

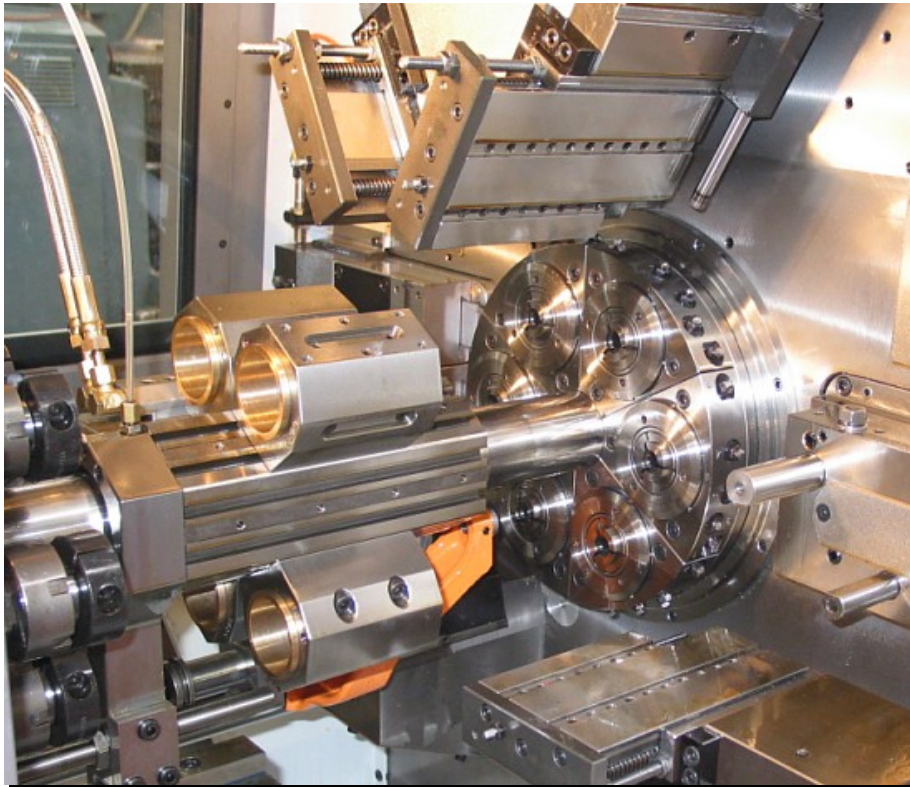


**DISPOSITIVI E RICAMBI
PER TORNI AUTOMATICI**

**ATTACHMENTS AND SPARE PARTS FOR
MULTISPINDLE AUTOMATIC MACHINES**

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**GITAL
GILDEMEISTER AS20 GS20 GM20 (AS16)**

**Apparecchiature e ricambi
Attachments and spare parts
Einrichtungen**

Edizione catalogo / Catalogue issue: [GM20_1020](#)

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All the mechanical parts in this catalogue are made by TURLO S.r.l.**



PINZE STRINGIBARRA
MAIN SPINDLE COLLETS

48.01.101 (B1103400)

Pinza stringibarra per macchina
AS16/AS-GS-GM20 standard
Main spindle collet for AS16/AS-GS-GM20
standard machine



48.01.136 (C1103801)

Pinza stringibarra per macchina
AS16/AS-GS-GM20 passaggio barra Ø25 mm
Main spindle collet for AS16/AS-GS-GM20
machine upgraded to Ø25 mm bar



CONTROPINZE AVANZAMENTO
FEED FINGERS

01.31.050 (L1102500)

Contropinza per macchina
AS16/AS-GS-GM20 standard
Feed finger for AS16/AS-GS-GM20
standard machine



48.01.308 (L1103050)

Contropinza per macchina
AS16/AS-GS-GM20 passaggio barra Ø25 mm
Feed finger for AS16/AS-GS-GM20
machine upgraded to Ø25 mm bar



PINZE PER CONTROMANDRINO
PICK-OFF COLLETS

48.01.104 (C1102600)

Pinza per contromandrino pneumatico
Pneumatic pick-off collet



45.68.288 (C0002800)

Pinza per contromandrino idraulico
Hydraulic pick-off collet

PINZA PER MANDRINI FRONTALI
COLLET FOR FRONTAL SPINDLE



01.31.003

CAMME STANDARD PER SLITTE RADIALI STANDARD CAMS FOR CROSS SLIDES

POS. 1	POS. 2-3-4-5-6
08.29.105	08.29.101
08.29.106	08.29.102
08.29.107	08.29.103
08.29.111	08.29.104
08.29.117	08.29.118
16.29.301	



CAMME STANDARD PER SLITTE ASSIALI STANDARD CAMS FOR AXIAL SLIDES

POS. 1	POS. 2-3-4-5-6
16.29.201	08.29.601
16.29.202	08.29.602
16.29.203	08.29.603
16.29.204	08.29.604
16.29.205	08.29.605
16.29.206	08.29.606
16.29.207	08.29.607

CAMME STANDARD PER MANDRINI FRONTALI STANDARD CAMS FOR TOOL-SPINDLES

POS. 1	POS. 2-3-4-5-6
16.29.401	08.29.201
16.29.402	08.29.202
16.29.403	08.29.203
16.29.404	08.29.204
16.29.405	08.29.205
16.29.406	16.29.408
16.29.407	

Z1	Z2
19	71
20	70
23	67
26	64
29	61
32	58
41	49



08.10.51

INGRANAGGI TEMPI DI PRODUZIONE
FEED GEARS
ZAHNRÄDER GESCHWINDIGKEIT SPINDLE
PIGNONS DE PRODUCTION
ENGRANAJES TIEMPO PRODUCCIÓN

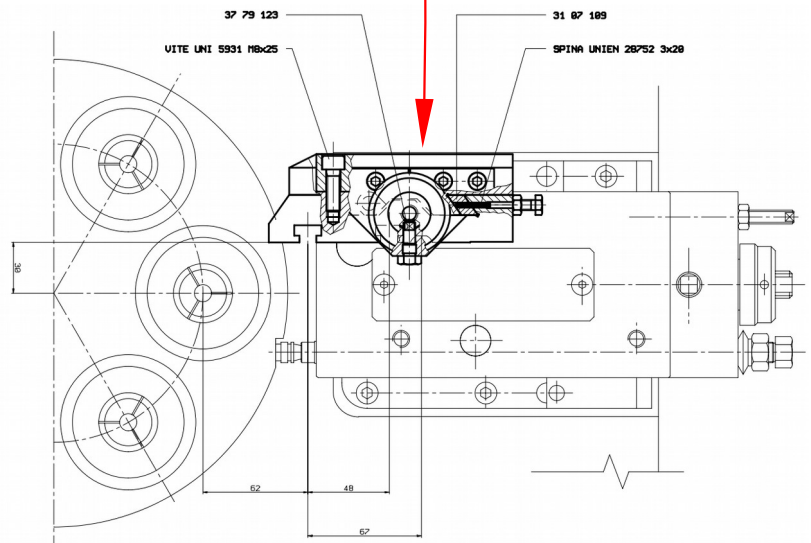
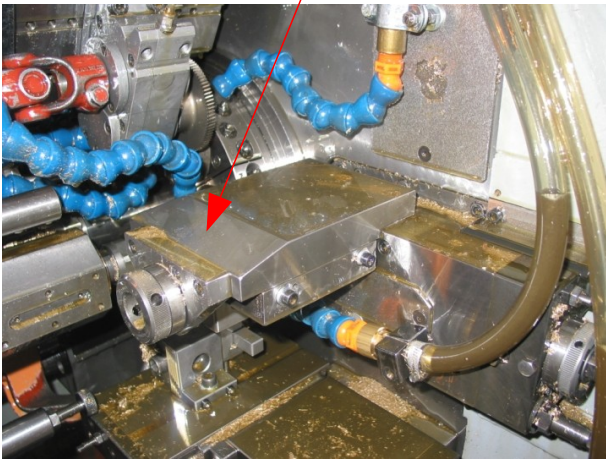
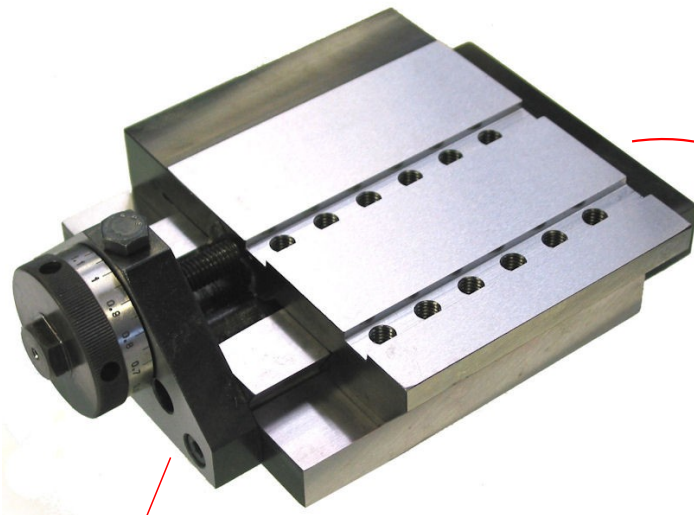
Z1	Z2
27	63
29	61
30	60
32	58
38	52
40	50
41	49
42	48
43	47
44	46



08.10.401

INGRANAGGI VELOCITA' E RAPPORTI FILETTATURA
SPEED AND THREAD RATIO GEARS
ZAHNRÄDER PRODUKTIONSZEIT
PIGNONS DE VITESSE ET RAPPORTS TARAUDAGE
ENGRANAJES VELOCIDAD Y ROSCADURA

31.07.007 (SC4552048)
SLITTA PER POS.3 CON REGISTRAZIONE ASSIALE
POS.3 SLIDE WITH MICROMETER AXIAL ADJUSTMENT



E' una slitta assiale a coda di rondine con lardone che si monta sul carro radiale in pos.3, al posto della tradizionale mensola fissa. Allentando il lardone e agendo manualmente sul nonio, è possibile ottenere facilmente una registrazione micrometrica della posizione in Z dell'utensile. Il piano della slitta è identico a quello degli altri carri assiali e permette il montaggio di torrette standard.

It is an axial dove-tail slide with gib. It is for the pos.3 cross slide, to replace the traditional shelf. If you undo the gib and rotate the micrometer wheel, you can adjust the Z position of the tool very easily. The top face of the slide is exactly like the other axial slides of the machine and standard tool-holders can be used without problem.

MANDRINI FRONTALI FISSI
NON-ROTATING FRONTAL SPINDLE

Mandrino standard
Standard spindle

Possiamo fornire:
MANDRINO SPECIALE FISSO
con lubrificaz. forzata interna alla punta
We can supply:
SPECIAL NON-ROTATING SPINDLE
with coolant through the drill

Mandrino per pinze ER32
Spindle for ER32 collets

Ghiera
Nut
01.30.001

Pinza per mandrini frontali
Collet for frontal spindle
01.31.003

Mandrino per cono ISO30
ISO30 taper spindle

Pinza ER32
ER32 collet

Pinza ER25-32-40
ER25-32-40 collet

Possiamo fornire tutti i modelli:
- con **gambo a tacche** per AS20 e GS20
- con **gambo liscio** per GM20
We can supply all the models:
- with **notched shank** for AS20 and GS20 machines
- with **smooth shank** for GM20 machine

Possiamo fornire:
MANDRINO SPECIALE FISSO
con lubrificaz. forzata interna alla punta
We can supply:
SPECIAL NON-ROTATING SPINDLE
with coolant through the drill

Convertitore portapinza:
Collet-holder:

Prolunga ISO30-ER20
ISO30-ER20 extended collet-holder

ISO30-ER32
ISO30-ER25
ISO30-ER20



MANDRINI FRONTALI FISSI
NON-ROTATING FRONTAL SPINDLE

TABELLA CODICI
CODE CHART

Codice TURLO / TURLO Code	Descrizione componente / Part description	Tipo gambo / Shank type		Macchina / Machine		Lubrif. interna / Coolant through
		A tacche / Notched	Liscio / Smooth	AS20 GS20	GM20	
15.26.101L	Mandrino fisso attacco pinza 01.31.003, gambo liscio Non-rot. fr. spindle for 01.31.003 collet, smooth shank		X		X	
15.26.101T	Mandrino fisso attacco pinza 01.31.003, gambo a tacche Non-rot. fr. spindle for 01.31.003 collet, notched shank	X		X		
15.26.101HL	Mandrino fisso attacco pinza 01.31.003, gambo liscio , lubrif. interna Non-rot. fr. spindle for 01.31.003 collet, mooth shank , cool. through		X		X	X
15.26.101HT	Mandrino fisso attacco pinza 01.31.003, gambo a tacche , lubrif. interna Non-rot. fr. spindle for 01.31.003 collet, notched shank , cool. through	X		X		X
15.26.101ERL	Mandrino fisso attacco ER32, gambo liscio Non-rot. fr. spindle for ER32 collet, smooth shank		X		X	
15.26.101ERT	Mandrino fisso attacco ER32, gambo a tacche Non-rot. fr. spindle for ER32 collet, notched shank	X		X		
15.26.101ERHL	Mandrino fisso attacco ER32, gambo liscio , lubrif. interna Non-rot. fr. spindle for ER32 collet, mooth shank , cool. through		X		X	X
15.26.101ERHT	Mandrino fisso attacco ER32, gambo a tacche , lubrif. interna Non-rot. fr. spindle for ER32 collet, notched shank , cool. through	X		X		X
15.26.101IL	Mandrino fisso attacco ISO30 , gambo liscio (45.26.017) Non-rot. fr. spindle for ISO30 collet, smooth shank (45.26.017)		X		X	
15.26.101IT	Mandrino fisso attacco ISO30 , gambo a tacche Non-rot. fr. spindle for ISO30 collet, notched shank	X		X		
15.26.101IHL	Mandrino fisso attacco ISO30, gambo liscio , lubrif. interna Non-rot. fr. spindle for ISO30 collet, smooth shank , cool. through		X		X	X
15.26.101IHT	Mandrino fisso attacco ISO30, gambo a tacche , lubrif. interna Non-rot. fr. spindle for ISO30 collet, notched shank , cool. through	X		X		X

MANDRINI FRONTALI ROTANTI
ROTATING FRONTAL SPINDLE

Mandrino per cono ISO30
ISO30 taper spindle

Mandrino per pinze ER32
Spindle for ER32 collets

Mandrino standard
Standard spindle

Possiamo fornire tutti i modelli:
- con **gambo a tacche** per AS20 e GS20
- con **gambo liscio** per GM20
We can supply all the models:
- with **notched shank** for AS20 and GS20 machines
- with **smooth shank** for GM20 machine

