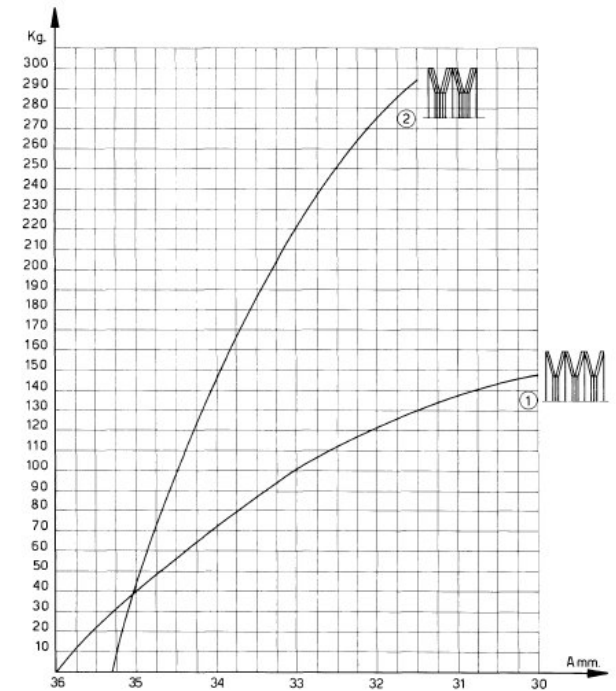
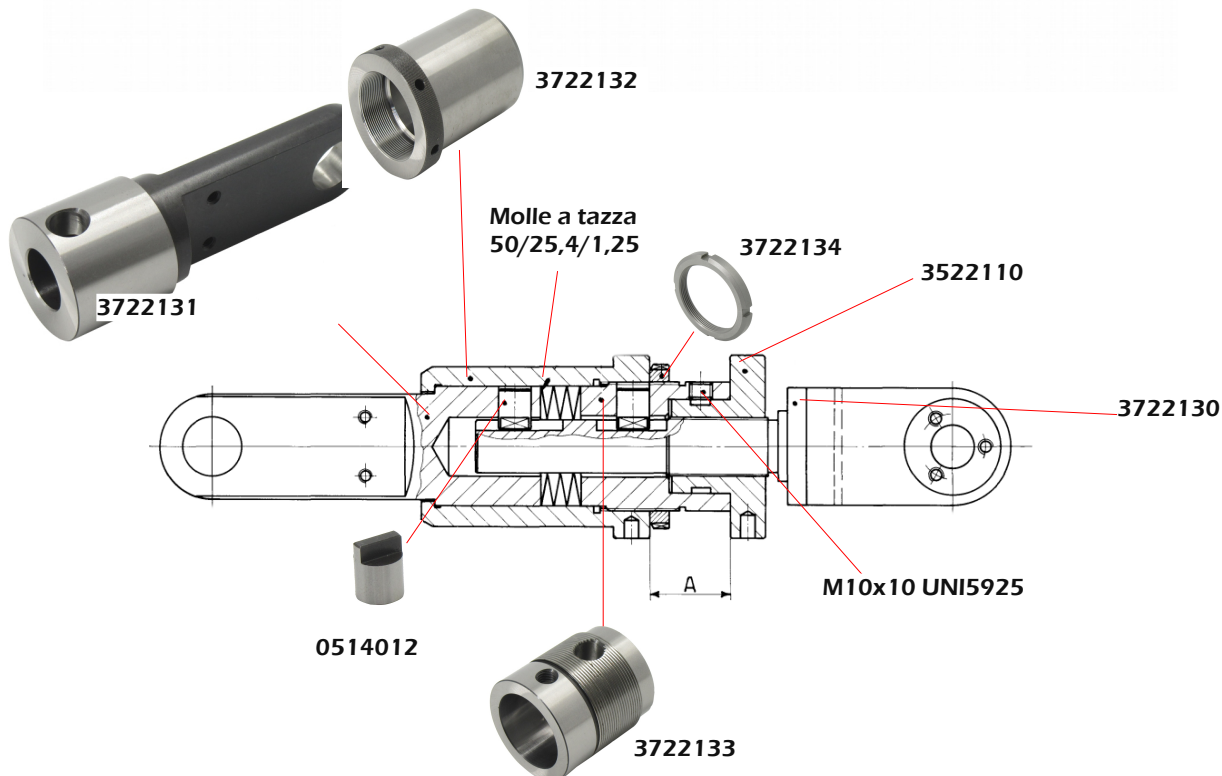
3723006
Presa di moto
(ruota Z27)
*Driving gear-box
(gear Z27)*

3723005S
Albero intermedio
Senza scanalatura
*Intermmediate shaft
without slots*

3723006
Presa di moto
(ruota Z27)
*Driving gear-box
(gear Z27)*







Apparecchi *Attachments*

Mandrini frontali rotanti
Rotating toolspindle

Sistema di controllo filettatura
Simplified threading system

Mandrino da ripresa
Pick-up attachment

Freno per mandrino da ripresa
Pos.6 pick-up brake

Slitta supplementare per la ripresa pos.6
Pos.6 additional slide for back finishing

Testina portamaschio - filiera
Sliding tap-holder

Gruppo filettatore
Threading clutch assembly

Slitte assiali e comando assiale
Axial slides

Apparecchio brocciatore
Broaching attachment

Fresatore frontale
Frontal-milling attachment

Timbratore radiale
Cross-marking attachment

Calibratore
Shaving tool-holder

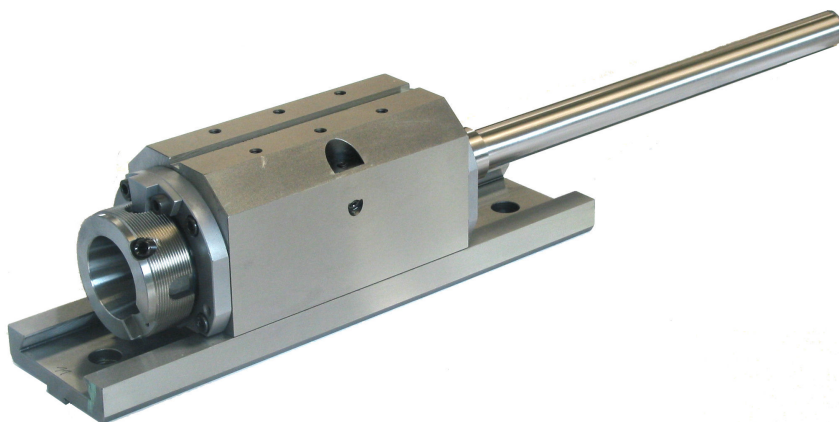
Rullatore di filetti tangenziale
Thread rolling attachment

Recessitore rotante
Rotary recessing attachment

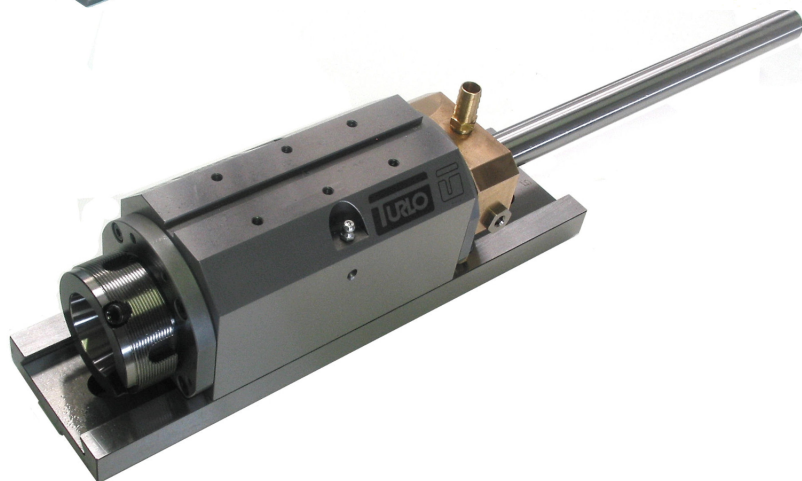
Apparecchio poligonatore e fresafiletti
Polygon generating attachment

Apparecchio pettinatore
Thread chasing attachment

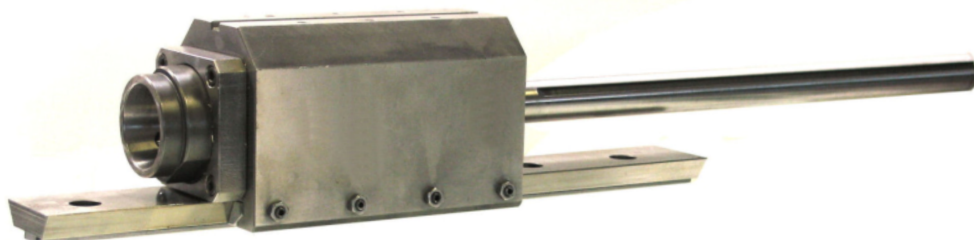
Apparecchio foratore multiplo sincronizzato
Syncro frontal multi-drilling attachment



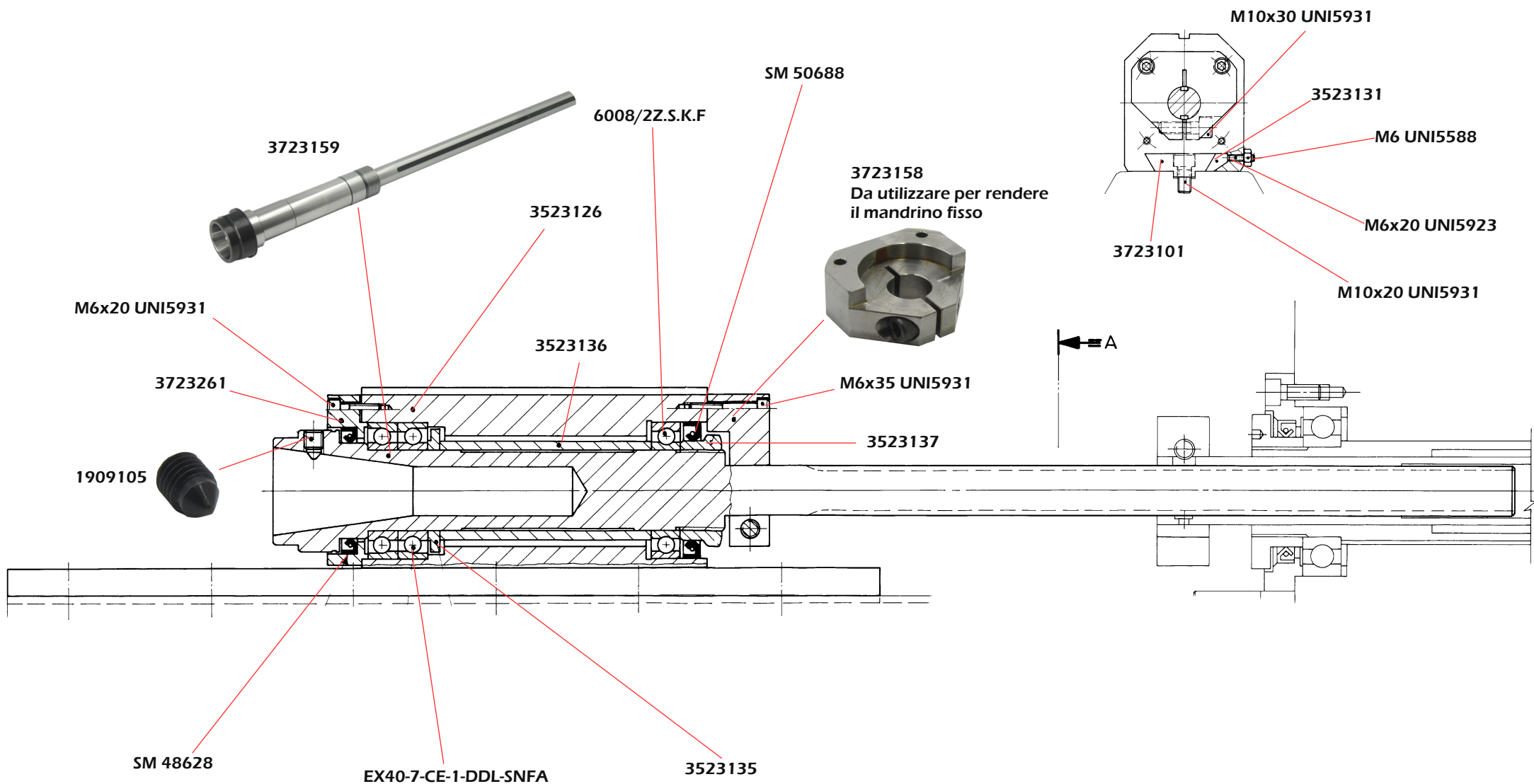
4923023
Mandrino
frontale rotante



4923025
Mandrino frontale
rotante con
refrigerazione interna



3723001
Mandrino frontale
rotante vecchio
modello

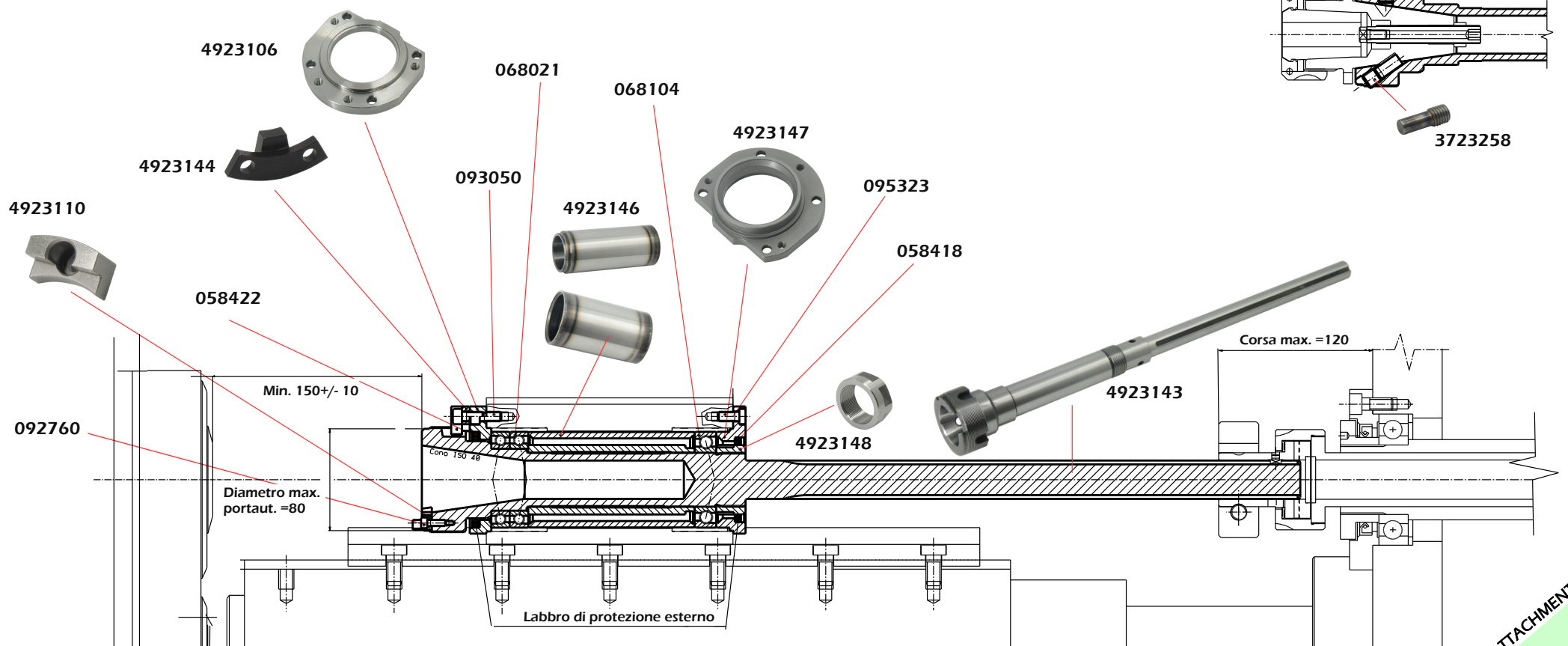


Il mandrino viene fornito come segue:

- Due opzione di slitta, tipo lungo (L=410), tipo corto (L=340)
- Attacco frontale cono ISO 40
- Predisposizione per la refrigerazione interna ad alta pressione
- Chiavetta per bloccaggio rotazione

The spindle is supplied as follows:

- Two slide options, long type (L=410), short type (L=340)
- Front connection ISO 40 cone
- Provision for high-pressure internal refrigeration
- Key for rotation locking

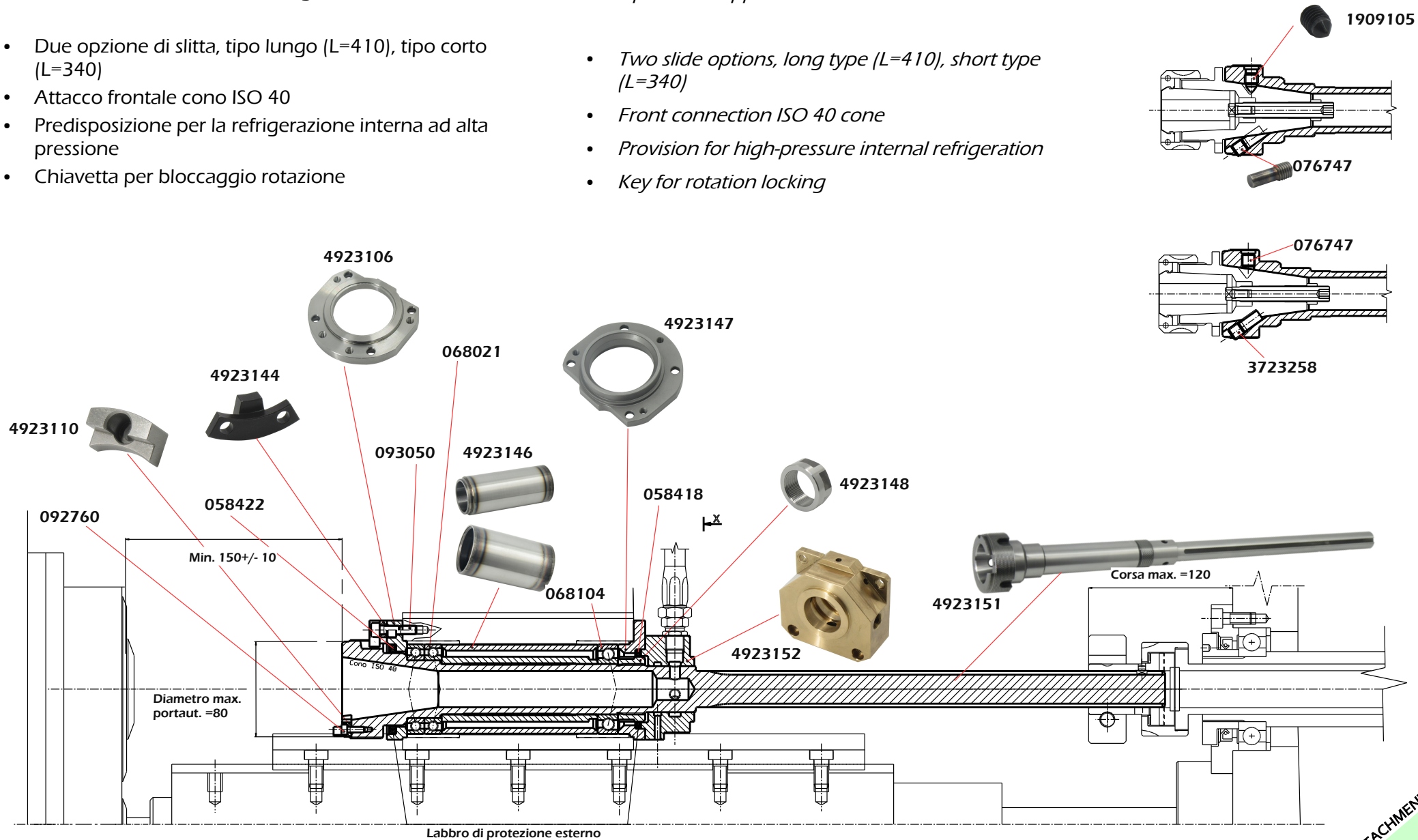


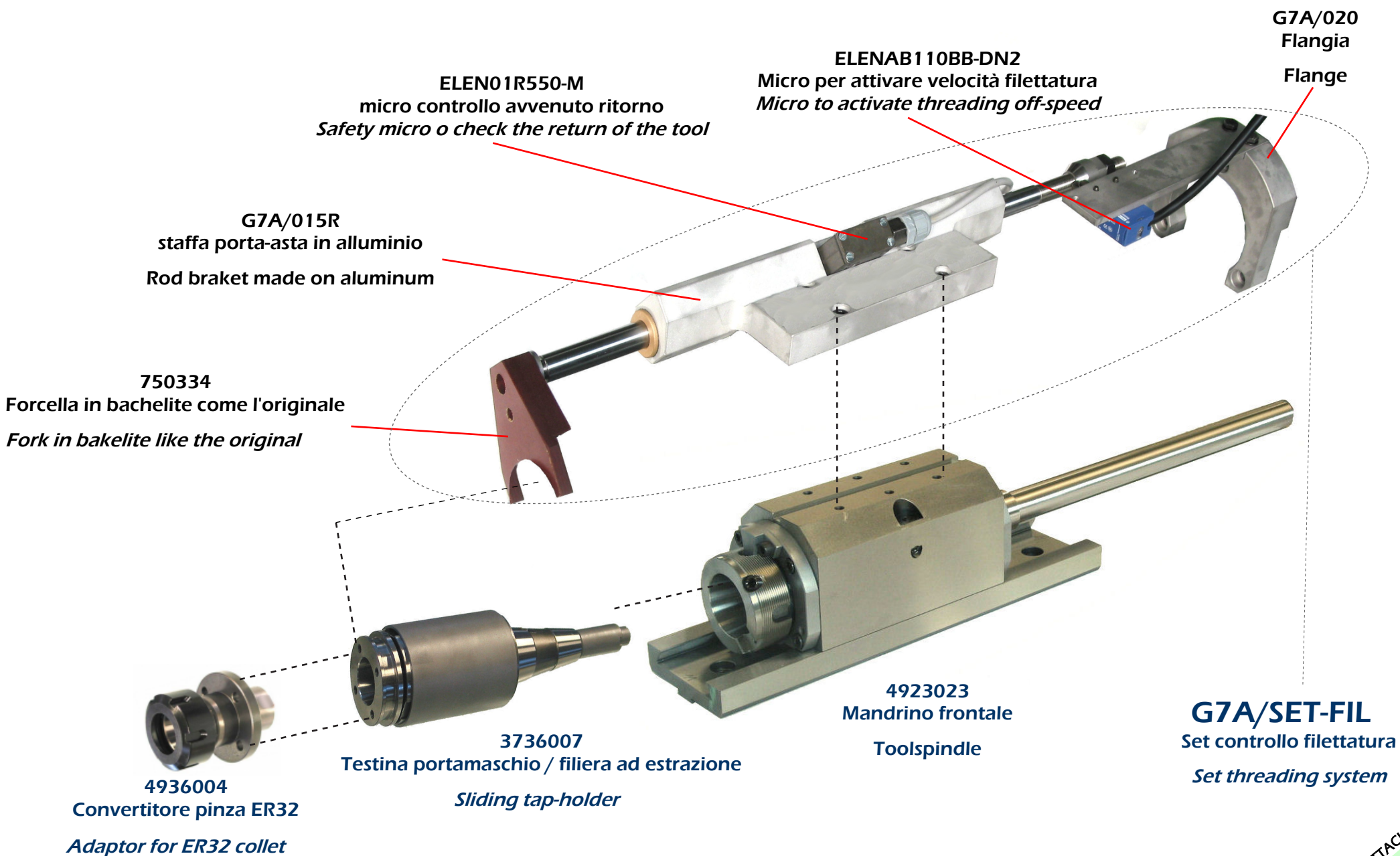
Il mandrino viene fornito come segue:

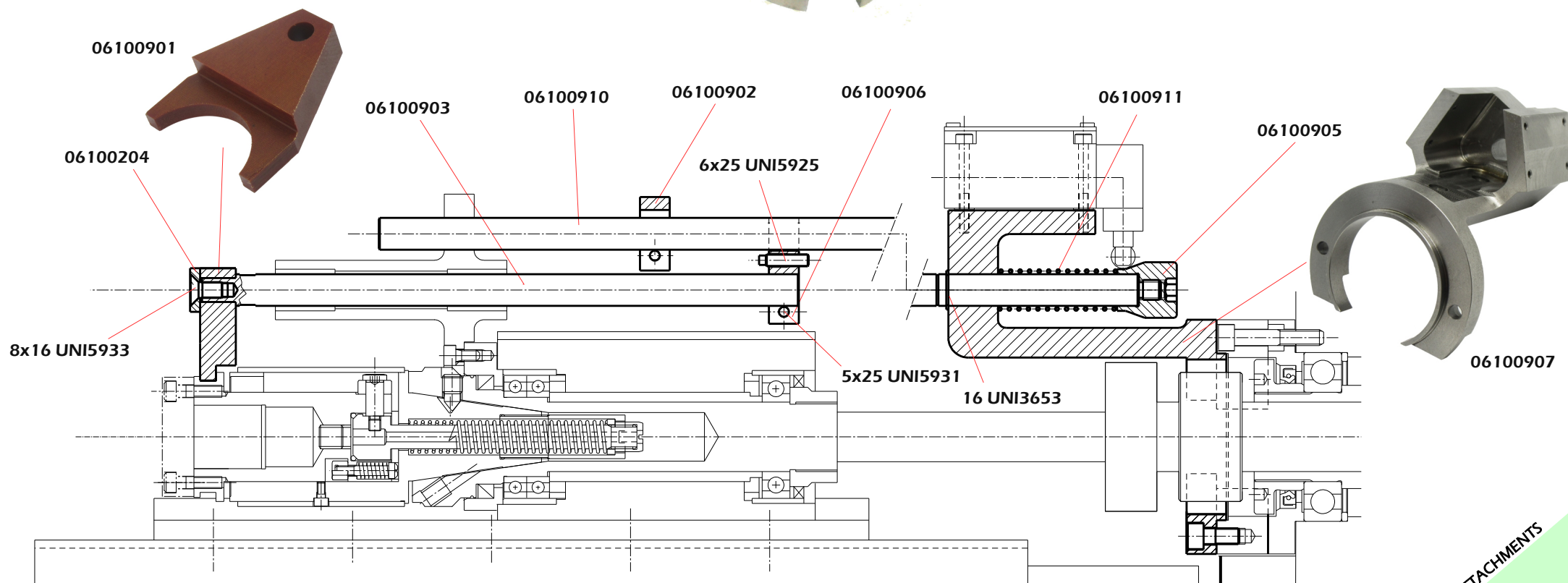
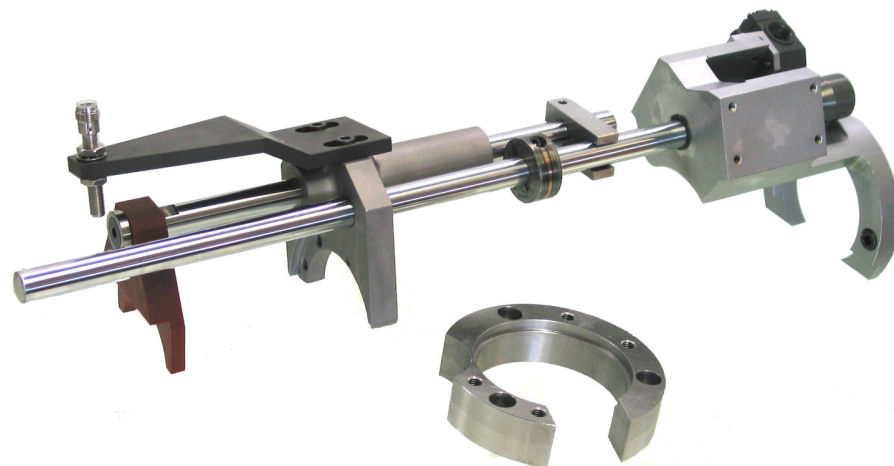
- Due opzione di slitta, tipo lungo (L=410), tipo corto (L=340)
- Attacco frontale cono ISO 40
- Predisposizione per la refrigerazione interna ad alta pressione
- Chiavetta per bloccaggio rotazione

The spindle is supplied as follows:

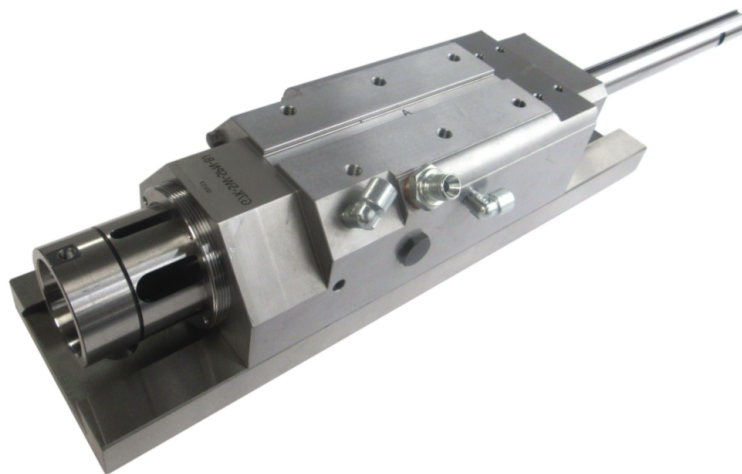
- Two slide options, long type (L=410), short type (L=340)
- Front connection ISO 40 cone
- Provision for high-pressure internal refrigeration
- Key for rotation locking







- **G7K-SW-SPN-TH :**
Versione con attacco filettato
Threaded connection version
- **G7K-SW-SPN-BJ :**
Versione con attacco a baionetta
Bayonet connection version

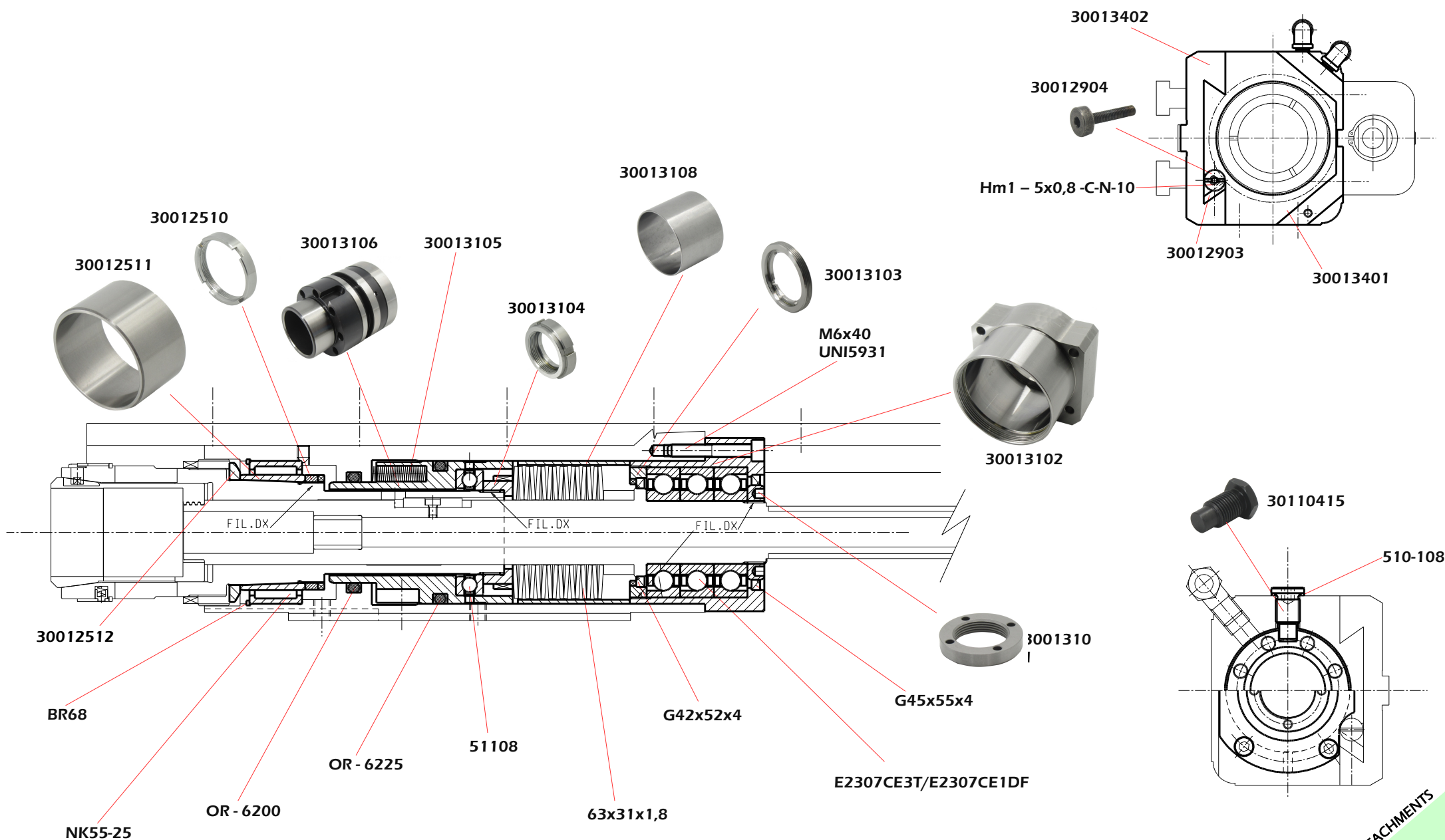


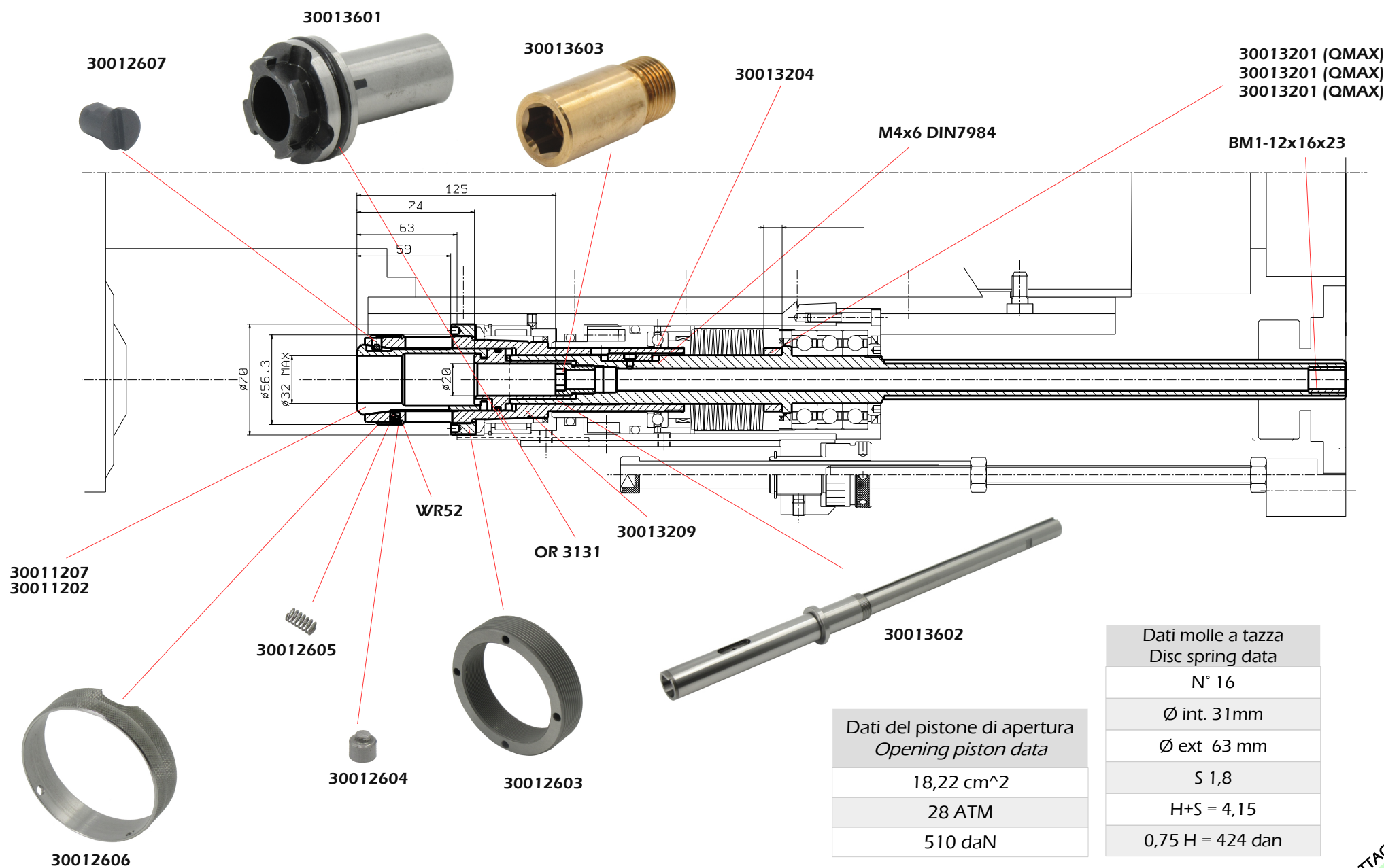
Accessori disponibili su richiesta *Available on request*

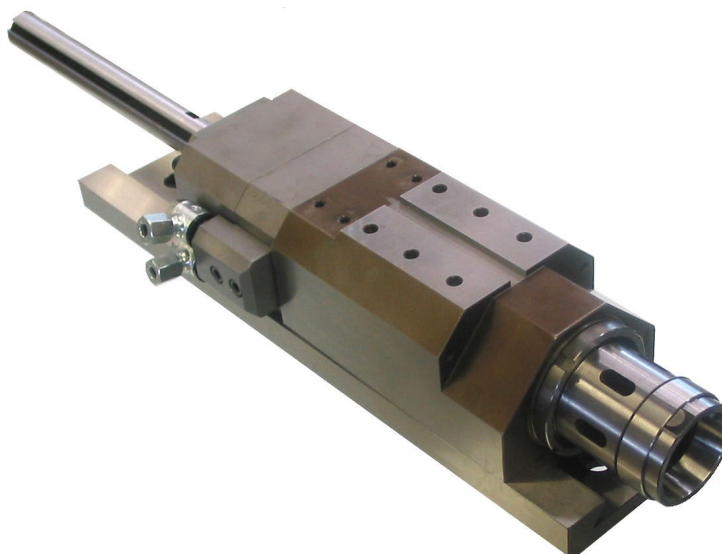
Codice <i>Code</i>	Descrizione <i>Descriptions</i>
G7K-DRV	Comando mandrino da ripresa (camma esclusa) <i>Pick-up control (cam excluded)</i>
30013000	Fermo per pick-up <i>Pick-up stop</i>
30011300	Gruppo di orientamento <i>Phasing device</i>
	Centralina idraulica <i>Hydraulic unit</i>

Questa è la prima versione del mandrino pick-up: ha bloccaggio meccanico tramite rondelle a molla e sganciamento idraulico. L'attacco pick-up viene utilizzato in posizione di taglio slitta frontale. Il suo mandrino ruota alla stessa velocità della barra, bloccando la parte con la pinza durante il taglio. Sempre con la parte nella pinza, va indietro, permettendo il posizionamento del portautensili da ripresa nella parte anteriore. Andando avanti con lo strumento da ripresa si fa la finitura della parte posteriore. L'ultima fase è l'apertura e l'espulsione del pezzo: l'apertura della pinza è idraulica, mentre la chiusura è meccanica. Nel caso manchi in macchina possiamo fornire l'unità idraulica. Possiamo inoltre fornire nuove attrezzature complete o pezzi di ricambio per i vostri pick-up originali.

This is the first version of pick-up spindle, it has mechanical clamping by spring washers and unclamping by hydraulic. The pick-up attachment is used on cutting-off position frontal slide. Its spindle rotates at the same speed than the bar, it clamps the part with the collet during the cutting-off. Still with the part in the collet, it goes backward, allowing the positioning of the reprise tool-holder in front. Going forward against the reprise tool it makes the finishing of the part on the back side. The last phase is the opening of the collet and the expulsion of the part. The opening of the collet is hydraulic, while the closing is mechanical. We can supply the hydraulic unit in case it is missing in the machine. We can supply new complete attachments or spare parts for your original attachments or we can rebuild your old attachments.







- **G7K-SPN-TH :**
Versione con attacco filettato
Threaded connection version
- **G7K-SPN-BJ :**
Versione con attacco a baionetta
Bayonet connection version

Accessori disponibili su richiesta *Available on request*

Codice <i>Code</i>	Descrizione <i>Descriptions</i>
G7K-DRV	Comando mandrino da ripresa (camma esclusa) <i>Pick-up control (cam excluded)</i>
30013000	Fermo per pick-up <i>Pick-up stop</i>
30011300	Gruppo di orientamento <i>Phasing device</i>
	Centralina idraulica <i>Hydraulic unit</i>

Questa è l'ultima versione del mandrino pick-up: ha sia il serraggio che lo sganciamento idraulico. L'attacco pick-up viene utilizzato in posizione di taglio slitta frontale. Il suo mandrino ruota alla stessa velocità della barra, bloccando la parte con la pinza durante il taglio. Sempre con la parte nella pinza, va indietro, permettendo il posizionamento del portautensili da ripresa nella parte anteriore. Andando avanti con lo strumento da ripresa si fa la finitura della parte posteriore. L'ultima fase è l'apertura e l'espulsione del pezzo: l'apertura e la chiusura della pinza è completamente idraulica. Nel caso manchi in macchina possiamo fornire l'unità idraulica. Possiamo inoltre fornire nuove attrezzature complete o pezzi di ricambio per i vostri pick-up originali.

This is the last version of pick-up spindle, it has both clamping and unclamping by hydraulic.

The pick-up attachment is used on cutting-off position frontal slide. Its spindle rotates at the same speed than the bar, it clamps the part with the collet during the cutting-off.

Still with the part in the collet, it goes backward, allowing the positioning of the reprise tool-holder in front. Going forward against the reprise tool it makes the finishing of the part on the back side.

