

TAV Digital Angle Heads

FH



HT



BAH



VH



TA.CP



TSI/TSX



TA



T



MO



MT-TC-TC3



Made in Italy

Sistemi di foratura
Sistemi di foratura
Sistemi di foratura

L'azienda O.M.G. Srl è lieta di presentare in questa unica soluzione grafica tutti i suoi prodotti, interamente progettati e costruiti al suo interno.

Chi ci conosce da un po' di tempo avra' potuto notare l'evoluzione tecnica e strutturale di cui l'azienda è protagonista.

La nostra ampia gamma di prodotti si è ampliata e migliorata:

- **serie TA**, teste ad angolo
- **serie MO**, moltiplicatori di giri
- **serie HT**, torrette a revolver
- **serie VH**, teste multiple ad interassi variabili
- **serie TSI-TSX**, teste multiple per spuntatura ingranaggi
- **serie T**, teste multiple a giunti universali
- **serie MT, TC, TC3, TFS** esecuzioni speciali studiate e personalizzate per le più svariate applicazioni.
- **serie BAH**, teste ad angolo per grosse asportazioni studiate per l'industria militare, navale, aerospaziale ecc.
- **serie TA_CP**, teste ad angolo "Light Duty" studiate per contenere peso e costi.
- **serie FH**, teste a sfacciare studiate e realizzate per essere applicate su macchine utensili a CN.

È una dichiarazione d'intenti, l'esplicitazione della nostra mission: creatività e consulenza tecnica al servizio del cliente per aiutarlo a migliorare la propria produttività, affidabilità del servizio pre e post vendita con la garanzia di un'assistenza tempestiva e una sempre maggiore puntualità nelle consegne.

Ringraziamo con l'occasione tutti i clienti che hanno scelto i prodotti O.M.G., contribuendo così all'evoluzione degli stessi; un gradito benvenuto a tutti quelli che si rivolgeranno con fiducia a O.M.G., certi di avere un'azienda attenta alle singole esigenze e partecipe nelle più diverse attività produttive.

Un po' di storia.

L'azienda O.M.G. nasce negli anni '60 come laboratorio di piccole dimensioni specializzato nella progettazione e fabbricazione di teste multiple. La produzione era indirizzata, allora, verso tre prodotti: mandrini a maschiare, teste multiple a giunti universali e teste multiple ad assi variabili.

In seguito, sintonizzandosi con la grande evoluzione dell'industria metalmeccanica, anche l'azienda O.M.G. cresce e si sviluppa, partecipando alla diffusione di nuovi prodotti con le proposte più innovative e d'avanguardia in questo settore di ricerca e produzione.

Le tecnologie d'avanguardia nei processi produttivi e l'impiego di nuove tecniche computerizzate firmano la notorietà e l'immagine del marchio O.M.G.; un nome diffuso e conosciuto da tutte le aziende, piccole e grandi, un'immagine mai smentita ma sottolineata nelle numerose campagne pubblicitarie realizzate.

***Ringraziamo per l'attenzione,
O.M.G. Srl***



O.M.G. Srl is pleased to present, in a single graphic solution, its entire range of products, all designed and built inside its production facility. Those of you who have known us for some time will be well aware of the technical and organizational evolution that distinguishes our company.

Our range of products has been extended and upgraded:

- **series TA**, angle heads
- **series MO**, spindle speeders
- **series HT** revolver turret heads
- **series VH**, variable centre distance multispindle heads
- **series TSI-TSX**, gear chamfering multispindle heads
- **series T**, universal joint multispindle heads
- **series MT, TC, TC3**, TFS special executions studied and customized to satisfy the most different applications.
- **series BAH**, angle heads suitable for heavy machining studied for military industry, naval industry, aerospace industry, etc.
- **series TA_CP**, "Light Duty" angle heads studied to limit weight and costs.
- **series FH**, facing heads, a new choice for the market, studied and realized to be applied on CNC machine tools.

Our mission involves a declaration of intent: creativity and technical advice at the service of customers to enable them to upgrade their output and their before and after-sales service reliability through prompt assistance and increasingly more punctual delivery.

Allow us to take this opportunity to thank all those customers who have chosen O.M.G. products, thereby contributing to their evolution; a warm welcome too to those who turn with confidence to O.M.G. , a company that caters for individual requirements and is involved in a range of different manufacturing activities.

O.M.G. history

O.M.G. was established in the 1960s as a small workshop specialised in designing and manufacturing multispindle heads. At that time, production centred on three products: tapping spindles, adjustable joint multispindle heads and variable centre distance multispindle heads.

Later on, in line with the evolution of the mechanical engineering industry, O.M.G. expanded and developed, taking part in the diffusion of new products with innovative and cutting-edge proposals for this research and production sector.

The cutting-edge technologies employed in the manufacturing processes and the use of new computerised methods resulted in the O.M.G. brand name and image becoming widely known to small and large companies alike, an image sustained by a long series of advertising campaigns.

***Thank you for your attention,
O.M.G. Srl***





TAV[®]

DIGITAL



Nuovo standard nelle teste ad angolo variabile.

La serie TAV si propone ora con un display per la visualizzazione dell'inclinazione del mandrino. La facilità di utilizzo, la precisione del sistema, l'ingombro estremamente ridotto consentirà agli utenti di registrare direttamente in macchina l'angolo della lavorazione che la Testa ad Angolo Variabile deve eseguire sul pezzo in modo semplice ed efficace.

Oggi sono disponibili i tre principali modelli di Teste ad Angolo Variabile: TAV10, TAV13 e TAV20.

Lo sviluppo di questa soluzione verterà presto trasportata a tutta la famiglia delle Teste ad Angolo della serie TAV.

New standard system on TAV adjustable angle heads.

The TAV series is now being enhanced with a display to check the spindle angle inclination. Both the user-friendliness and the precision, as well as the extremely reduced footprint of this new system, will allow the users to easily and effectively set the adjustable angle head directly on the machine prepared to machine pieces.

*Nowadays the three major adjustable angle head models are available:
TAV10, TAV13 and TAV20.*

And this new solution will be soon available on the whole range of TAV angle heads.

