

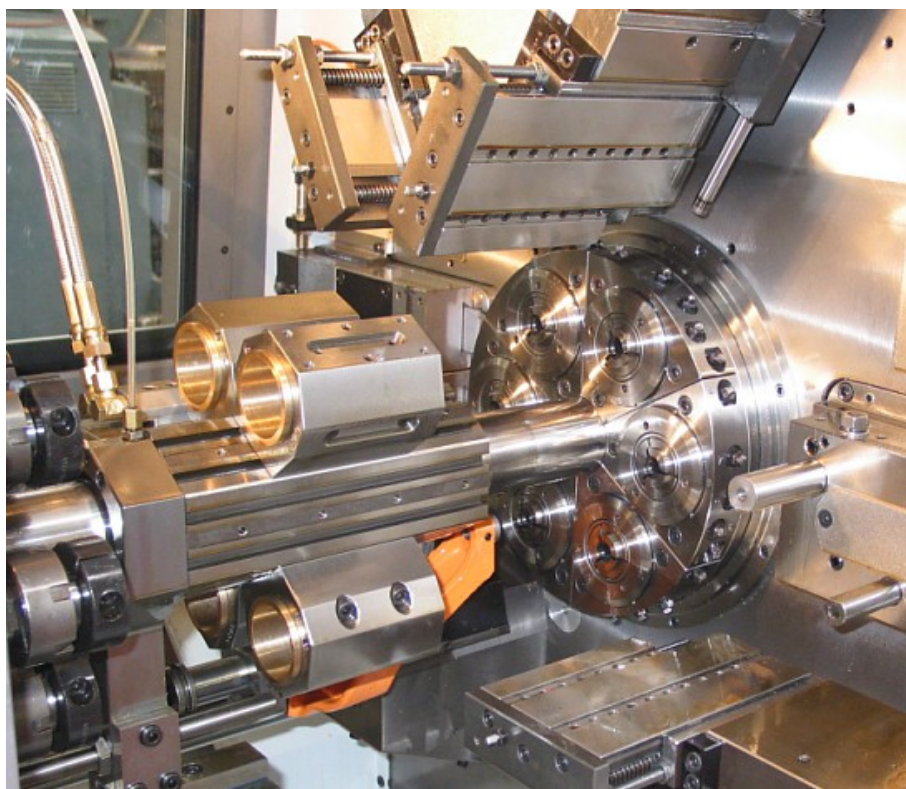


**DISPOSITIVI E RICAMBI
PER TORNI AUTOMATICI**

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

TURLO S.r.l.
Via Monte Rosa 5
13019 VARALLO SESIA (VC)
ITALY

Phone: +39 0163 54446
Fax: +39 0163 54226
E-mail: mail@turlo.it
Web site: www.turlo.it
P.IVA: IT 00170930028



GITAL
GILDEMEISTER AS20 GS20 GM20 (AS16)

Apparecchiature e ricambi
Attachments and spare parts
Einrichtungen

Edizione catalogo / Catalogue issue: [GM20_0118](#)

Tutti gli articoli meccanici sono di produzione della TURLO S.r.l.
All the mechanical parts in this catalogue are made by TURLO S.r.l.



GILDEMEISTER **AS16 AS20 GS20 GM20**



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



GILDEMEISTER AS16 AS20 GS20 GM20

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



08.10.501

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

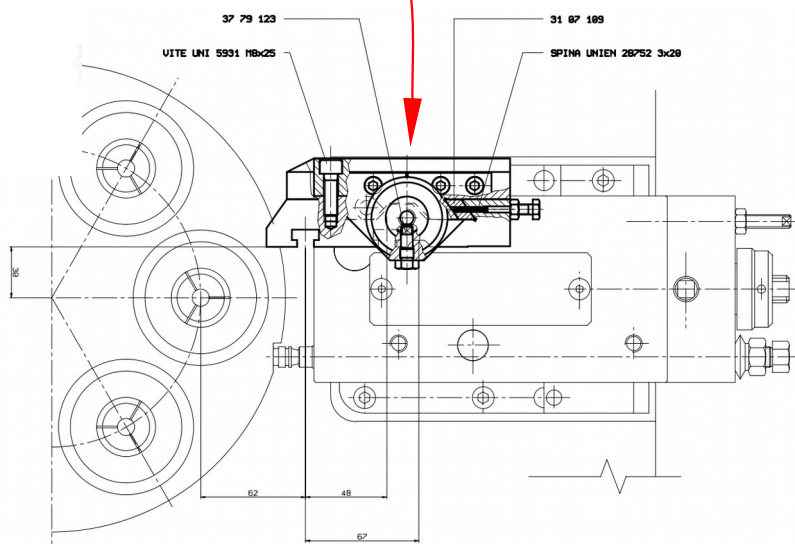
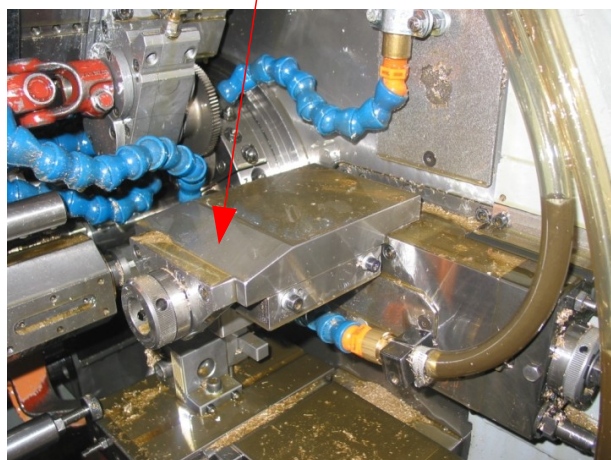
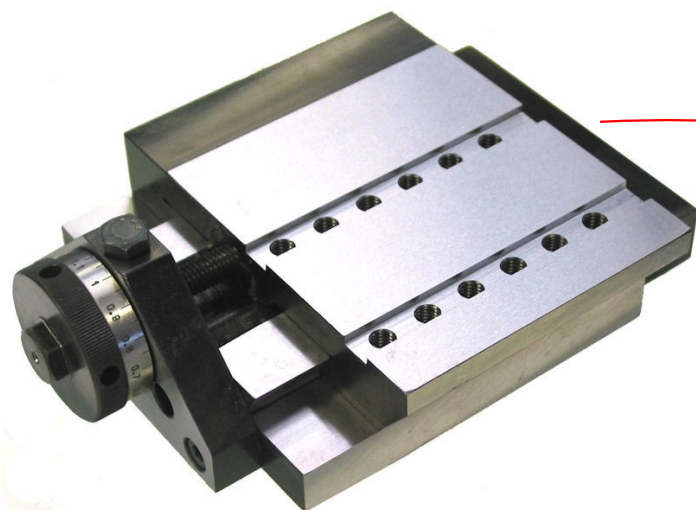


GILDEMEISTER
AS16 AS20 GS20 GM20

31.07.007 (SC4552048)

SLITTA PER POS.3 CON REGISTRAZIONE ASSIALE

POS.3 SLIDE WITH MICROMETER LONGITUDINAL ADJUSTMENT



PORTAUTENSILE STANDARD PER CARRI TRASVERSALI
STANDARD TOOL-HOLDER FOR CROSS SLIDES



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

Prolunga ISO30-ER20
ISO30-ER20 extended collet-holder

Convertitore portapinza:
Collet-holder:

ISO30-ER32
ISO30-ER25
ISO30-ER20



GILDEMEISTER
AS20 GS20 GM20

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, smooth 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, smooth 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





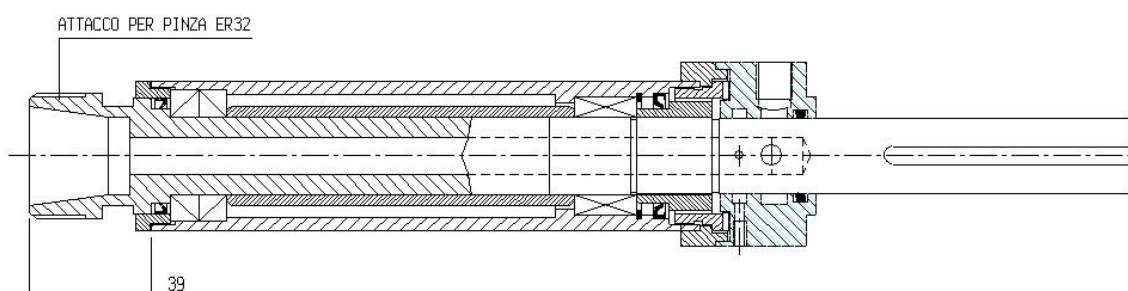
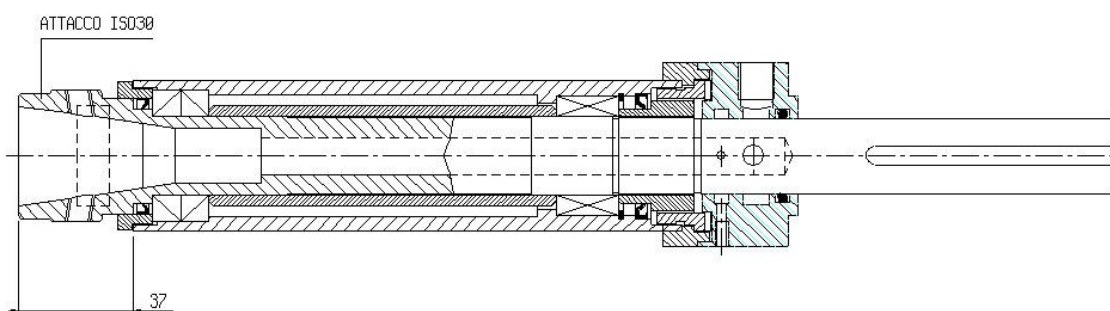
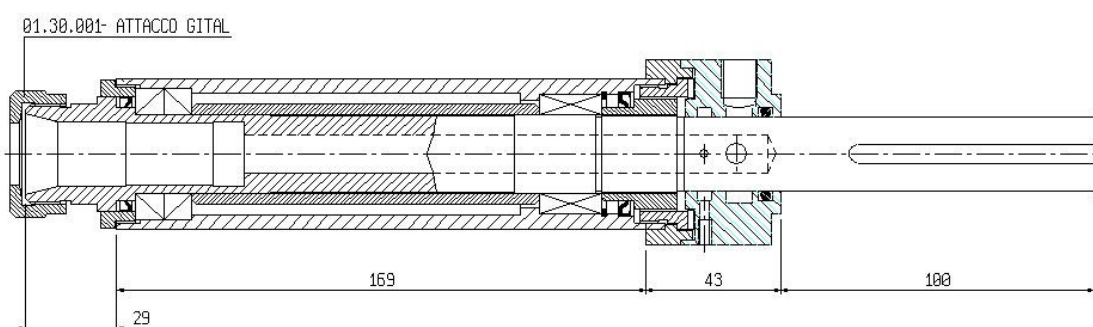
GILDEMEISTER
AS20 GS20 GM20

