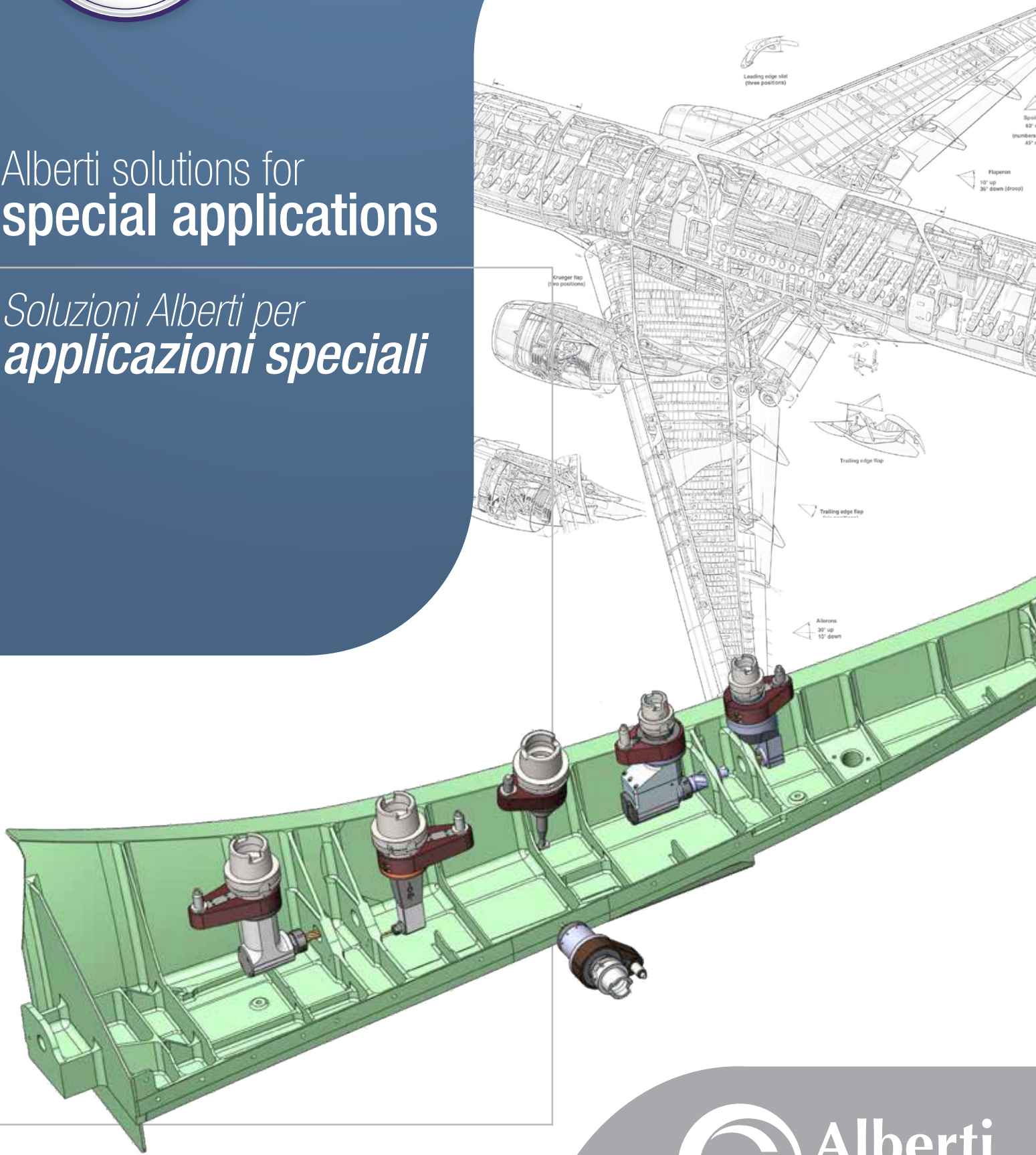
Alberti solutions for **special applications**