TAV10.P



caratteristiche/features



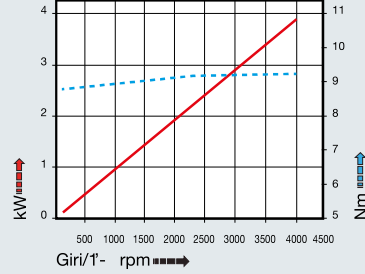
peso/weight



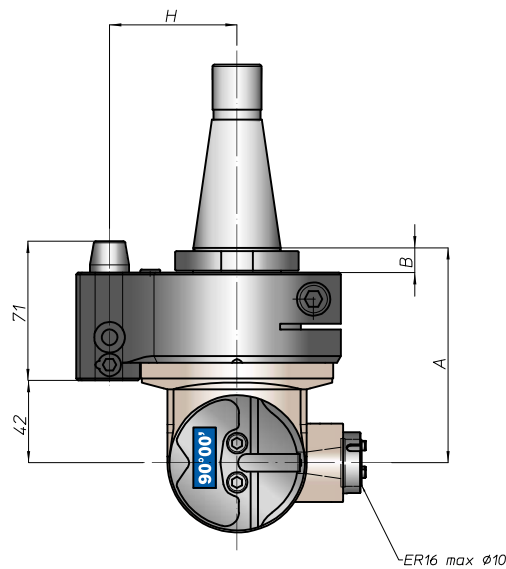
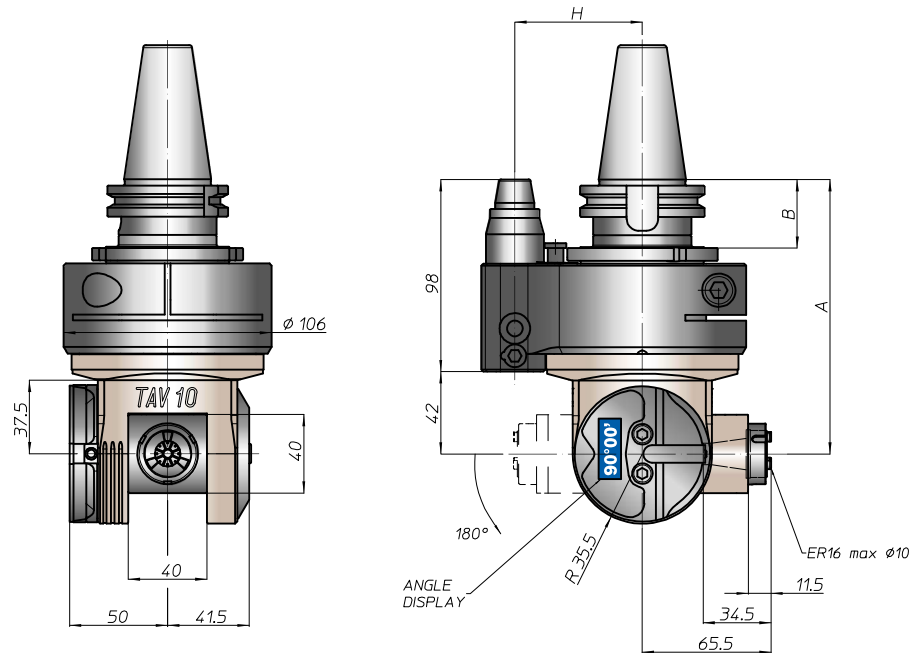
rotazione/rotation



prestazioni/performance



CONO SHANK	size	A	B	H	
				standard	optional
★ DIN69871 ★	40	140	35	65	-
	45			80	110
	50			80	110
★ ANSIB5.50 ★ CAT	40	140	35	65	-
	50			80	110
★ BT	40	148	45	65	-
	50			80	110
DIN69893 HSK	63	149	46	65	-
	80			80	110
	100			80	110
ISO26623 CAPTO	C5	144	39	65	-
	C6			80	110
	C8			80	110
KM	63	140	35	65	-
	80			80	110
	100			80	110
DIN2080	40	113	13	65	-
	50			80	110
	50			80	110
ANSIB5.18 NMTB	40	113	13	65	-
	50			80	110



★ Option: Dual Contact

FH

BAH

TA-CP

TA

MO

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TSI/TSX

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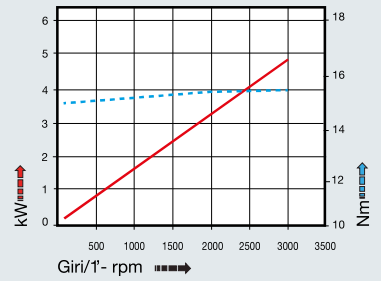
testa ad angolo - angle head

TAV13.P

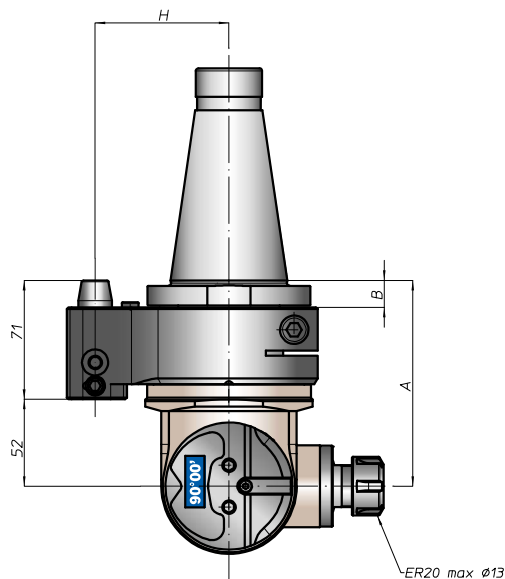
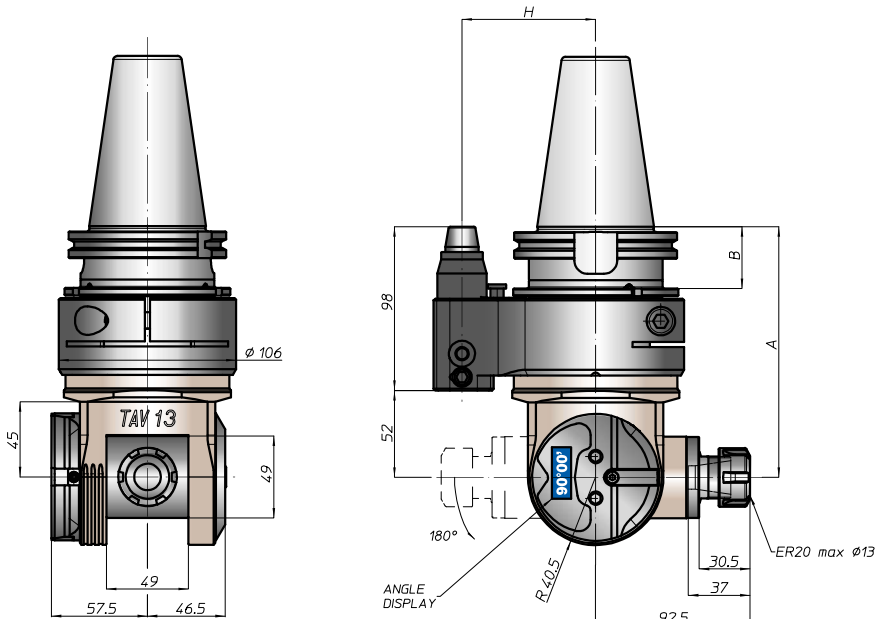

caratteristiche/features

peso/weight

rotazione/rotation

prestazioni/performance

tipi mandrino disponibili / available spindle types

- 1** DIN6388-ER ER25
3 Weldon Whistle-Notch Ø16



CONO SHANK	size	H			
		A	B	standard	optional
DIN69871 *	40	150	35	65	-
	45			80	110
	50			80	110
ANSIB5.50 *	40	158	45	65	-
	50			80	110
* BT	40	159	46	65	-
	50			80	110
DIN69893	63	154	39	65	-
	80			80	110
	100			80	110
CAPTO ISO26623	C5	120	13	65	-
	C6			80	110
	C8			80	110
KM	63	123	16	65	-
	80			80	110
	100			80	110
DIN2080	40	120	13	65	-
	50			80	110
	50			80	110
ANSIB5.18 NMTB	40	123	16	65	-
	50			80	110