MANDRINI FRONTALI ROTANTI
ROTATING FRONTAL SPINDLE

TABELLA CODICI
CODE CHART

Codice TURLO / TURLO Code	Descrizione componente / Part description	Tipo gambo / Shank type		Macchina / Machine		Lubrif. interna / 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. inte 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

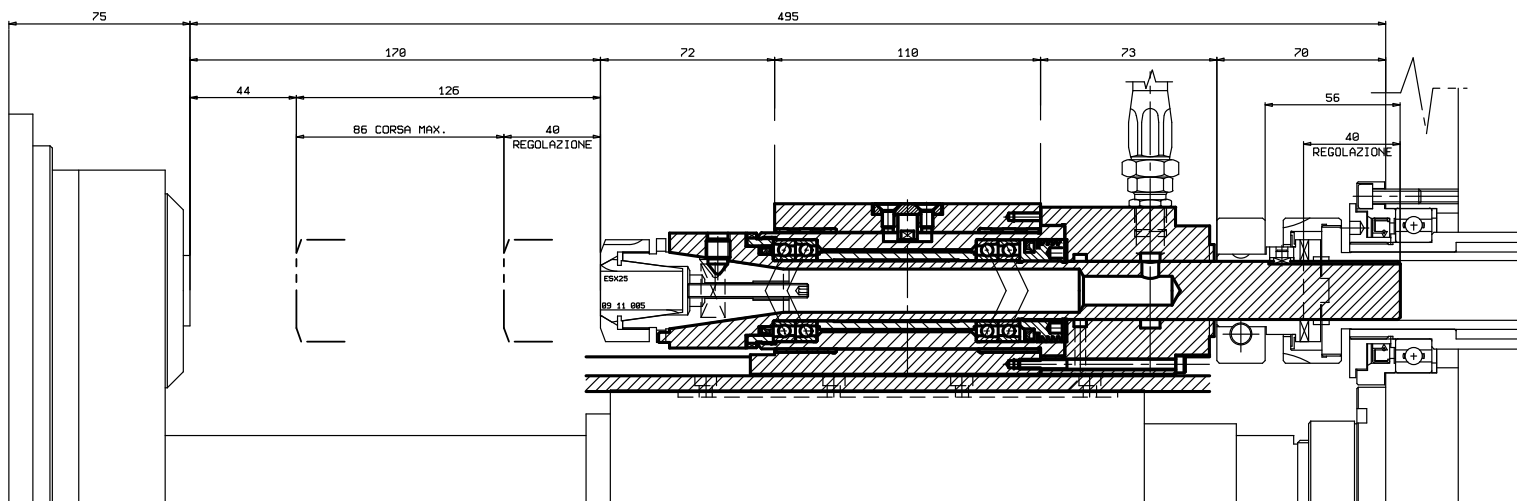
MANDRINO ROTANTE con lubrificaz. forzata interna alla punta
ROTATING SPINDLE with high pressure coolant through the drill



SC0552036

MANDRINO ROTANTE su coulisse con refrigerazione interna

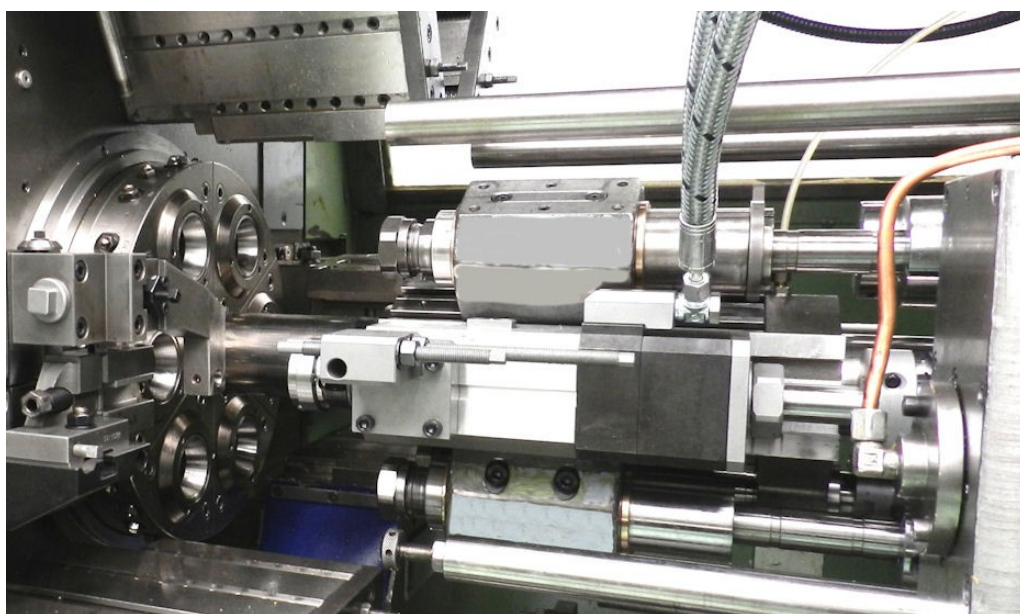
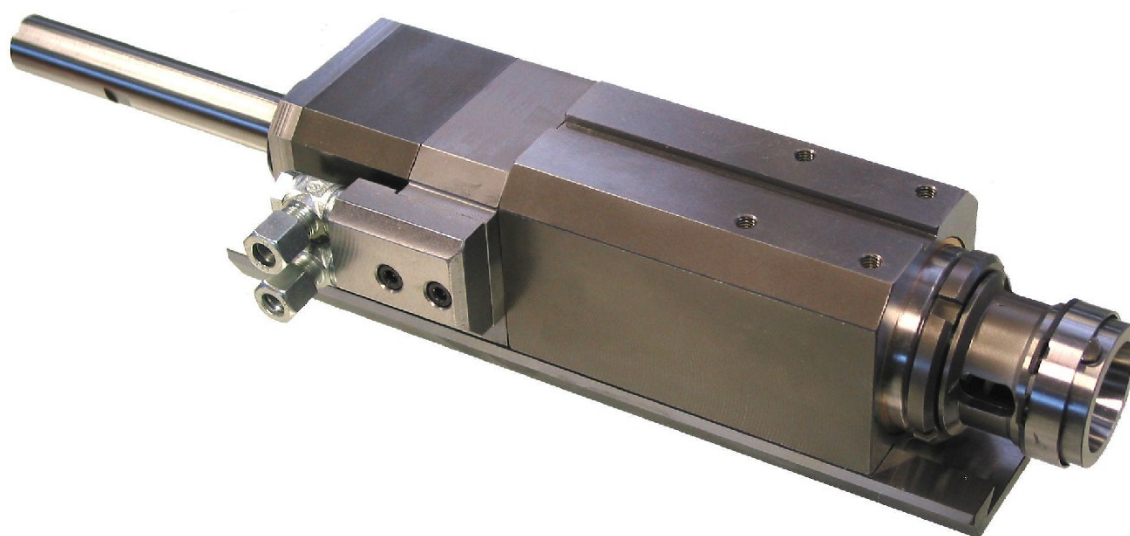
ROTATING SPINDLE on base with high pressure coolant through the drill





**GILDEMEISTER
AS20 GS20 GM20**

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



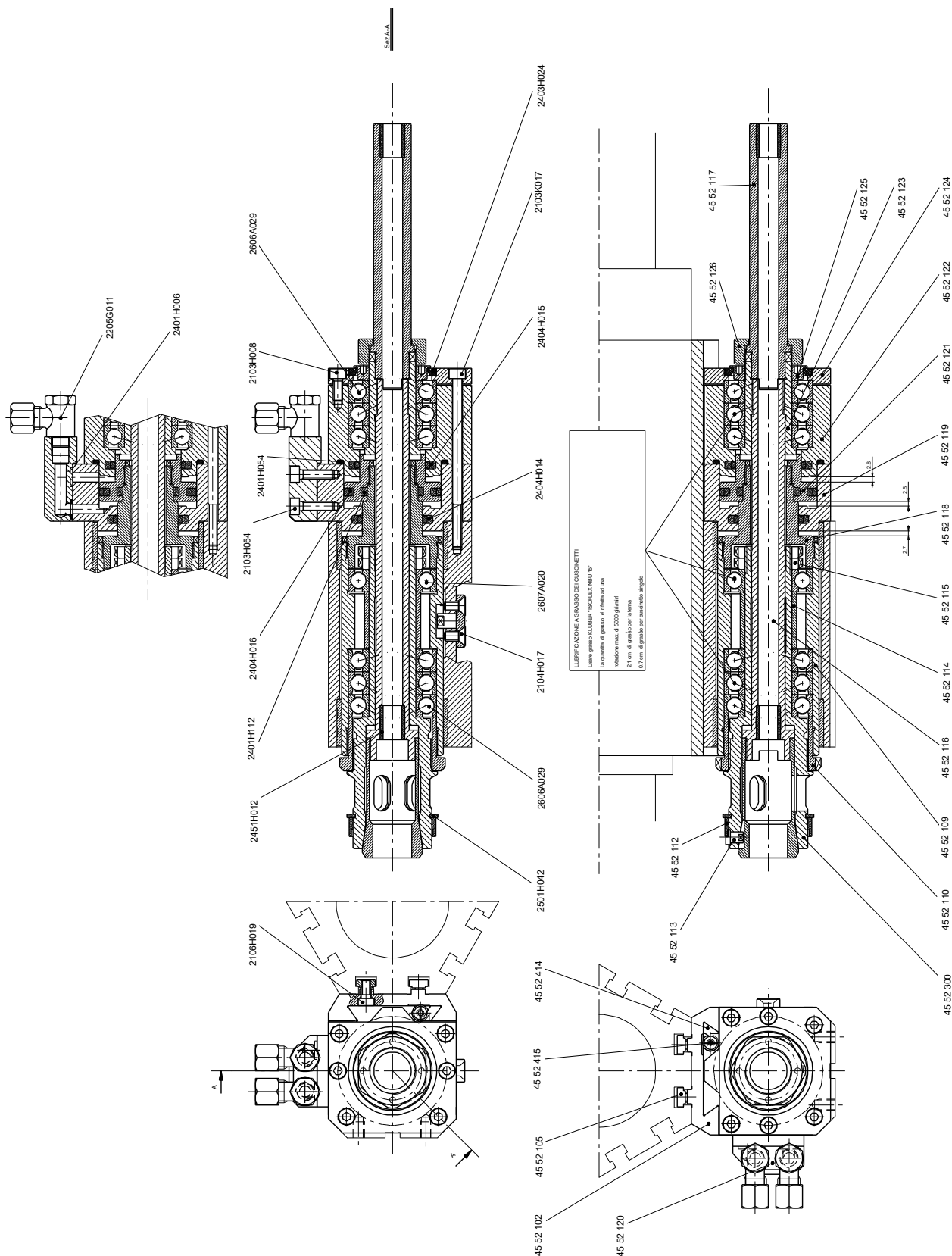
**FORNITURA COMPLETA NUOVA APPARECCHIATURA (richiedete pdf specifico o cliccate qui)
FORNITURE RICAMBI APPARECCHIATURE ORIGINALI
REVISIONI APPARECCHIATURE ORIGINALI**