Soluzioni Alberti per ***applicazioni speciali***



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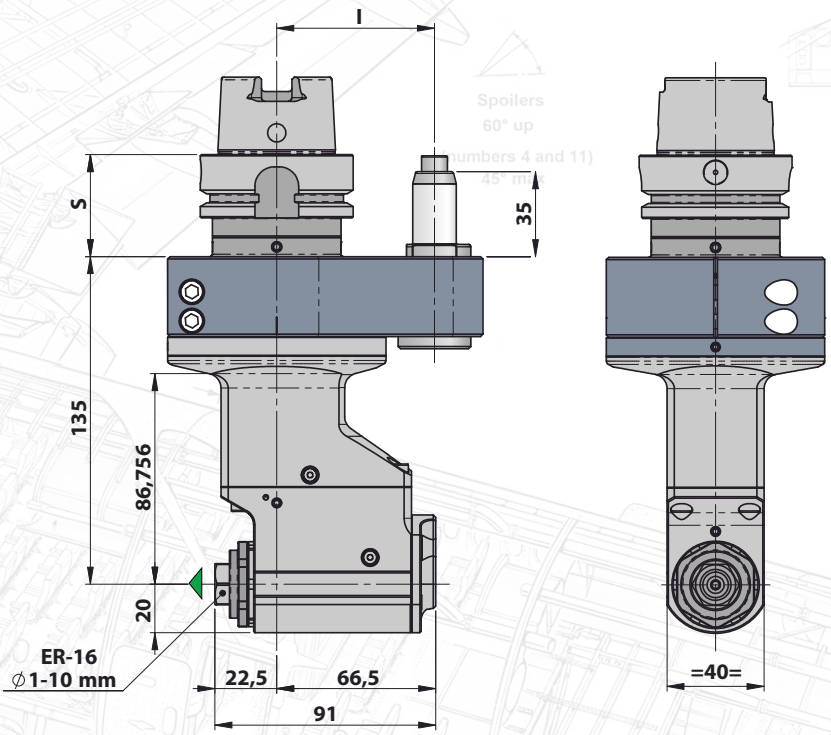
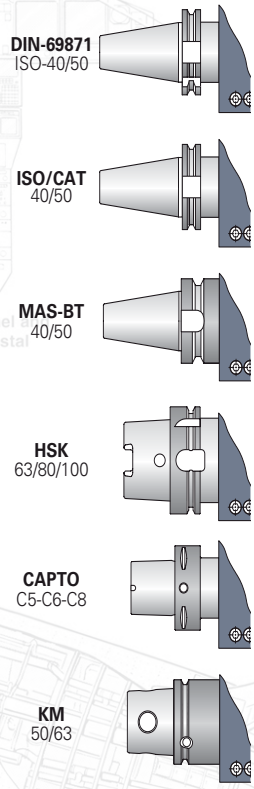


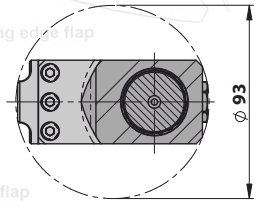


Direction of rotation same as machine spindle / *senso di rotazione uguale al mandrino*

Shank/*Cono*	**DIN-69871 / CAT**			**MAS-BT**			**HSK**		**CAPTO**		**KM**
Size/*Grandezza*	30	40	50	30	40	50	63-80	100	C5-C6	C8	50-63
I	65-80	65-80 -(110*)	80-(110*)	65-80	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	30	35	41	42	45	38	40	40