Convertitore portapinza
Collet-holder

ISO30-ER32
ISO30-ER25
ISO30-ER20

Pinza ER25-32-40
ER25-32-40 collet

Prolunga ISO30-ER20
ISO30-ER20 extended
collet-holder

Pinza ER32
ER32 collet

Pinza per mandrini frontali
Collet for frontal spindle

01.31.003

Ghiera
Nut
01.30.001





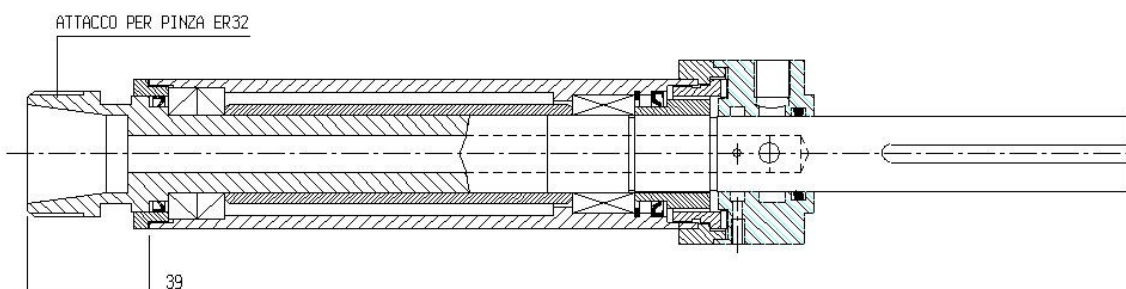
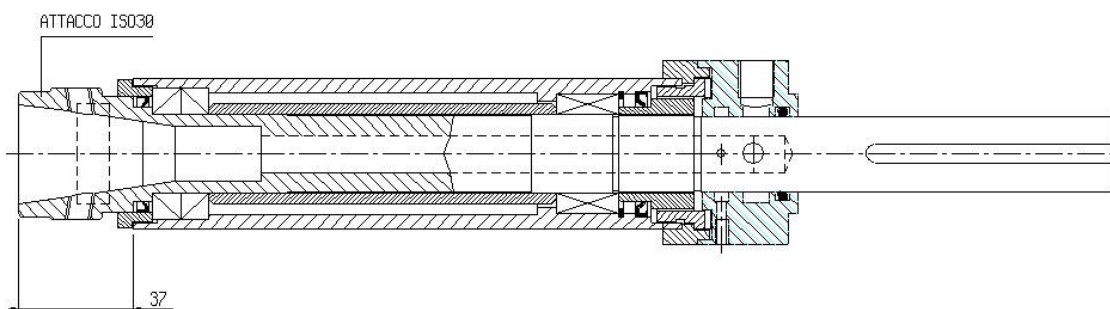
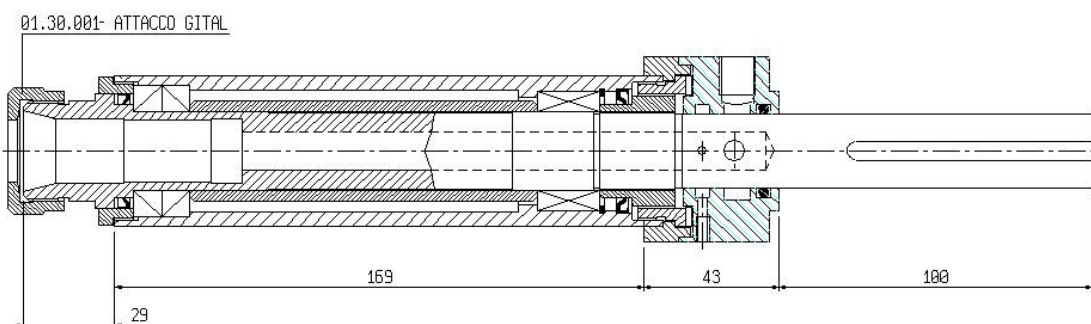
**GILDEMEISTER
AS20 GS20 GM20**

**MANDRINI FRONTALI ROTANTI
ROTATING FRONTAL SPINDLE**

**TABELLA CODICI
CODE CHART**

Codice TURLO / TURLO Code	Descrizione componente / Part description	Tipo gambo / Shank type		Macchina / Machine		Lubrificazione / Coolant through
		A tacche / Notched	Liscio / Smooth	AS20 GS20	GM20	
15.26.001L	Mandrino rotante attacco pinza 01.31.003, gambo liscio Rotating fr. spindle for 01.31.003 collet, smooth shank		X		X	
15.26.001T	Mandrino rotante attacco pinza 01.31.003, gambo a tacche Rotating fr. spindle for 01.31.003 collet, notched shank	X		X		
15.26.001HL	Mandrino rotante attacco pinza 01.31.003, gambo liscio , lubrif. interna Rotating fr. spindle for 01.31.003 collet, smooth shank , cool. through		X		X	X
15.26.001HT	Mandrino rotante attacco pinza 01.31.003, gambo a tacche , lubrif. interna Rotating fr. spindle for 01.31.003 collet, notched shank , cool. through	X		X		X
15.26.001ERL	Mandrino rotante attacco ER32, gambo liscio Rotating fr. spindle for ER32 collet, smooth shank		X		X	
15.26.001ERT	Mandrino rotante attacco ER32, gambo a tacche Rotating fr. spindle for ER32 collet, notched shank	X		X		
15.26.001ERHL	Mandrino rotante attacco ER32, gambo liscio , lubrif. interna Rotating fr. spindle for ER32 collet, smooth shank , cool. through		X		X	X
15.26.001ERHT	Mandrino rotante attacco ER32, gambo a tacche , lubrif. interna Rotating fr. spindle for ER32 collet, notched shank , cool. through	X		X		X
15.26.001IL	Mandrino rotante attacco ISO30, gambo liscio Rotating fr. spindle for ISO30 collet, smooth shank		X		X	
15.26.001IT	Mandrino rotante attacco ISO30, gambo a tacche Rotating fr. spindle for ISO30 collet, notched shank	X		X		
15.26.001IHL	Mandrino rotante attacco ISO30, gambo liscio , lubrif. interna Rotating fr. spindle for ISO30 collet, smooth shank , cool. through		X		X	X
15.26.001IHT	Mandrino rotante attacco ISO30, gambo a tacche , lubrif. interna Rotating fr. spindle for ISO30 collet, notched shank , cool. through	X		X		X

MANDRINO ROTANTE con lubrificaz. forzata interna alla punta
ROTATING SPINDLE with high pressure coolant through the drill



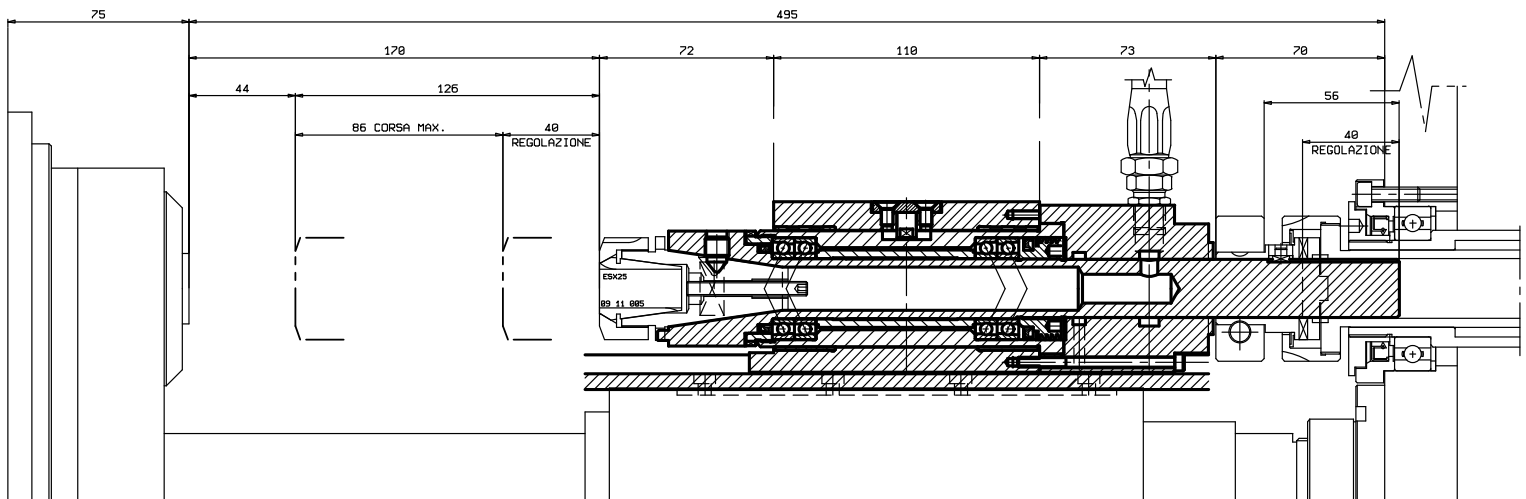


GILDEMEISTER
AS20 GS20 GM20

SC0552036

MANDRINO ROTANTE su coulisse con refrigerazione interna

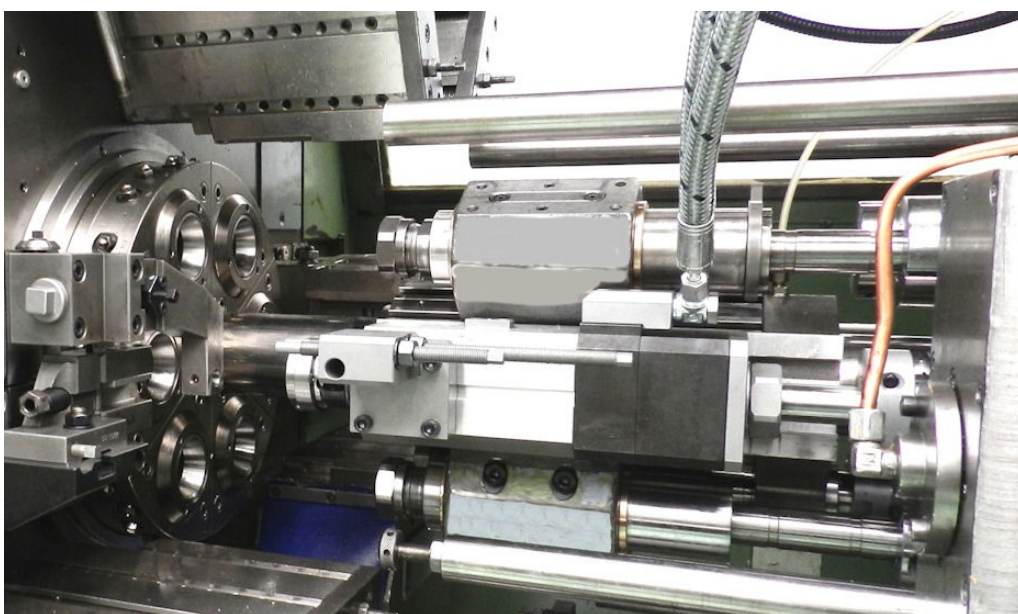
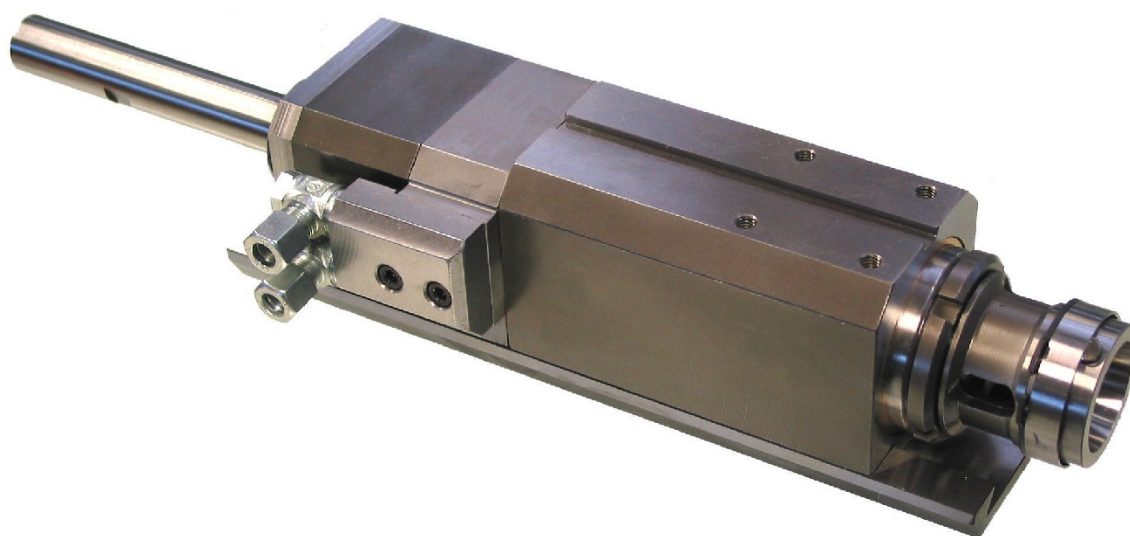
ROTATING SPINDLE on base with high pressure coolant through the drill