**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





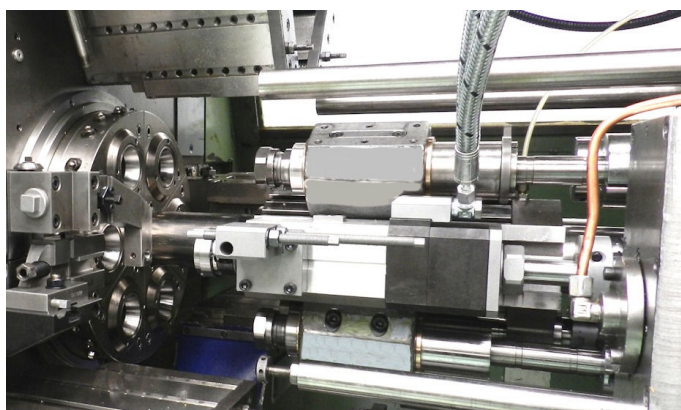
GILDEMEISTER
AS20 GS20 GM20

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

NEW PNEUMATIC



NUOVO PNEUMATICO

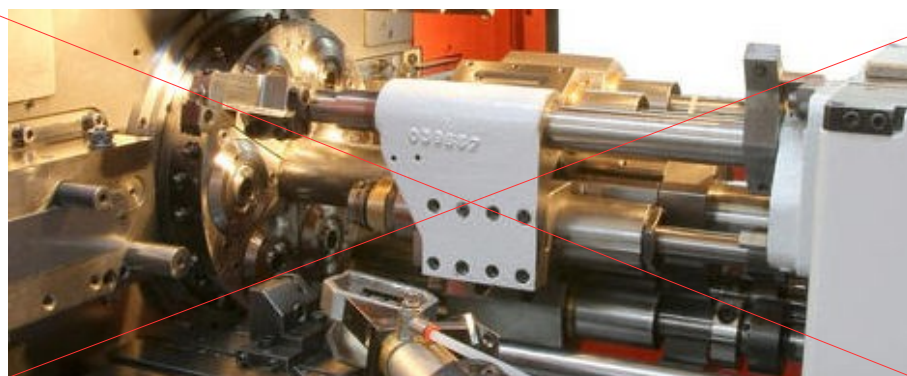


Questo apparecchio, con chiusura/apertura pinza azionate pneumaticamente, supera il modello originale pneumatico della Gildemeister in rigidità e robustezza, grazie allo scorrimento su slitta a coda di rondine, e garantisce una chiusura di circa 1,5 volte più forte (paragonabile a quella del modello 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

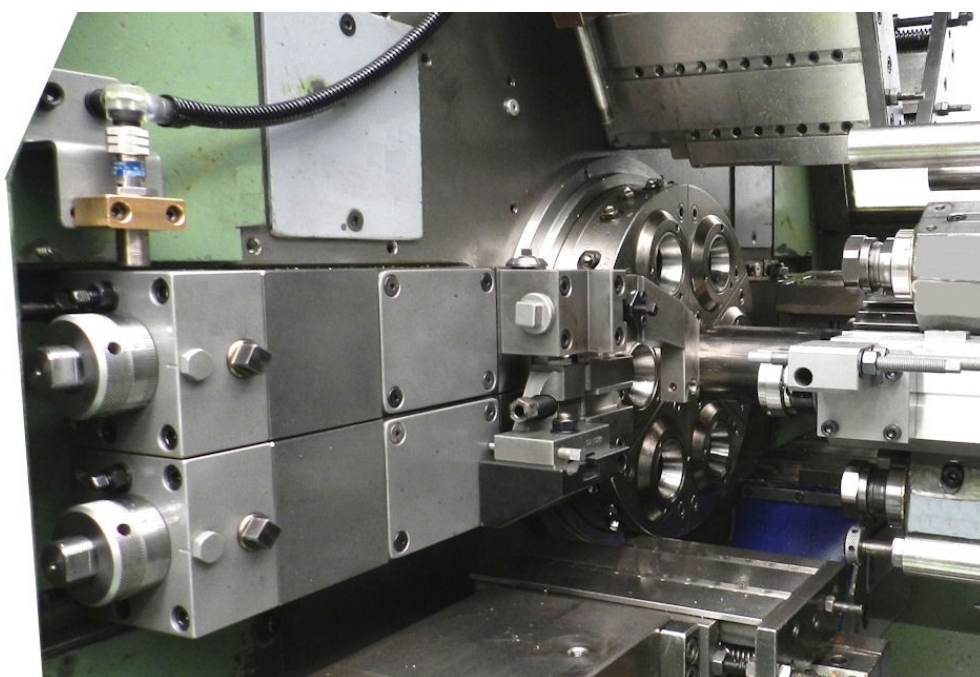
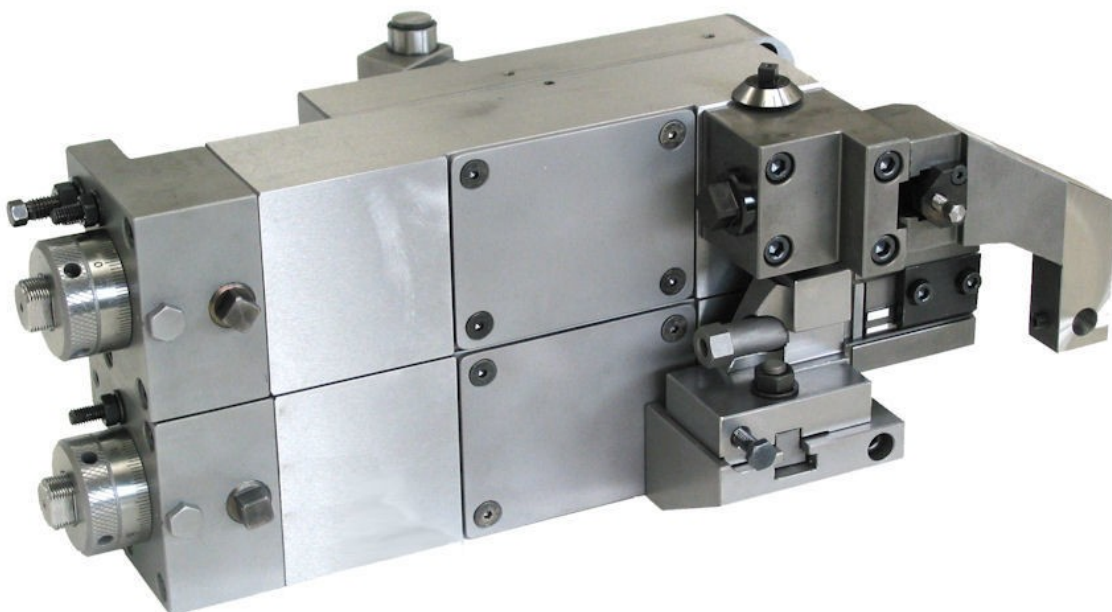
Compared with the recent Saco hydraulic pick-up, it has the same rigidity and strength with much quicker collet activation, and it does not need any expensive hydraulic unit to run.





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:

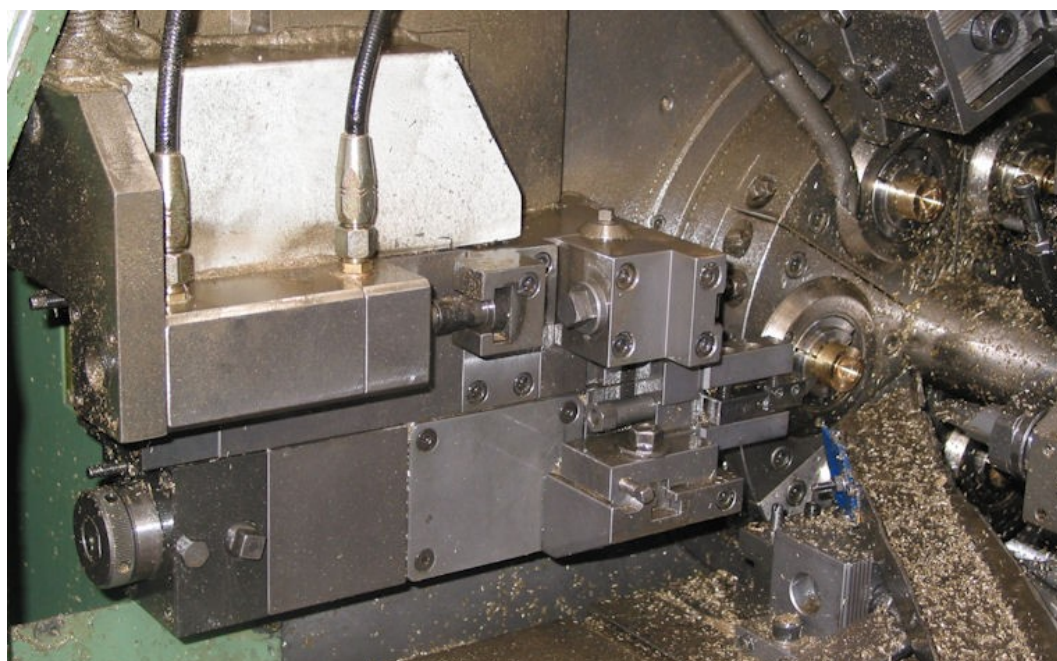
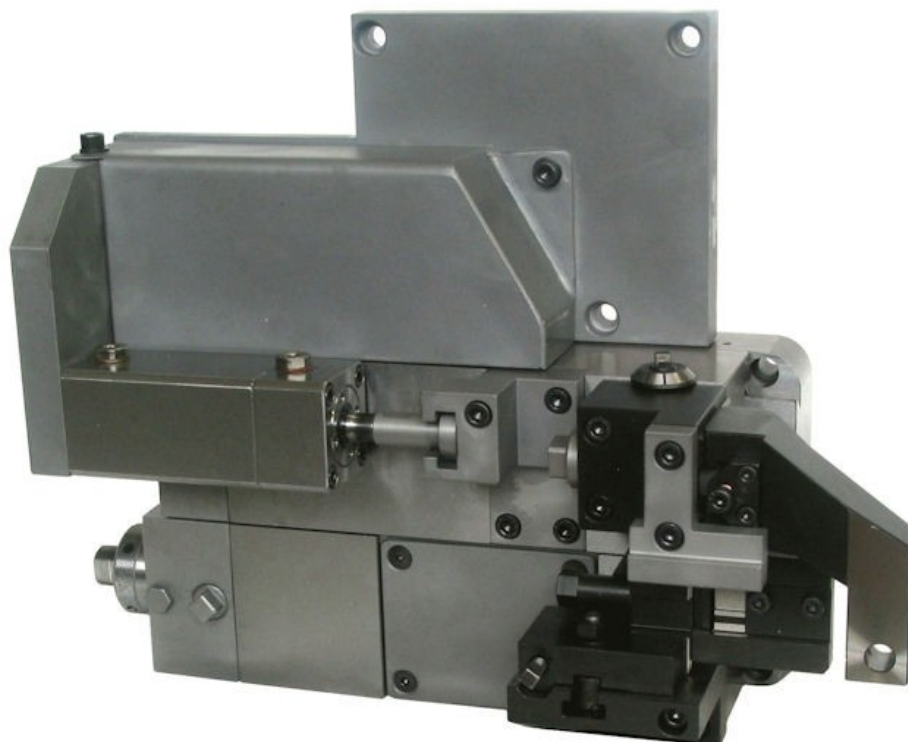
POS.6 AND POS.3 DOUBLE SLIDE :