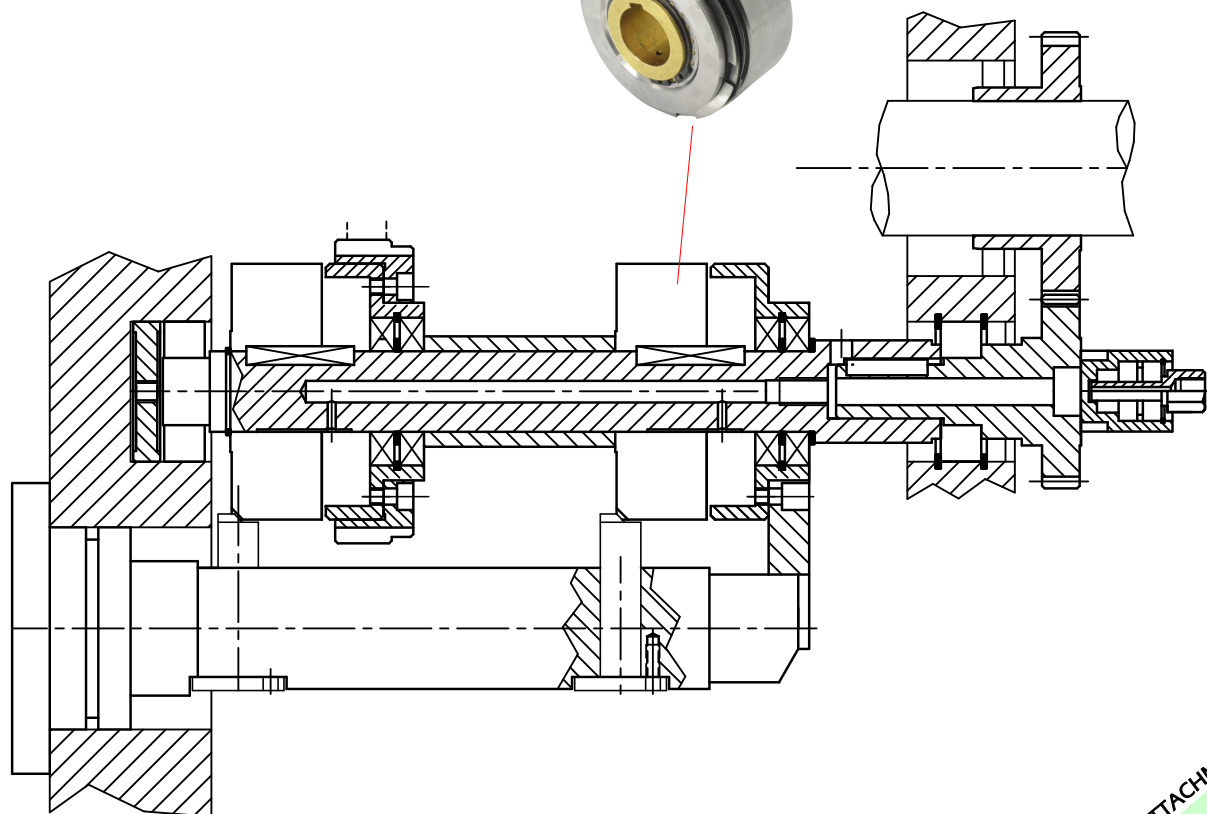
The last phase is the opening of the collet and the expulsion of the part. The opening and closing of the collet is fully hydraulic.

We can supply the hydraulic unit in case it is missing in the machine.

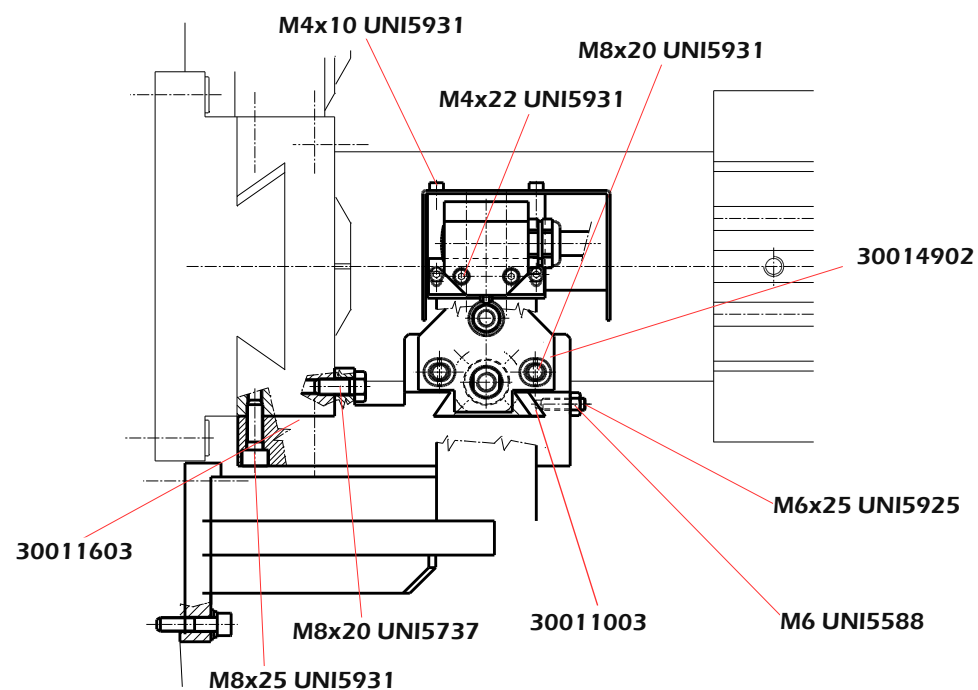
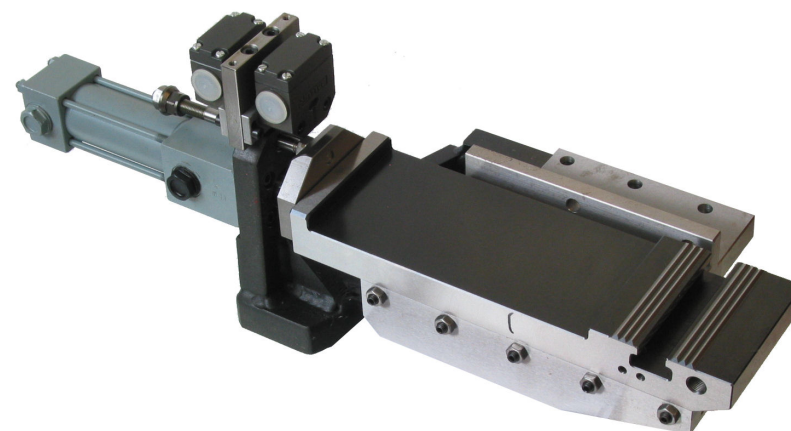
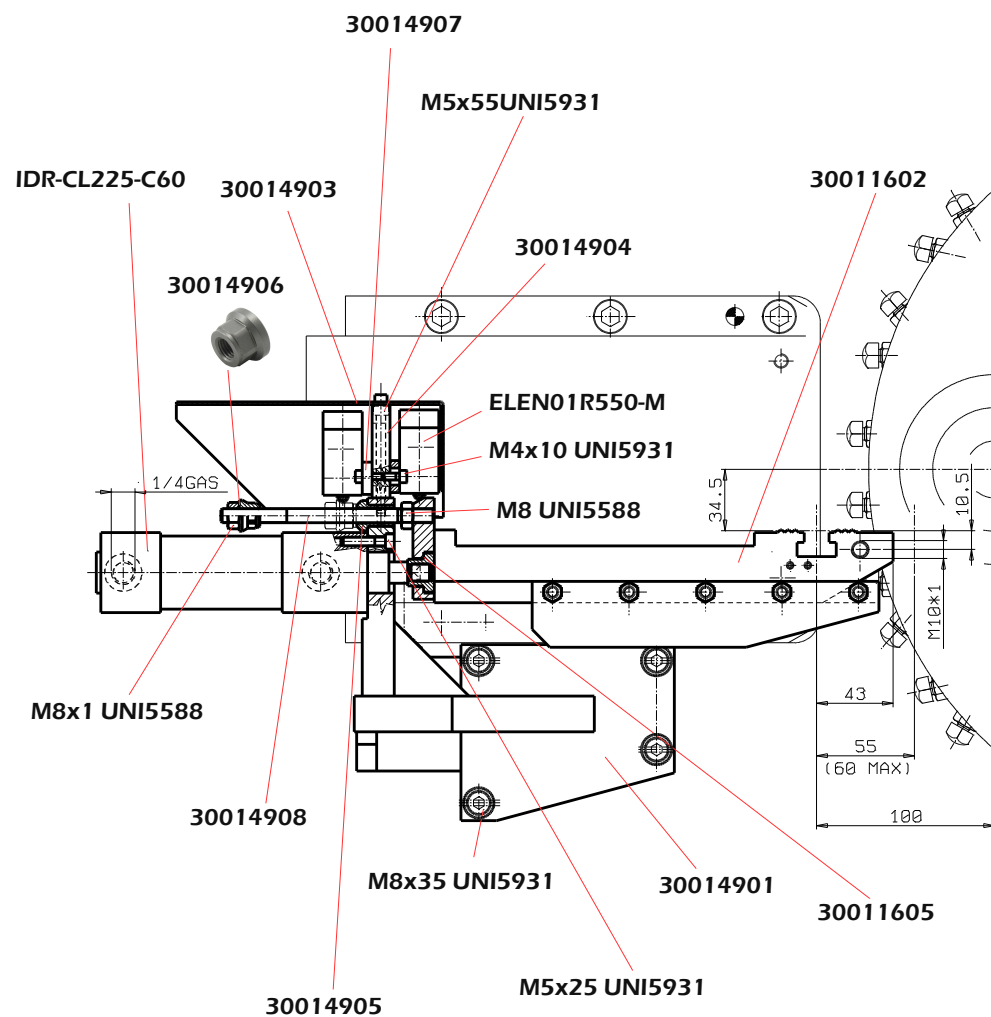
We can supply new complete attachments or spare parts for your original attachments or we can rebuild your old attachments

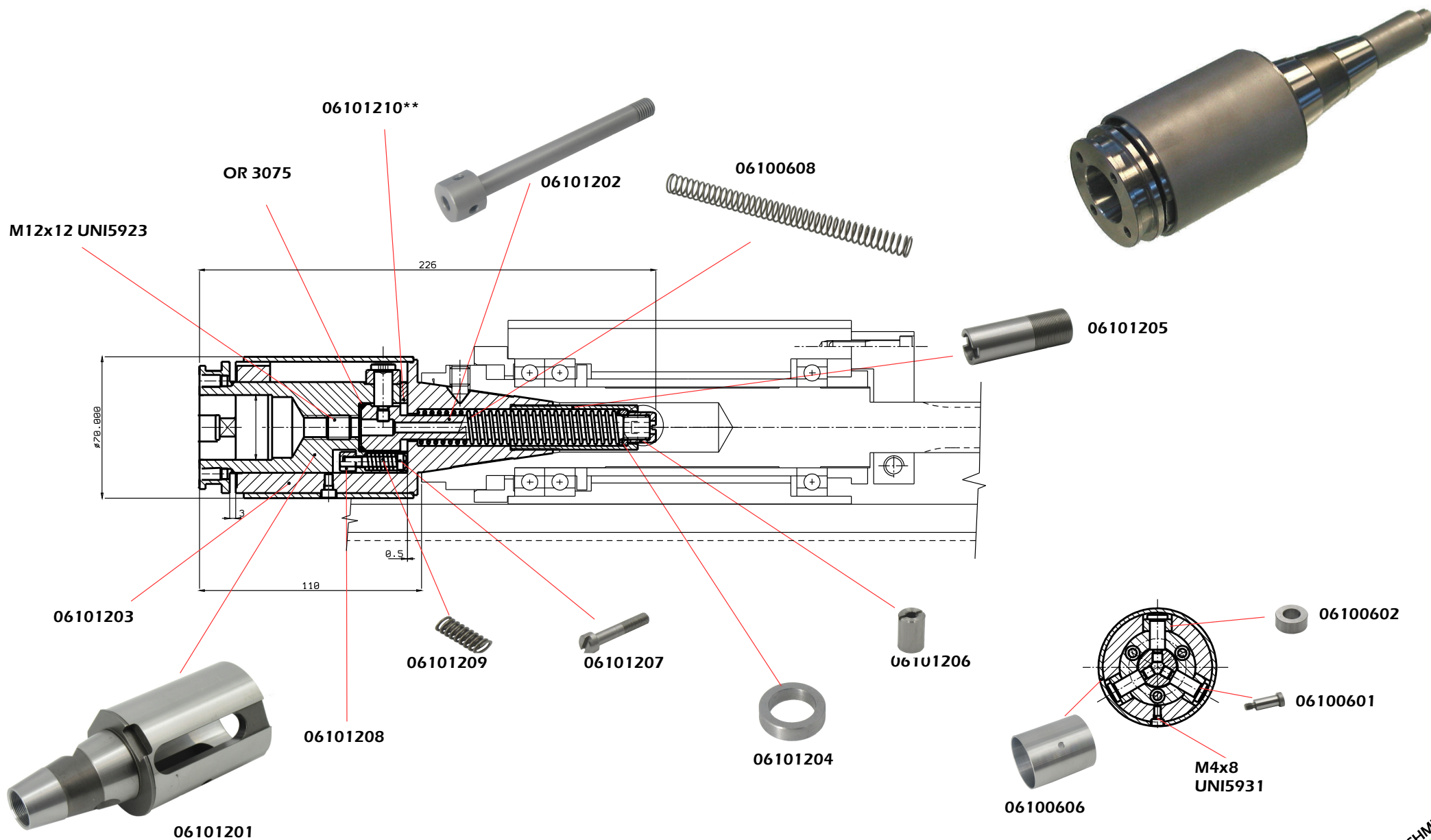


FORT 11



Velocità massima mandrini principali "g/min"	Tempo minimo di produzione "s"
Max. toolspindle rotating speed "g/min"	Min. production time "s"
2500	3
3000	5
3500	8
4000	10

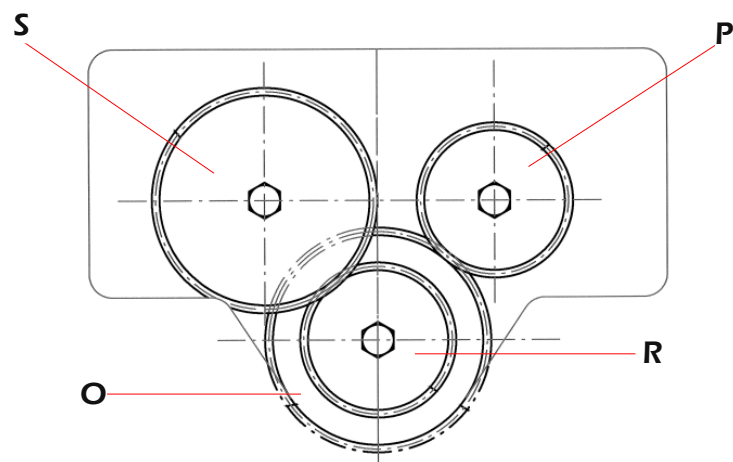




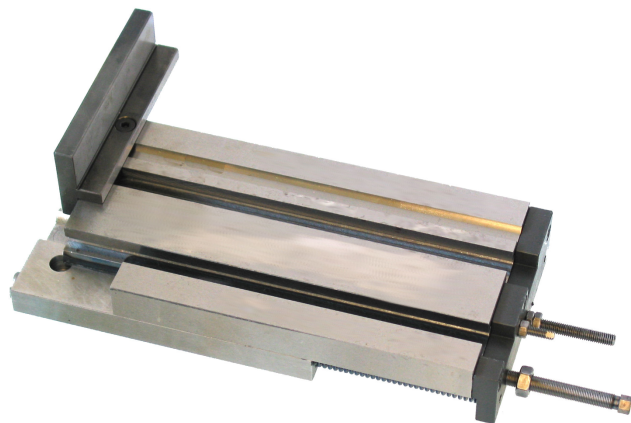


Cambio delle velocità di filettatura – Threading ratios

Andata filetto dx - Right-handed in-speed threading ratio					Ritorno filetto dx - Right-handed off-speed threading ratio				
Ingranaggio P		Ingranaggio O		Rapporto filettatura	Ingranaggio S		Ingranaggio R		Rapporto filettatura
Code	Z	Code	Z		Code	Z	Code	Z	
3510208	33	3510219	58	0,43	3510219	58	3510208	33	0,76
3510209	35	3510218	56	0,37	3510218	56	3510209	35	0,60
3510210	37	3510217	54	0,31	3510217	54	3510210	37	0,47
3510211	39	3510216	52	0,25	3510216	52	3510211	39	0,33
3510212	41	3510215	50	0,18	3510215	50	3510212	41	0,22
3510213	43	3510214	48	0,10	3510214	48	3510213	43	0,11

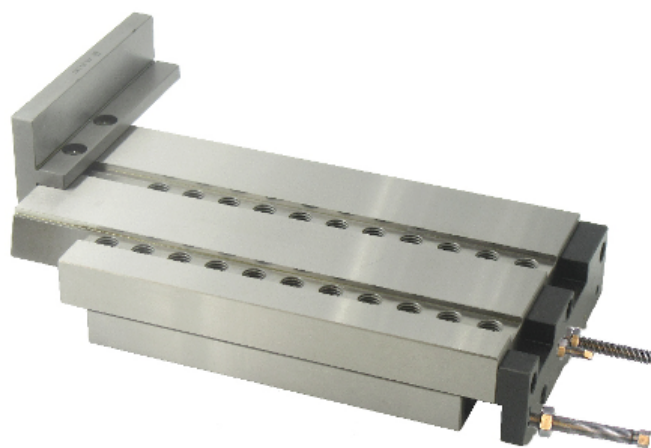


Andata filetto sx - Left-handed in-speed threading ratio					Ritorno filetto sx - Left-handed off-speed threading ratio				
Ingranaggio P		Ingranaggio O		Rapporto filettatura	Ingranaggio S		Ingranaggio R		Rapporto filettatura
Code	Z	Code	Z		Code	Z	Code	Z	
3510219	58	3510208	33	0,76	3510208	33	3510219	58	0,43
3510218	56	3510209	35	0,60	3510209	35	3510218	56	0,37
3510217	54	3510210	37	0,47	3510210	37	3510217	54	0,31
3510216	52	3510211	39	0,33	3510211	39	3510216	52	0,25
3510215	50	3510212	41	0,22	3510212	41	3510215	50	0,18
3510214	48	3510213	43	0,11	3510213	43	3510214	48	0,10