**GILDEMEISTER
AS20 GS20 GM20**

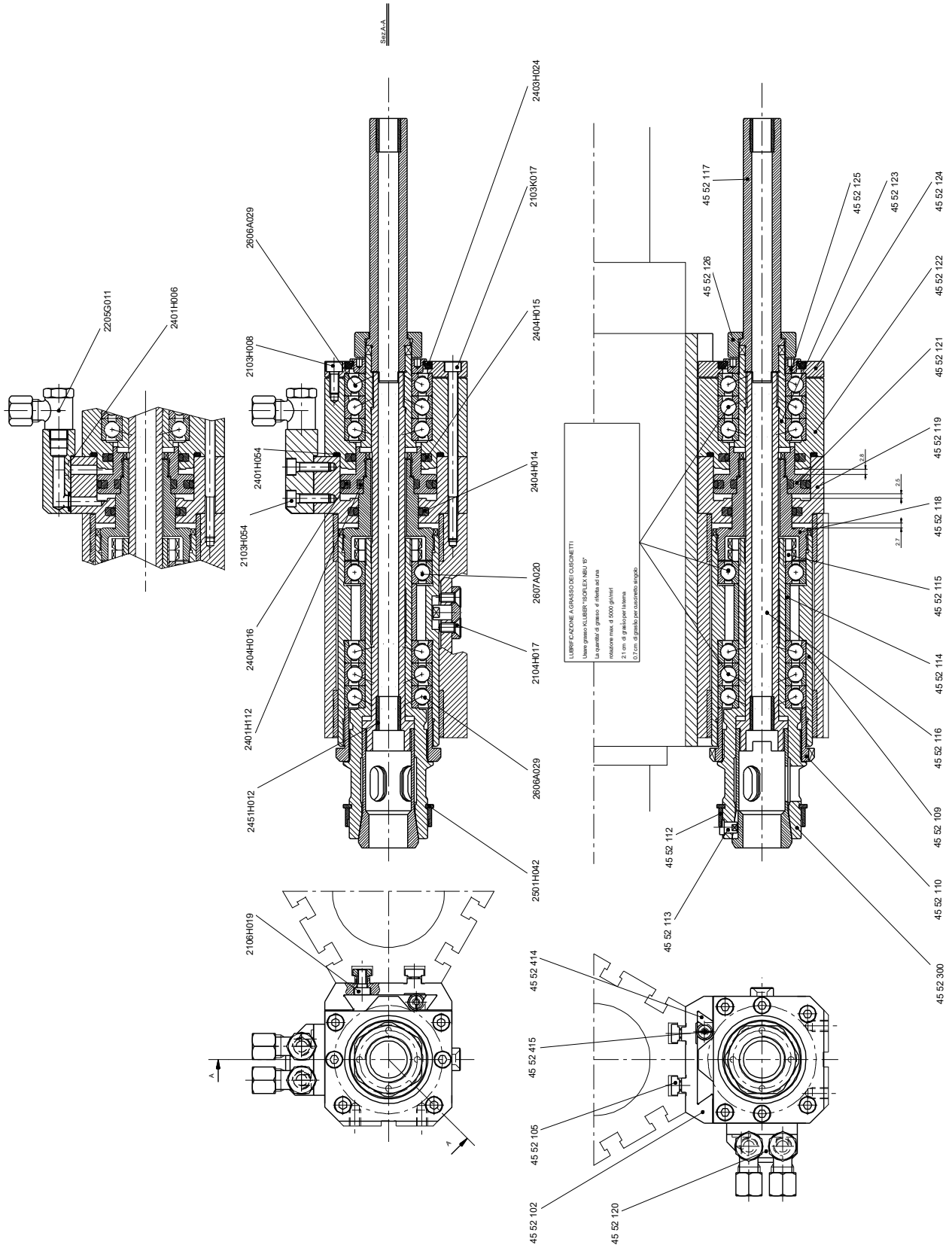
**MANDRINO DA RIPRESA IDRAULICO POS.6 E POS.3
POS.6 AND POS.3 HYDRAULIC PICK-UP ATTACHMENT
ABGREIFSPINDELEINRICHTUNG**

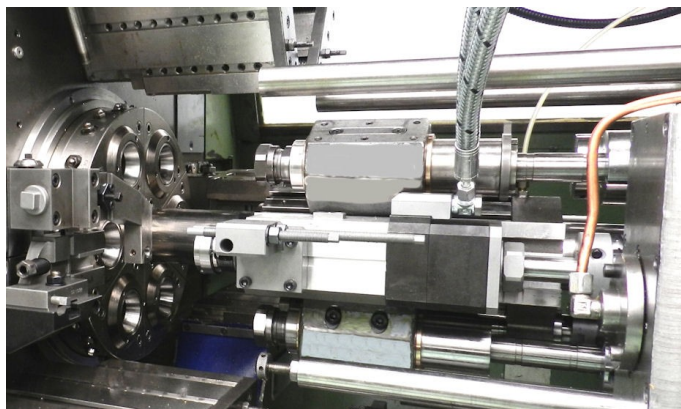


**FORNITURA COMPLETA NUOVA APPARECCHIATURA (richiedete pdf specifico o cliccate qui)
FORNITURE RICAMBI APPARECCHIATURE ORIGINALI
REVISIONI APPARECCHIATURE ORIGINALI**

**WE CAN SUPPLY NEW COMPLETE ATTACHMENTS (please ask for detailed pds or click here)
OR SPARE PARTS FOR YOUR ORIGINAL ATTACHMENTS
OR WE CAN REBUILD YOUR OLD ATTACHMENTS**

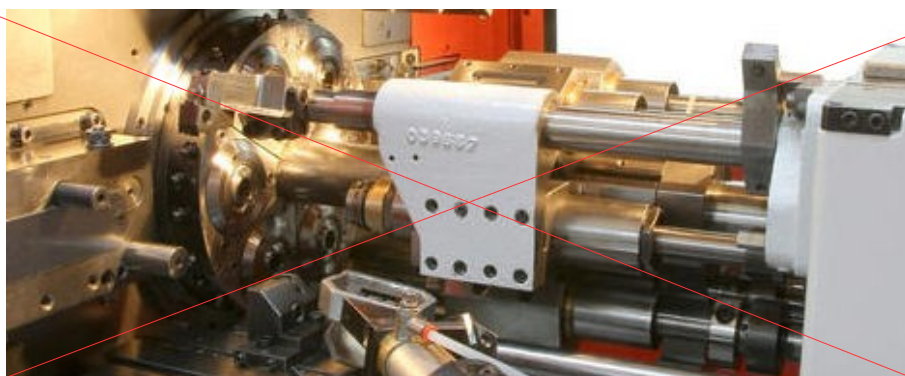
MANDRINO DA RIPRESA IDRAULICO HYDRAULIC PICK-UP ATTACHMENT ABGREIFSPINDELEINRICHTUNG



**MANDRINO DA RIPRESA PNEUMATICO POS.6 E POS.3
POS.6 AND POS.3 PNEUMATIC PICK-UP ATTACHMENT
ABGREIFSPINDELEINRICHTUNG****NEW PNEUMATIC****NUOVO PNEUMATICO**

Questo apparecchio, con chiusura/apertura pinza azionate pneumaticamente, supera il modello originale pneumatico della Gildemeister in rigidità e robustezza, grazie allo scorrimento su slitta a coda di rondine, e garantisce una chiusura di circa 1,5 volte più forte (paragonabile a quella del modello idraulico Saco). Paragonato al modello idraulico Saco, abbiamo la stessa robustezza e precisione senza però il costo iniziale (e di mantenimento) di una centralina elettrica, ed inoltre la velocità di attivazione della pinza è ben superiore.

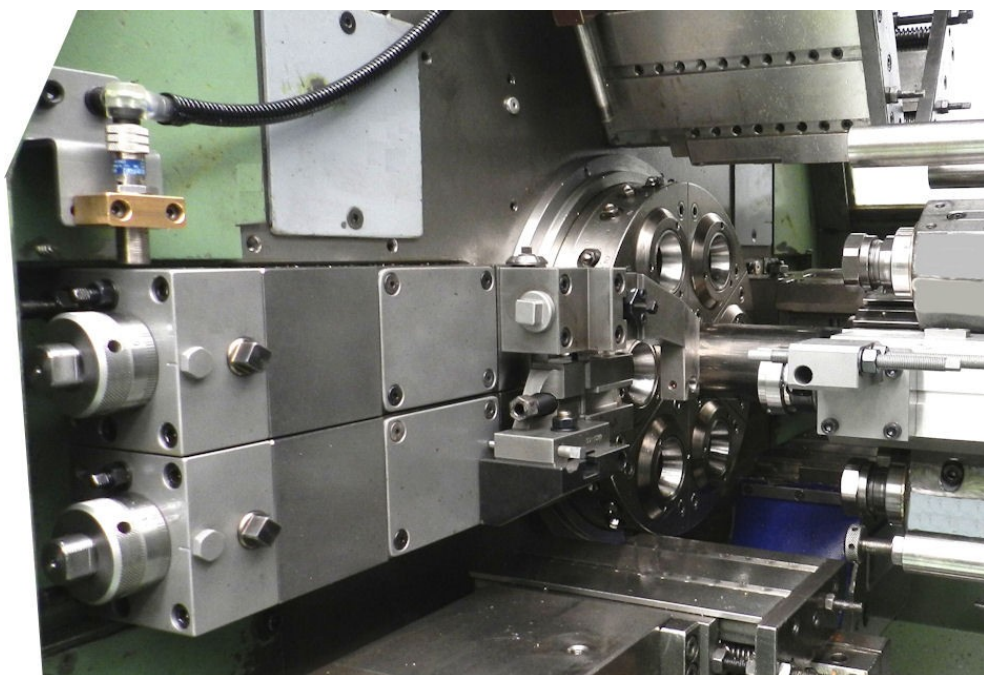
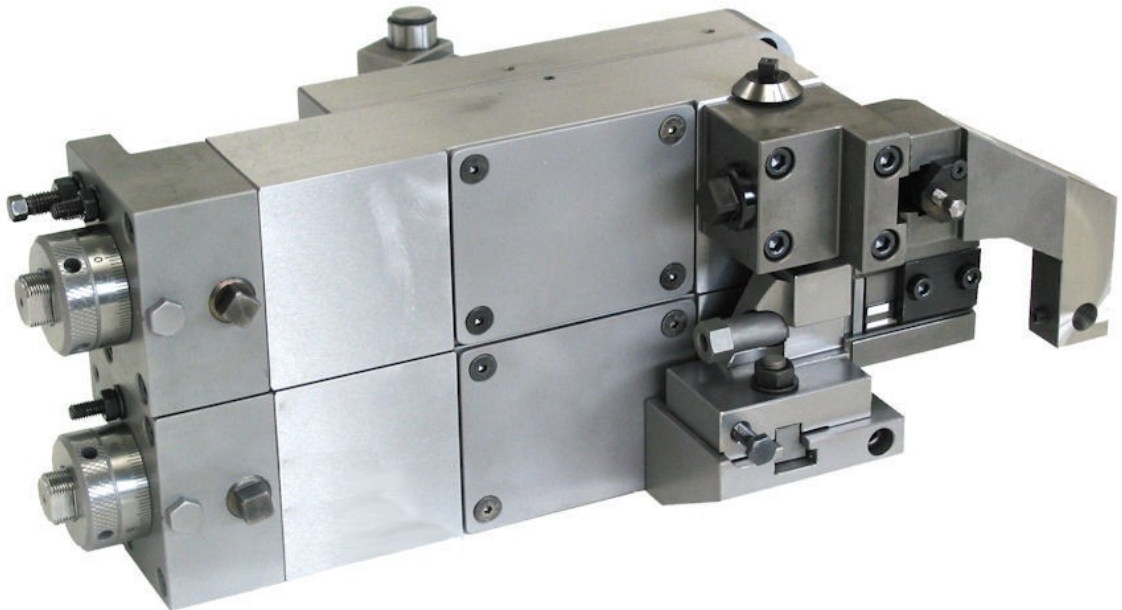
This is a new pick-off spindle with pneumatic collet clamping/unclamping.
Compared with Gildemeister old style pneumatic pick-up, it has much more rigidity and strength, thanks to the dove tail base, and it has 1,5 more power in the collet clamping
Compared with the recent Saco hydraulic pick-up, it has the same rigidity and strength with much quicker collet activation, and it does not need any expensive hydraulic unit to run.





GILDEMEISTER
AS16 AS20 GS20 GM20

SLITTA DOPPIA MECCANICA TAGLIO/RIPRESA POS.6 E POS.3
MECHANICAL DOUBLE SLIDE FOR POS.6 AND POS.3





GILDEMEISTER
AS16 AS20 GS20 GM20

SLITTA DOPPIA POS.6 E POS.3:

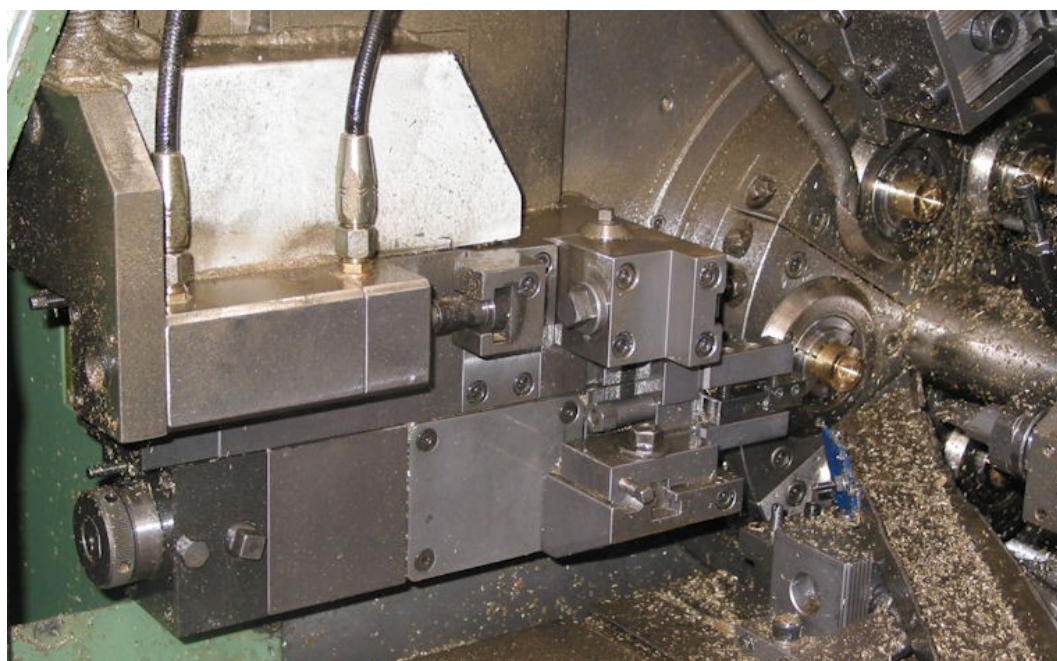
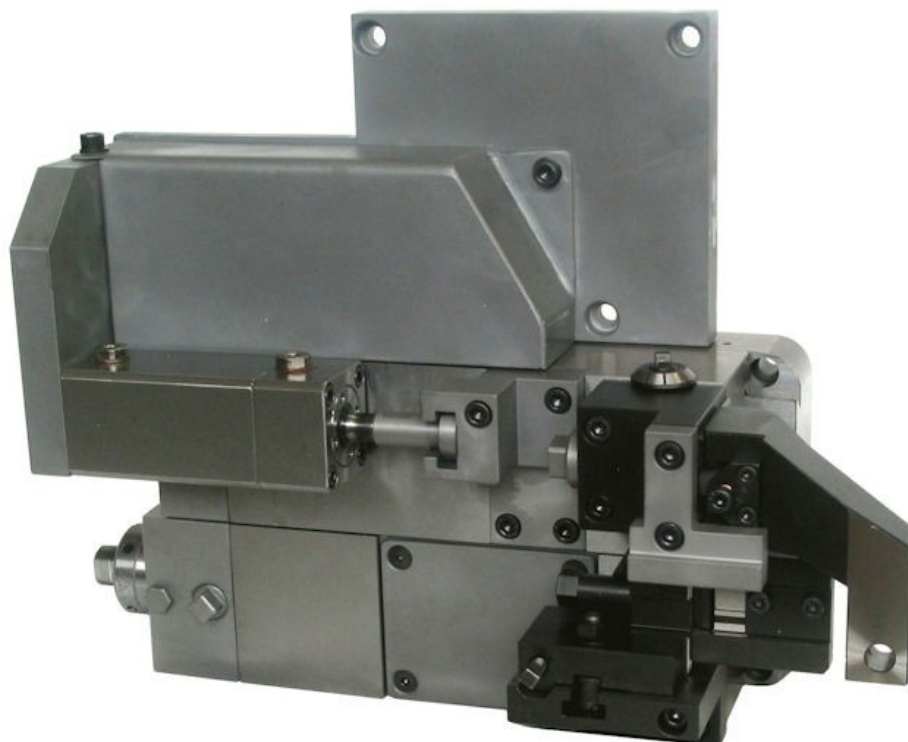
POS.6 AND POS.3 DOUBLE SLIDE :