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





GILDEMEISTER
AS20 GS20 GM20 GM32 GM35

FRONTAL MILLING ATTACHMENT
FRESATORE FRONTALE
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 $\pm 0,5\text{mm}$, senza più doverlo smontare
per sostituire i distanziali.

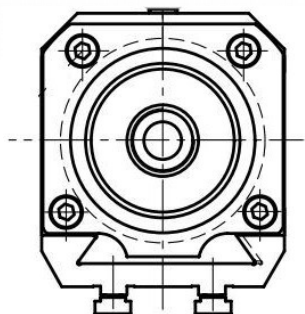
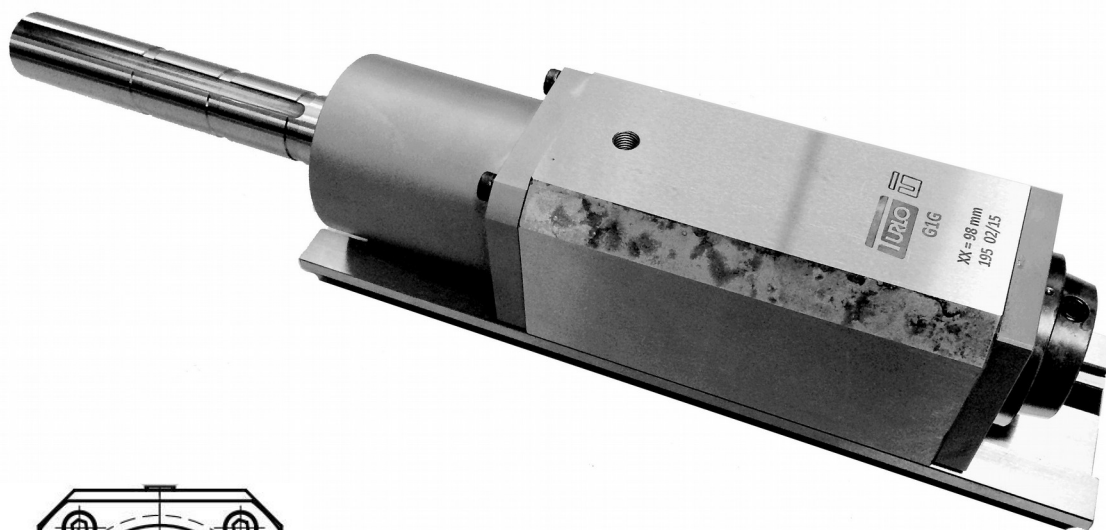
We can supply the complete new attachment, based on GR1 Saco model.
Every single part is interchangeable with original ones,
and that allows us to repair old original units with our spare parts.
We supply the latest model, in which it is possible to adjust the cross position of the milling disk,
without 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	$\pm 0,5\text{mm}$
- 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.

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

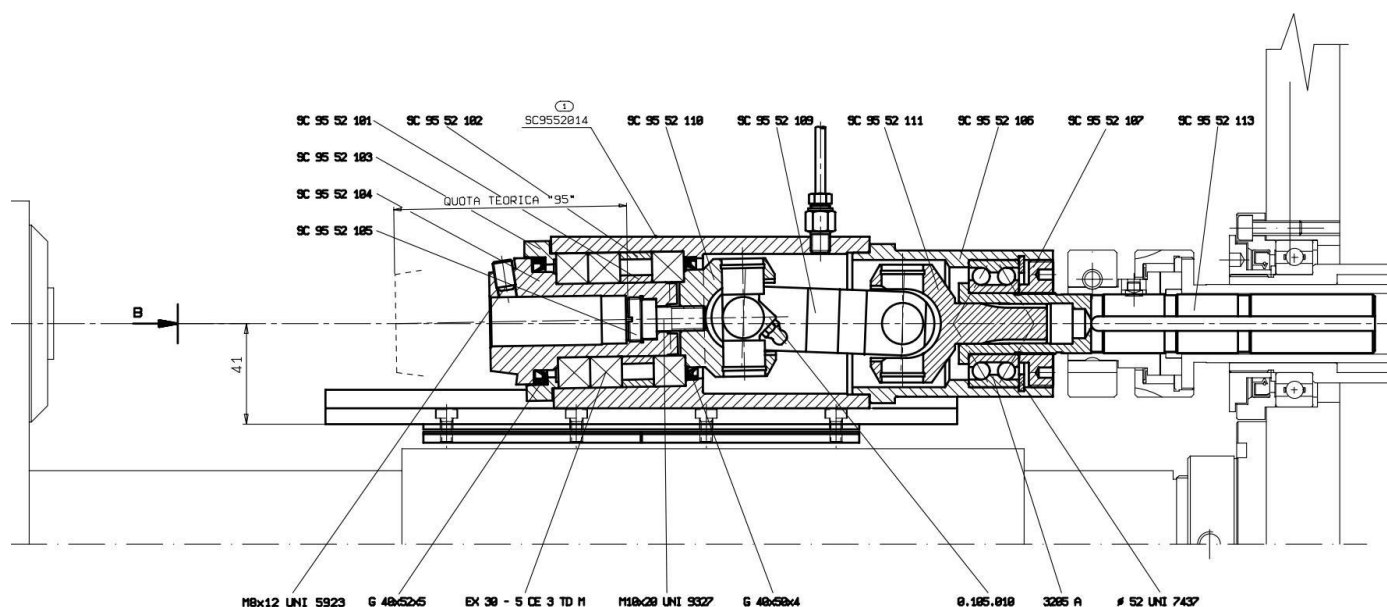


Caratteristiche tecniche:

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

Technical datas:

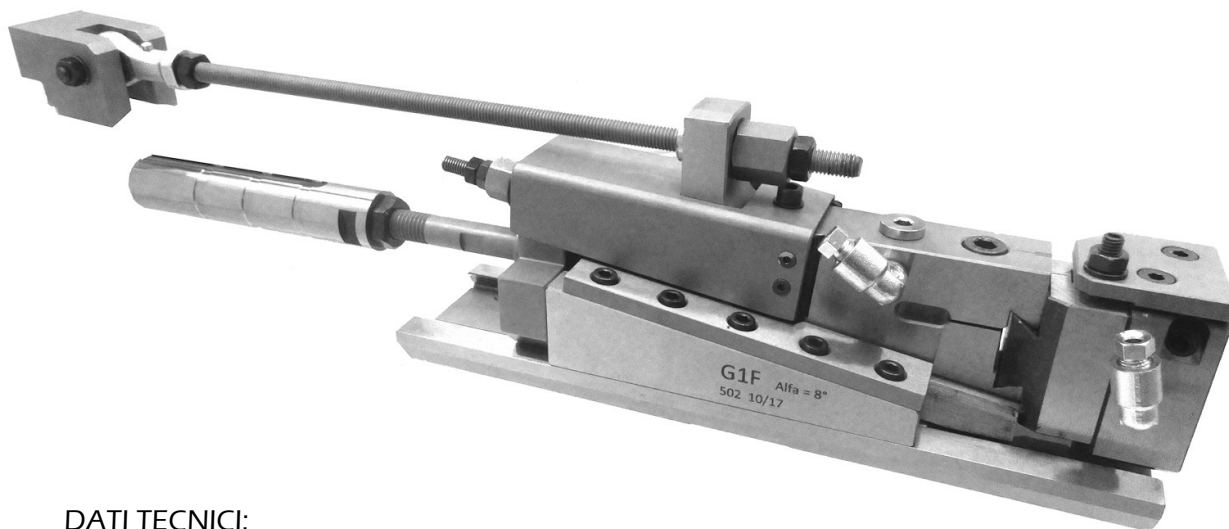
- wider base to increase rigidity
- bigger cross in the joints to transmit more power