* Option: Dual Contact

TAV20.P



FH
BAH
TA-CP
TA

caratteristiche/features

\varnothing 20 M16 1740 N
 1-1 4000

peso/weight

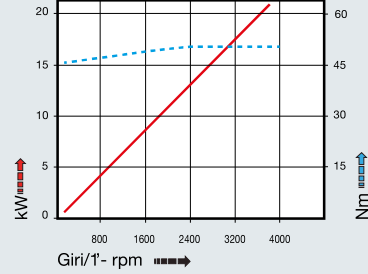


22 kg

rotazione/rotation



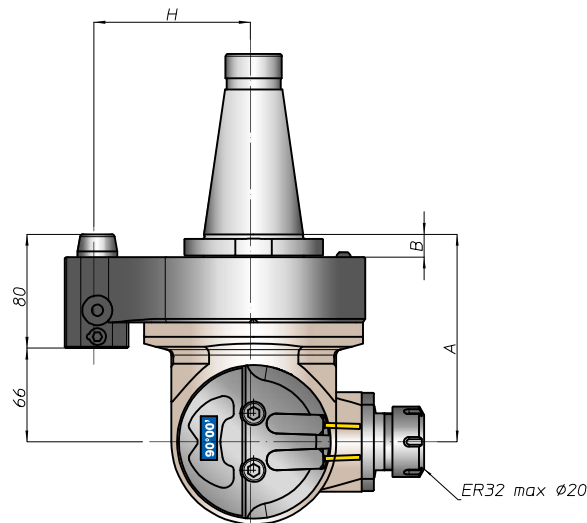
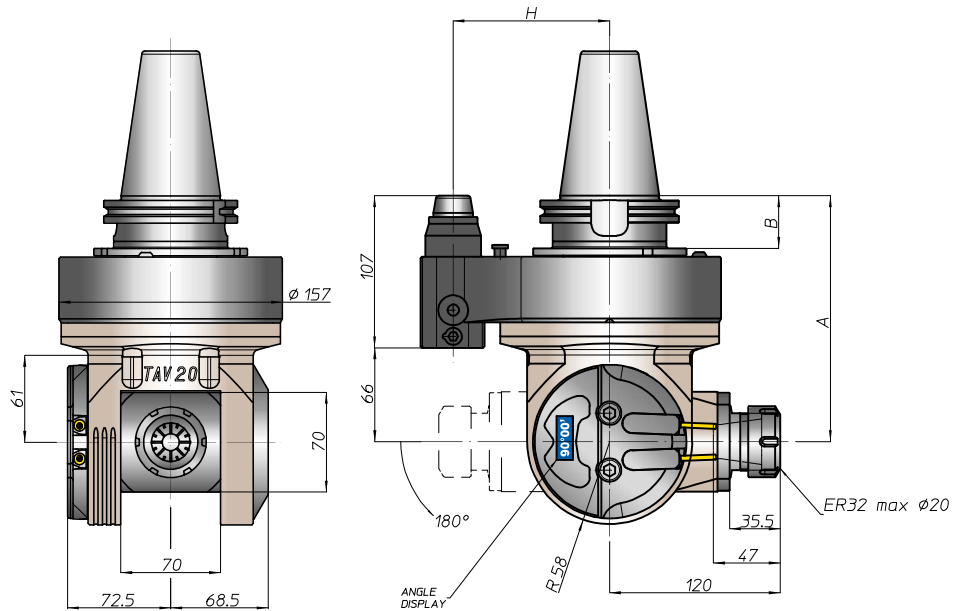
prestazioni/performance



CONO SHANK	size	A	B	H	
				standard	optional
	-	173	35	-	-
	50			110	-
	-	181	45	-	-
	50			110	-
	-	182	46	-	-
	50			110	-
	-	177	-	-	-
	80			110	-
	-	173	-	-	-
	C8			110	-
	-	173	-	-	-
	100			110	-
	-	149	16	-	-
	50			110	-
	-	149	16	-	-
	50			110	-

tipi mandrino disponibili / available spindle types

- 1** DIN6388-ER **2** Albero portafresa Milling shaft **3** Weldon Whistle-Notch **4** DIN69893-HSK **6** ABS Licenza KOMET®
- ER40** **Ø32** **Ø20-Ø25** **HSK50** **ABS50**



MO
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* Option: Dual Contact

FH

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TA-CP

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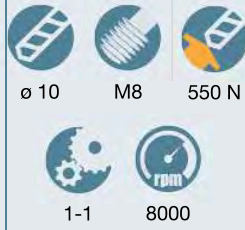
4-62



testa ad angolo - angle head

TAV10.P

caratteristiche/features



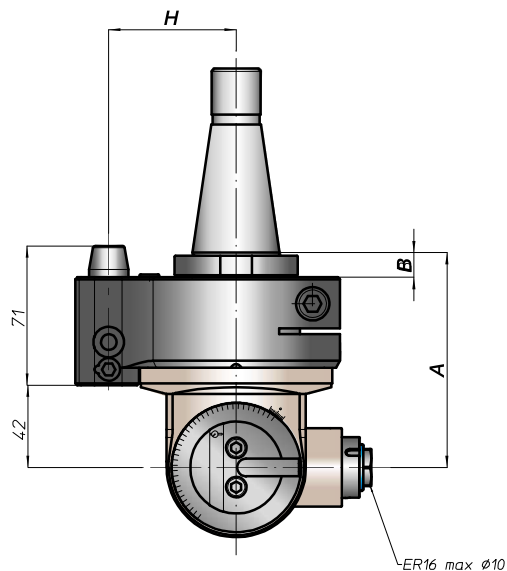
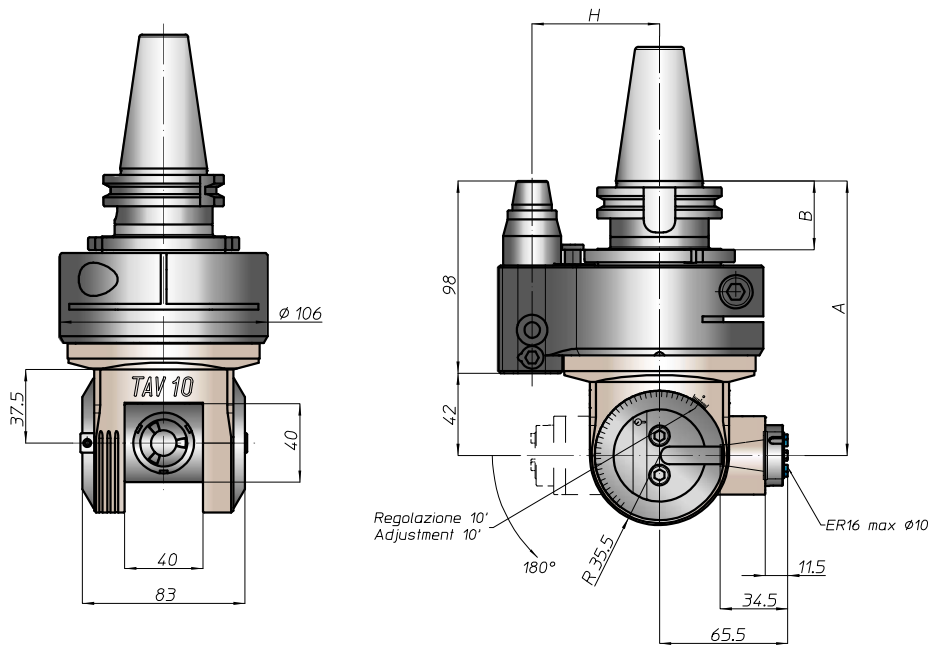
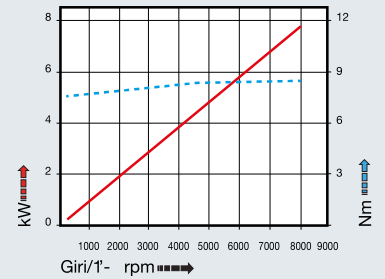
peso/weight