MECCANICA PER TAGLIO PEZZO

IDRAULICA PER LAVORO DI RIPRESA

MECHANICAL SLIDE FOR CUT-OFF JOB

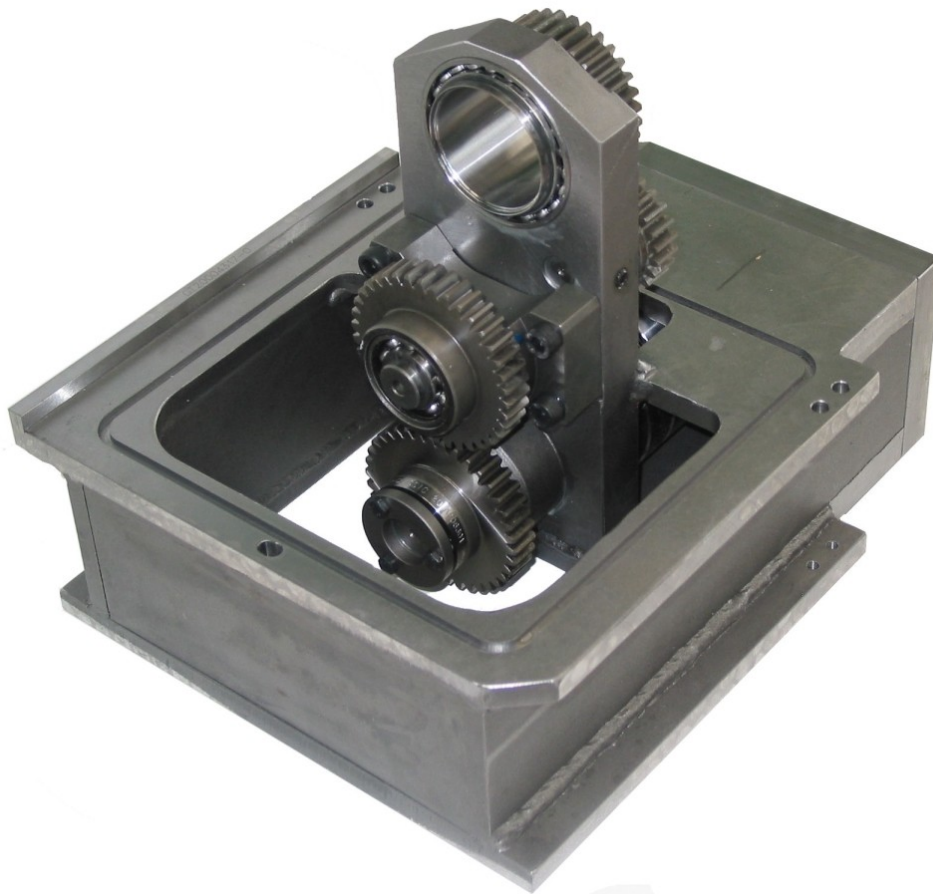
HYDRAULIC SLIDE FOR BACK-SIDE JOB





**GILDEMEISTER
AS20 GS20 GM20**

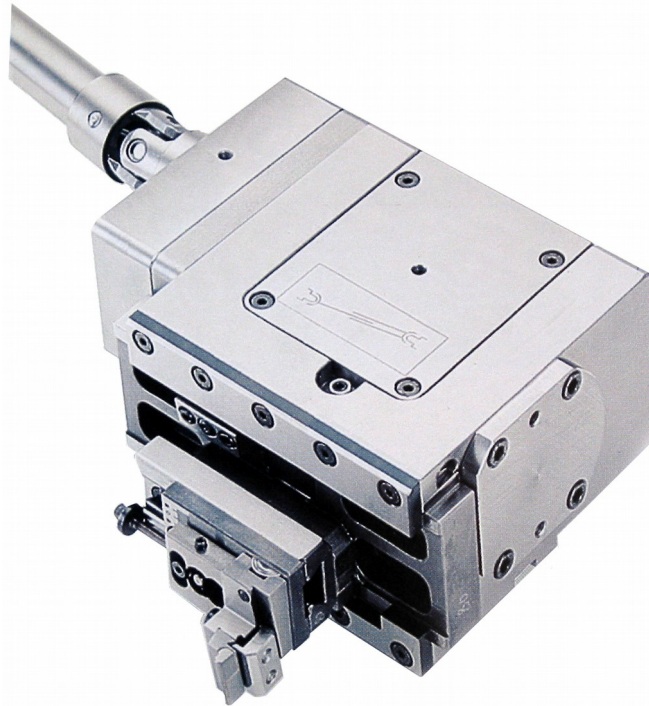
**FRENO PER MANDRINO DA RIPRESA POS.6
BRAKE FOR PICK-OFF ATTACHMENT POS.6**



FORNITURA COMPLETA NUOVA APPARECCHIATURA
FORNITURE RICAMBI APPARECCHIATURE ORIGINALI
REVISIONI APPARECCHIATURE ORIGINALI

WE CAN SUPPLY NEW COMPLETE ATTACHMENTS
OR SPARE PARTS FOR YOUR ORIGINAL ATTACHMENTS
OR WE CAN REBUILD YOUR OLD ATTACHMENTS



**APPARECCHIO PETTINATORE DI FILETTI POS.4-5
THREAD-SHAVING ATTACHMENT POS.4-5****SCATOLA DI PRESA-MOTO PER PETTINATORE SACO
DRIVING GEAR-BOX FOR SACO THREAD-CHASING ATTACHMENT**

La scatola G1D/6, che contiene le 2 coppie di ingranaggi rapporto pettinatura, è utilizzata per dare il moto alla testa a pettinare GR1. Va fissata sopra una delle due uscite di moto della nostra scatola G1D/0 che, con l'uscita rimasta libera, può continuare a servire la testa a poligonare.

The gear-box G1D/6 is able to drive Gildemeister Saco-Autor "GR.1" thread chasing attachment. It must be fitted on 2-outputs driving unit of our polygon attachment. It allows you to do polygon operation and thread-chasing operation at the same time in pos.4-5, without taking off our 2-outputs driving unit from the machine



**FRESATORE FRONTALE
FRONTAL MILLING ATTACHMENT
FRONTAL FRAESEINRICHTUNG
APPAREIL A FRAISER FRONTAL**



Siamo in grado di fornire l'apparecchiatura nuova, copia dell'ultima versione GR1 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. E' possibile la registrazione trasversale del pacco fresa di +/-0,5mm, senza più doverlo smontare per sostituire i distanziali.

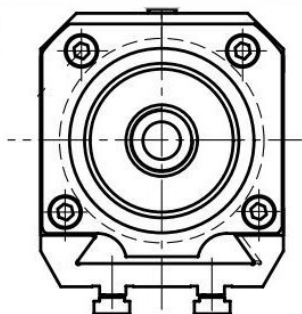
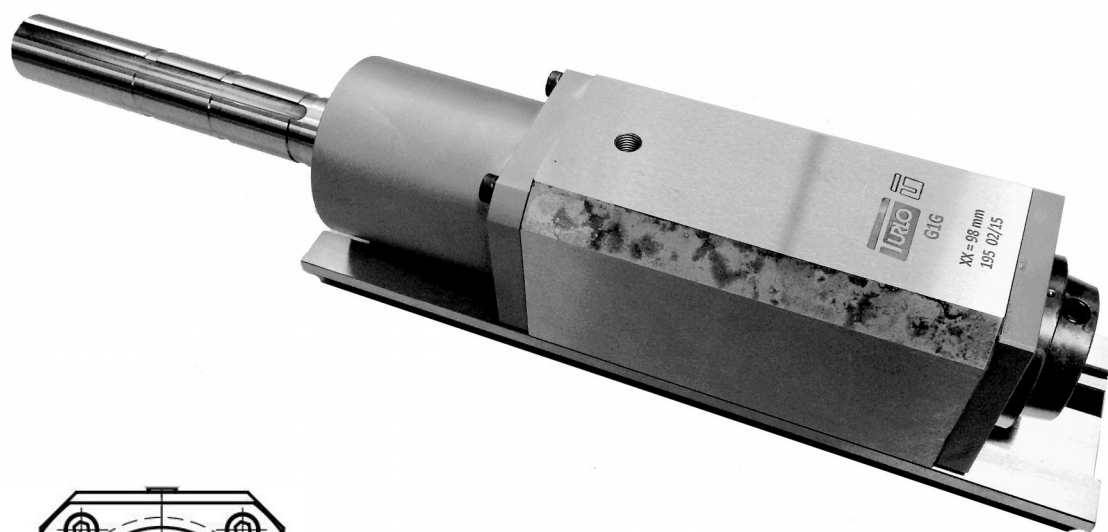
We can supply the complete new attachment, based on GR1 Saco model. Every single part is interchangeable with original ones, and that allows us to repair old original units with our spare parts. We supply the latest model, in which it is possible to adjust the cross position of the milling disk, without taking it off.

CARATTERISTICHE TECNICHE

- posizioni di montaggio / mounting positions	tutte / all
- velocità massima del mandrino / max machine rpm	3000 rpm
- distanza massima tra pinza e fresatore / max distance between collet and milling unit 83mm	
- Corsa massima / max stroke	39mm
- corsa di regolazione assiale pacco frese / cross adjustment for milling disk position	+/-0,5mm
- diametro massimo di fresa / max milling disk dia.	70mm
- diametro massimo del pezzo / max part dia.	25mm
- rapporto di fresatura / milling ratio	0,39 acciai / steel 0,61 ottone / brass

Fornibile anche nella versione per macchina stop-mandrino.
Also available the version for spindle-stop machine.

APPARECCHIO BROCCIATORE SINCRONO
BROACHING ATTACHMENT
MEHRKANTSTOBENRICHTUNG
APPAREIL Á MORTAISER (ETAMPER)
BROCIADOR
BROCHADOR

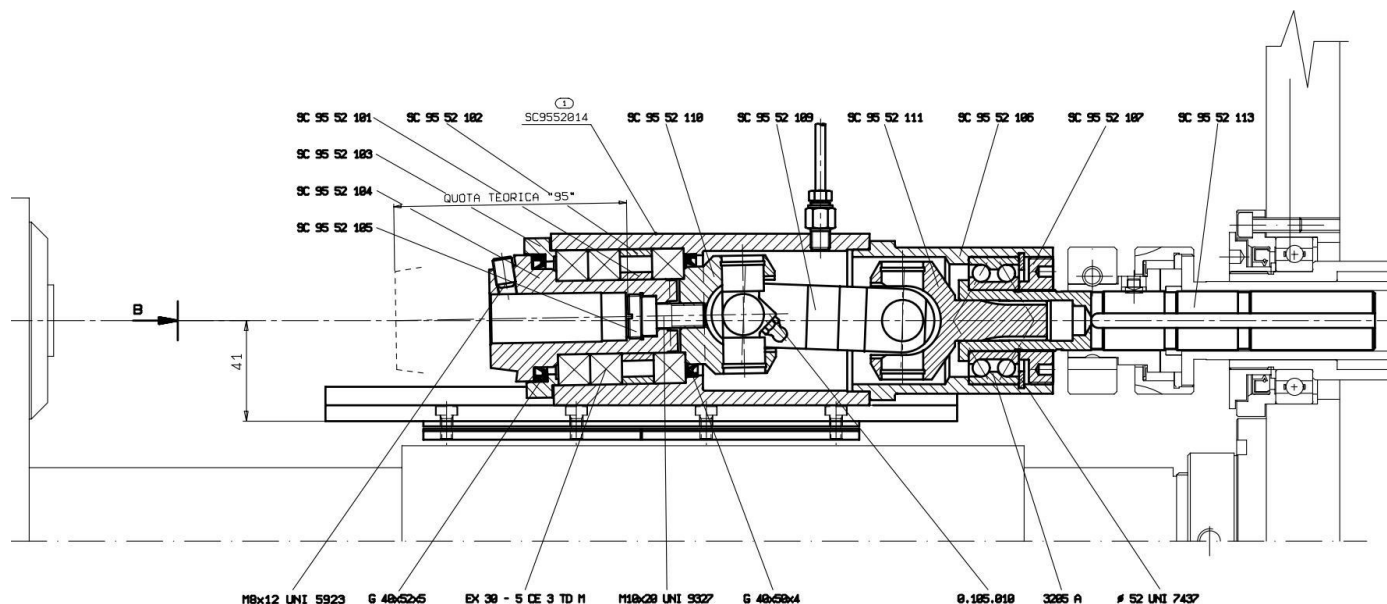


Caratteristiche tecniche:

- slitta del tipo largo per una maggiore rigidità
- crociera maggiorata per una maggiore robustezza

Technical datas:

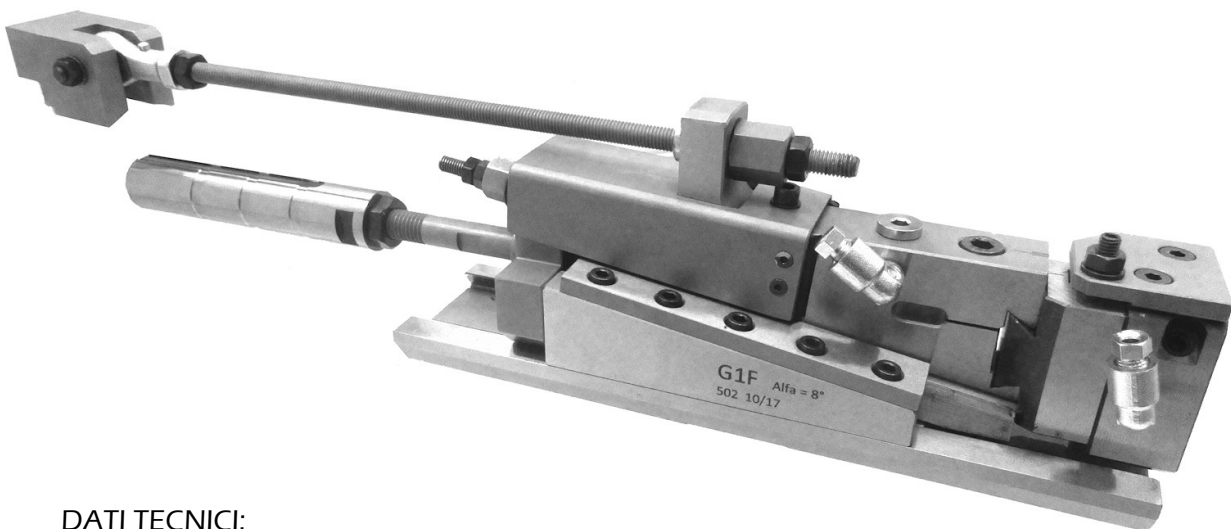
- wider base to increase rigidity
- bigger cross in the joints to transmit more power