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

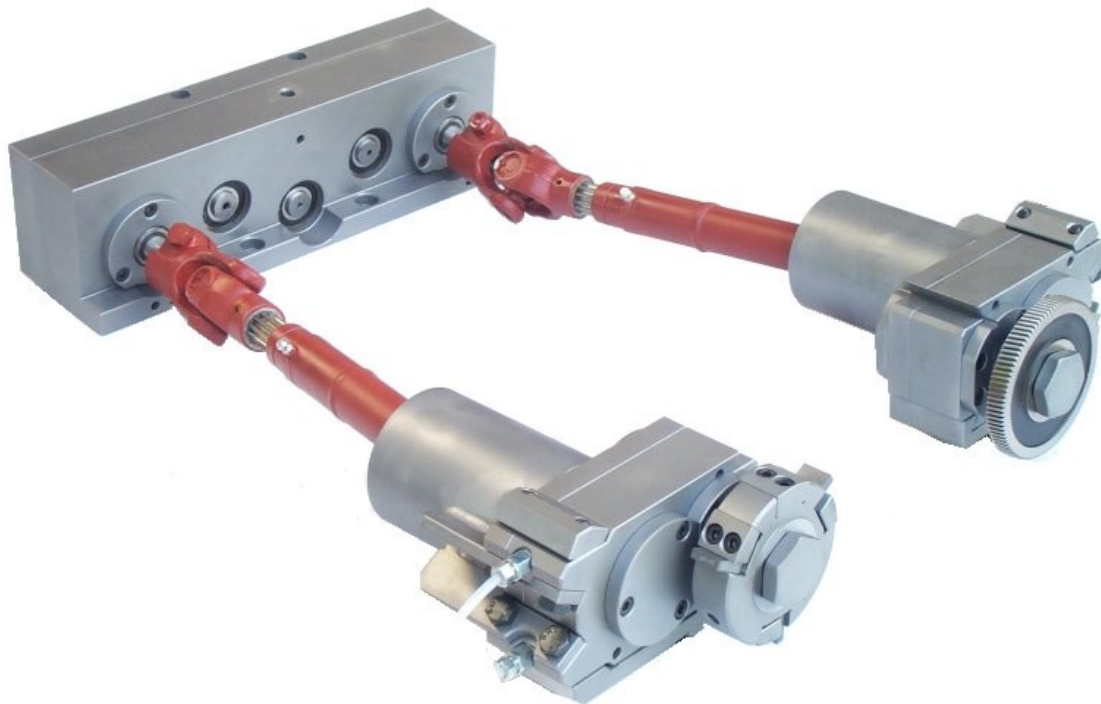
TECHNICAL DATA:

- Ramp inclination is 8° degree
- Tool Fitting = Ø16mm or Ø20 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 = Ø16mm oppure Ø20 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.

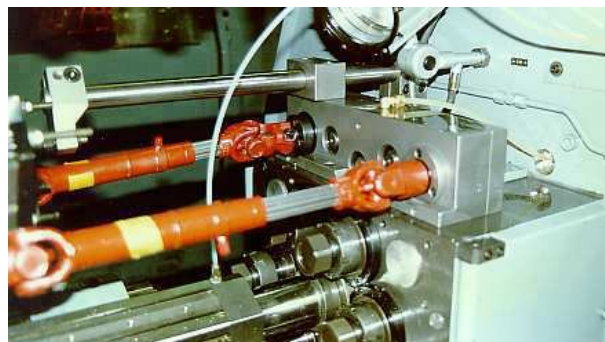
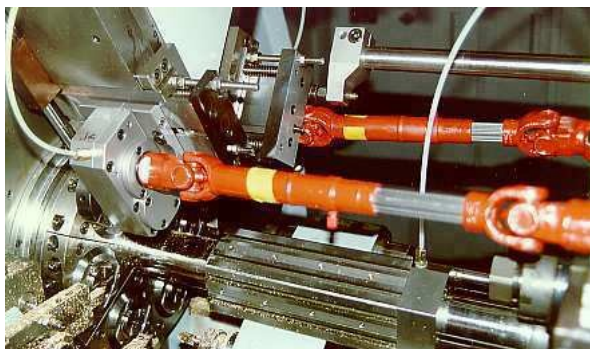
OPTIONAL PER APPARECCHIO FRESATORE DI POLIGONI E FILETTI

OPTIONAL FOR POLYGON GENERATING AND THREAD MILLING ATTACHMENT

OPTIONAL FÜR MEHRKANTDREH UND GEWINDEFRASEINRICHTUNG

SPINTA SPECIALE PER SLITTE ASSIALI POS.4-5

SPECIAL PUSHING SYSTEM FOR AXIAL SLIDES POS.4-5



SCATOLA PRESA-MOTO PER PETTINATORE SACO

DRIVING GEAR-BOX FOR THREAD-CHASING ATTACHMENT

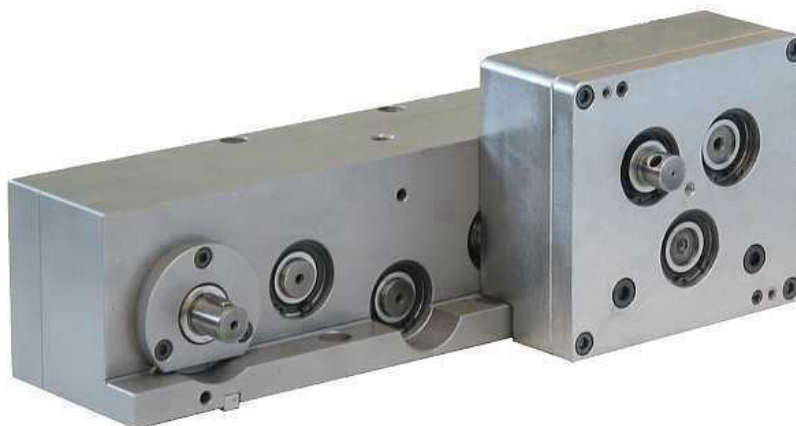
La scatola a ingranaggi G1D/6 è utilizzata per poter impiegare in pos. 4-5 il pettinatore Saco "GR.1" e contemporaneamente non smontare la nostra scatola Presamoto, che può continuare ad azionare una scatola a poligonare nella posizione non occupata dal pettinatore.

Oltre alla scatola siamo in grado di fornire le 2 coppie di ingranaggi da montare all'interno per ottenere i vari tipi di filetto.



G1D/6

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

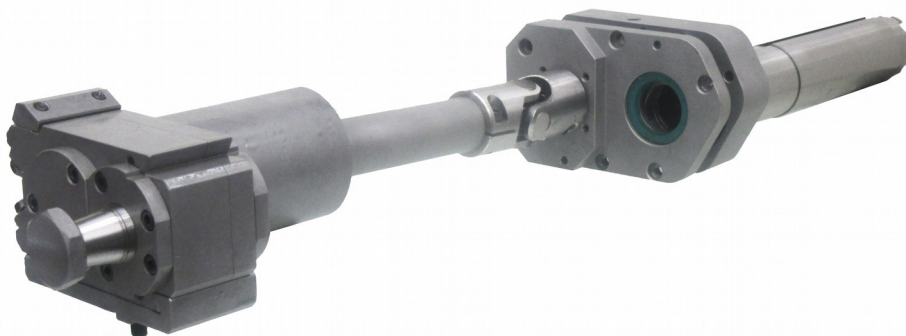


POLYGON AND THREAD-MILLING ATTACHMENT in pos.2

APPARECCHIO POLIGONATORE-FRESAFIETTI in pos.2

MEHRKANTDREH UND GEWINDEFRASEINRICHTUNG in pos.2

POLIGONADOR / FRESADOR DE ROSCAS in pos.2

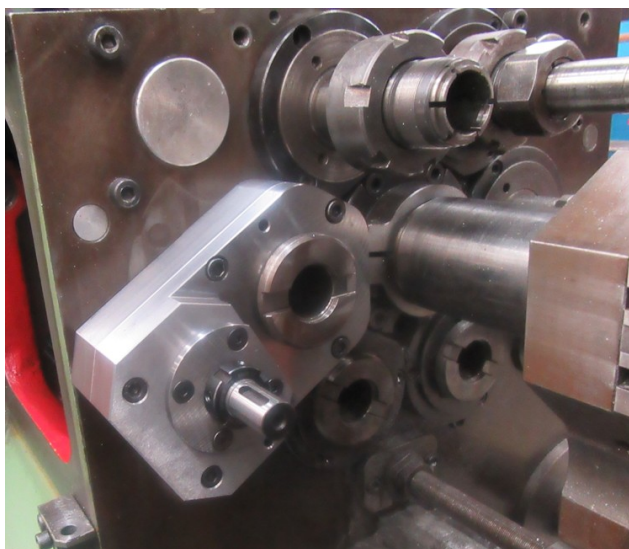


Caratteristiche tecniche:

- la scatola di rinvio si monta in pos.3 mentre la testa a poligonare va montata sul carro in pos.2
- è possibile continuare ad utilizzare la stazione 3 per forare, impiegando un mandrino speciale.
- nella scatola di rinvio una coppia di ruote elicoidali garantiscono una trasmissione senza giochi
- possiamo fornire teste con rapporto 1:2 per poligonare oppure con rapporto 1:1 per fresare filetto
- le nostre tradizionali teste per la pos.4-5 sono impiegabili in pos.2 con questa presa di moto.

Technical datas:

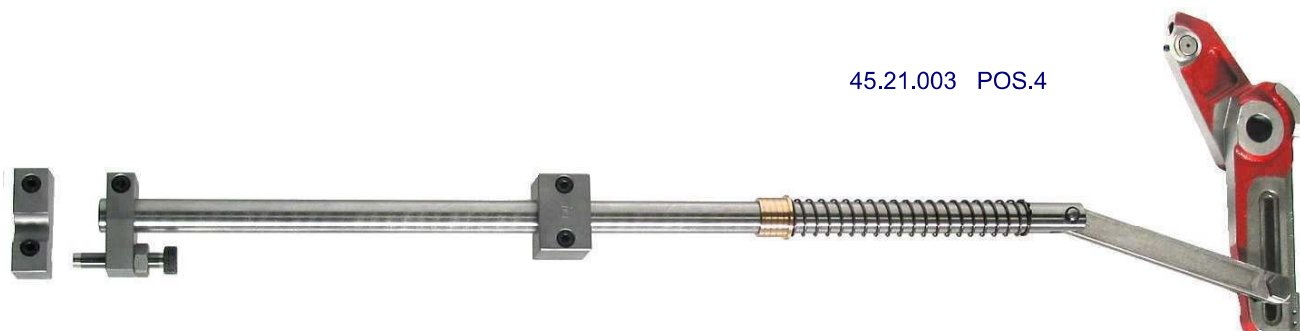
- the driving gear-box has to be placed on pos.3, instead the tool-head is going on pos.2 cross slide
- it is possible to keep doing frontal drilling operation in pos.3 by using our special tool-spindle
- a pair of elicoidal gears in the driving gear-box allows a low play transmission of the motion
- we can supply tool-head with 1:2 ratio to make polygon-milling or with 1:1 ratio to make thread-milling
- our traditional pos.4-5 tool-heads are good to be used in pos.2 with this kind of driving