rotazione/rotation



prestazioni/performance



CONO SHANK	size	H		standard	optional
		A	B		
DIN69871 *	-			65	-
	40				
	45			80	110
ANSIB5.50 *	40	140	35	65	-
	50			80	110
	50			80	110
* BT	40			65	
	50	148	45	80	110
DIN69893	HSK		44	65	
	80	149		80	110
	100		46	80	110
ISO26623	C5			65	
	C6	144	39		
	C8			80	110
KM	63			65	
	80	140			
	100			80	110
DIN2080	-	113	13	65	-
	40				
	50	116	16	80	110
ANSIB5.18 NMTB	40	113	13	65	-
	50	116	16	80	110

* Option: Dual Contact

TAV10.PD



caratteristiche/features



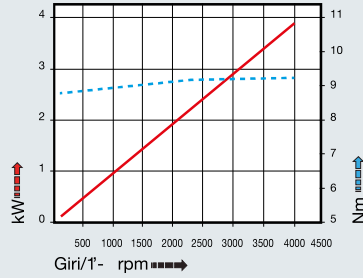
peso/weight



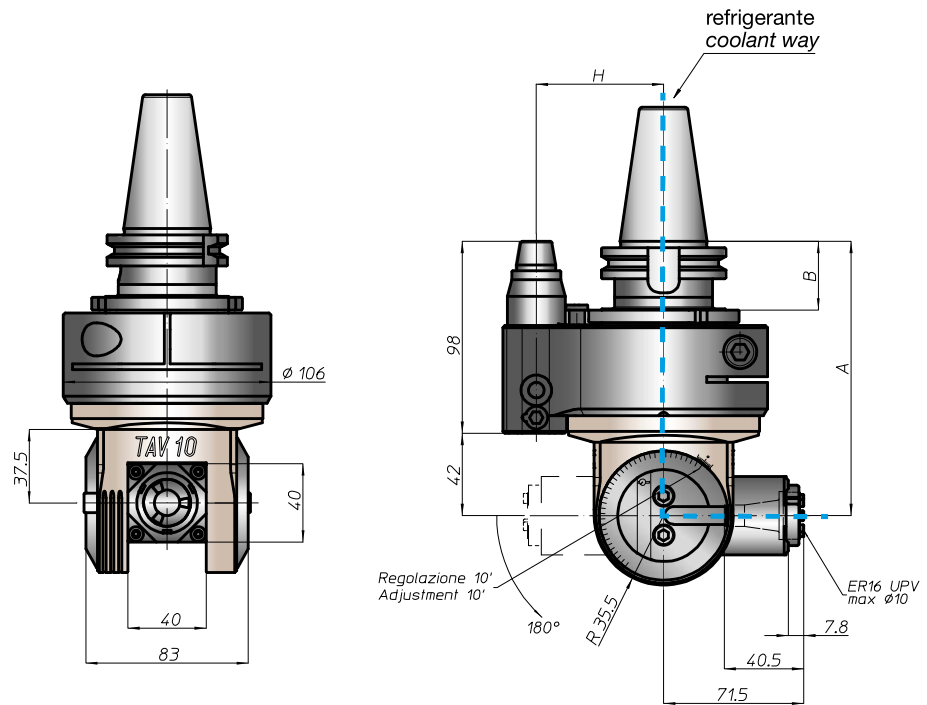
rotazione/rotation



prestazioni/performance



CONO SHANK	size	A	B	H	
				standard	optional
★ DIN69871 ★	40	140	35	65	-
	45			80	110
	50			80	110
★ ANSIB5.50 ★	40	140	35	65	-
	50			80	110
★ BT	40	148	45	65	-
	50			80	110
DIN69893	63	149	46	65	-
	80			80	110
	100			80	110
CAPTO	C5	144	39	65	-
	C6			80	110
	C8			80	110
KM	63	140	35	65	-
	80			80	110
	100			80	110
DIN2080	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
ANSIB5.18	NMTB	-	-	-	-
	-	-	-	-	-



FH
BAH
TA-CP
TA
MO
HT
VH
TSI/TSX
T
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★ Option: Dual Contact





testa ad angolo - angle head

TAV13.P

caratteristiche/features



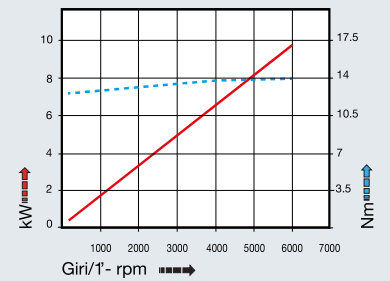
peso/weight



rotazione/rotation

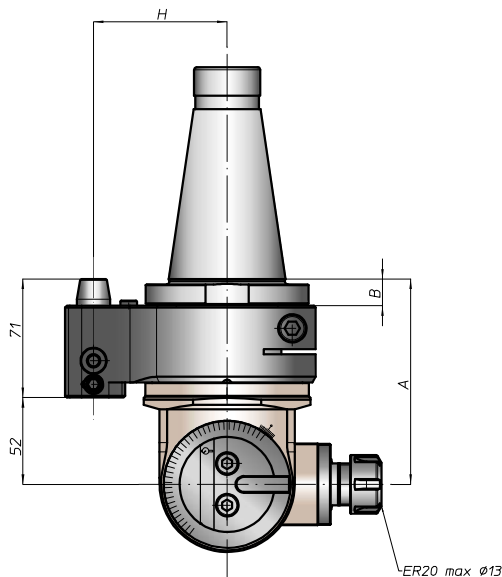
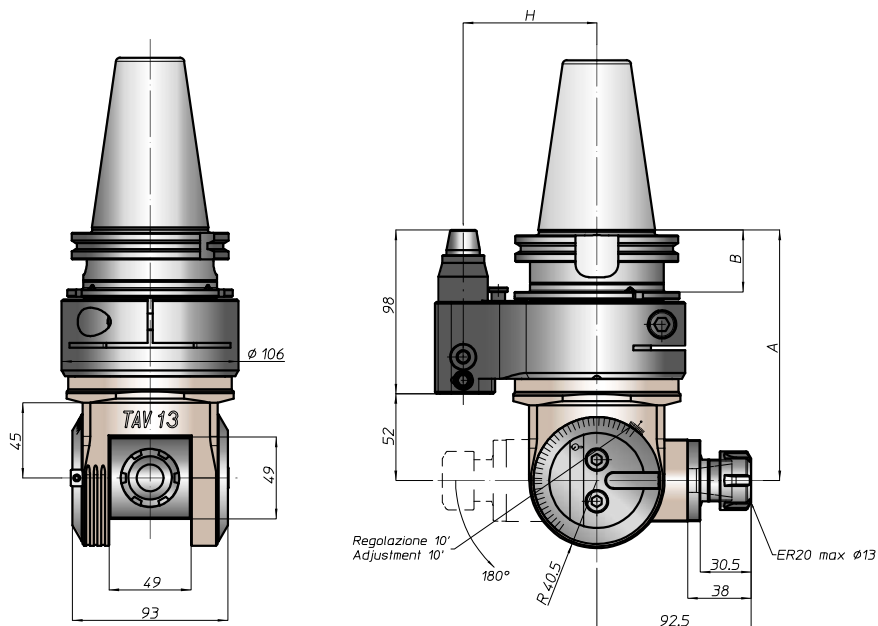