APPARECCHIO RECESSITORE A RAMPA
RAMP RECESSING ATTACHMENT
INNENAUSDREHSCHIEBER
APPAREIL A CHAMBRER
CAJEADOR
ABRIR CANAIS INTERNOS E ACIONAMENTO TIPO RAMPA

TECHNICAL DATA:

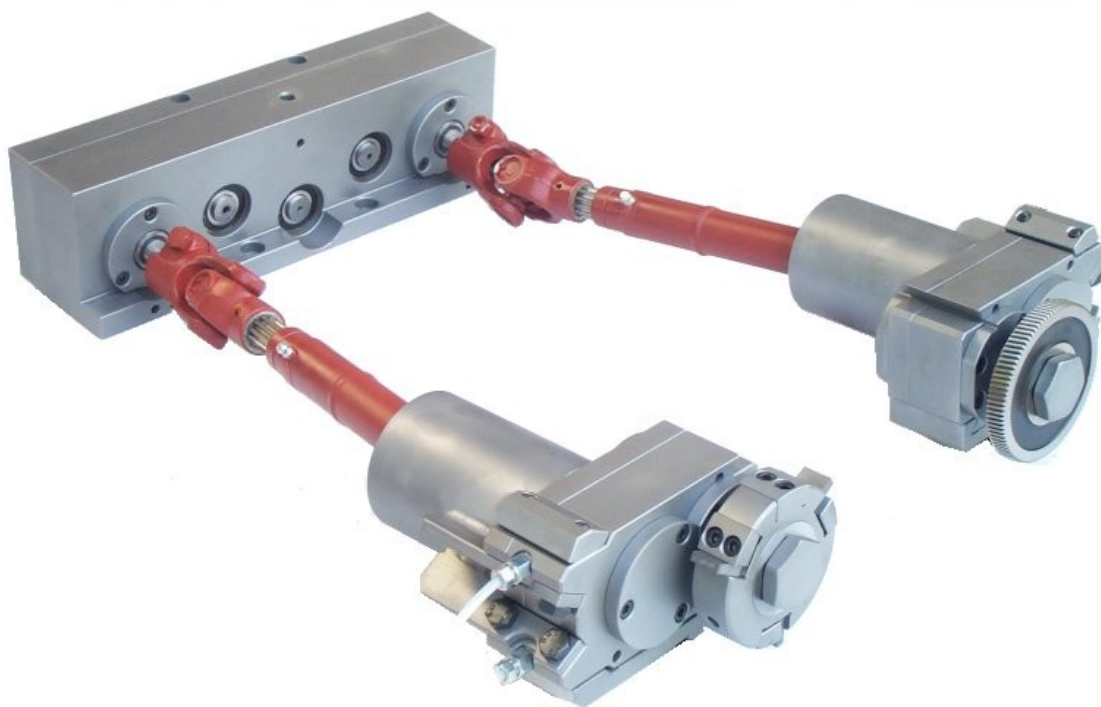
- Ramp inclination is 8° degree
- Tool Fitting = $\varnothing 16\text{mm}$ or $\varnothing 20\text{ mm}$ diameter bore
- Cutting liquid through the tool
- Up and down adjustable toolholder
- Possibility of axial movement while recessing



DATI TECNICI:

- Inclinazione rampa = 8°
- Foro utensile = $\varnothing 16\text{mm}$ oppure $\varnothing 20\text{ mm}$
- attacco per liquido da taglio attraverso utensile
- Regolazione verticale posizione utensile
- Possibilità di movimento assiale utensile per passata interna al pezzo

APPARECCHIO FRESATORE DI POLIGONI E FILETTI
POLYGON GENERATING AND THREAD MILLING ATTACHMENT
MEHRKANTDREH UND GEWINDEFRASEINRICHTUNG



La Scatola Presamoto (A) va posizionata sul castello dei mandrini frontali. Il moto sincronizzato le viene trasmesso dall'ingranaggio (G1D/1), che può essere già presente in macchina. La Scatola Presamoto è stata progettata per essere in grado di servire contemporaneamente due Scatole anteriori Portafresa (B e C), attraverso due Alberi Telescopici (D e E).

Le Scatole Portafresa vanno posizionate sui carri trasversali, nelle stazioni 4 e 5.

Ogni Scatola Portafresa è intercambiabile tra la stazione 4 e 5. Le Scatole Portafresa possono essere di due tipi: con rapporto 1:1 per fresatura di filetti oppure con rapporto 1:2 per poligonatura.

Vi è anche la possibilità di ottenere due operazioni di poligonatura in fase, grazie al nostro giunto registrabile.

Forniamo inoltre platorelli portalame e inserti di varia larghezza per le operazioni di poligonatura.

Se si necessita usare il comando di spinta assiale dei carri nelle stazioni 4 e 5 viene fornita la modifica dell'asta di spinta che la rende compatibile con la presenza della nostra Scatola Presamoto (vedi foto in basso a destra).

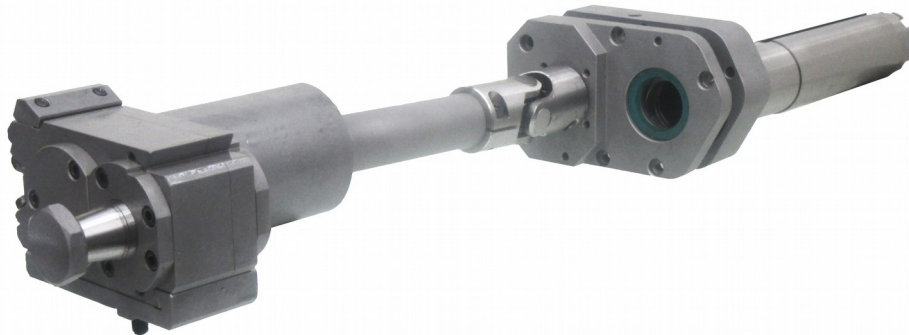
The "A" Driving Gear-box must be placed on the tool-spindle casting as you can see in the bottom right picture.

The "A" Driving Gear-box is driven by the "G1D/1" gear that is usually already fitted in the casting.

The "A" Driving Gear-box has been designed to drive two Tool Gear-boxes at the same time, on the cross slides in 4th and 5th position. Tool Gear-boxes can be fitted in 4th or 5th position as you like.

To make flats and polygons you need to order the "C" Tool Gear-box with 1:2 ratio inside. Meanwhile to mill threads you need to order the "B" Tool Gear-box with 1:1 ratio inside.

If you need two phased polygon generating operations, you can do that by using our adjustable joint in one of the two outputs in the "A" Gear-box. We also supply "G" Tool-holder for polygon generating operations and hard metal cutters.

POLIGONATORE A GIOCO RIDOTTO CON PRESA DIRETTA DA MANDRINO
PER POS.2-3**POLYGON MILLING ATTACHMENT in pos.2 or pos.3**

Utilizza le nostre scatole portafresa standard con attacco conico 8°16'33"

Utilizza in totale 2 coppie di ingranaggi elicoidali (come nei tradizionali apparecchi Saco-Autor)

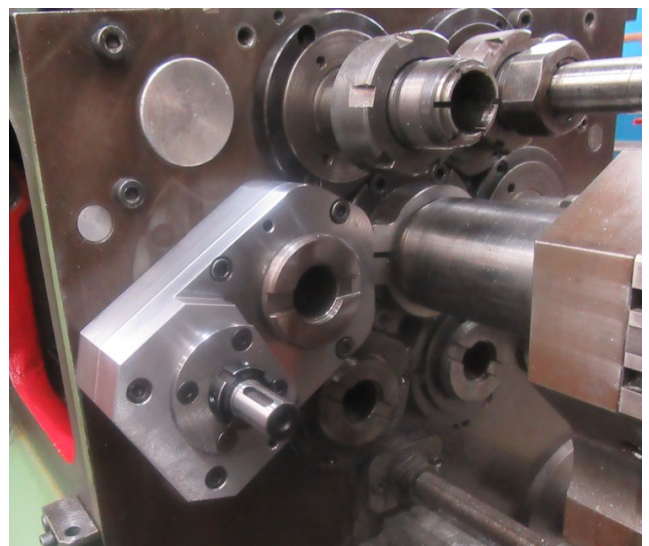
Permette di continuare ad utilizzare il mandrinorotante standard per fare sostegno pezzo.

Se si volesse forare con punta fissa nella stessa stazione in cui si usa il poligonatore, possiamo fornire un mandrino speciale in grado di farlo.

Il fuso del mandrino rotante va sostituito con uno simile che forniamo con l'apparecchio. Una volta sostituito quello originale, la macchina continuerà a lavorare con quello speciale, sia che si usi l'apparecchio poligonatore, sia che lo si tolga dalla macchina.

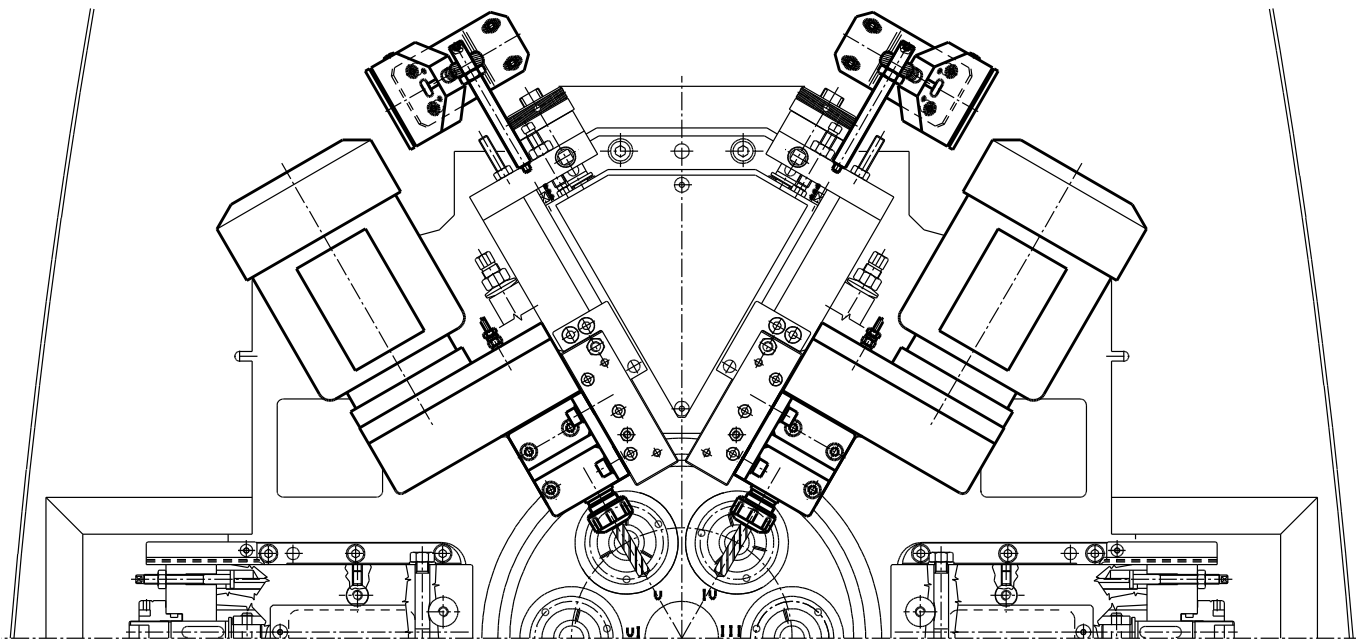
Technical features:

- the driving gear-box is installed in pos.3, where the front-spindle control is coming off the machine.
- the perfect alignment with the tool-head is when you place it on pos.2 cross slide, but it is also possible to work with the head placed on pos.3 cross slide (in this case we suggest to reduce the back-stroke of the cross slide to the minimum needed for the indexing)
- it is possible to keep doing frontal drilling operation in pos.3 by using our special tool-spindle
- we put helicoidal gears in both gear-boxes in order to have the lowest play in the transmission.
- we can supply tool-head with 1:2 ratio to make polygon-milling or with 1:1 ratio to make thread-milling
- the tool-head can be used also in pos.4 and 5 with a different kind of driving that we supply.
- tool-fitting is usually with 8°16'33"taper (standard Gildemeister) + 5mm key



3163044

APPARECCHIO FORATORE TRASVERSALE per macchine stop mandrino CROSS DRILLING ATTACHMENT for spindle-stop machine

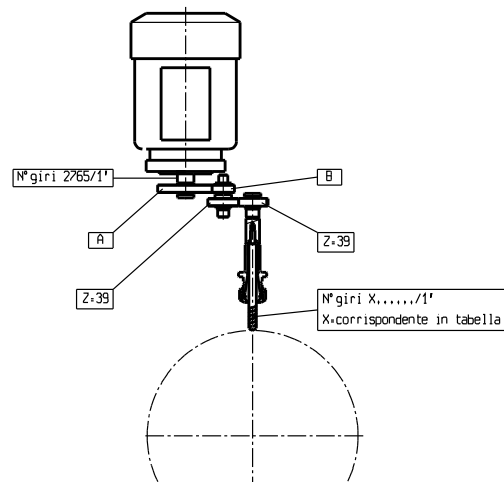
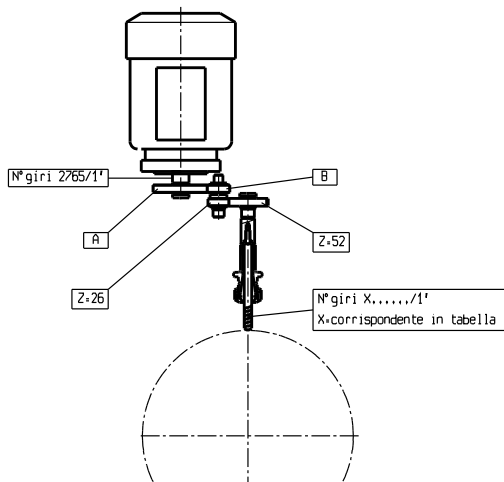