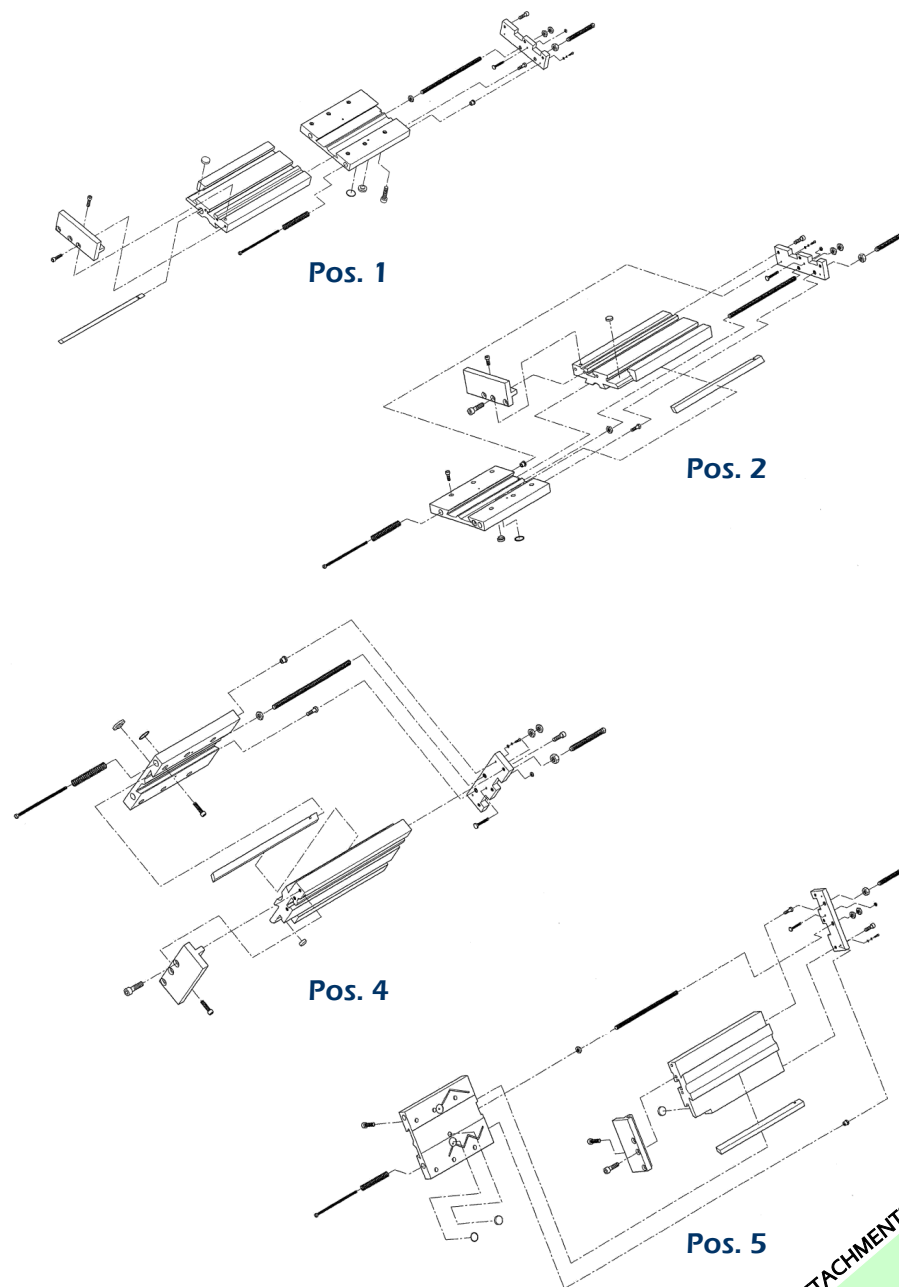
Slitta con cave a T

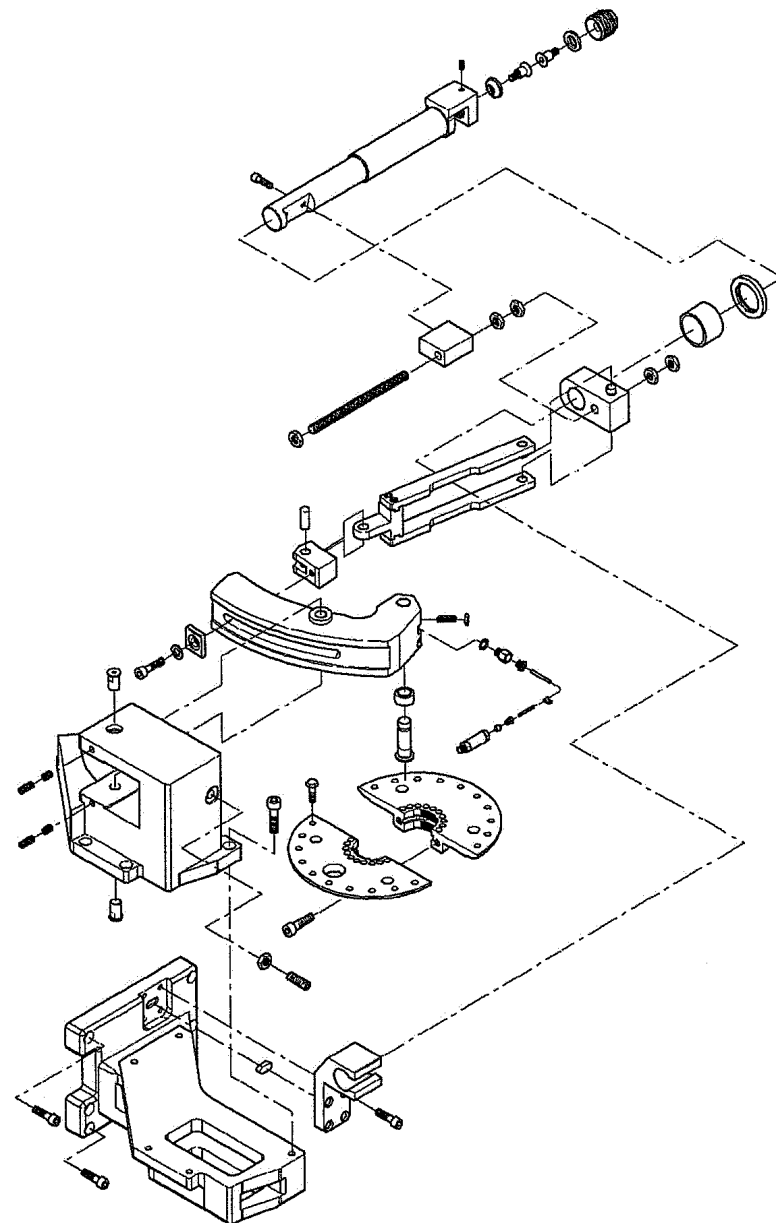
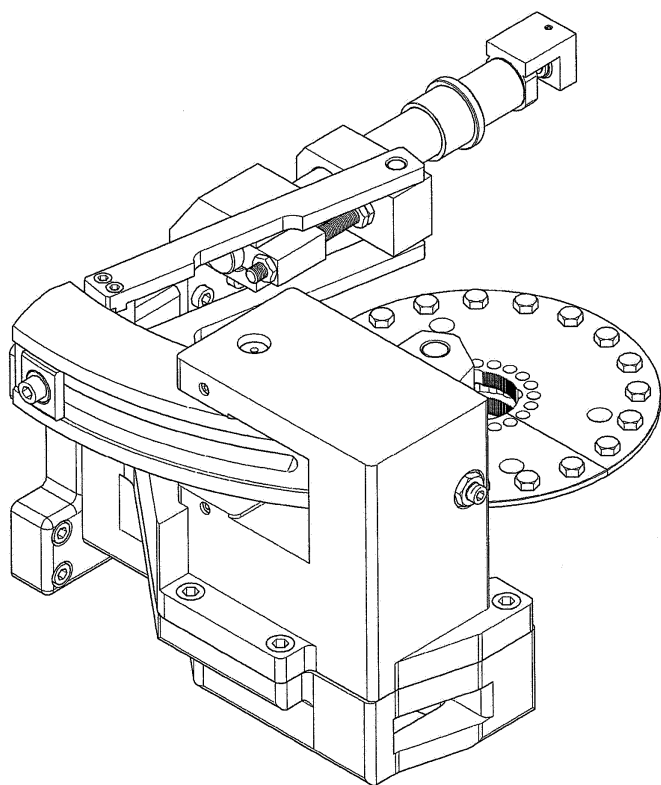
Codice Code	Posizione Position
4925019	1
4925020	2
4925017	4
4925018	5

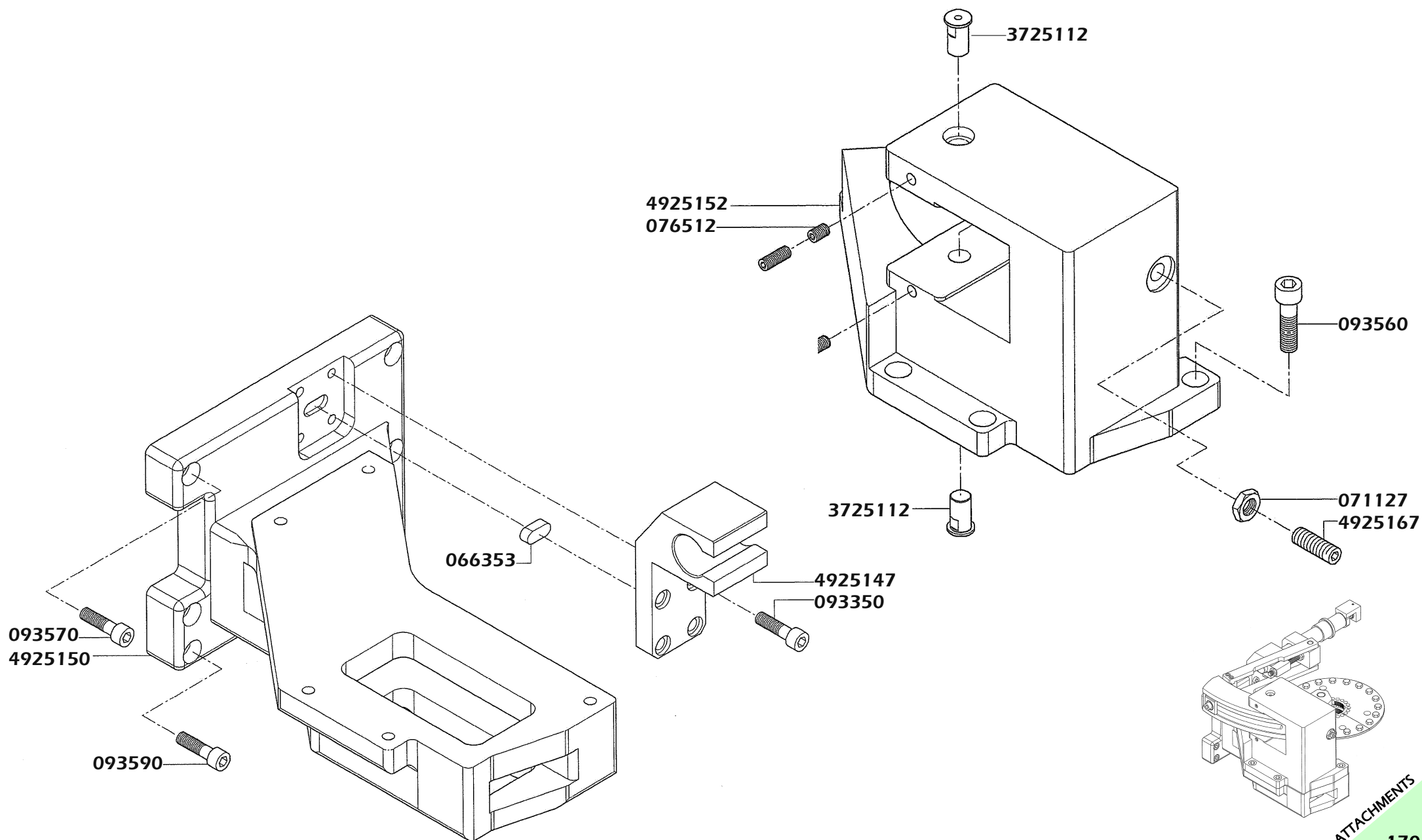


Slitta con fori filettati

Codice Code	Posizione Position
4925023	1
4925024	2
4925021	4
4925022	5

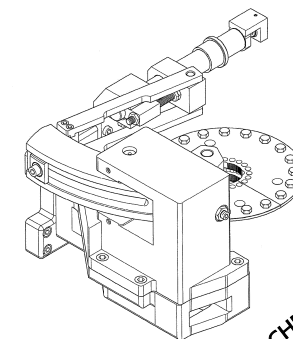
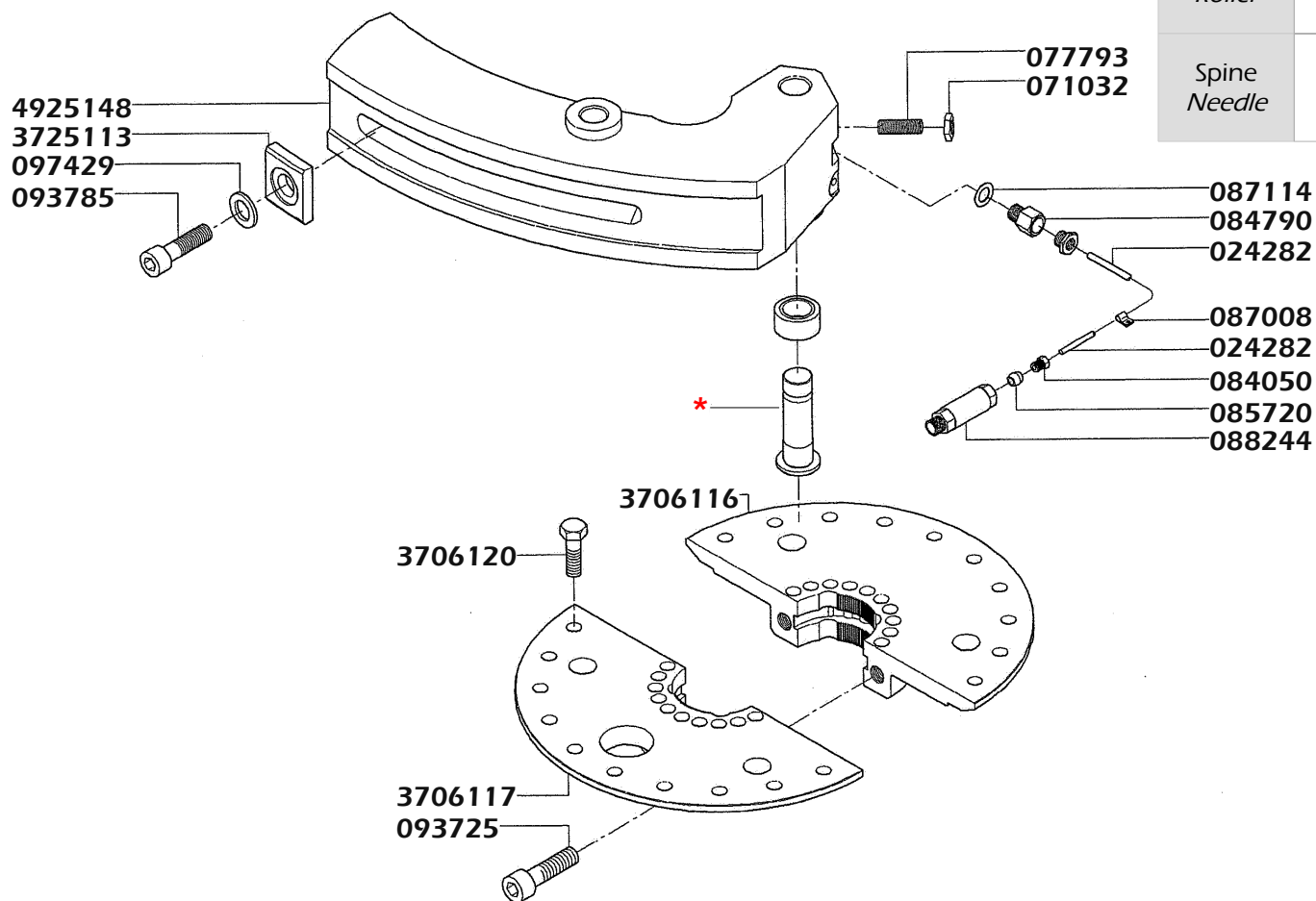


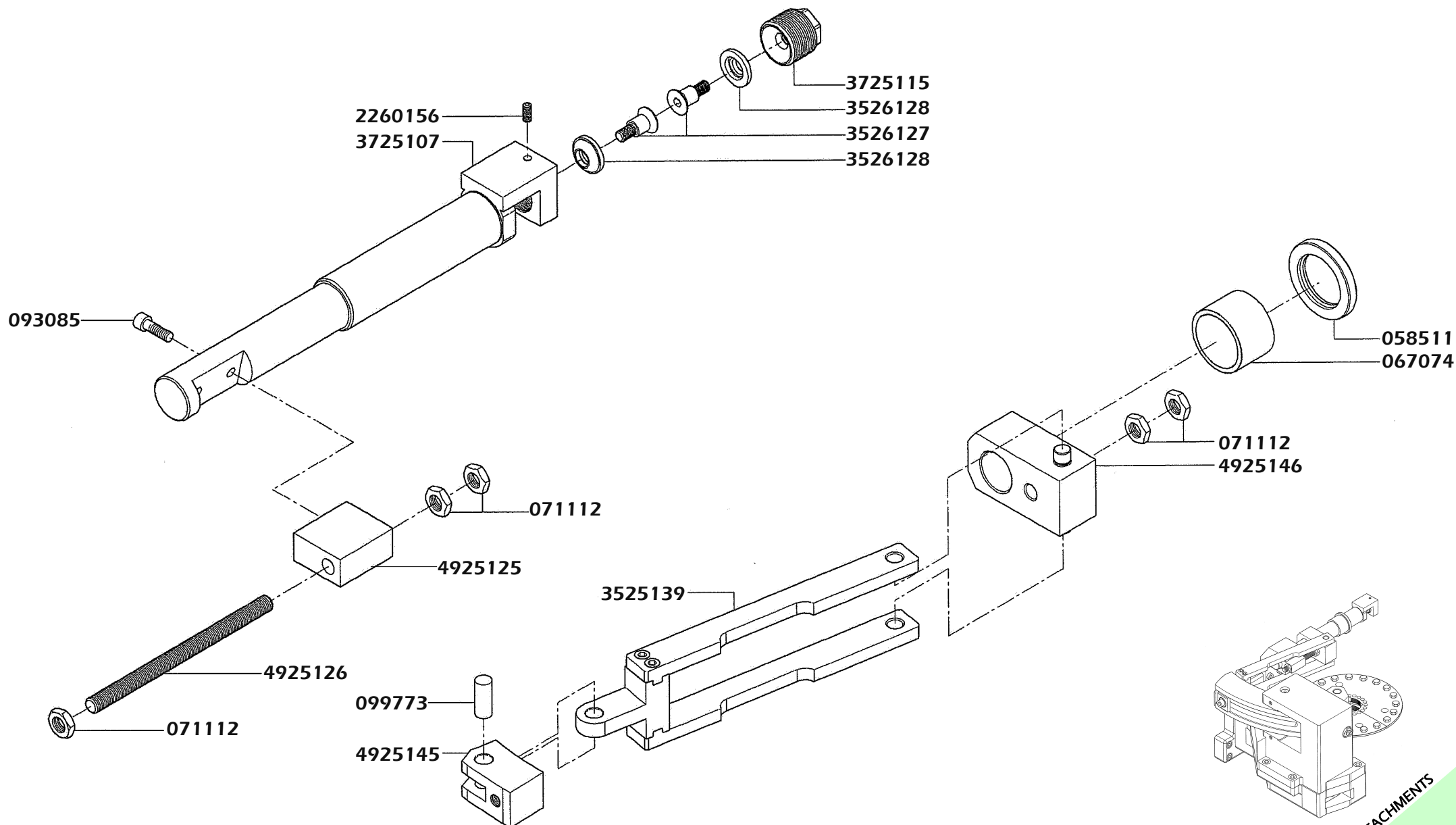


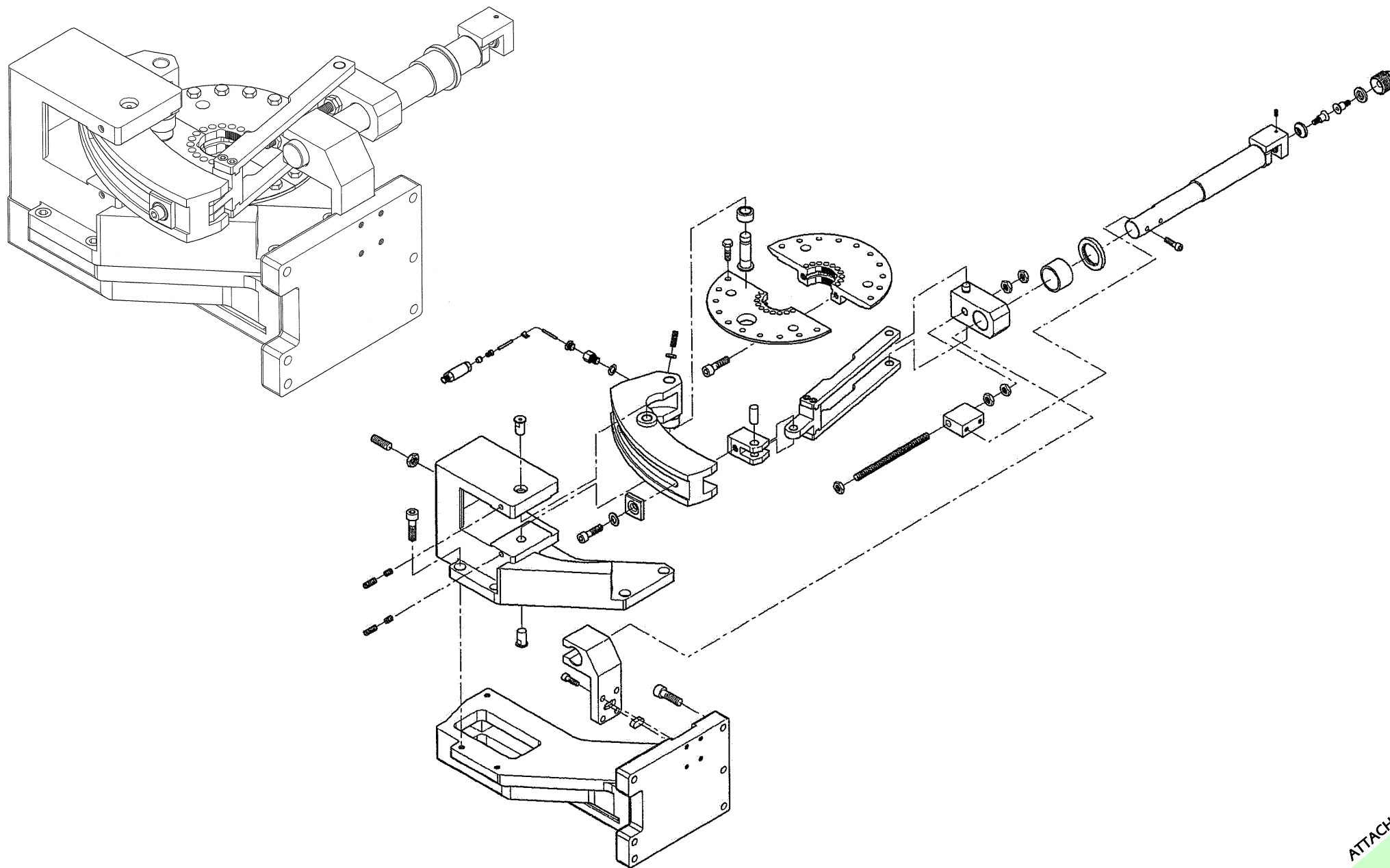


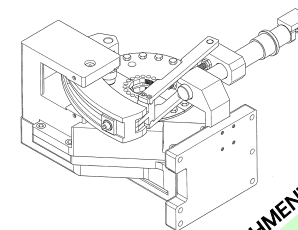
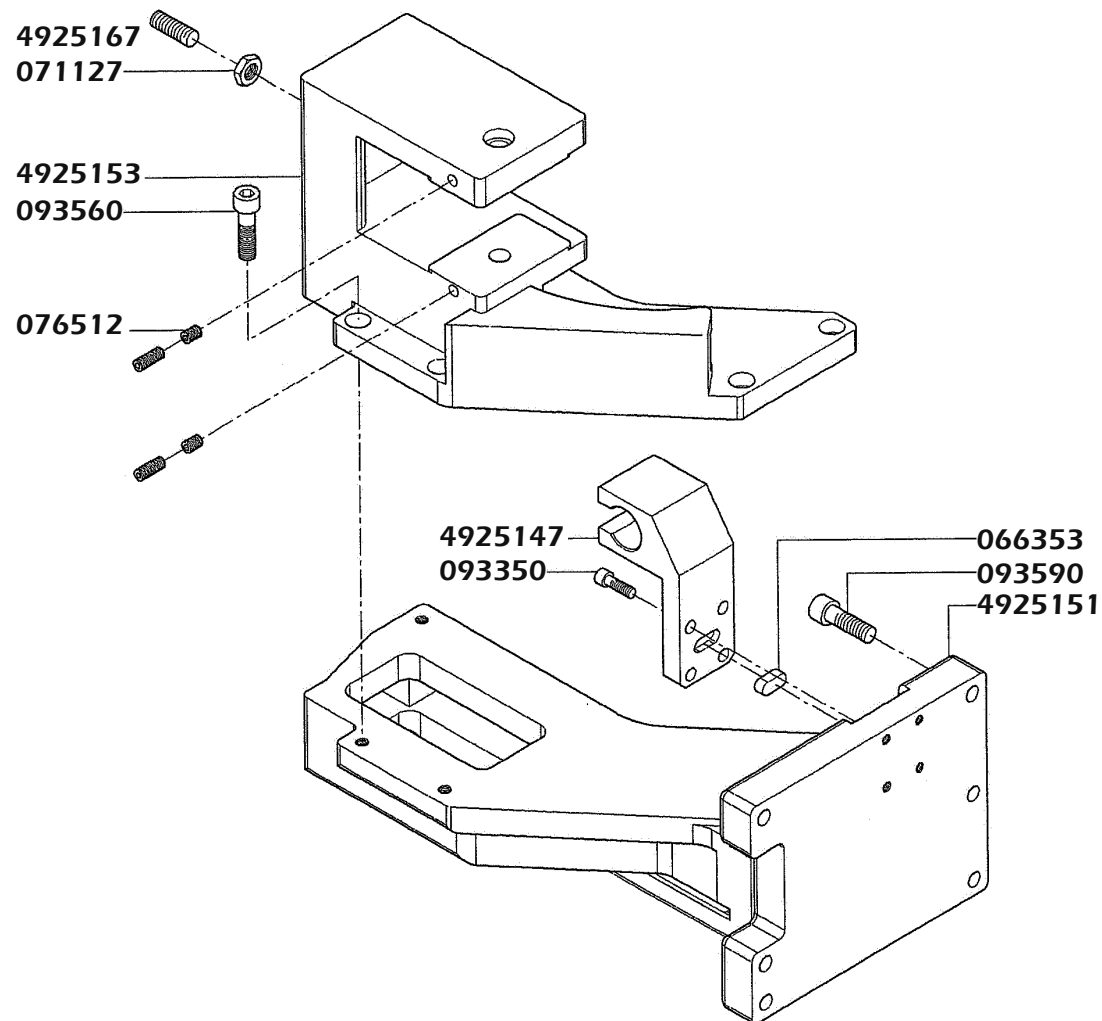
*Perno / rullo camme – Pin / cam roller