prestazioni/performance



tipi mandrino disponibili / available spindle types

- 1** DIN6388-ER **3** Weldon Whistle-Notch
ER25 **Ø16**



CONO SHANK	size	A	B	H	
				standard	optional
DIN69871 *	-	150	35	65	-
	40			80	110
	45			80	110
ANSIB5.50 *	40	158	45	65	-
	50			80	110
BT *	40	159	46	65	-
	50			80	110
HSK	63	154	39	65	-
	80			80	110
	100			80	110
CAPTO	C5	120	13	65	-
	C6			80	110
	C8			80	110
ISO26623	63	123	16	65	-
	80			80	110
	100			80	110
KM	63	120	13	65	-
	80			80	110
DIN2080	-	123	16	65	-
	40			80	110
	50			80	110
ANSIB5.18 NMTB	40	120	13	65	-
	50			80	110

* Option: Dual Contact

TAV13.PD



caratteristiche/features



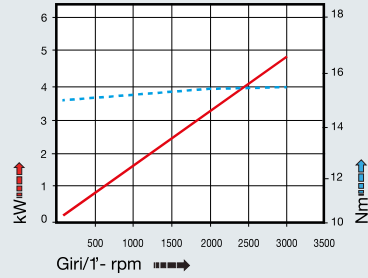
peso/weight



rotazione/rotation



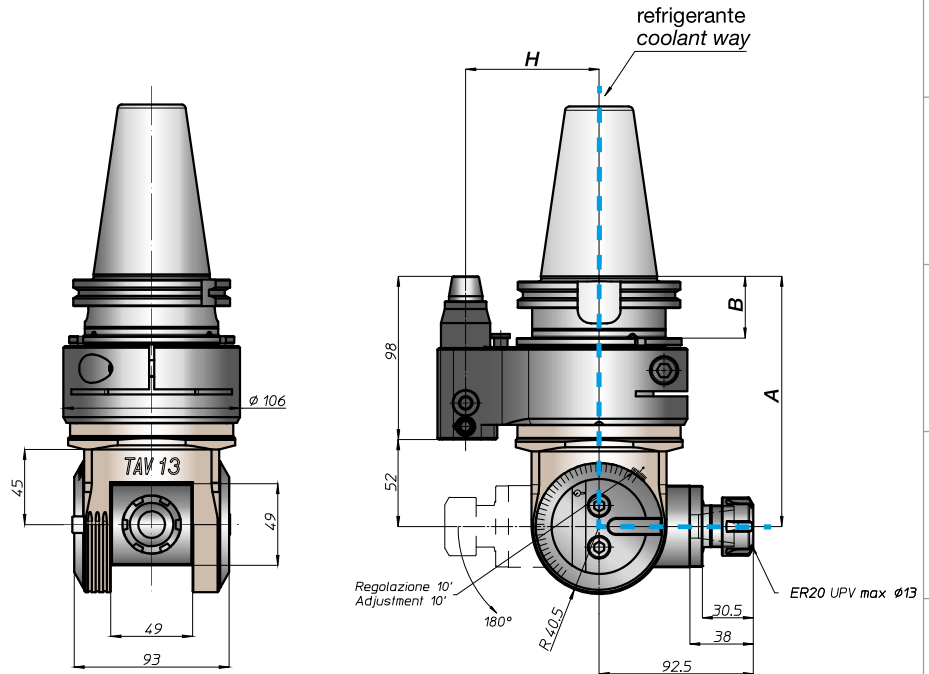
prestazioni/performance



CONO SHANK	size	A	B	H	
				standard	optional
* DIN69871	-	150	35	65	-
	40			80	110
	45			80	110
* ANSIB5.50	40	150	35	65	-
	50			80	110
* BT	40	158	45	65	-
	50			80	110
DIN69893	63	159	46	65	-
	80			80	110
	100			80	110
CAPTO	C5	154	39	65	-
	C6			80	110
	C8			80	110
KM	63	150	35	65	-
	80			80	110
	100			80	110
DIN2080	-	120	13	65	-
	40			-	-
	-			-	-
ANSIB5.18	NMTB	-	-	-	-
	-	-	-	-	-

tipi mandrino disponibili / available spindle types

- 1 DIN6388-ER ER25
- 3 Weldon Whistle-Notch Ø16



* Option: Dual Contact

FH

BAH

TA-CP

TA

MO

HT

VH

TSI/TSX

T

MT-TC-TC3

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FH

BAH

TA-CP

TA

MO

HT

VH

TSI/TSX

T

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testa ad angolo - angle head