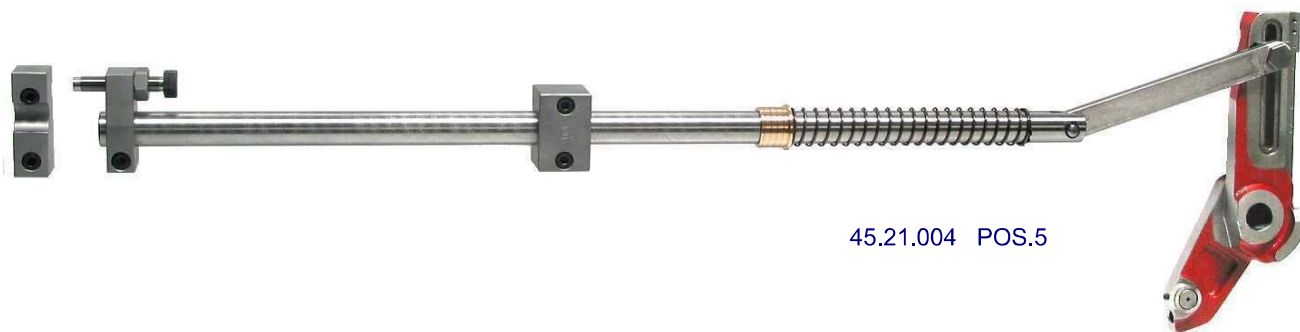


GILDEMEISTER
AS16 AS20 GS20 GM20

45.21.003 POS.4

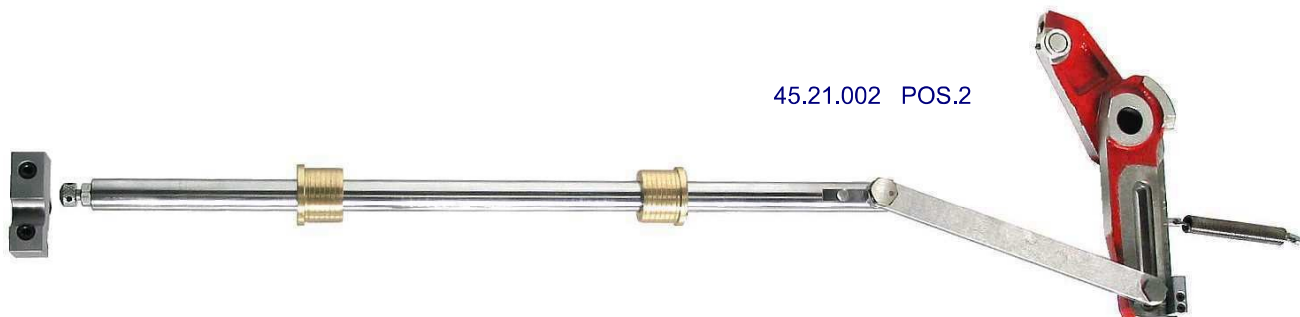


45.21.004 POS.5

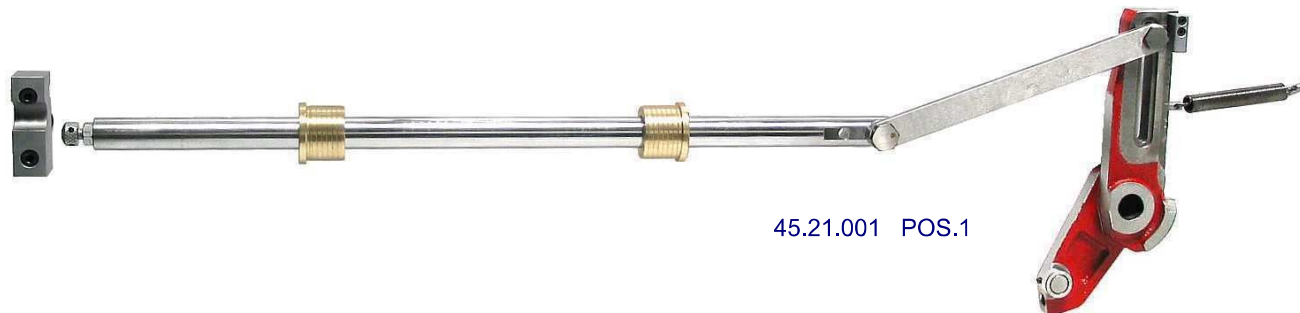


OPTIONAL :
COMANDO SPINTA ASSIALE COMPLETA
PUSHING SET FOR AXIAL SLIDES

45.21.002 POS.2



45.21.001 POS.1



OPTIONAL :

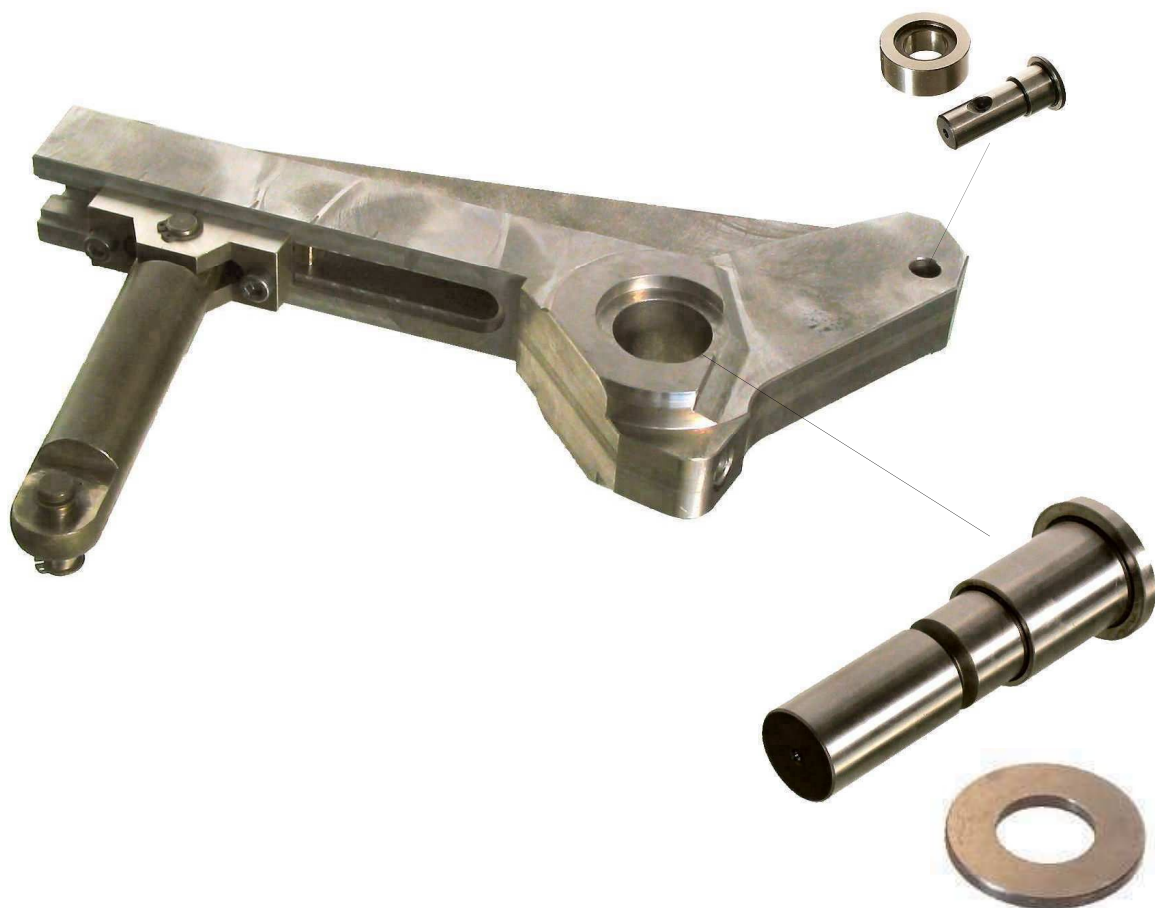
VARIANTE PASSAGGIO BARRA 25mm
25mm MODIFIED BAR FEEDING