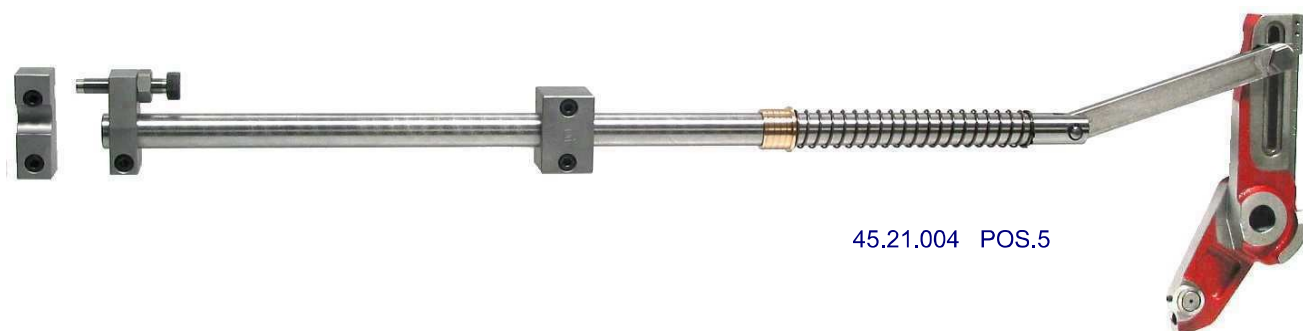
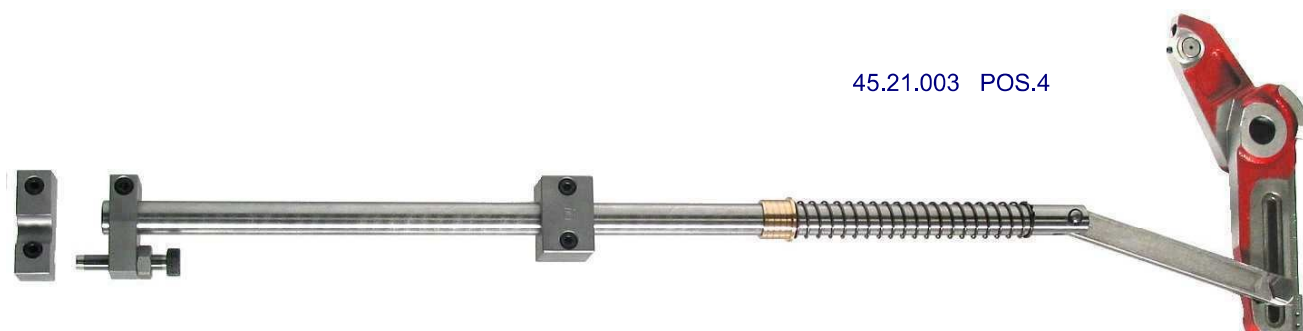
Ruota A Z/N° dis.	Ruota B Z/N° dis.	U.giri/1' uscita
75 16 70 582	25 16 70 581	4296
72 16 70 584	28 16 70 583	3682
69 16 70 586	31 16 70 585	3187
66 16 70 588	34 16 70 587	2780
63 16 70 510	37 16 70 589	2438
60 16 70 512	40 16 70 511	2148
57 16 70 514	43 16 70 513	1898
54 16 70 516	46 16 70 515	1681
52 16 70 518	48 16 70 517	1551
50 16 70 519	50 16 70 519	1432

Ruota A Z/N° dis.	Ruota B Z/N° dis.	U.giri/1' uscita
75 16 70 581	75 16 70 582	477
72 16 70 583	72 16 70 584	557
69 16 70 585	69 16 70 586	643
66 16 70 587	66 16 70 588	737
63 16 70 589	63 16 70 510	841
60 16 70 511	60 16 70 512	955
57 16 70 513	57 16 70 514	1080
54 16 70 515	54 16 70 516	1220
52 16 70 517	52 16 70 518	1322

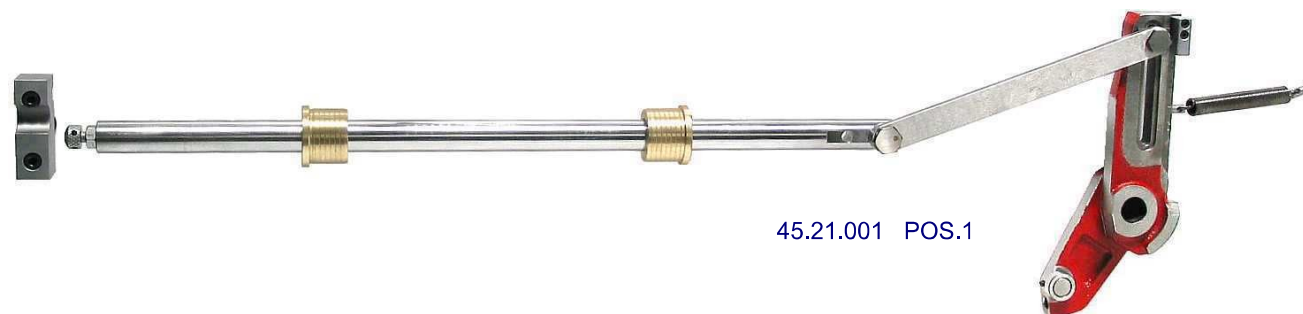
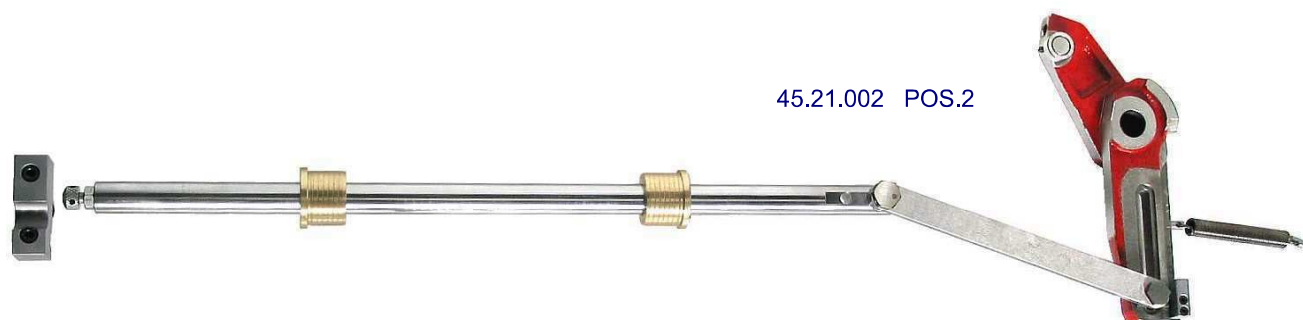
Ruota A Z/N° dis.	Ruota B Z/N° dis.	U.giri/1' uscita
75 16 70 582	25 16 70 581	8295
72 16 70 584	28 16 70 583	7110
69 16 70 586	31 16 70 585	6154
66 16 70 588	34 16 70 587	5637
63 16 70 510	37 16 70 589	4787
60 16 70 512	40 16 70 511	4147
57 16 70 514	43 16 70 513	3665
54 16 70 516	46 16 70 515	3245
52 16 70 518	48 16 70 517	2995
50 16 70 519	50 16 70 519	2765

Ruota A Z/N° dis.	Ruota B Z/N° dis.	U.giri/1' uscita
75 16 70 581	75 16 70 582	921
72 16 70 583	72 16 70 584	1075
69 16 70 585	69 16 70 586	1242
66 16 70 587	66 16 70 588	1424
63 16 70 589	63 16 70 510	1623
60 16 70 511	60 16 70 512	1843
57 16 70 513	57 16 70 514	2085
54 16 70 515	54 16 70 516	2355
52 16 70 517	52 16 70 518	2552





OPTIONAL :
COMANDO SPINTA ASSIALE COMPLETA
PUSHING SET FOR AXIAL SLIDES



OPTIONAL :

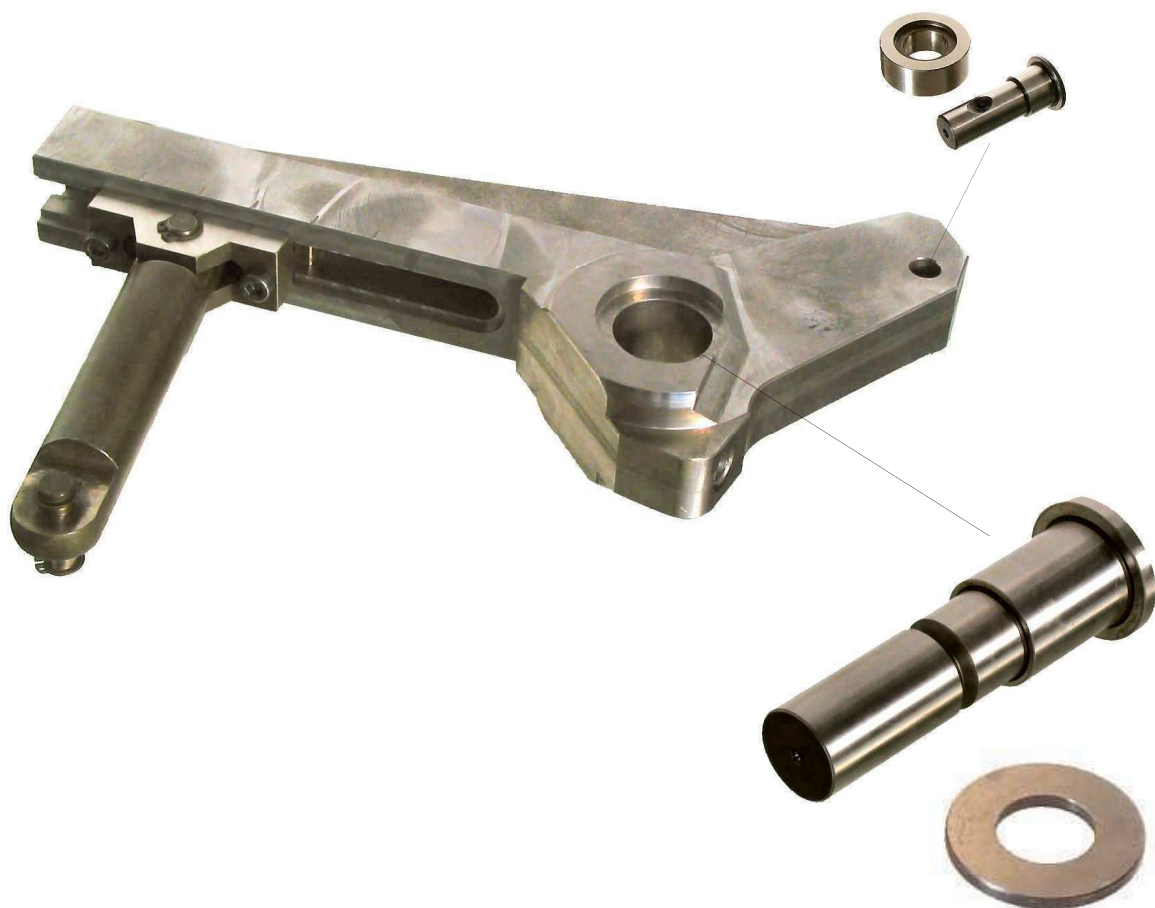
VARIANTE PASSAGGIO BARRA 25mm
25mm MODIFIED BAR FEEDING