TAV20.P

caratteristiche/features



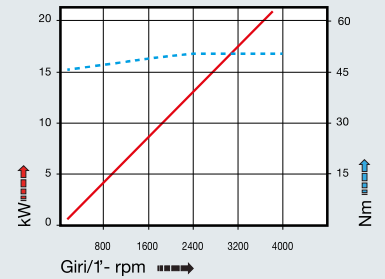
peso/weight



rotazione/rotation

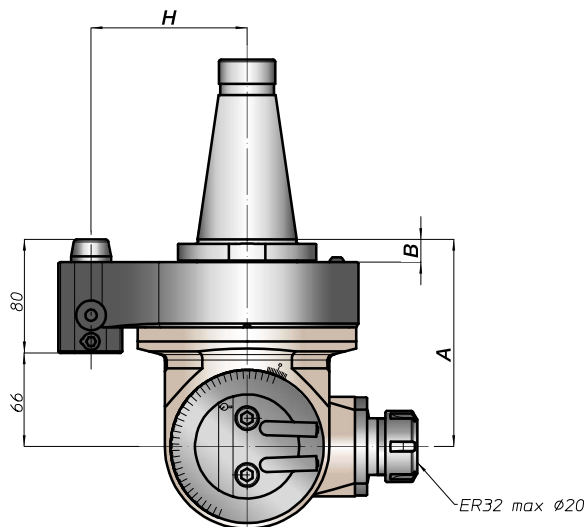
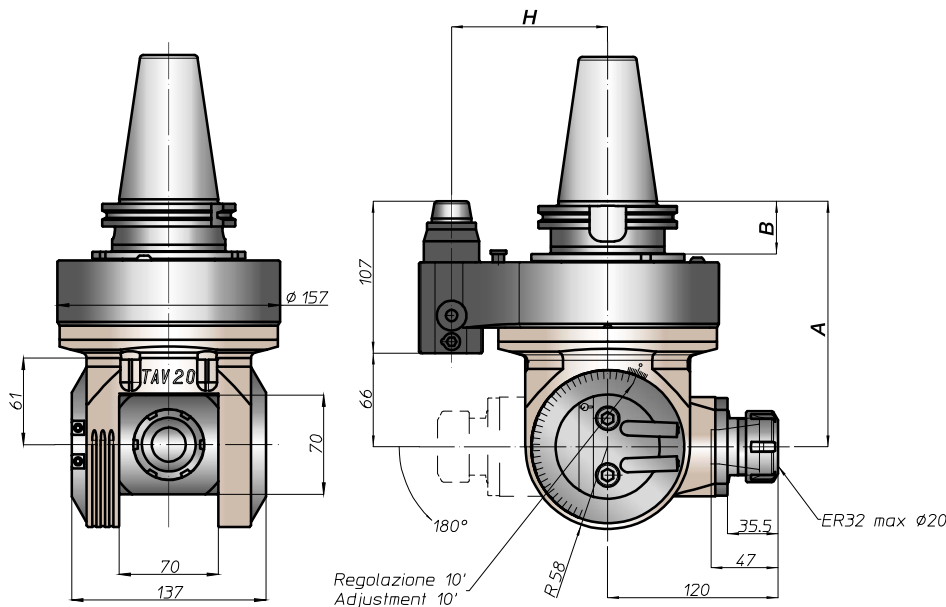


prestazioni/performance



tipi mandrino disponibili / available spindle types

1 DIN6388-ER	2 Albero portafresa Milling shaft	3 Weldon Whistle-Notch	4 DIN69893-HSK	6 ABS Licenza KOMET®
ER40	$\varnothing 32$	$\varnothing 20$ - $\varnothing 25$	HSK50	ABS50



CONO SHANK	size	A	B	H	
				standard	optional
DIN69871 *	-	173	35	-	-
	-			110	-
	50			-	-
ANSIB5.50 *	CAT	-	-	-	-
	50	-	-	110	-
* BT	-	-	-	-	-
	50	181	45	110	-
HSK	-	-	-	-	-
	80	182	-	-	-
	100	-	46	110	-
CAPTO	-	-	-	-	-
	ISO6623	-	177	-	110
C8	-	-	-	-	-
	-	-	-	-	-
KM	-	173	-	-	-
	100	-	-	110	-
DIN2080	-	-	-	-	-
	-	-	-	-	-
	50	149	16	110	-
ANSIB5.18 NMTB	-	-	-	-	-
	50	149	16	110	-

* Option: Dual Contact



TAV20.PD



caratteristiche/features



peso/weight

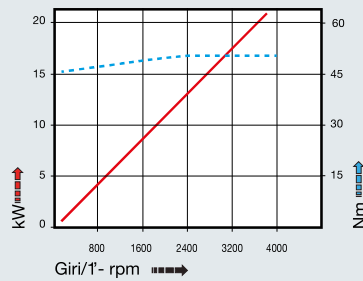


22 kg

rotazione/rotation



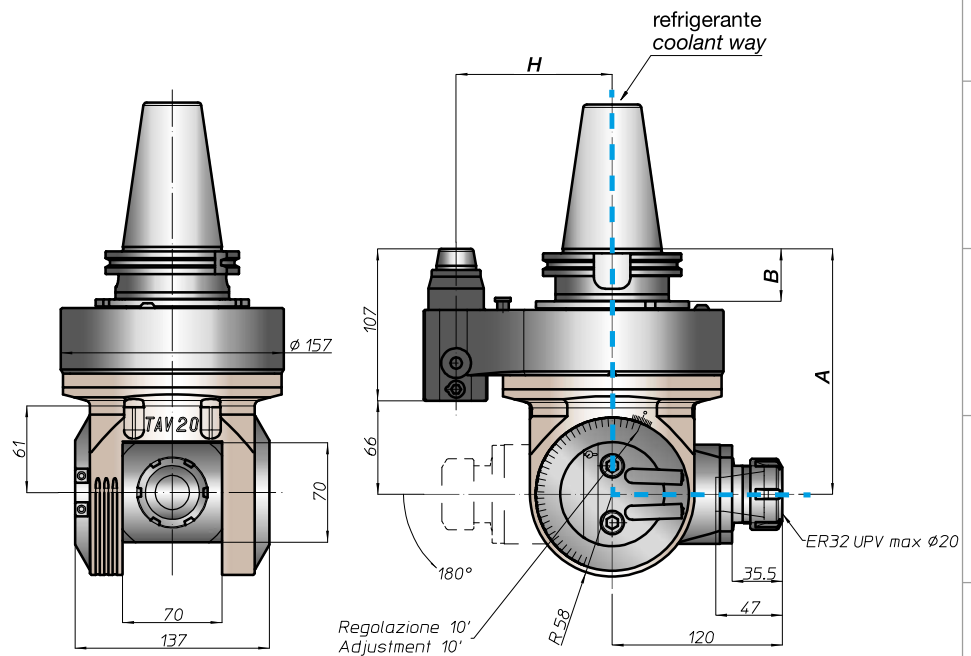
prestazioni/performance



CONO SHANK	size	A	B	H	
				standard	optional
★ DIN69871	-	173	35	-	-
	50			110	-
★ ANSIB5.50 CAT	-	173	35	-	-
	50			110	-
★ BT	-	181	45	110	-
	50			110	-
DIN69893 HSK	-	182	46	110	-
	80			110	-
ISO26623 CAPTO	-	177	-	110	-
	C8			110	-
KM	-	173	-	110	-
	100			110	-
DIN2080	-	-	-	-	-
	-			-	-
ANSIB5.18 NMTB	-	-	-	-	-
	-			-	-

tipi mandrino disponibili / available spindle types

- 1 DIN6388-ER
ER40
- 3 Weldon Whistle-Notch
Ø20-Ø25
- 4 DIN69893-HSK
HSK50
- 6 ABS Licenza KOMET®
ABS50