GILDEMEISTER
AS16 AS20 GS20 GM20

OPTIONAL: 31.27.001 COMANDO SUPPORTO CENTRALE
CENTRE BLOCK MOVING SET



MANDRINO DA RIPRESA PNEUMATICO
PNEUMATIC PICK-OFF SPINDLE

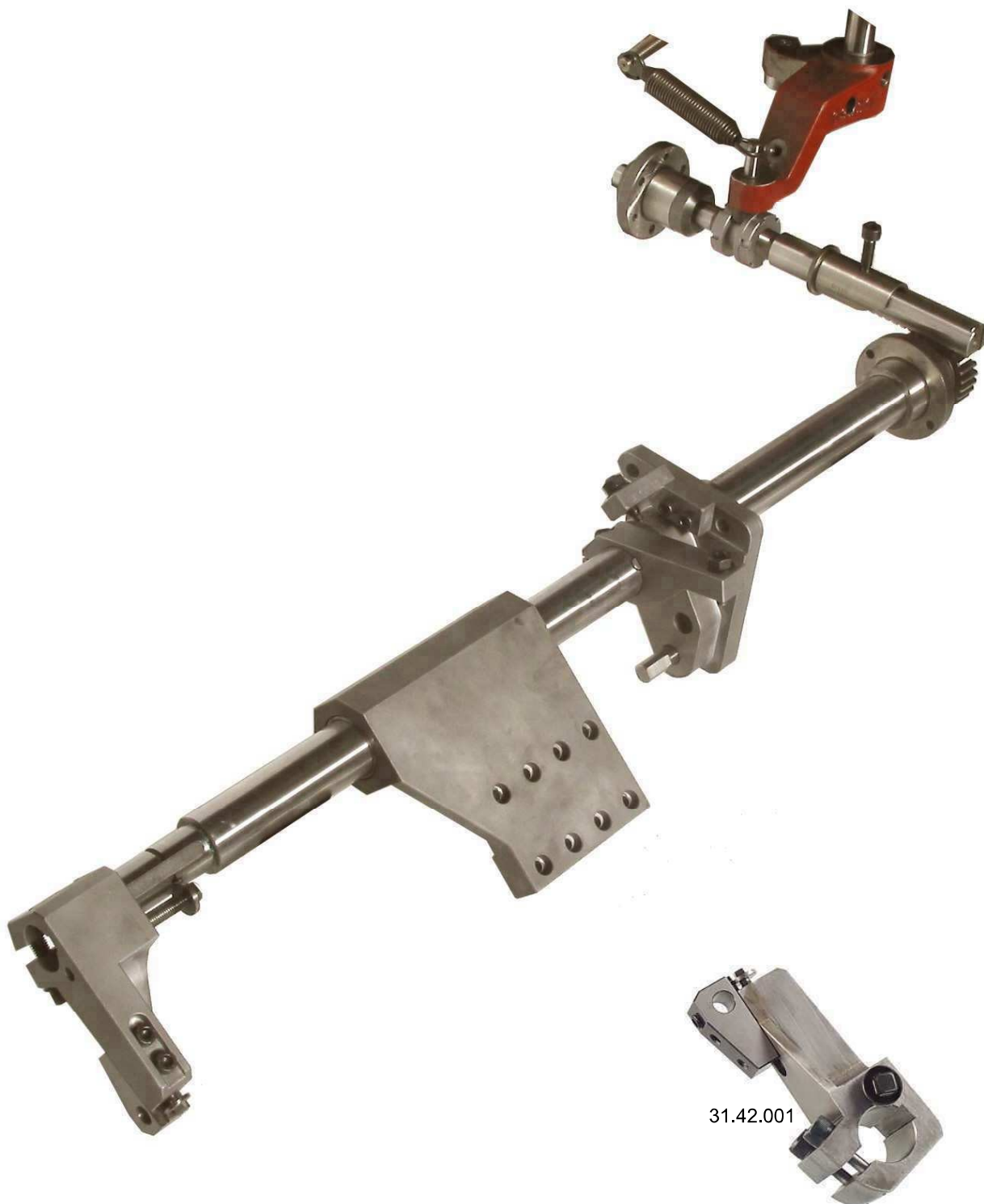




GILDEMEISTER
AS16 AS20 GS20 GM20

OPTIONAL : 31.42.101

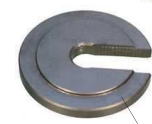
BRACCIO CON COMANDO INDIPENDENTE POS.6



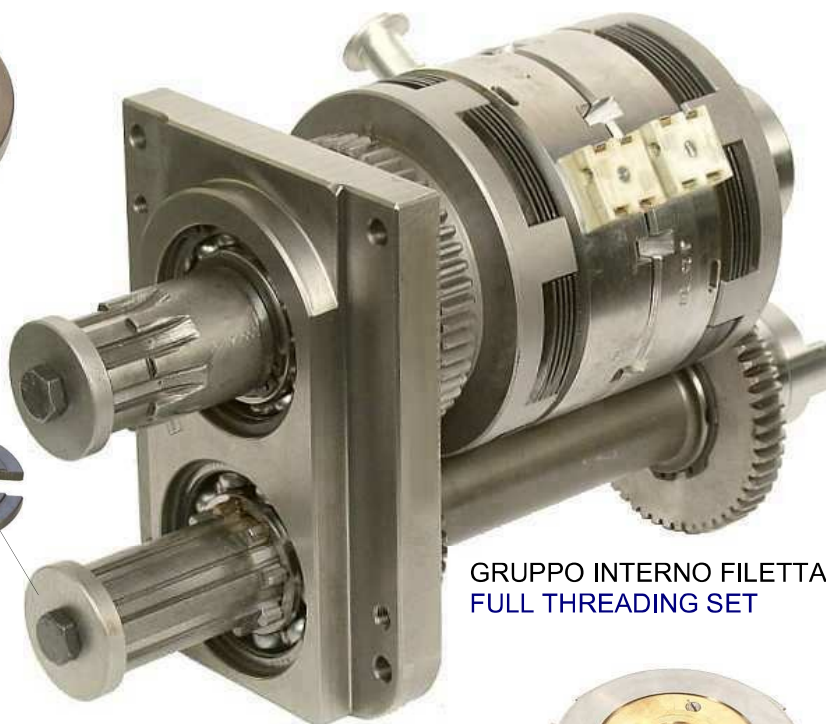
08.10.201



08.10.202



08.10.002



GRUPPO INTERNO FILETTATORE
FULL THREADING SET



15.17.017

20mm



08.10.039

12mm



14.17.201



08.10.203 Ortlinghaus



14.17.001



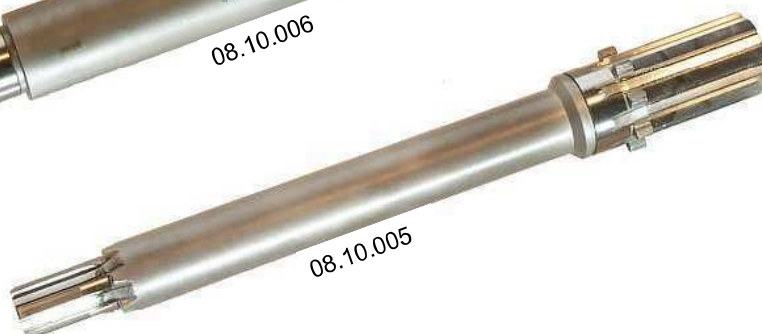
08.10.020



08.10.001



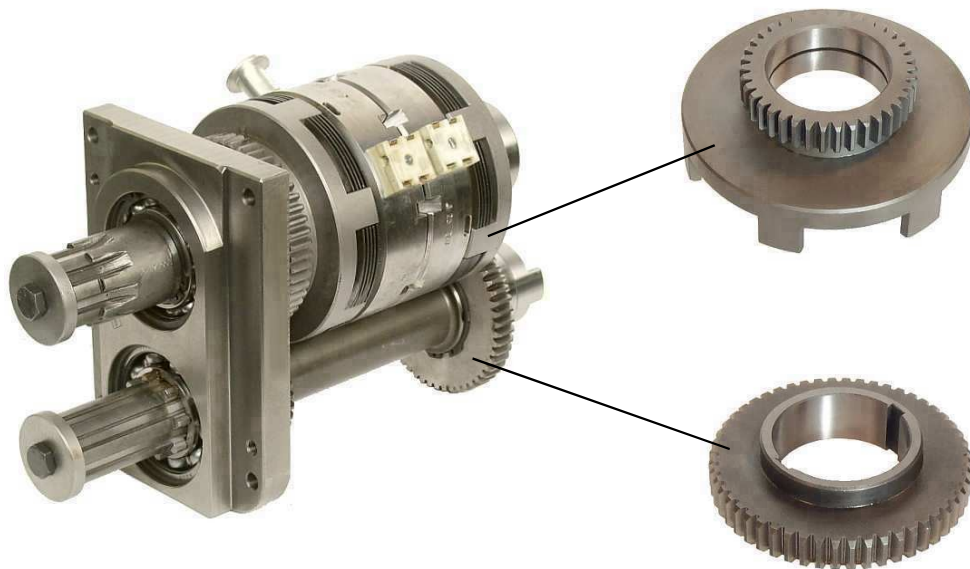
08.10.006



08.10.005



05.13.021



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)

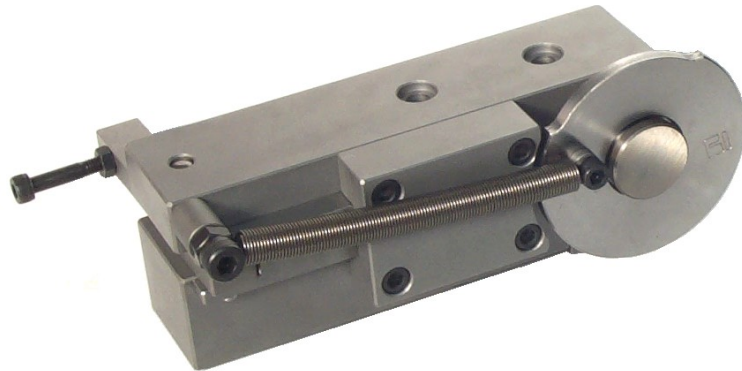
Off-speed = +3.15

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.

**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.

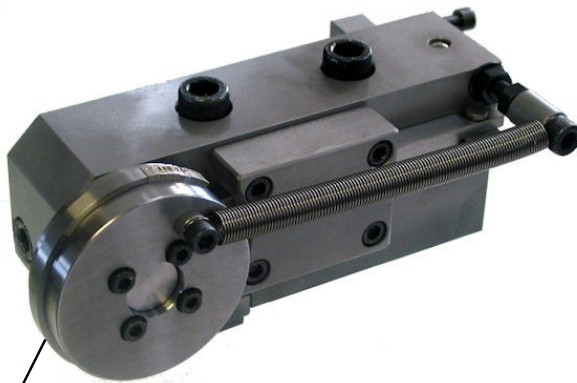
With our attachment on, the cross slide moves forward till the engraved disk hits the component. Because of the friction between them, the disk starts to turn and mark the component. After one rotation engraving is over and a locking pin stops the disk in a special position, where it cannot touch the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



20093605



20096303

(senza anello)



20096305

(con anello montato)

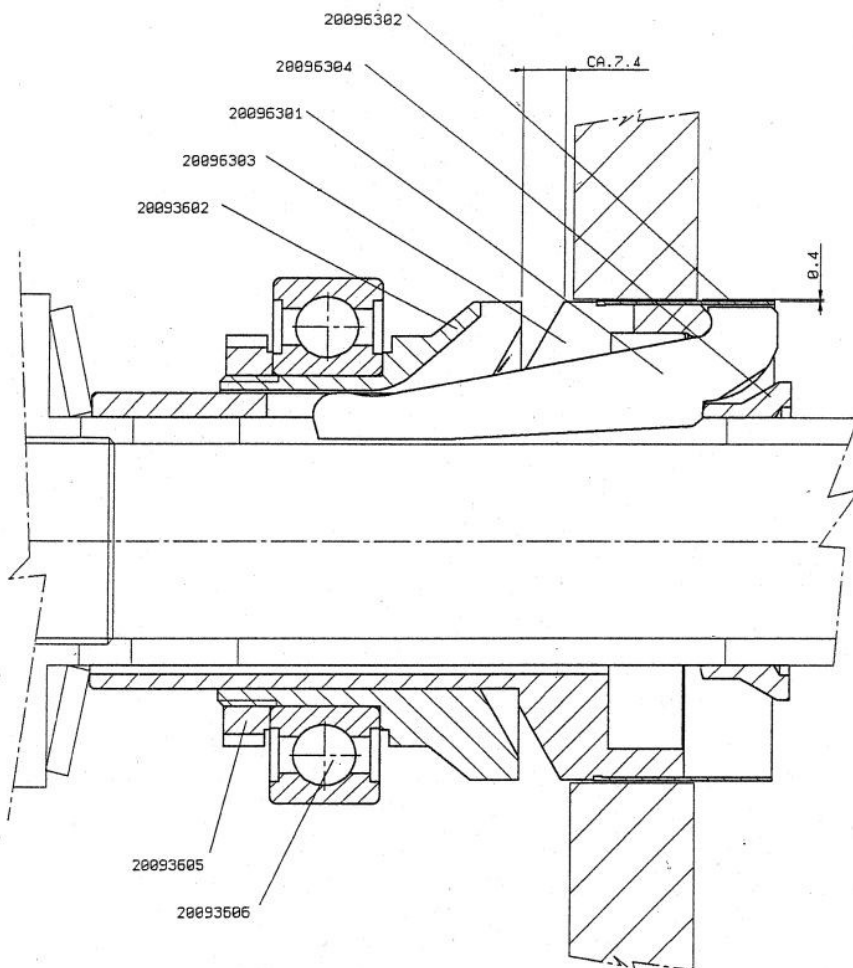


20093602



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





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

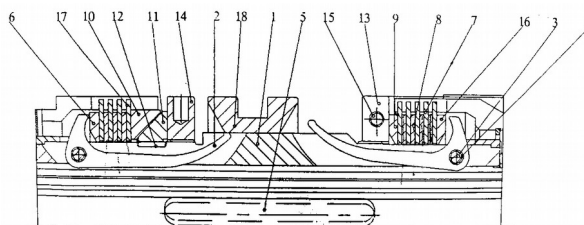
08.01.015



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





GILDEMEISTER AS16 AS20 GS20 GM20





**GILDEMEISTER
AS16**



08.14.013



08.47.028
(08.47.006)
(08.47.021)