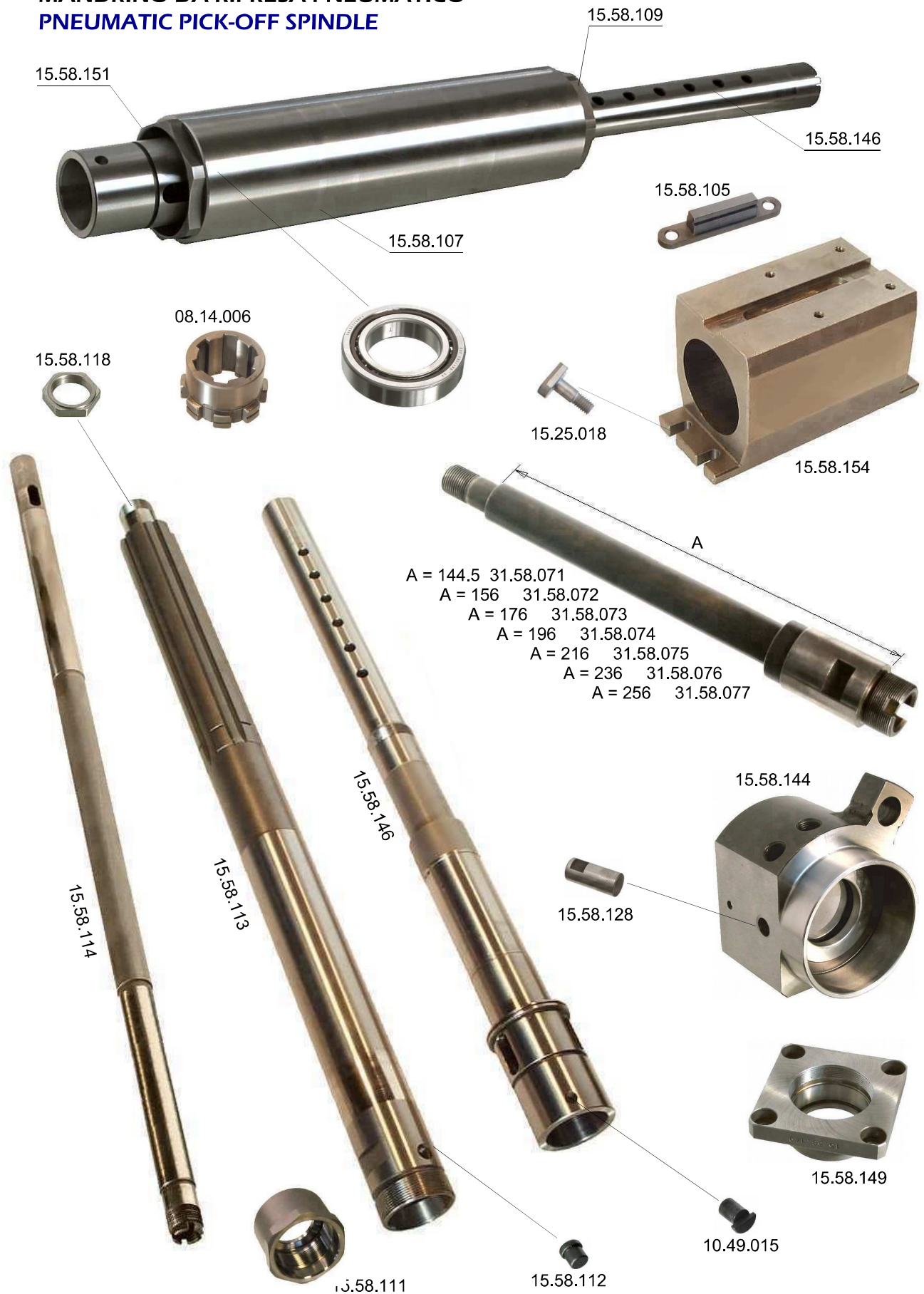


GILDEMEISTER
AS16 AS20 GS20 GM20

OPTIONAL: 31.27.001 COMANDO SUPPORTO CENTRALE
CENTRE BLOCK MOVING SET



MANDRINO DA RIPRESA PNEUMATICO
PNEUMATIC PICK-OFF SPINDLE

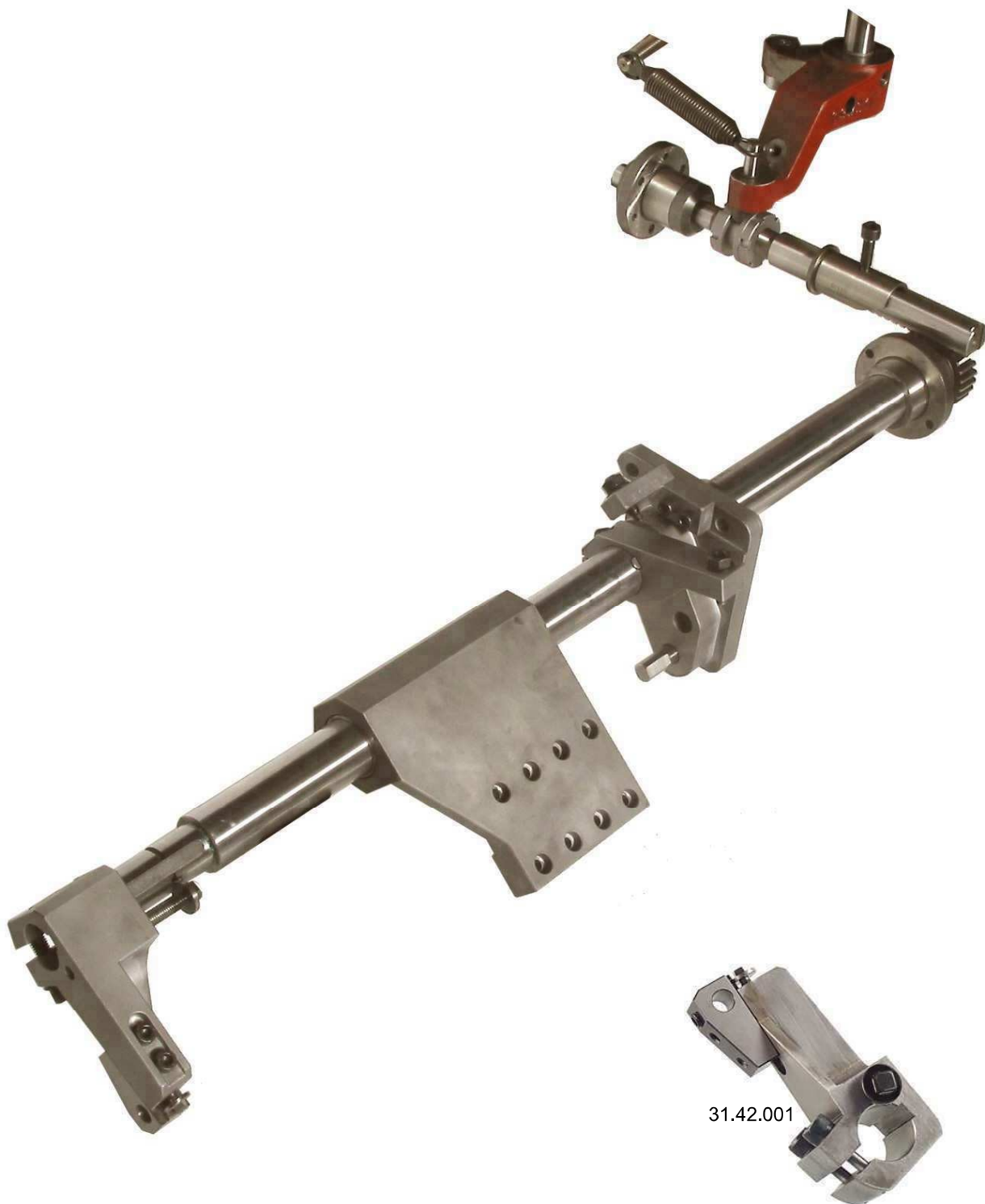




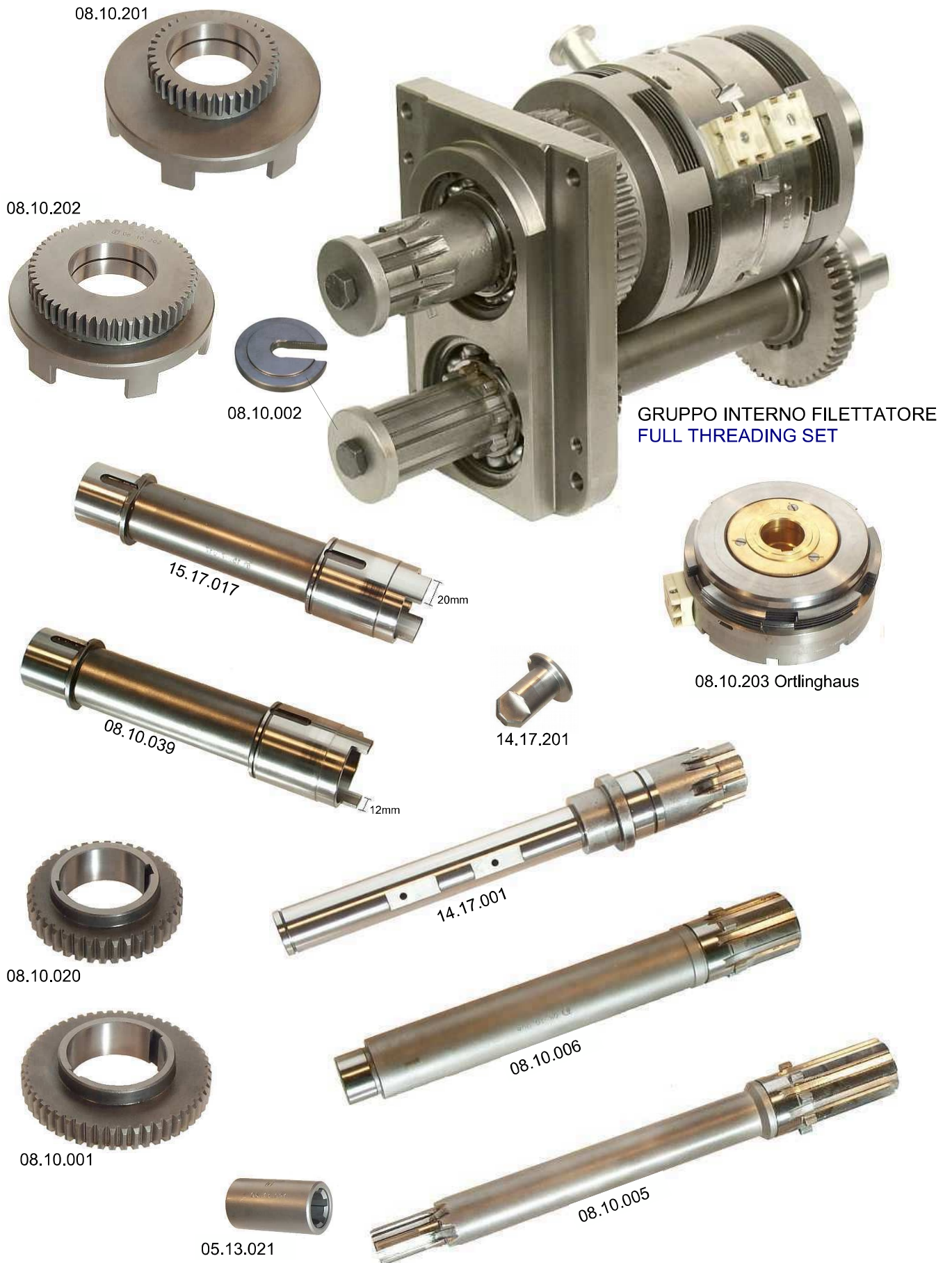
GILDEMEISTER
AS16 AS20 GS20 GM20

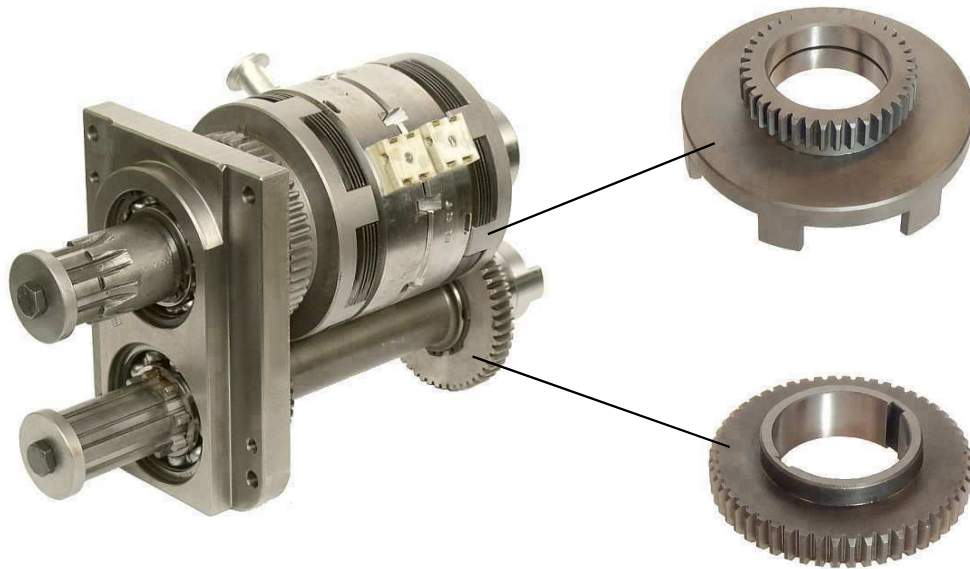
OPTIONAL : 31.42.101

BRACCIO CON COMANDO INDIPENDENTE POS.6



31.42.001





THREADING RATIO MODIFICATION IN THE CLUTCH ASSEMBLY

As you know in Gildemeister 20 machine you have the possibility to change the threading ratios by replacing a single pair of ratio gears (usually called K and L in the machine book).

But, each time you change the ratio gears, you modify the threading in-speed as well as the threading off-speed.

For example: if you want to set a very quick in-speed (ratio -2.41)

to save cycle time by using the gears $k=40$ and $L=50$,

then the off-speed will be very slow (+10.56) without any improvement for the cycle time.

Therefore, above all when the threading is quite a long operation compared with the part cycle, you haven't got the possibility to optimize the threading speed and so the cycle time.

For that reason we have recently realized a simple modification of the clutch gears that allows fast in-speed and off-speed at the same time.

There could be different possible ratio modifications to suite customer requirements.

For example we can replace the off-speed clutch gears to obtain the following ratios:

In-speed = -2.41 (like the previous example)

Off-speed = +3.15

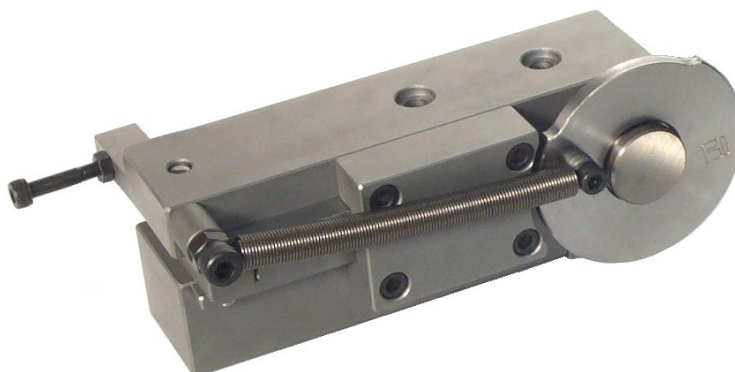
But we can supply modified gears to get even faster speeds or slower speeds than that.

Together with the modified gears we supply a new ratio table to see

how your machine threading ratios will change by replacing the ratio gears K and L.

Replacing the clutch gears is quite a simple operation and that can be done even just to machine a single components, if it is opportune.

TIMBRATORE RADIALE
CROSS MARKING ATTACHMENT
SIGNIEREINRICHTUNG
MARQUAGE TANGENTIEL
MARCADORES



This attachment is used to mark the components in a very simple and quick way, it is based on a completely mechanical logic.

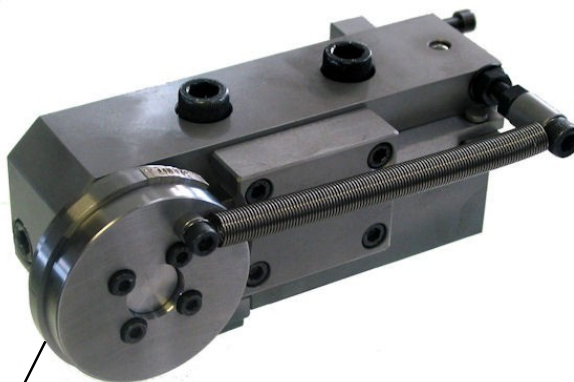
With our attachment on, the cross slide moves forward till the engraved disk hits the component. Because of the friction between them, the disk starts to turn and mark the component. After one rotation engraving is over and a locking pin stops the disk in a special position, where it cannot touch the component again.

When 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 station of the machine.

Now it is also possible to fit a disk with interchangeable letters.