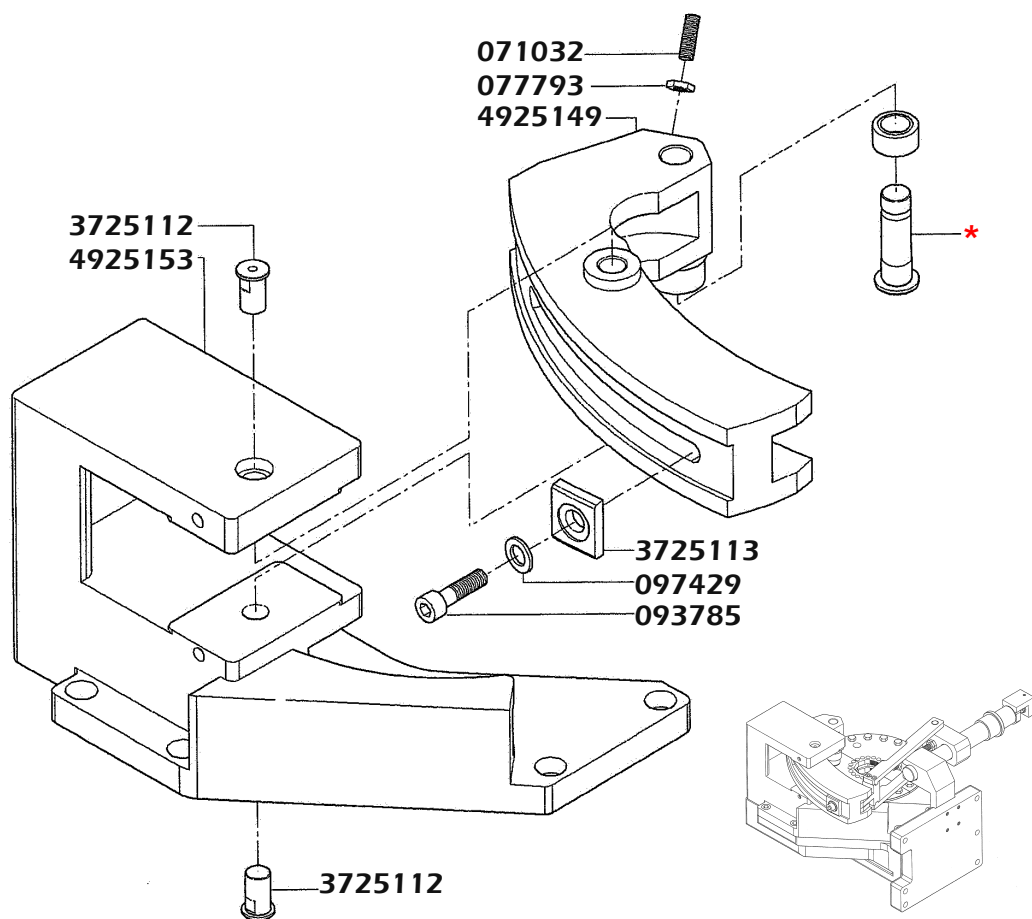
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3523123 	4925101 	066796 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Incluse Included





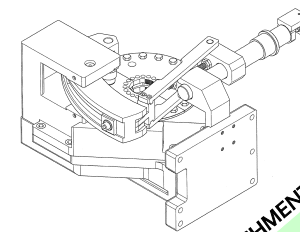


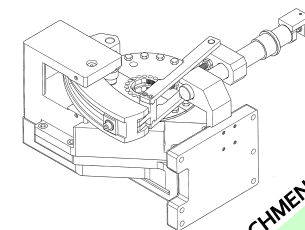
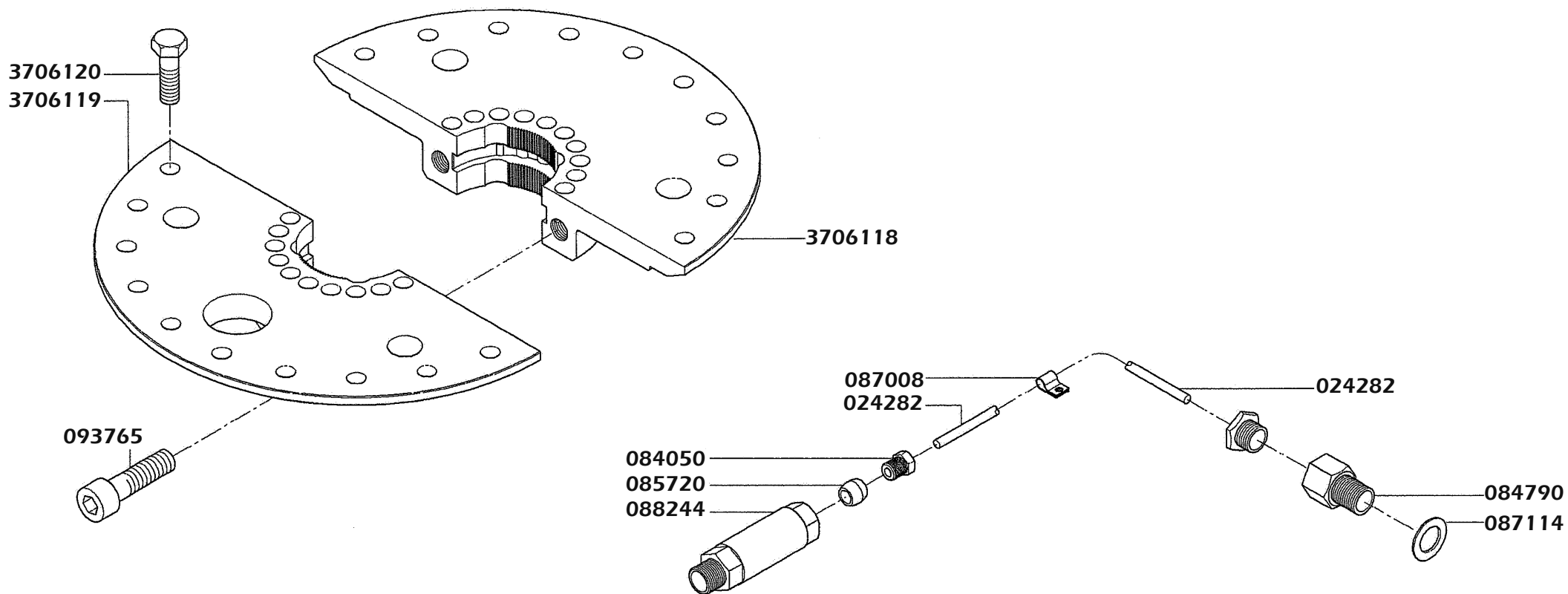


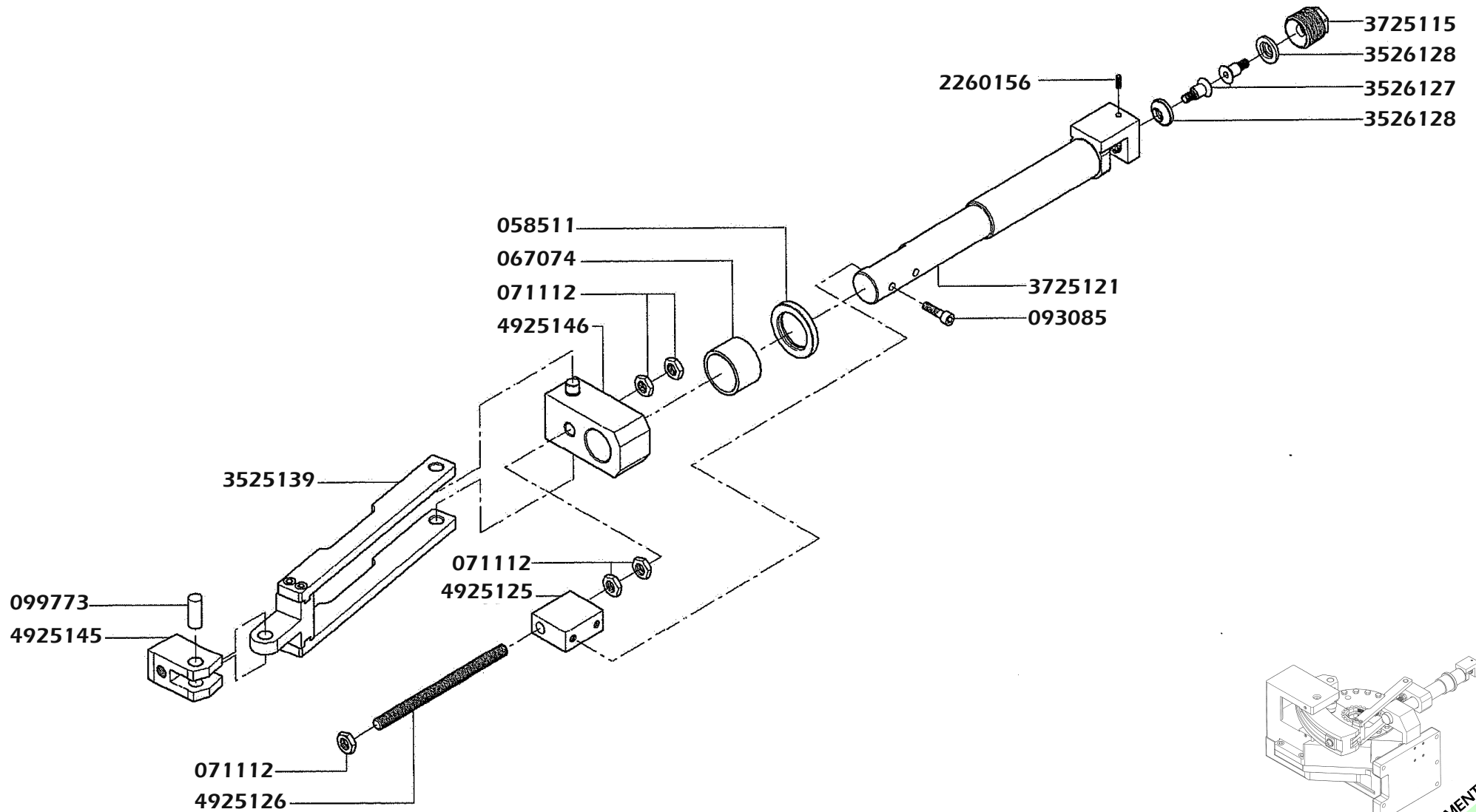


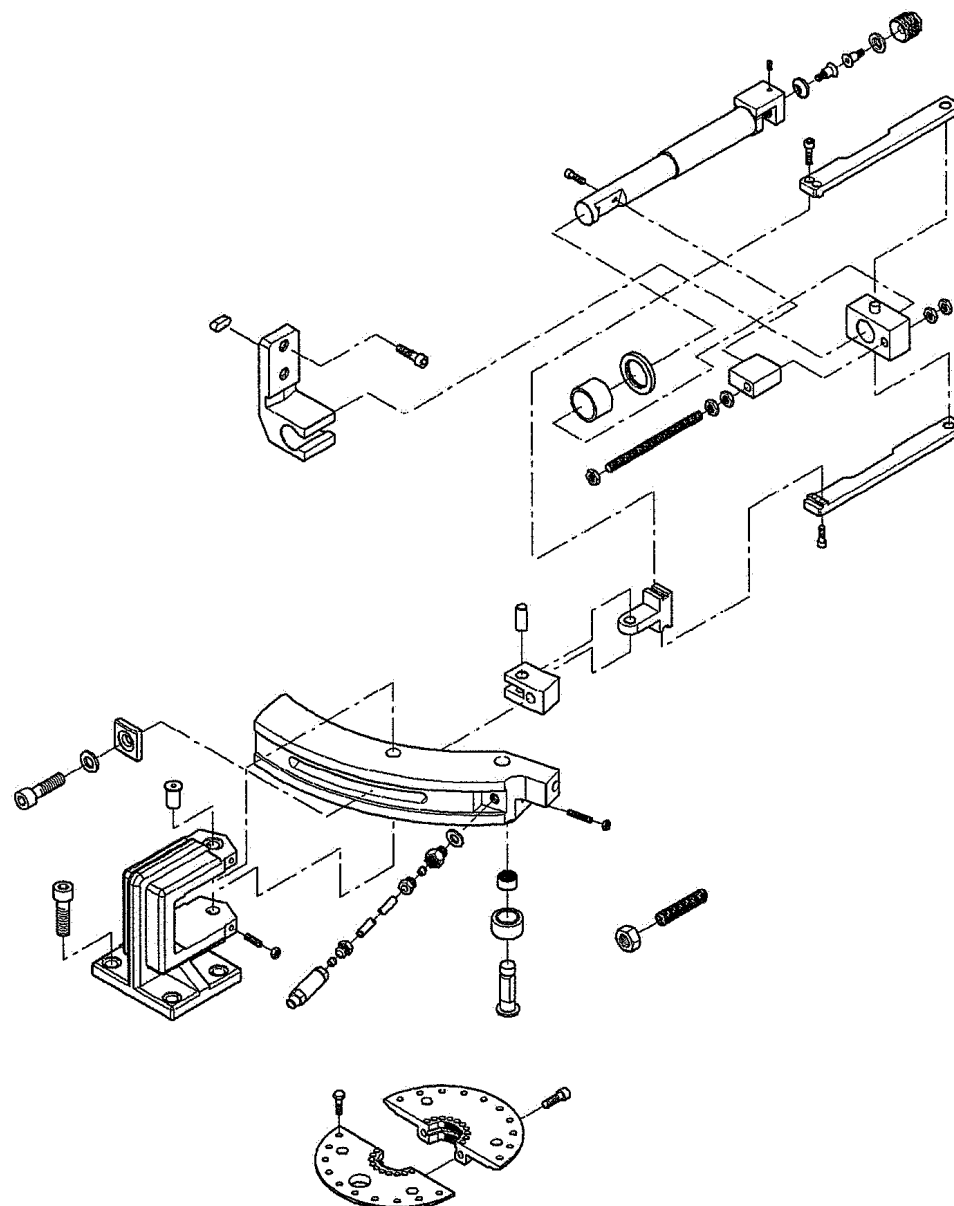
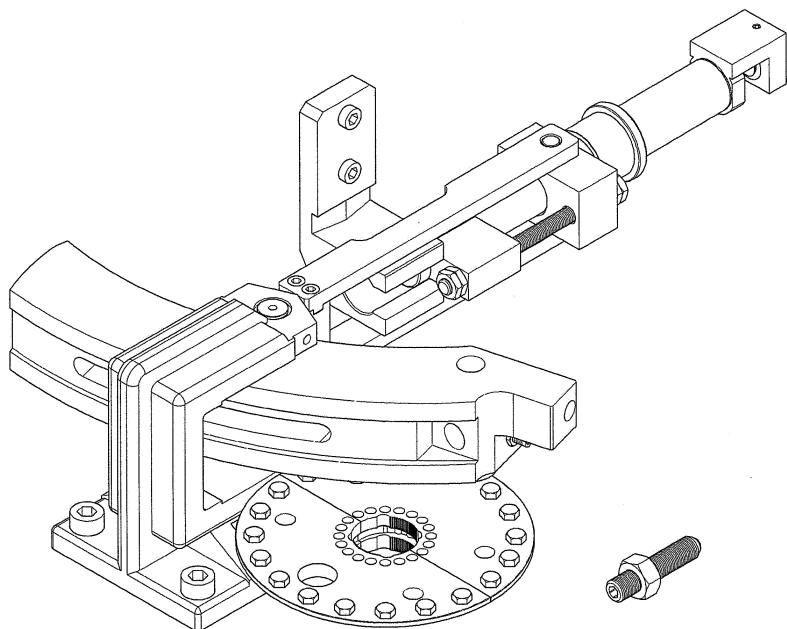
* Perno / rullo camme – Pin / cam roller

	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3523123 	4925101 	066796 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Incluse Included



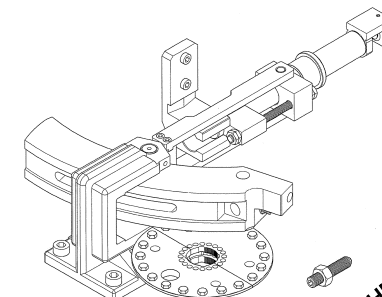
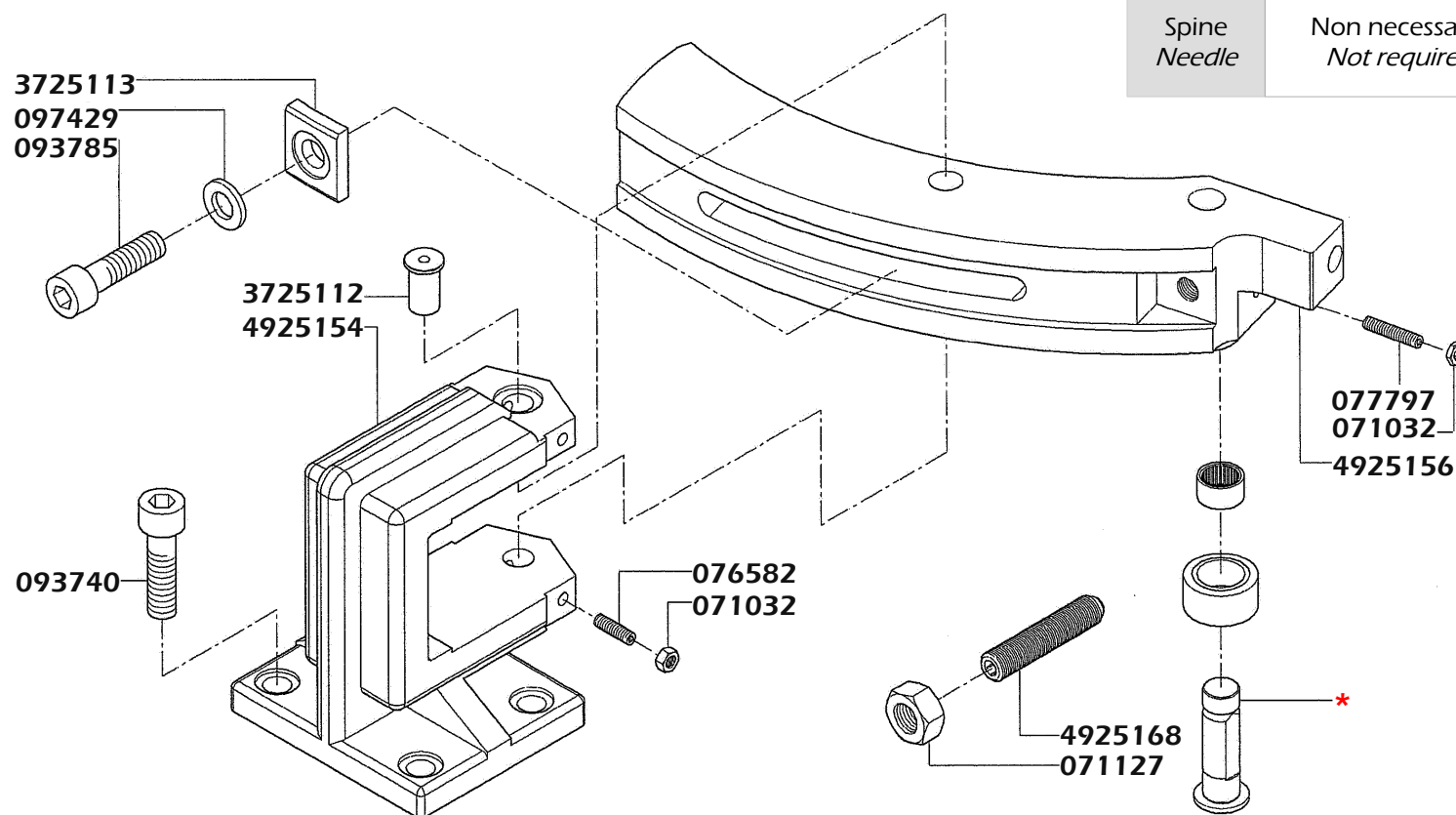