★ Option: Dual Contact

FH

BAH

TA-CP

TA

MO

HT

VH

TSI/TSX

T

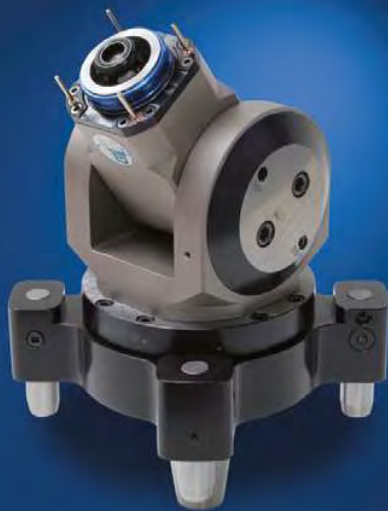
MT-TC-TC3

Accessori
Accessories

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TAV30.P



caratteristiche/features

 $\varnothing 30$
 M24
  2740 N
 1-1
  2500

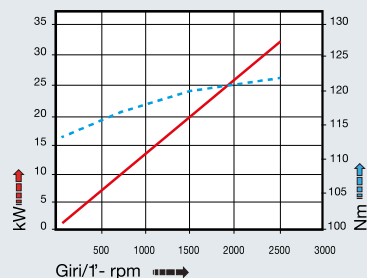
peso/weight



rotazione/rotation

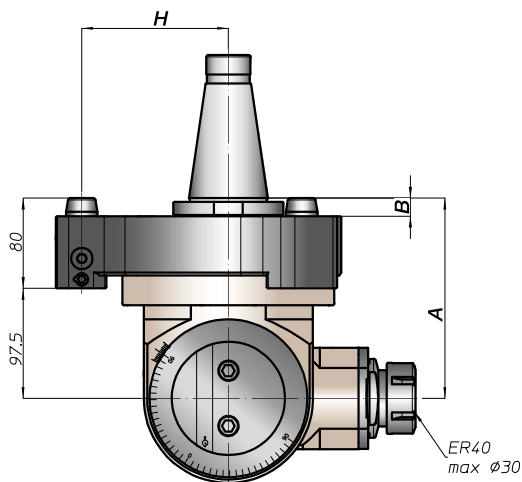
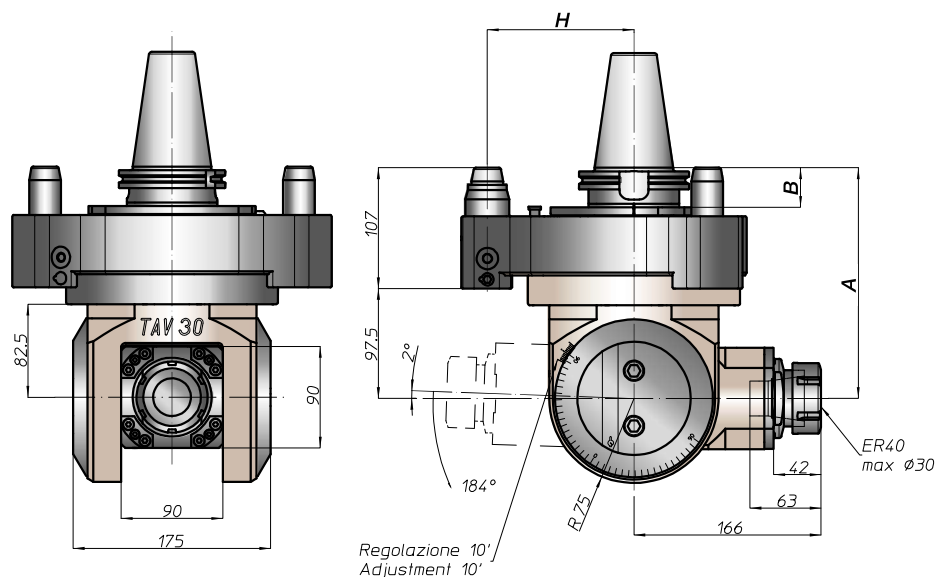


prestazioni/performance



tipi mandrino disponibili / available spindle types

- 1 DIN6388-ER
ER50
- 2 Albero portafresa
Milling shaft
Ø32-Ø40
- 4 DIN69893-HSK
HSK63
- 6 ABS
Licenza KOMET®
ABS63



CONO SHANK	size	A	B	H	
				standard	optional
DIN69871 *	-	204,5	35	-	-
	50			130	-
ANSIB5.50 *	-	213,5	46	-	-
	50			130	-
* BT	-	212,5	45	-	-
	50			130	-
HSK	-	213,5	46	-	-
	100			130	-
DIN69893	-	208,5	-	-	-
	C8			130	-
CAPTO	-	204,5	-	-	-
	100			130	-
ISO26623	-	177,5	16	-	-
	50			130	-
KM	-	177,5	16	-	-
	100			130	-
DIN2080	-	177,5	16	-	-
	50			130	-
ANSIB5.18 NMTB	-	177,5	16	-	-
	50			130	-

* Option: Dual Contact



TAV40.T



caratteristiche/features



peso/weight



70 kg

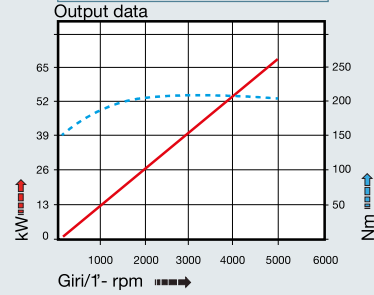
rotazione/rotation



input

output

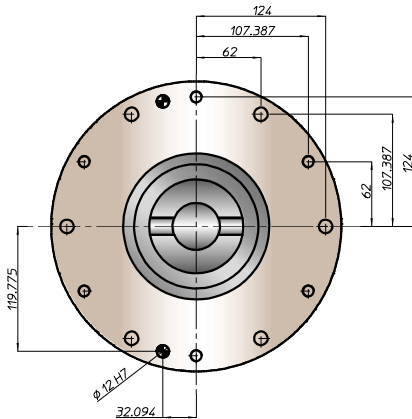
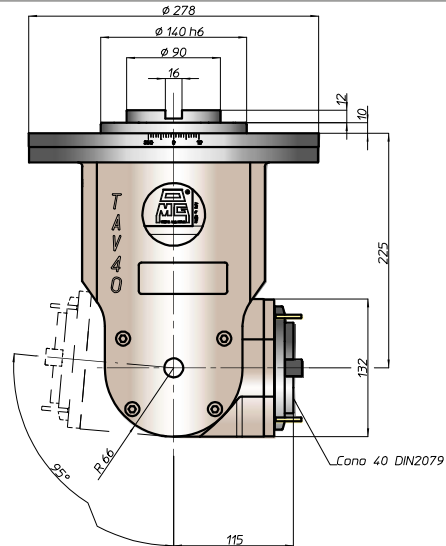
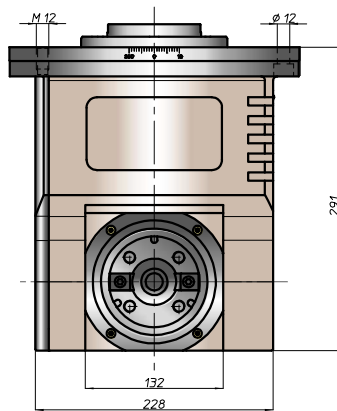
prestazioni/performance



tipi mandrino disponibili / available spindle types

4 DIN69893-HSK
HSK63

5 COROMANT CAPTO®
C5



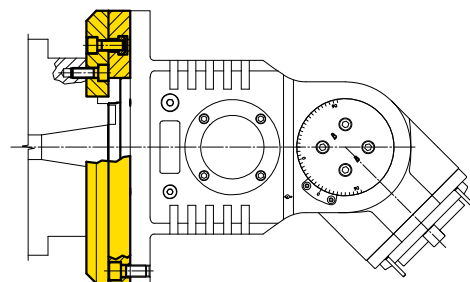
Equipaggiamento standard:

- pressurizzazione mandrino
- n. 4 ugelli orientabili vicino al mandrino
- regolazione angolare mandrino libera
- nel mandrino DIN2079 si possono utilizzare coni DIN2080-40, DIN69871-A40, MAS403-BT40

Standard equipment:

- spindle front pressurization
- nr 4 adjustable nozzle near the spindle
- free angle spindle adjustment
- on the spindle DIN2079 you can use shank DIN2080-40, DIN69871-A40, MAS403-BT40

esempio di collegamento - connection example



FH

BAH

TA-CP

TA

MO

HT

VH

TSI/TSX

T

MT-TC-TC3

Accessori
Accessories

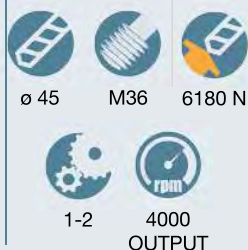
Appendice tecnica
Technical supplement



TAV50.T



caratteristiche/features



peso/weight

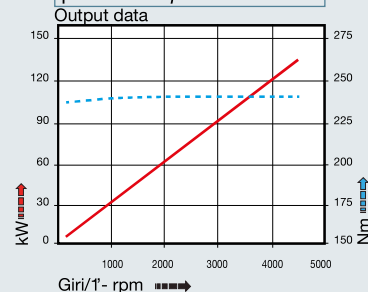


145 kg

rotazione/rotation

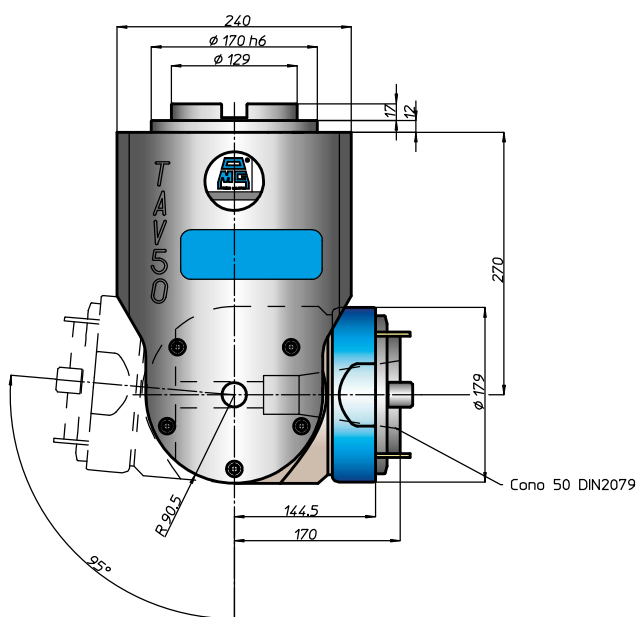
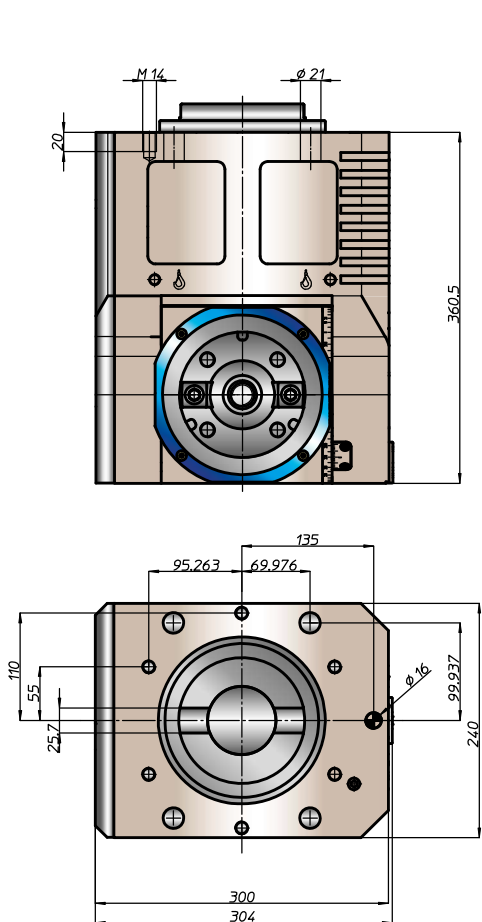


prestazioni/performances



tipi mandrino disponibili / available spindle types

- 4** DIN69893-HSK **A100**
- 5** COROMANT CAPTO® **C8**



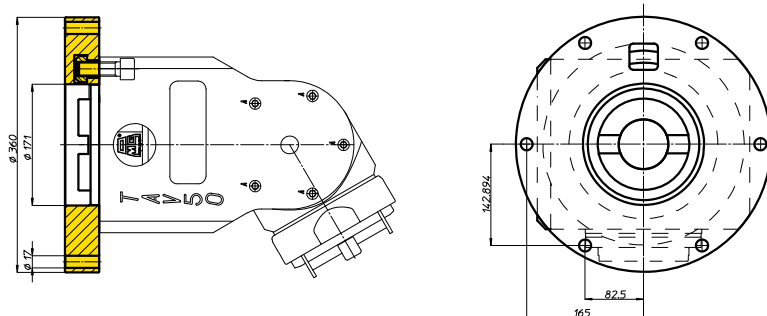
Equipaggiamento standard:

- pressurizzazione mandrino
- n. 4 ugelli orientabili vicino al mandrino
- regolazione angolare mandrino libera o posizionabile ogni 15°
- nel mandrino DIN2079 si possono utilizzare coni DIN69871-A50, MAS403-BT50

Standard equipment:

- spindle front pressurization
- nr 4 adjustable nozzle near the spindle
- free angle spindle adjustment or by pin each 15°
- on the spindle DIN2079 you can use shank DIN69871-A50, MAS403-BT50

esempio di collegamento - connection example



FH

BAH

TA-CP

TA

MO

HT

VH

TSI/TSX

T

MT-TC-TC3

Accessori
Accessories

Appendice tecnica
Technical supplement



TAV Gallery



FH

BAH

TA-CP

TA

MO

HT

VH

TSI/TSX

T

MT-TC-TC3

Accessori
Accessories

Appendice tecnica
Technical supplement



Per ulteriori informazioni, richiedi
For more technical information, ask for

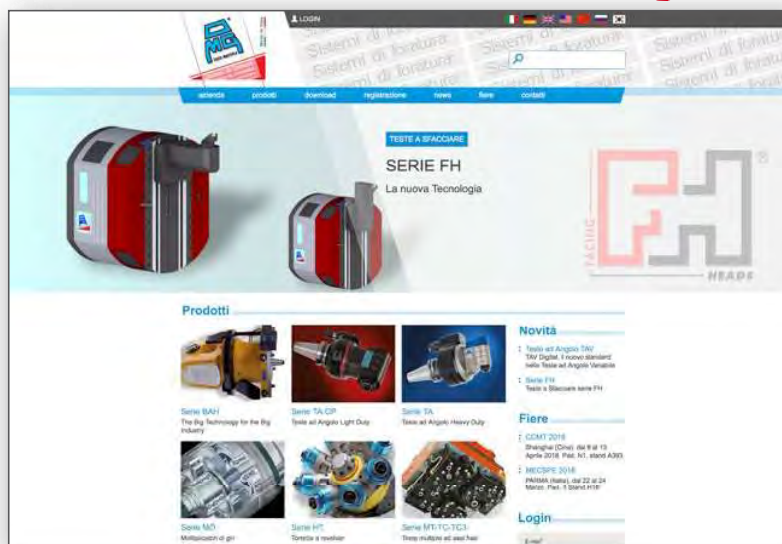


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HT



FH



VH



BAH



TSI/TSX



TA.CP



T



TA



MT-TC-TC3



MO



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