The new roller with interchangeable characters





AS16 - AS20 OPTIONAL :

MANDATA RINFORZATA - SPECIAL CLAMPING MECHANISM

20096301



20096304



20096303

(senza anello)



20096305

(con anello montato)



20093605

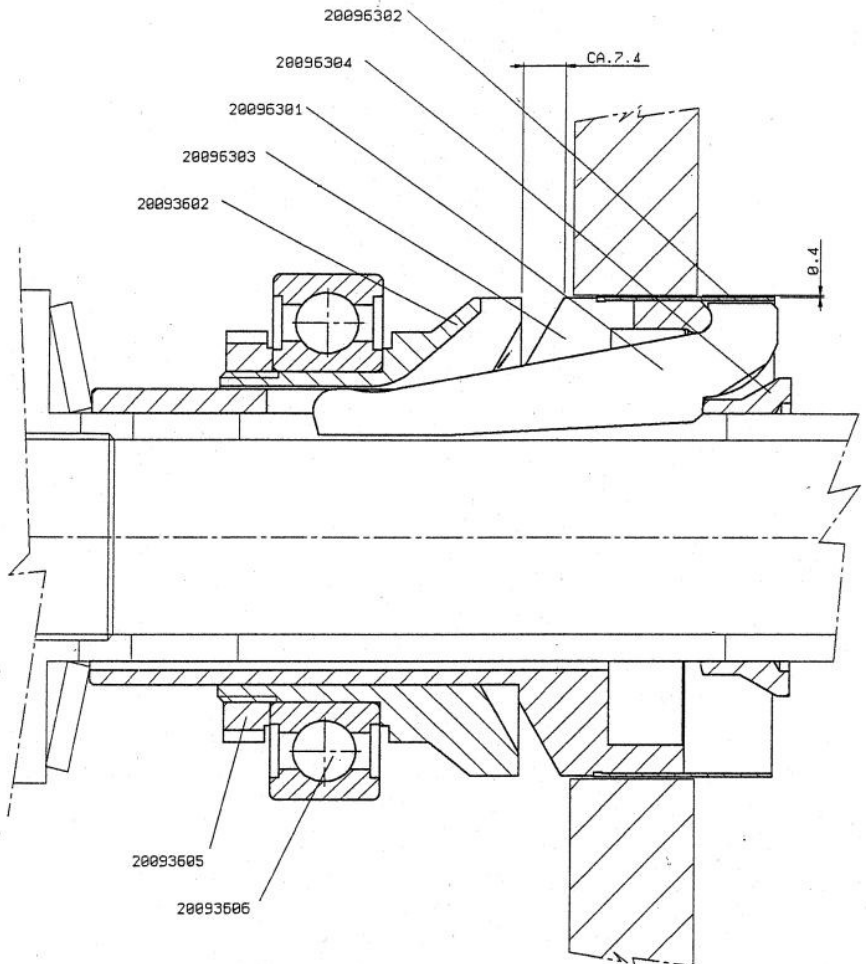


20093602



20093606

(d = 56 / D = 89 mm)



31.01.106
31.60.202




31.01.108



01.01.405



 01.33.553

08.01.351



31.01.110



← 31.01.107 →



01.25.202



05.02.009



05.02.012





GILDEMEISTER
AS16 AS20 GS20 GM20



08.01.105



31.01.109



15.01.007



15.01.004



31.01.137





GILDEMEISTER AS16 AS20 GS20 GM20

01.01.505



14.01.251



01.01.510



14.01.202



08.01.017



08.01.012



15.01.003



02.01.203



02.01.202



08.01.016

08.01.402



08.01.401

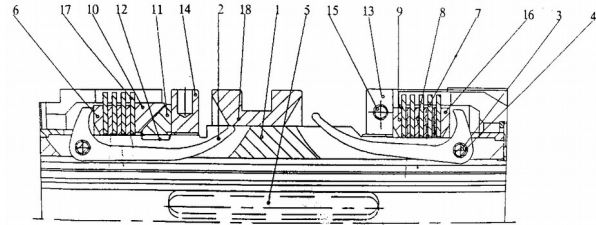
08.01.015



GILDEMEISTER
AS16 AS20 GS20 GM20

MACCHINA STOP MANDRINO - SPINDLE STOPPING MACHINE

0-300-609-31-156-000
double mechanical clutch



0-300-209-15-159-000
double mechanical clutch

08.53.152
longer Feed-Tube for Spindle-stopping machine

08.53.151
longer Collet-Tube for Spindle-stopping machine



GILDEMEISTER AS16 AS20 GS20 GM20



15.18.203



15.18.201



15.18.107



08.07.012

08.14.006



15.18.204



15.18.001



15.18.105



15.18.202



15.18.205



15.25.009



15.25.013



31.18.153



31.25.112



15.25.205
15.25.304



15.25.303



15.25.104



31.18.154

LEVE MANDRINI FRONTALI - TOOL SPINDLES LEVERS

Pos. 1-6
08.07.002 GS20
31.22.112 GM20



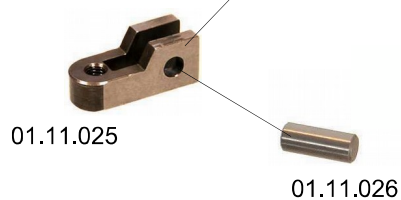
15.22.001 GS20
31.22.116 GM20



06.07.009



Pos. 2-3
08.07.004 GS20
31.22.113 GM20





GILDEMEISTER
AS16 AS20 GS20 GM20

08.14.005



08.07.012



05.14.009

05.14.007



05.14.012



01.11.026



05.14.008



08.07.011



08.14.006



05.13.038
05.13.036



11.03.003

11.03.002



14.18.002



16.40.651



08.40.202



**GILDEMEISTER
AS16**



08.14.013



08.47.028
(08.47.006)
(08.47.021)



08.58.355

PICK-UP AS16

08.47.027
(08.47.005)
(08.47.020)



GILDEMEISTER AS16 AS20 GS20 GM20

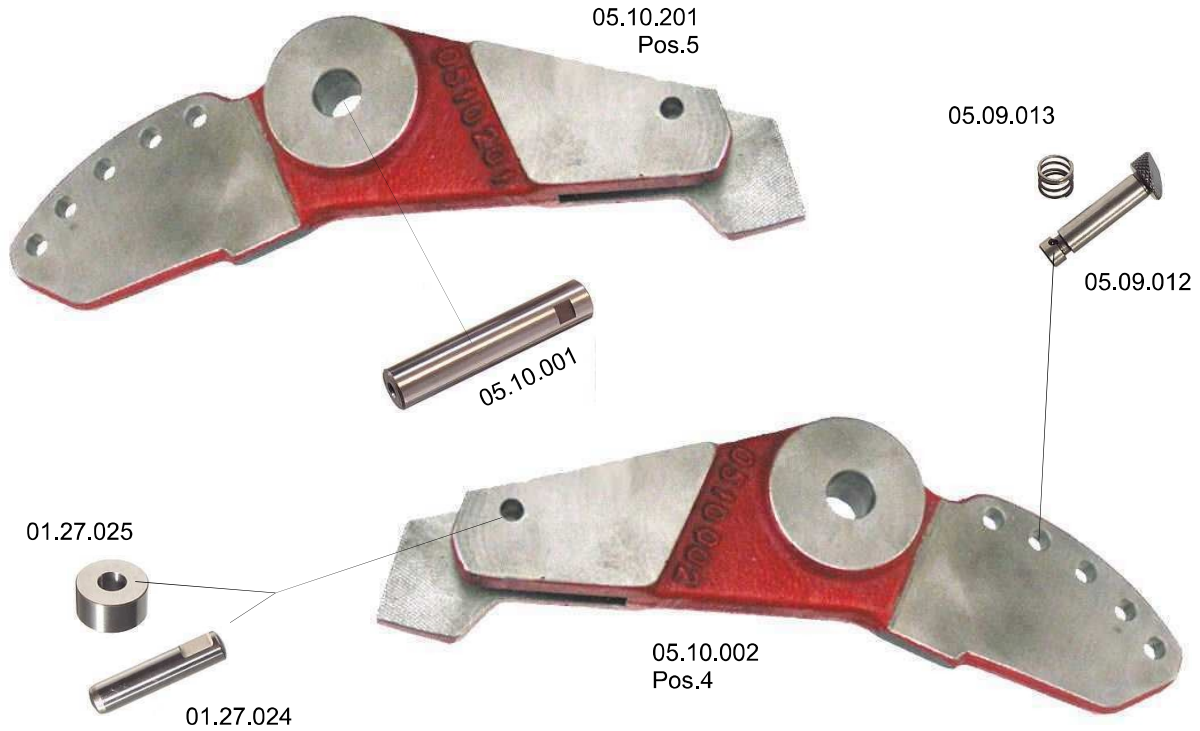




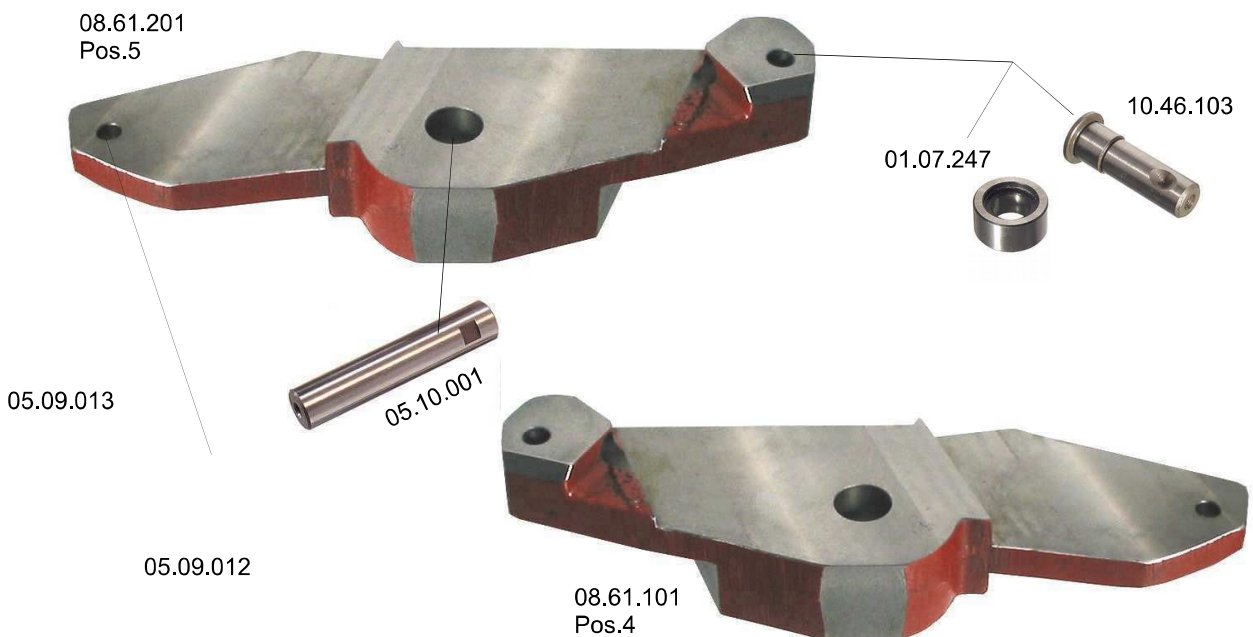
CARRI RADIALI - CROSS SLIDES LEVERS



CARRI RADIALI - CROSS SLIDES LEVERS



OPTIONAL :
LEVE ROBUSTE PER CARRI POS.4 E POS.5 CON APPARECCHI RULLATORI
HEAVY DUTY LEVERS FOR POS.4 AND POS.5 CROSS SLIDES WITH
ROLL-THREADING ATTACHMENTS ON





GILDEMEISTER AS16 AS20 GS20 GM20



15.21.101 AS/GS20
31.21.105 GM20



15.21.201 AS/GS20
31.21.106 GM20



15.22.008



15.22.007



15.22.009

17.01.513



08.40.019



05.25.654



15.21.305



06.07.009

15.21.107



Ø20



15.21.108



15.21.109



15.22.001



15.21.303

15.21.104



31.22.116

Ø24





GILDEMEISTER AS16 AS20 GS20 GM20



08.06.308 pos. 1-2



05.09.109 pos. 4-5



15.21.304



14.21.403



01.34.907



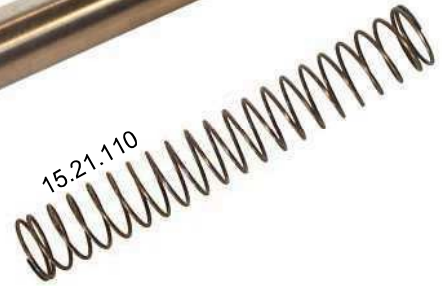
15.21.102 pos. 4-5



15.21.301 pos. 1-2



15.21.105



15.21.110



15.21.651
GS20-GM20
pos. 1-2



05.09.451



15.21.111



15.21.652
GS20-GM20
pos. 1-2



15.21.302
AS16-AS20
pos. 1-2

11.09.207
AS16-AS20
pos. 1-2

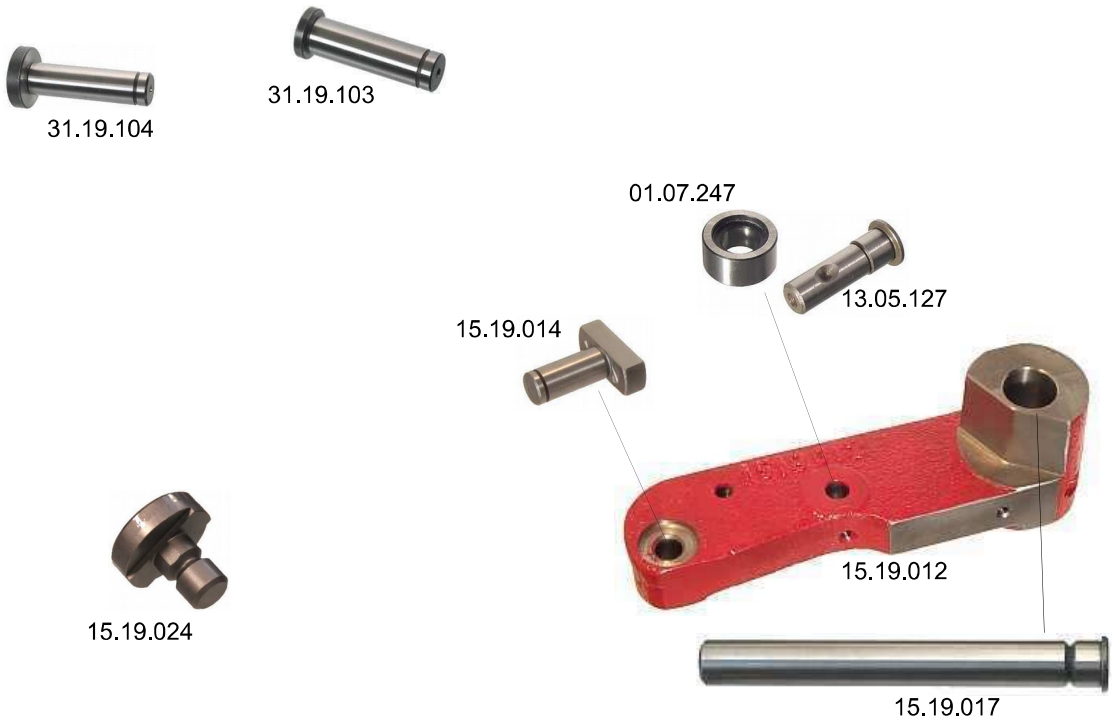
15.21.103
pos. 4-5



11.09.101



GILDEMEISTER AS16 AS20 GS20 GM20







GILDEMEISTER AS16 AS20 GS20 GM20





01.06.606



01.06.615





**GILDEMEISTER
AS16 AS20 GS20 GM20**



15.03.001



08.26.102



15.60.304



15.60.303



15.60.305



08.03.013



14.12.001



GILDEMEISTER AS16 AS20 GS20 GM20





VOGEL MFE5



VOGEL 34-34



VOGEL 34-24



OPTOACCOPIATORE
MOF5