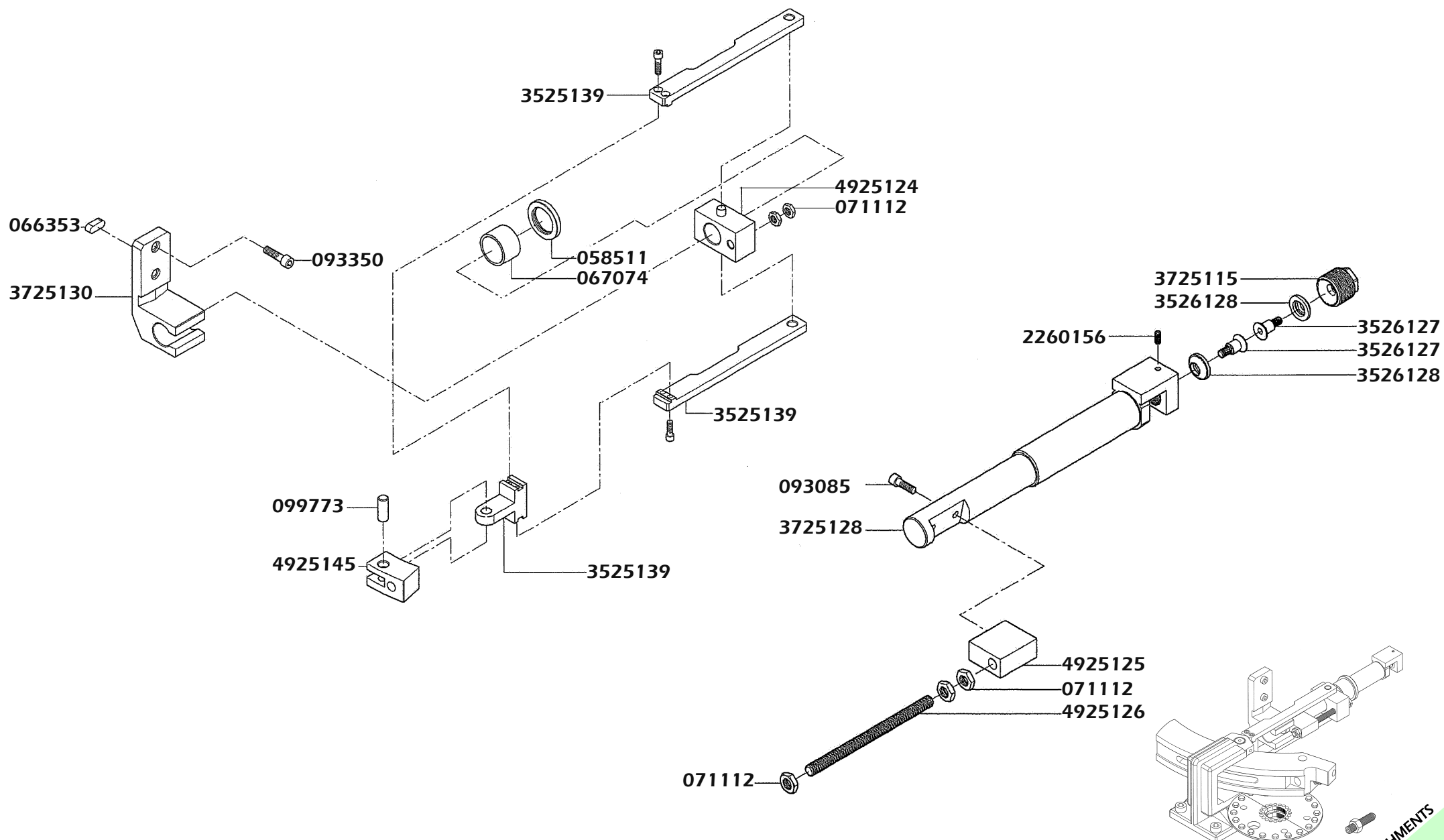


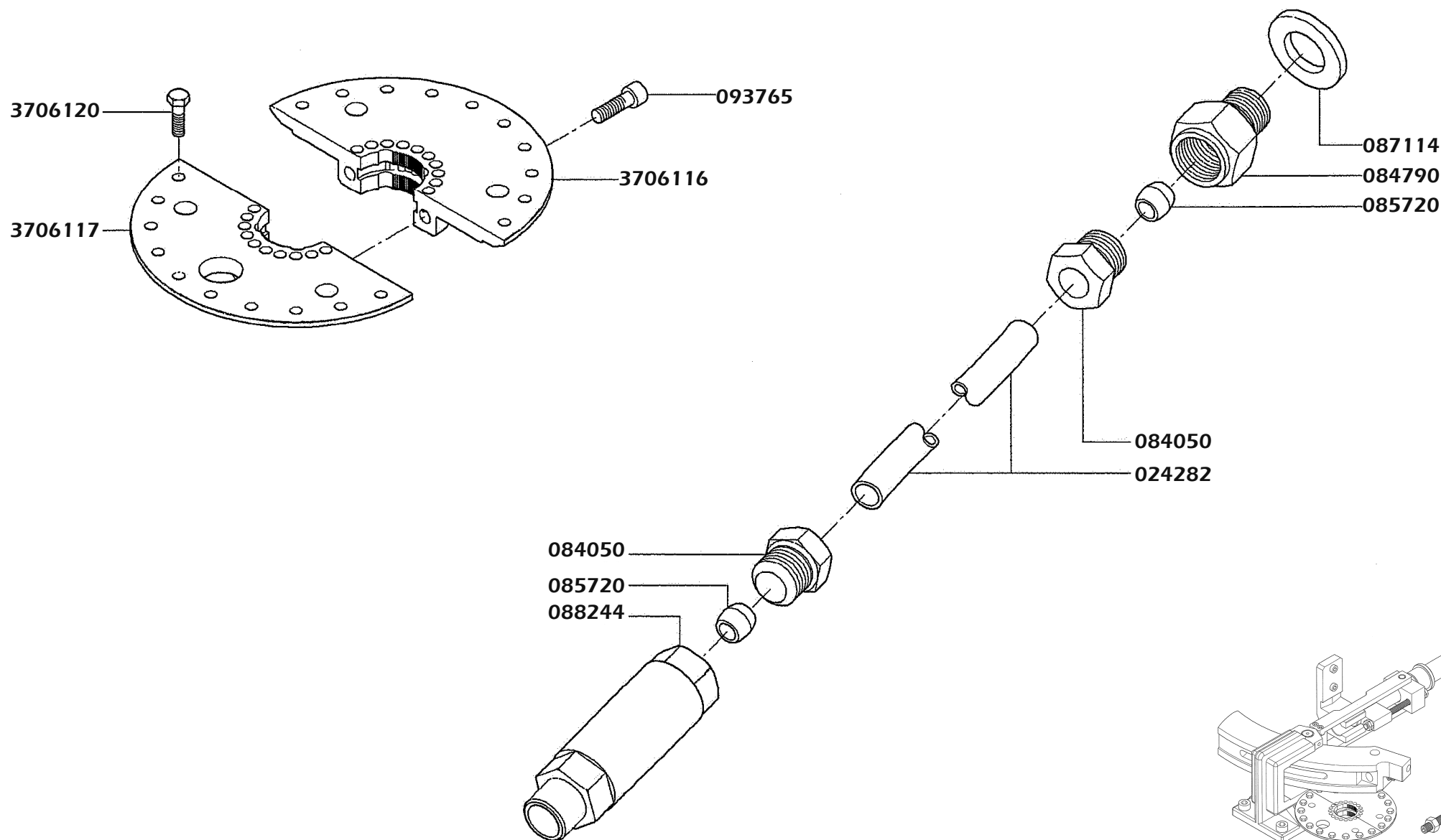


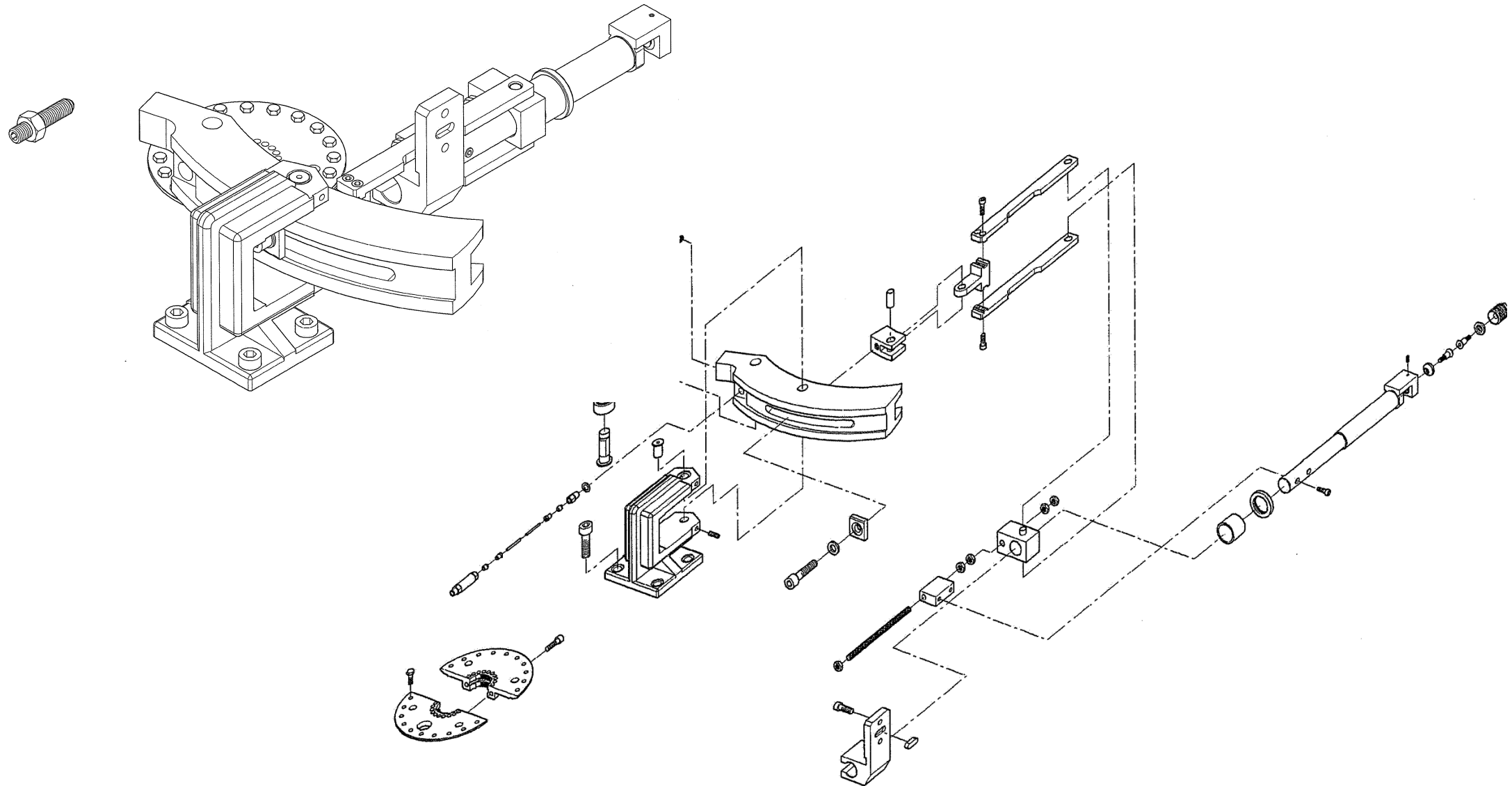
* Perno / rullo camme – Pin / cam roller

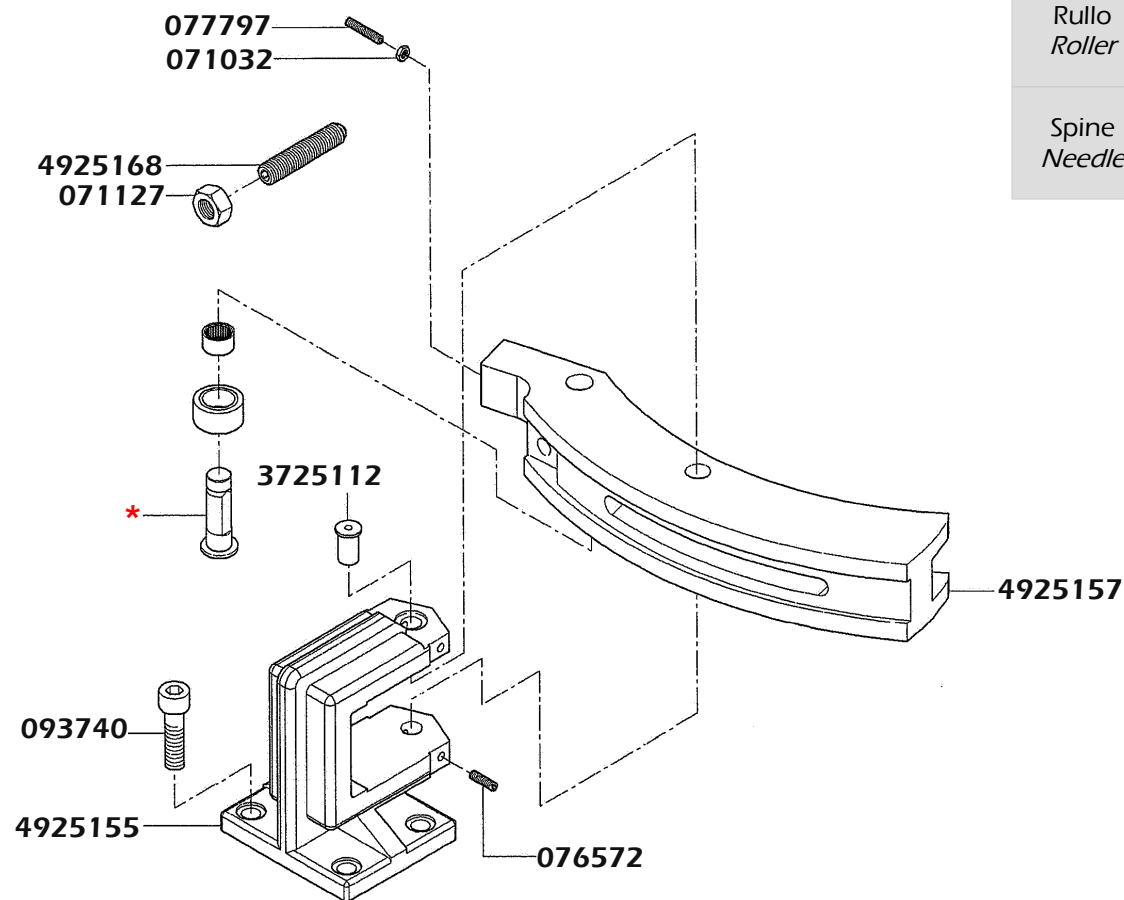
	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3523123 	4925101 	066796 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Incluse Included





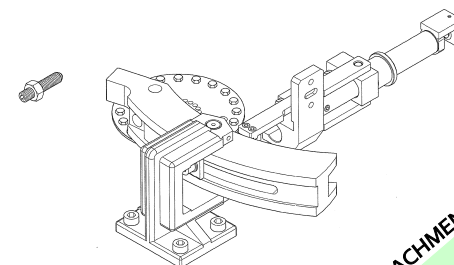


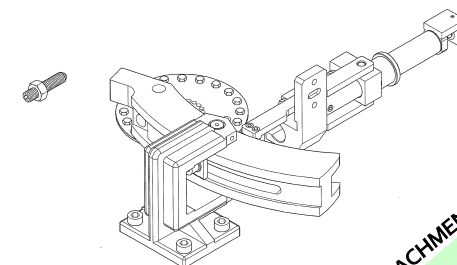
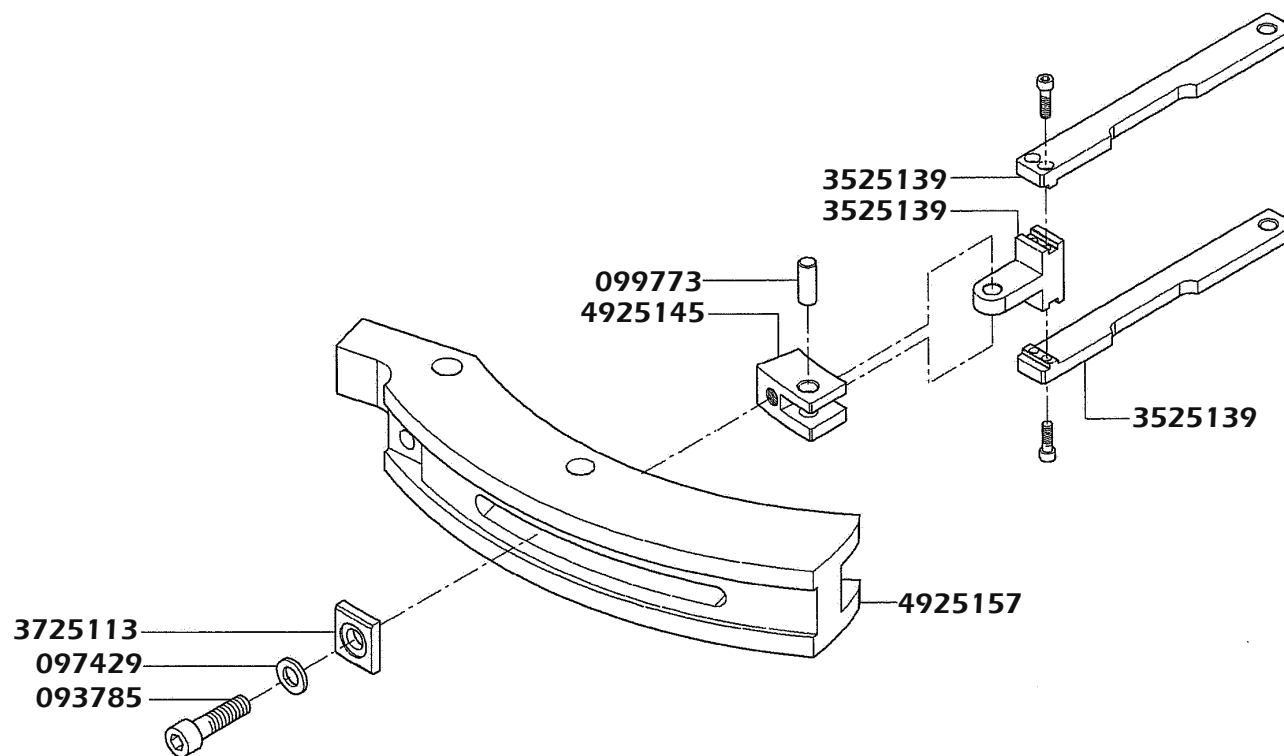