PICK-UP AS16

08.47.027
(08.47.005)
(08.47.020)



08.58.355



GILDEMEISTER AS16 AS20 GS20 GM20





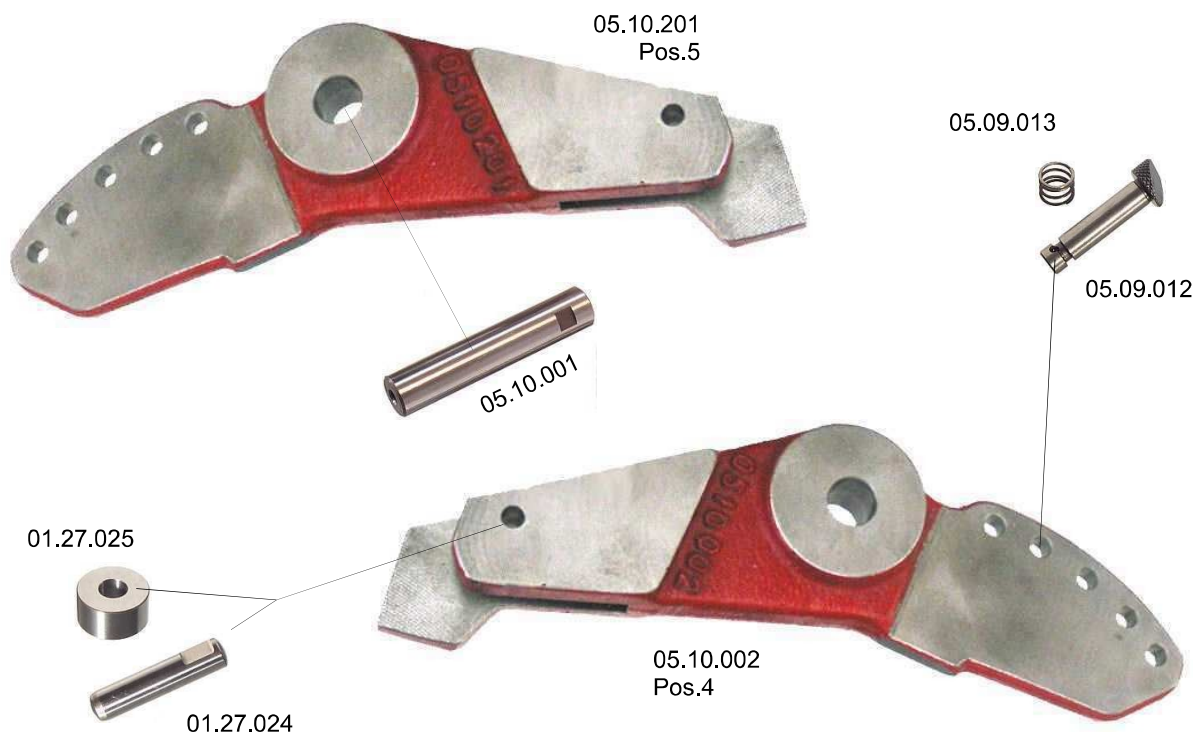
GILDEMEISTER AS16 AS20 GS20 GM20



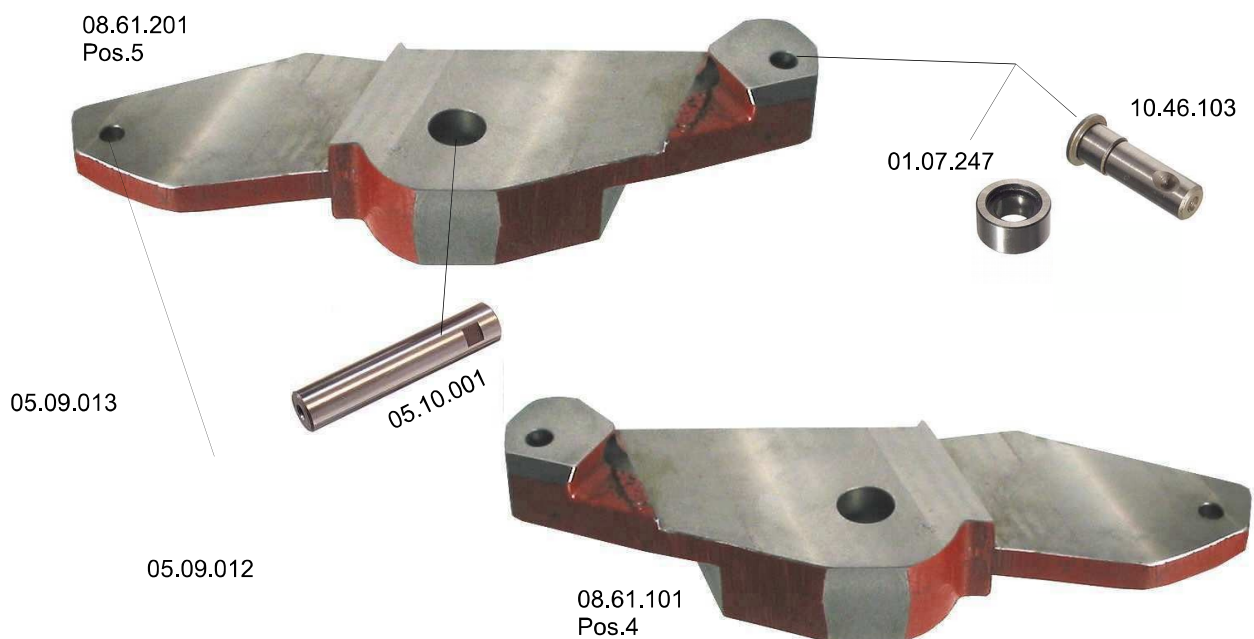
CARRI RADIALI - CROSS SLIDES LEVERS



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



15.21.108



15.21.109



15.22.001



17.01.513



15.21.106



08.40.019



15.21.107



05.25.654



06.07.009



15.21.305

Ø20



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



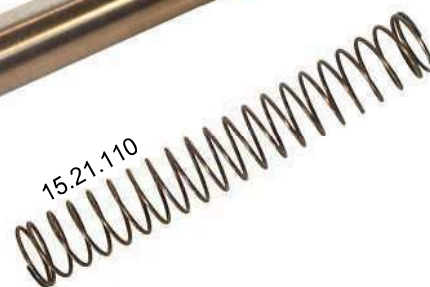
15.21.102 pos. 4-5



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

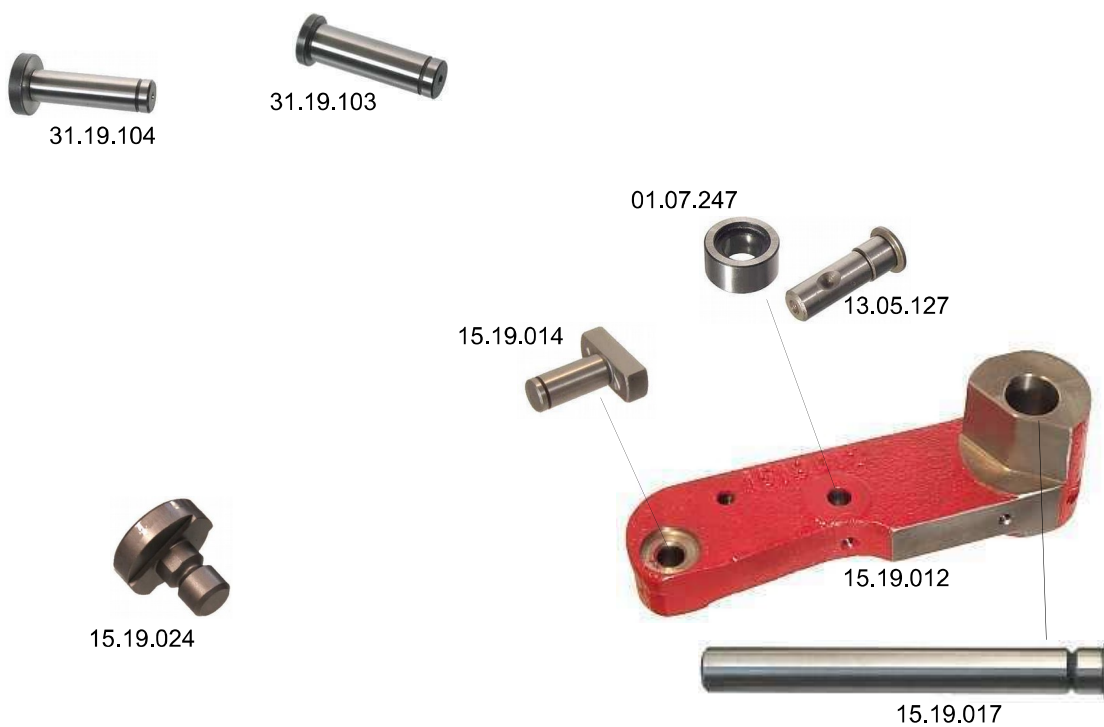
15.21.103
pos. 4-5



11.09.101



GILDEMEISTER
AS16 AS20 GS20 GM20









GILDEMEISTER
AS16 AS20 GS20 GM20



15.03.001



08.26.102



05.03.021



01.06.608



01.06.609



01.06.612

01.06.606



05.03.010



14.03.003



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





GILDEMEISTER
AS16 AS20 GS20 GM20



VOGEL MFE5



VOGEL 34-34



VOGEL 34-24



**OPTOACCOPIATORE
MOF5**