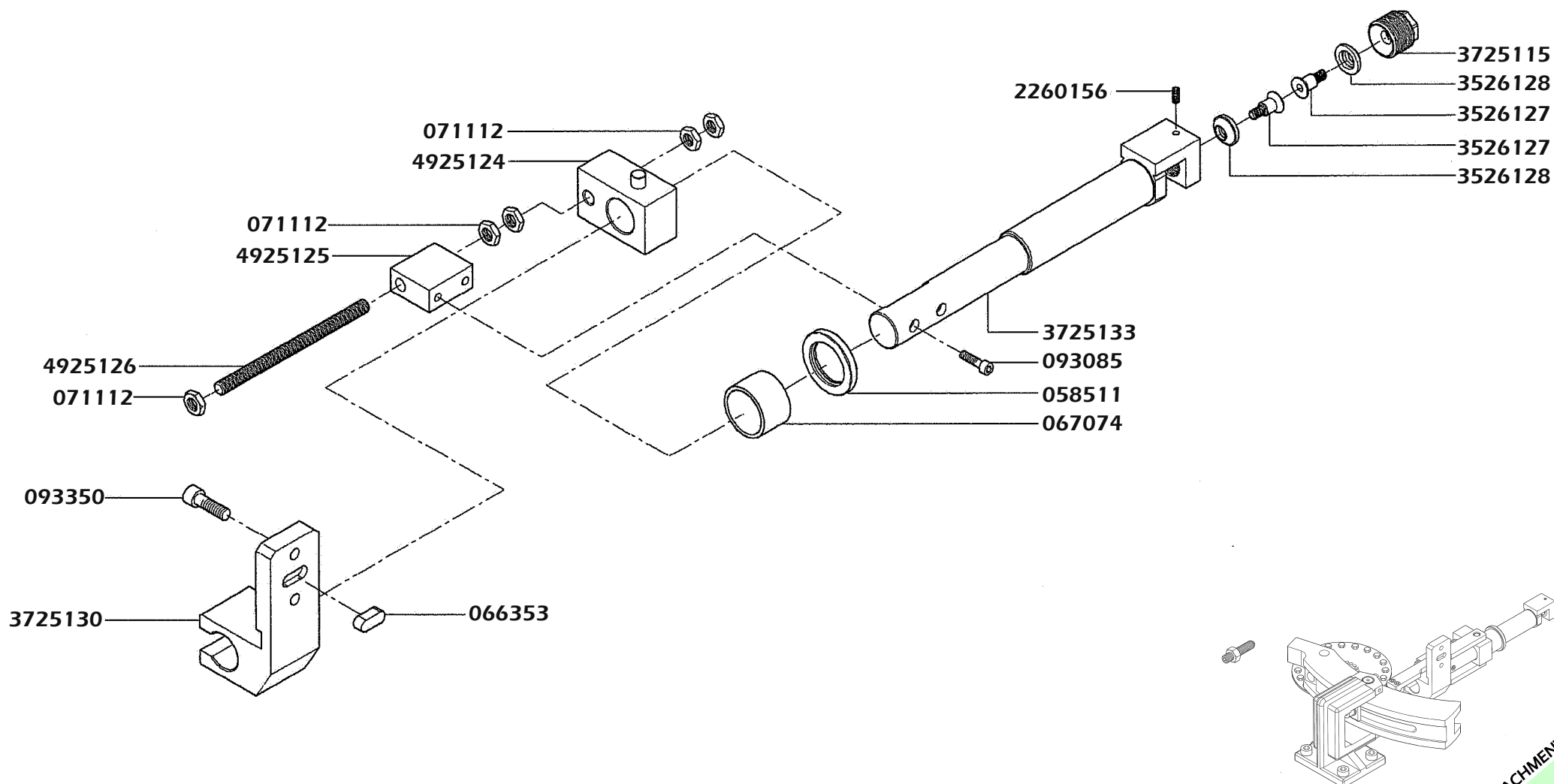


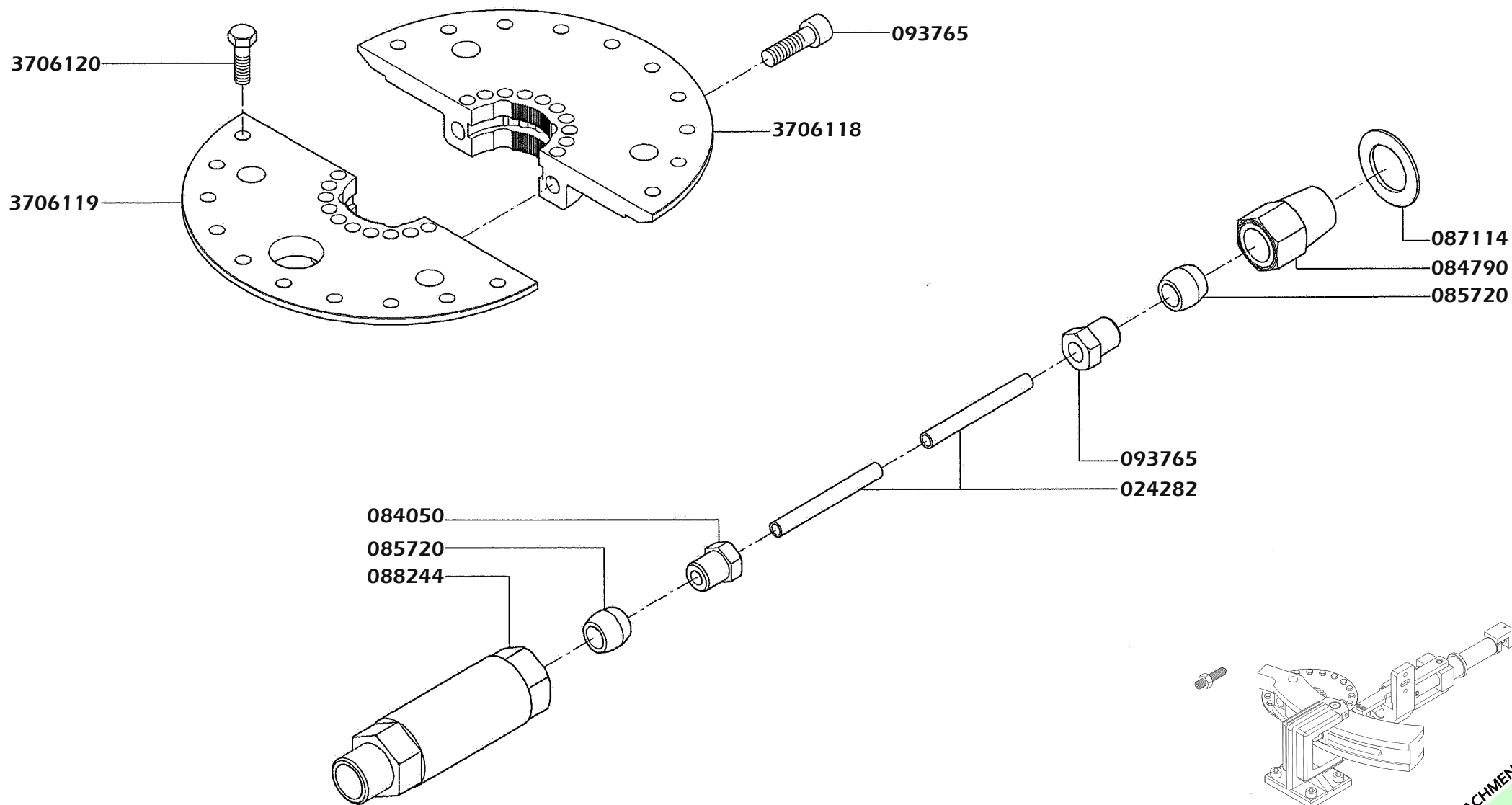
* Perno / rullo camme – Pin / cam roller

	Primo modello First model	Secondo modello Second model	Modello attuale Later model
Perno Pin	3523123 	4925101 	066796 
Rullo Roller	3522116 	4907112 	
Spine Needle	Non necessario Not required	106440 (27x) 	Incluse Included



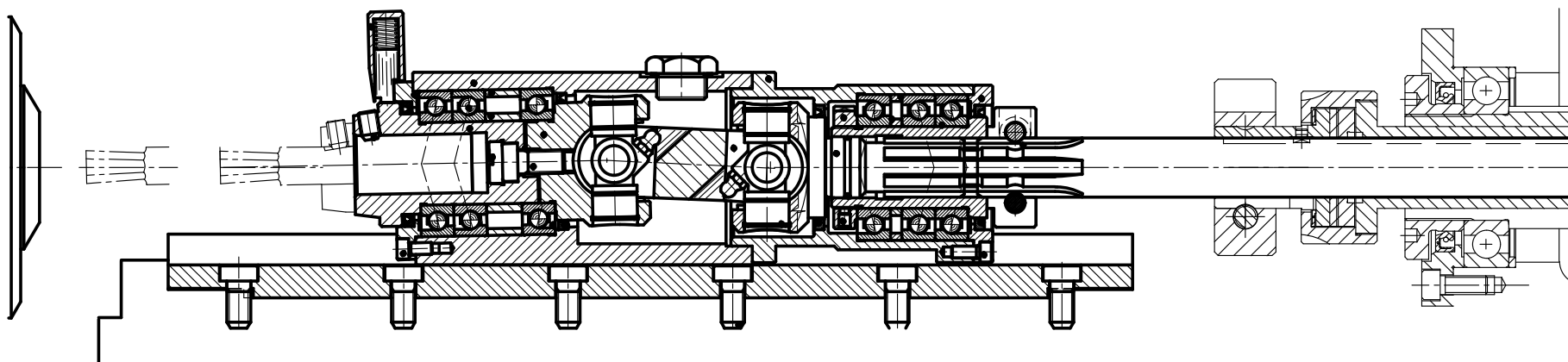


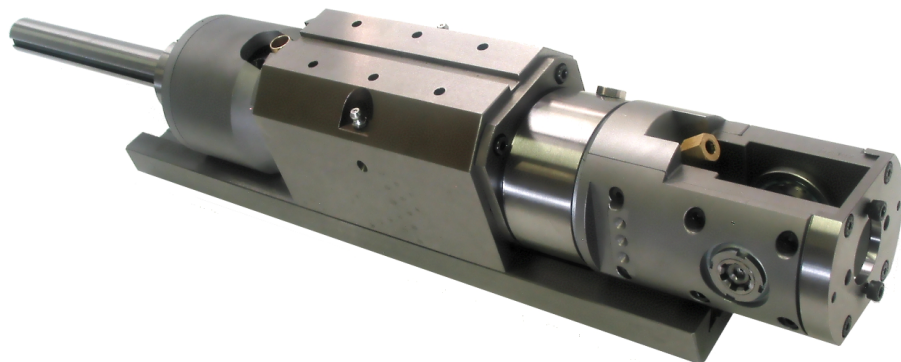




Accessori disponibili su richiesta / *Available on request*

Codice / Code	Descrizione / Description
9554002	Portabroccia per interni Ø=16 <i>Die-holder for internal broaching Ø=16</i>
9554003	Portabroccia per esterni Ø= 38 <i>Die-holder for external broaching Ø=38</i>
33010200	Freno per brocciatore <i>Broaching brake</i>
30011300 or 3758042	Gruppo di orientamento <i>Phasing device</i> Ingranaggio orientabile <i>Phasing gear</i>





Accessori disponibili su richiesta / Available on request

Codice / Code	Descrizione / Description
G1S /002	Set chiavi di smontaggio e registrazione <i>Set of tools</i>
G1S - FB	Set distanziali + boccia guidabarra <i>Spacers set + Guide bushing</i>
30011300	Gruppo di orientamento <i>Phasing device</i>
35094100	Gruppo di lubrificazione <i>Lubrication unit</i>

Nuova apparecchiatura Turlo con testa copia dell'ultima versione GR1 Saco.

Questo fresatore scorre su una coulisse fissabile all'esagono centrale pertanto quest'ultimo può rimanere fermo durante la fresatura.

New Turlo's attachment with the head based on GR1 Saco model.

This attachment can slide on base fixed on the centre block; therefore you don't need the machine to be equipped with the cam to move the centre block.

CARATTERISTICHE TECNICHE / TECHNICAL FEATURES:

• Posizione di montaggio / <i>Mounting positions</i>	tutte / <i>all</i>
• Velocità massima del mandrino / <i>Max machine rotating speed</i>	3000 rpm
• Regolazione trasversale pacco frese / <i>Cross adjustment for milling disk position</i>	+/- 0,5 mm
• Diametro massimo fresa / <i>Max milling disk diameter</i>	70 mm
• Diametro massimo del pezzo / <i>Max part diameter</i>	25 mm
• Diametro standard dei distanziali delle frese / <i>Standard diameter spear milling-cutter</i>	35 mm
• Massimo spessore del pacco frese / <i>Max distance between 2 milling disks</i>	22 mm
• Rapporto di fresatura / <i>Milling ratio</i>	0,39 acciaio / <i>steel</i>
	0,61 ottone / <i>brass</i>



Accessori disponibili su richiesta / Available on request

Codice / Code	Descrizione / Description
G7S-B-D35	Boccola guidabarra <i>Guide bushing</i>
G7S-SD	Set distanziali pacco fresa <i>Set of rings</i>
30011300	Gruppo di orientamento <i>Phasing device</i>
4911002	Comando supporto centrale con camma (Vedi dettaglio sezione "Accessori") <i>Central block independent movement with cam (See details on "Accessories" section)</i>

Siamo in grado di fornire l'apparecchiatura nuova, copia dell'ultima versione GR3 Saco.

Ogni singolo componente è intercambiabile con quelli originali, ciò ci permette di revisionare i vostri fresatori Saco o semplicemente fornirvi i ricambi per farlo.

ATTENZIONE: questo tipo di apparecchio deve essere fissato al blocco centrale; pertanto la macchina deve essere equipaggiata con l'apposita camma

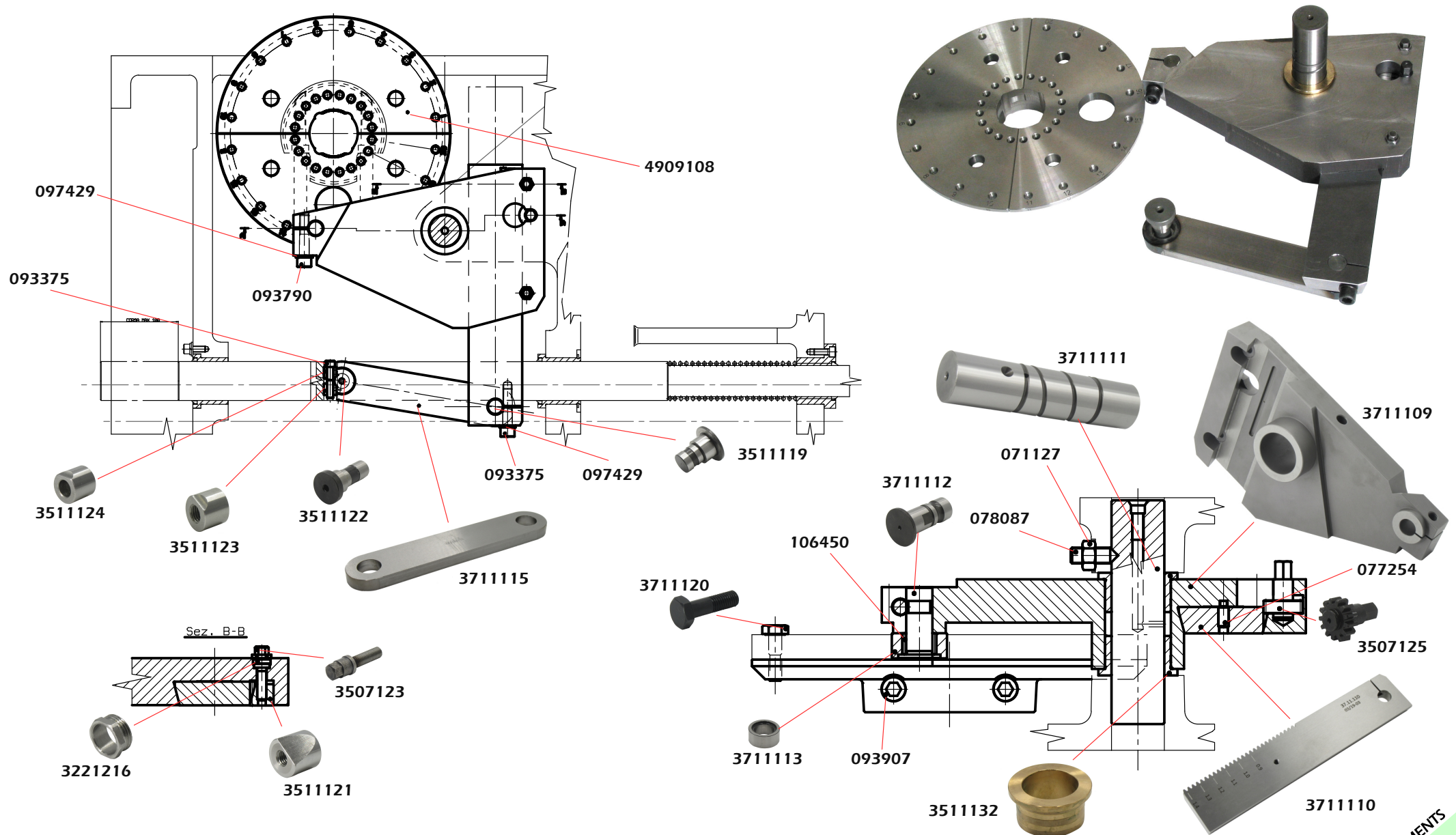
We can supply the complete new attachment, based on GR3 Saco model.

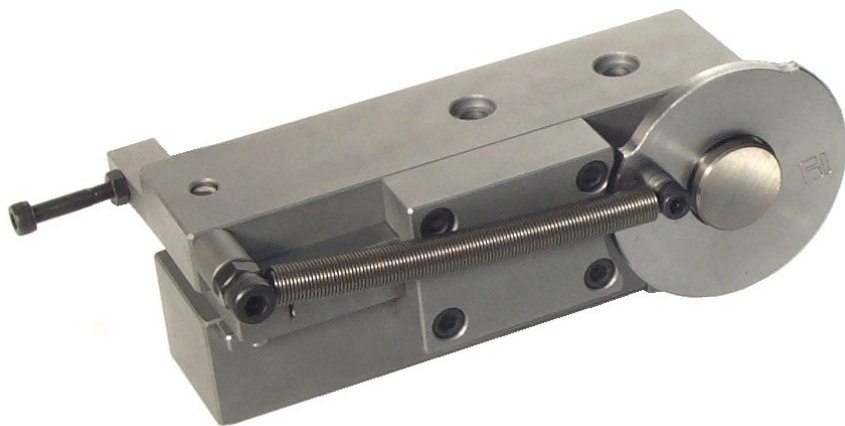
Every single part is interchangeable with original ones, and that allows us to repair old original units with our spare parts.

Please note: this kind of attachment must be fixed to the centre block. Therefore the machine must be equipped with the cam to move the centre block.

CARATTERISTICHE TECNICHE / TECHNICAL FEATURES:

- | | |
|---|-----------|
| • Posizione di montaggio / <i>Mounting positions</i> | 3 - 4 - 5 |
| • Velocità massima del mandrino / <i>Max machine rotating speed</i> | 2000 rpm |
| • Distanza massima tra pinza e fresatore / <i>Max distance between collet and milling unit</i> | 225 mm |
| • Diametro massimo fresa / <i>Max milling disk diameter</i> | 80 mm |
| • Diametro massimo del pezzo / <i>Max part diameter</i> | 35 mm |
| • Diametro standard dei distanziali delle frese / <i>Standard diameter spear milling-cutter</i> | 35 mm |
| • Rapporto di fresatura / <i>Milling ratio</i> | 0,267 |



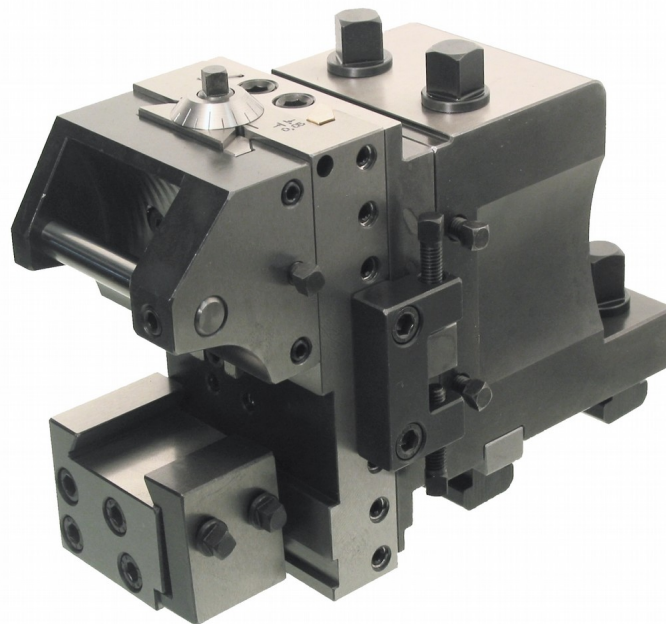


Dischi disponibili grezzi o con incisione Blank or engraved disks

Codice / Code	Descrizione / Description
G3L011	Rullo marcatore spessore 6 mm 6 mm wide disk
G3L011/12	Rullo marcatore spessore 12 mm 12 mm wide disk
G3L011/15	Rullo marcatore spessore 15 mm 15 mm wide disk
G3L/011-RPL	Rullo marcatore a caratteri mobili Disk with interchangeable letters
G3L/011-CHR	Carattere mobile per rullo marcatore Interchangeable letter

Questo accessorio viene utilizzato per marcare i componenti in modo molto semplice e veloce, si basa su una logica completamente meccanica. Con il nostro timbratore, la slitta trasversale si muove in avanti fino a quando il disco inciso colpisce il componente. A causa dell'attrito tra loro, il disco inizia a girare e segnare il componente. Dopo una rotazione l'incisione è finita e un perno di bloccaggio ferma il disco in una posizione speciale, dove non può toccare nuovamente il componente. Quando la slitta trasversale ritorna indietro, un perno adeguato, fissato sulla parete della macchina, sblocca il disco e la molla lo porta alla sua posizione di partenza. Possiamo fornire i dischi in bianco o incisi, seguendo i requisiti del cliente. Lo stesso accessorio può essere smontato e rimontato al contrario per adattarsi a tutte le postazioni della macchina. Ora è anche possibile montare un disco con lettere intercambiabili.

This attachment is used to mark the components in a very simple and quick way, it is based on a completely mechanical logic. After mounting the attachment on the slide, the cross slide moves forward till the engraved disk hits the component. Because of the friction between the disk and the component, the disk starts to turn and mark the component. After one rotation engraving is over and a locking pin stops the disk in a special position, where it cannot touch the component again. When the cross slide returns back, a proper pin, fixed on the wall of the machine, unlocks the disk, and the spring takes it to its start position. We can supply blank disks or engraved disk, following customer's requirements. The same attachment can be taken apart and re-assembled the other way round in order to fit all the stations of the machine. Now it is also possible to fit a disk with interchangeable letters.



Il calibratore è utilizzato per avere un diametro molto preciso, che varia dai 6 ai 32 mm

Può essere utilizzato su qualsiasi slitta radiale

Deve essere completato dal cliente da un rullo sul perno in carburo superiore e da un inserto di taglio bloccato nella parte inferiore.

ATTENZIONE:

I ricambi del nostro apparecchio sono intercambiabili con quelli dell'originale SACO GR.3

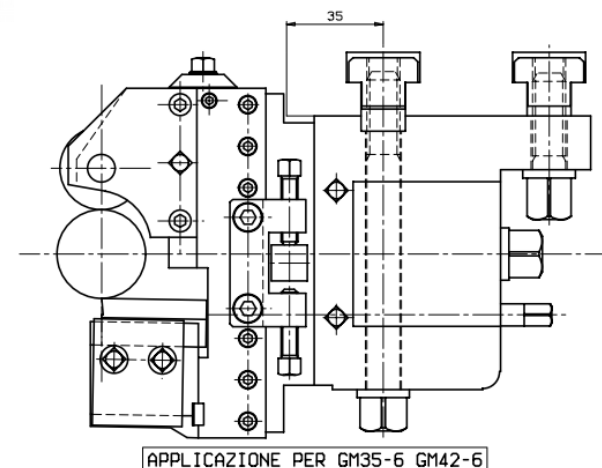
The shaving tool-holder is used to have very precise diameter, ranging from 6 to 32 mm.

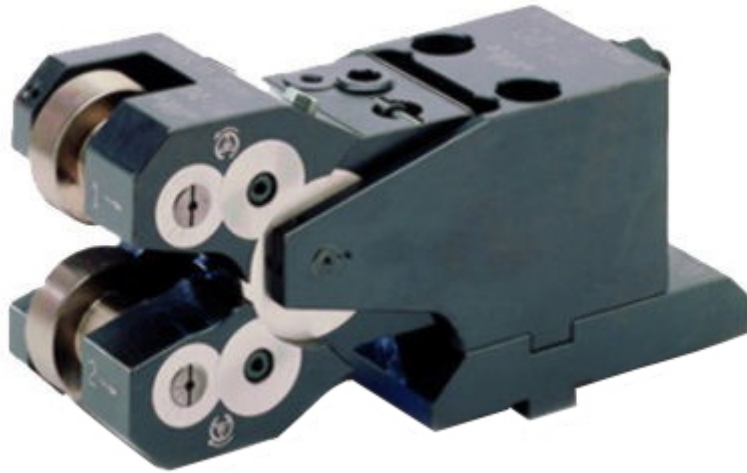
It can be used on any cross-slides.

It must be completed by the customer by a roller on the top carbide pin and a cutting insert clamped at the bottom.

Remark:

the spares of our GR.3 shave tool-holder are interchangeable with the ones of the SACO GR.3 original one



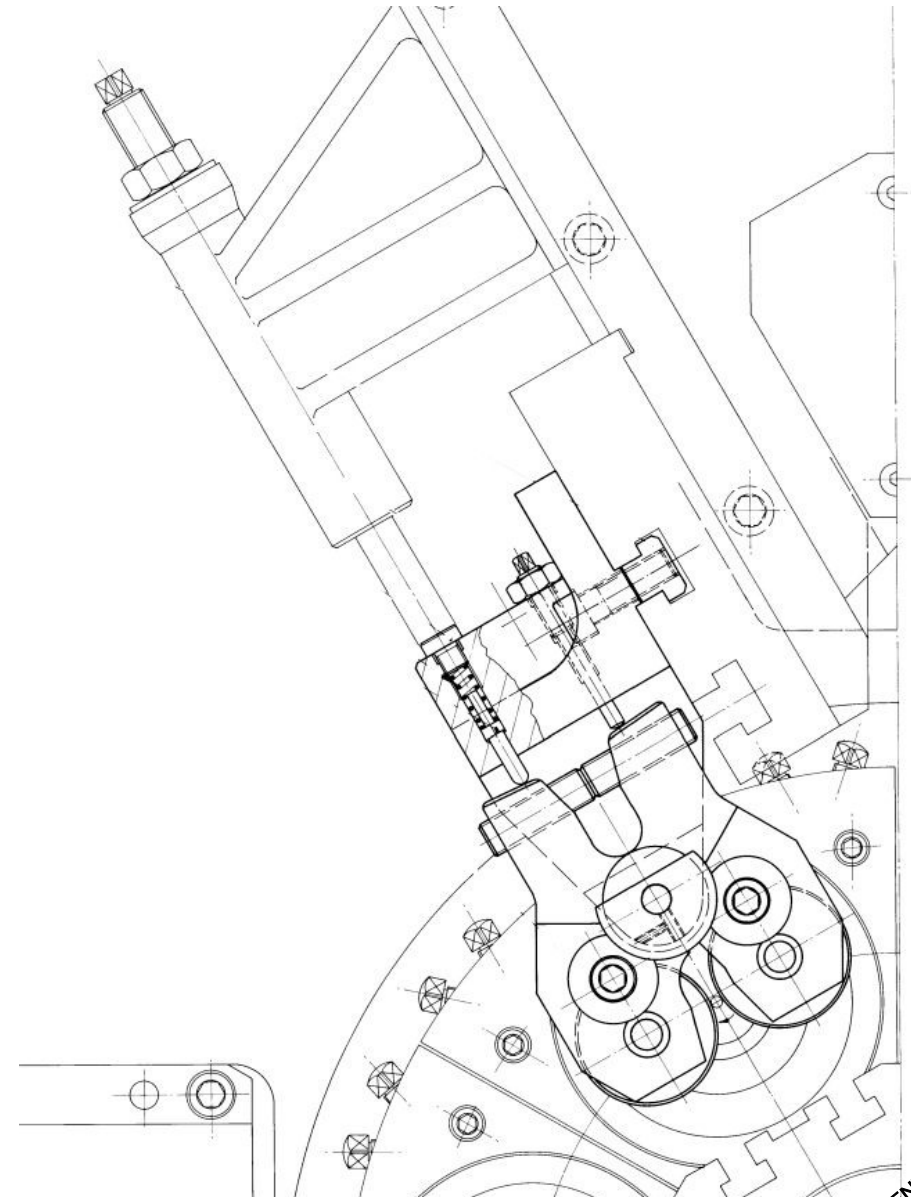


Siamo in grado di fornire rullatori di filetti tangenziali "Fette" nuovi o usati.
I modelli utilizzati su questa macchina sono T18 e T27

We can supply new or good used cross thread-rolling "Fette" heads, Goods models for GM35 machines are the T18 and T27

Accessori disponibili su richiesta / Available on request

Codice / Code	Descrizione / Description
FETTE - T18	Rullatore di filetti mod. Fette T18 (solo testa) <i>Thread rolling attachment T18 mod. (head only)</i>
3743020	Rullatore di filetti mod. Fette T18 (solo supporto) <i>Thread rolling attachment T18 mod. (support only)</i>
FETTE - T27	Rullatore di filetti mod. Fette T27 (solo testa) <i>Thread rolling attachment T27 mod. (head only)</i>
3743021	Rullatore di filetti mod. Fette T27 (solo supporto) <i>Thread rolling attachment T27 mod. (support only)</i>



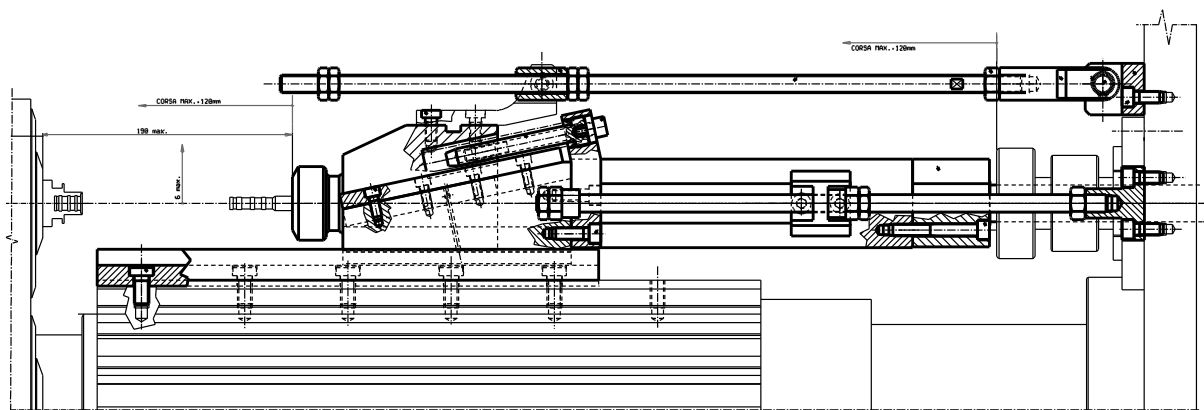
Caratteristiche tecniche / *Technical features:*

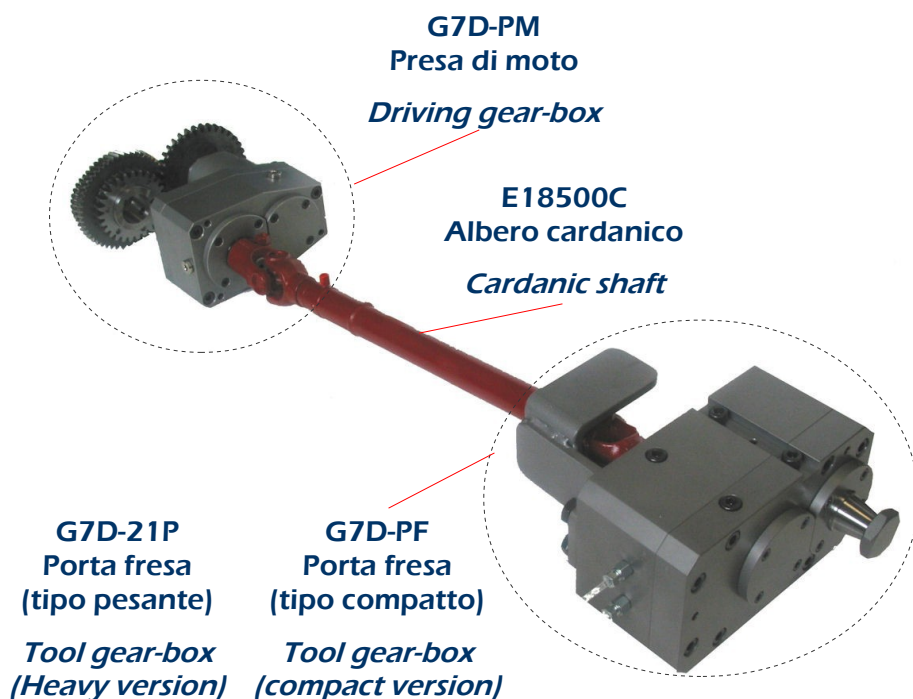
- Base a coda di rondine per fissaggio a supporto centrale esagonale
Dove-tail base to be fixed on the exagonal central block
- Connessione per pinza ER32
Connection for ER32 collet
- Inclinazione rampa 12°
Ramp inclination 12°



Accessori per l'utilizzo / *Accessories for use*

Codice / Code	Descrizione / Description
3723005	Albero intermedio (vedi sezione "accessori") <i>Intermediate shaft (see "Accessories" section)</i>
	Coppia di ruote per alesatura e foratura a velocità variabile (vedi sezione "Accessori") <i>Gears for boring and drilling at variable speed (see "Accessories" section)</i>





Accessori disponibili su richiesta / Available on request

Codice / Code	Descrizione / Description
3723005s *	Albero intermedio (senza scanalatura) <i>Intermediate shaft</i>
G7B/202 *	Ruota albero intermedio Z54 <i>Z54 driving gear</i>
G7B/204 *	Ruota albero intermedio Z27 <i>Z27 driving gear</i>
PLAT3	Platello Ø=86mm; cono 8° 32'; 3 inserti a 120° + 1 opposto Polygon tool Ø=86mm; 8°32' taper; 3 inserts at 120° + 1 opp.
PLAT3B	Platello Ø=86mm; cono 8° 32'; 4 inserti a 90° Polygon tool Ø=86mm; 8°32' taper bore; 4 inserts at 90°

* Necessario per il funzionamento (vedi sezione "Accessori")

* Necessary for the use (see "Accessories" section)

La scatola di presa moto viene montata sulla spalla posteriore dell'area di lavoro; il moto viene trasmesso attraverso l'albero intermedio sul quale sono montati gli ingranaggi G7B/202 e G7B/204.

Il rapporto di velocità è determinato dagli ingranaggi G7B/203 e G7B/205 montati sull'albero che esce dalla scatola di presa moto: la loro sostituzione è quindi molto semplice non dovendo smontare la scatola di presa moto.

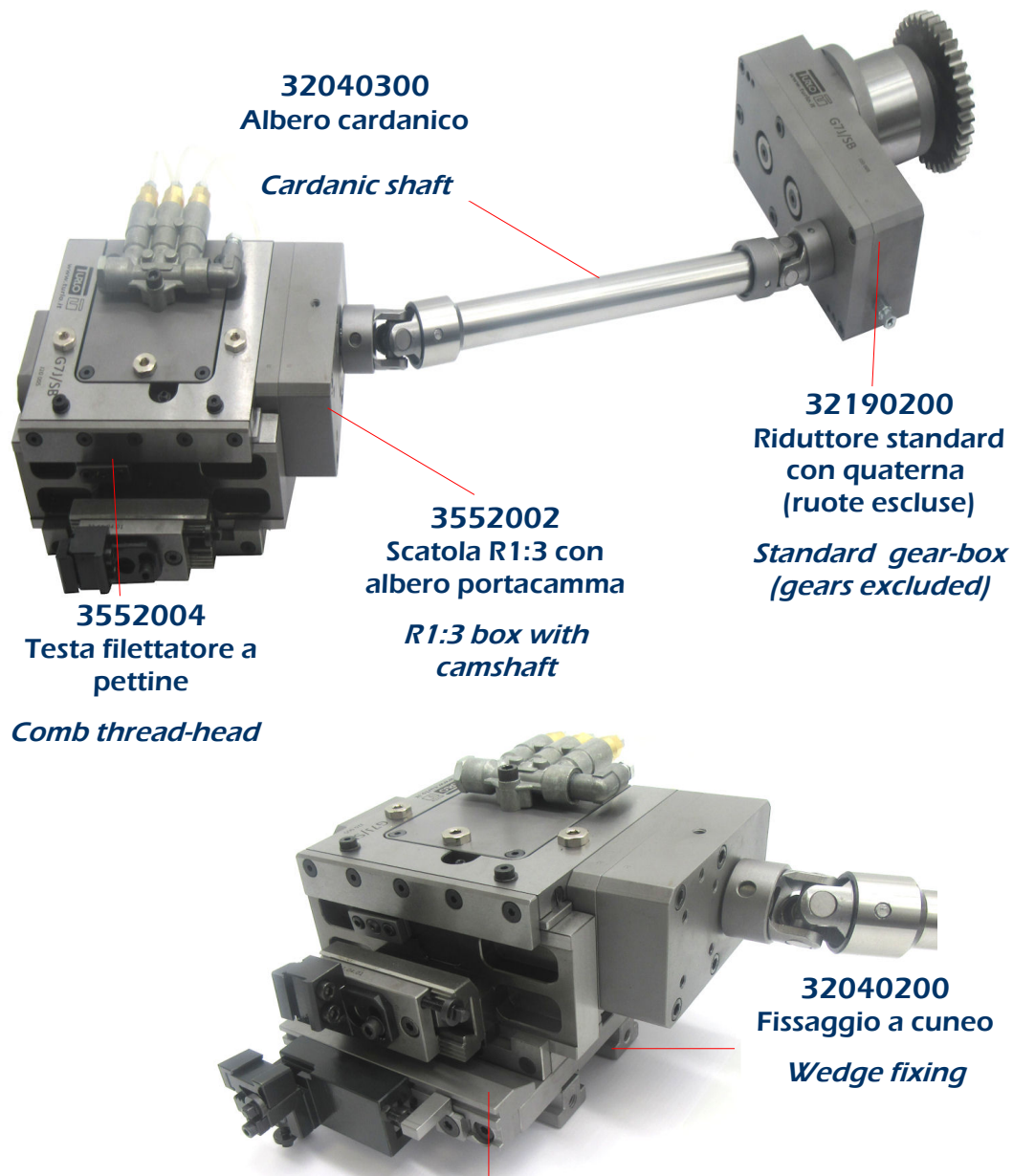
Per poter effettuare poligonature in passata (i. e. SS) la macchina deve essere provvista di Slitta assiale e del relativo comando.

The driving gear-box must be placed on the back shoulder of the machine. It is driven by the gears G7B/202 and G7B/204 fitted on the intermediate shaft.

The speed ratio is determined by the two gears G7B/203 and G7B/205 fitted on the back of the gear box shaft: their change is easy because is not necessary to open the driving gear-box.

Axial polygon-generating on travels might be performed if the machine is equipped of Axial slide and its control.

	Ruota di presa moto <i>Driven gear</i>	Z1	Ruota albero intermedio <i>Driving gear</i>	Z2	Rapporto di velocità <i>Speed ratio</i>
Poligonatura <i>Polygon generating</i>	G7B/203	37	G7B/202	54	2:1
Fresatura di filetti <i>Thread-milling</i>	G7B/205	37	G7B/204	27	1:1



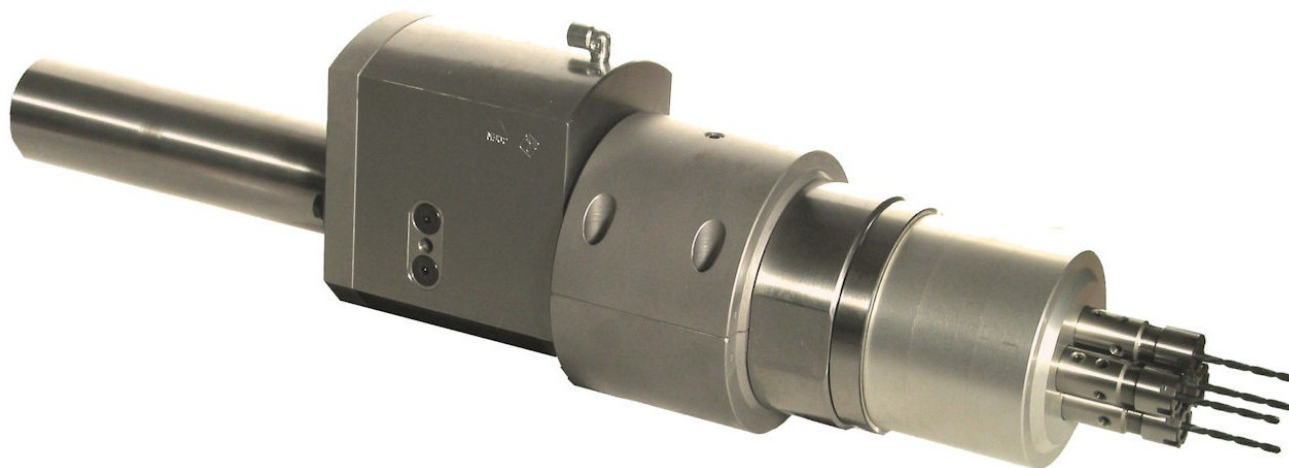
Accessori disponibili su richiesta / Available on request

Codice / Code	Descrizione / Description
32111100	Portautensile prismatico L=8,2mm <i>L=8,2mm prismatic tool-holder</i>
32111400	Portautensile prismatico L=15mm <i>L=15mm prismatic tool-holder</i>
6552012	Portautensile prismatico per inserti PH-HORN <i>Tool-holder for PH-HORN inserts</i>
6552010	Portautensile sbavatore pos.4-5 <i>Pos.4-5 deburring tool-holder</i>
6552009	Adattamento portautensile sbavatore pos.4 <i>Pos.4 deburring tool adapter</i>
6552008	Adattamento portautensile sbavatore pos.5 <i>Pos.5 deburring tool adapter</i>
TC-CAM	Doppia camma combinata <i>Double chasing cam</i>
32110700	Quaterna ruote dentate intercambiabili <i>Set of 4 gears for driving gear-box</i>
G1J-LUBR	Impianto di lubrificazione <i>Lubrication unit</i>
3723005s *	Albero intermedio (senza scanalature) <i>Intermediate shaft</i>
3723006 *	Ruota motrice Z27 <i>Z27 driving box</i>

* Necessario per il funzionamento (vedi sezione "Accessori")

* Necessary for the use (see "Accessories" section)

32190100
Piastra di adattamento con cave a T
Adapter plate with T-slots



This multi-driller in particular is designed to make 4 drilled holes on a specific interaxis, we can supply it for a special spindle-stopping machine, but also for standard machines. For standard machines the multi-driller head rotates at the same speed than the bar. The multi-driller heads are customized for the kind of component you are going to produce