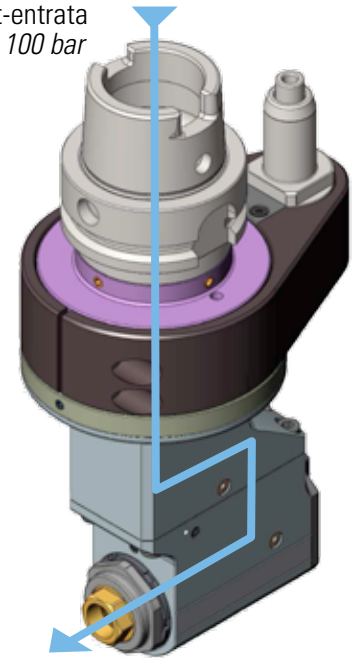
*optional

Minimum diameter without tool
Diametro minimo senza utensile



Dry run possible
Rotazione a secco possibile

input-entrata
max 100 bar

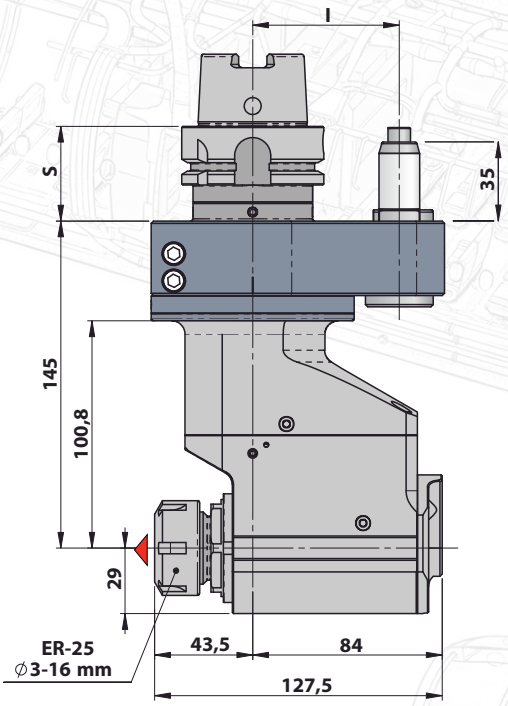


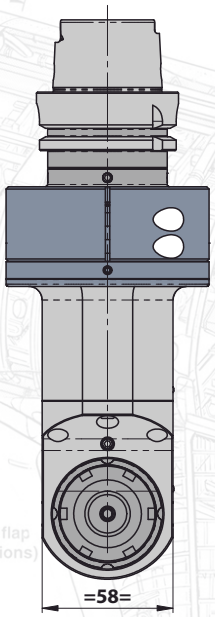
output -uscita
max 100 bar

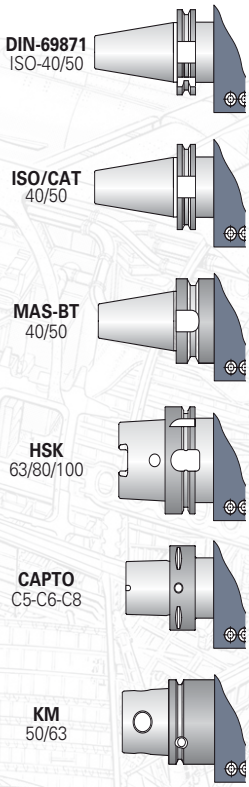
Technical Data / *Dati Tecnici*		**TH 90cn - 1,5**
Rt / *Rt*		1:1
RPM max. with coolant / *Max. velocità con refrigerante*	min^{-1}	10.000
RPM max. without coolant / *Max. velocità senza refrigerante*	min^{-1}	8.000
Max. axial load / *Max. carico assiale*	N	250
Torque / *Momento torcente*	Nm	7
Weight / *Peso*	kg	4.5
Collet / *Pinza*	mm	ER-16A
Internal coolant max. / Refrigerante interno	bar/psi	100 / 1.400

STANDARD EQUIPMENT INCLUDES:

Special bag - stop block - wrenches - instruction book
Bauletto - tassello di ritegno - chiavi di servizio - libretto istruzioni





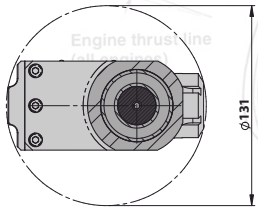


Direction of rotation opposite to machine spindle / *senso di rotazione contrario al mandrino*

Shank/*Cono*	**DIN-69871 / CAT**			**MAS-BT**			**HSK**		**CAPTO**		**KM**
Size/*Grandezza*	30	40	50	30	40	50	63-80	100	C5-C6	C8	50-63
I	65-80	65-80 -(110*)	80-(110*)	65-80	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	30	35	41	42	45	38	40	40

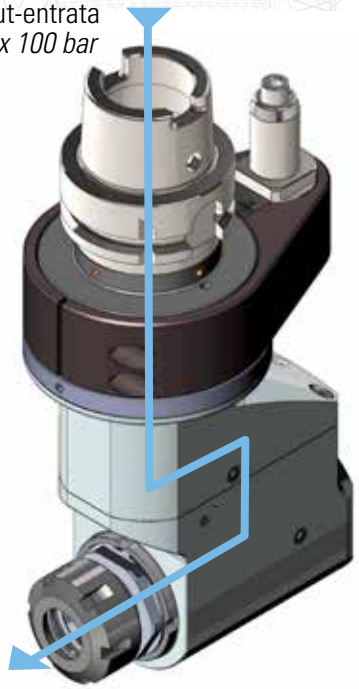
*optional

Minimum diameter without tool
Diametro minimo senza utensile



Dry run possible
Rotazione a secco possibile

input-entrata
max 100 bar



output -uscita
max 100 bar

Technical Data / *Dati Tecnici*		**TH 90cn - 2,5**
Rt / *Rt*		1:1
RPM max. with coolant / *Max. velocità con refrigerante*	min^{-1}	9.000
RPM max. without coolant / *Max. velocità senza refrigerante*	min^{-1}	6.000
Max. axial load / *Max. carico assiale*	N	510
Torque / *Momento torcente*	Nm	20
Weight / *Peso*	kg	7,5
Collet / *Pinza*	mm	ER-25 2+16mm
Internal coolant max. / Refrigerante interno	bar/psi	100 / 1.400

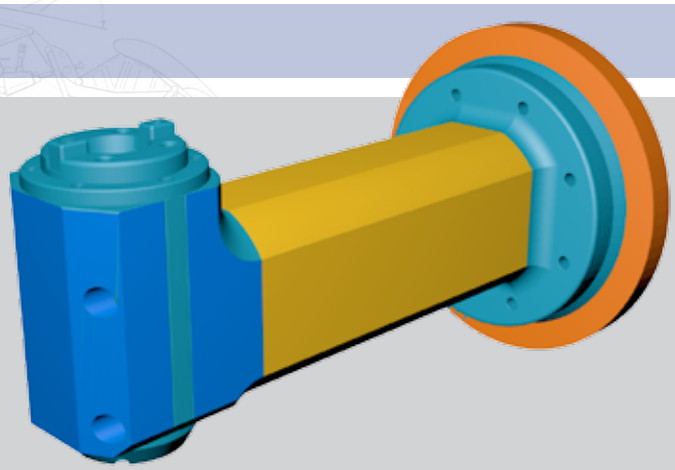
STANDARD EQUIPMENT INCLUDES:

Special bag - stop block - wrenches - instruction book
Bauletto - tassello di ritegno - chiavi di servizio - libretto istruzioni

Extra long heads / Teste extra lunghe **XL**

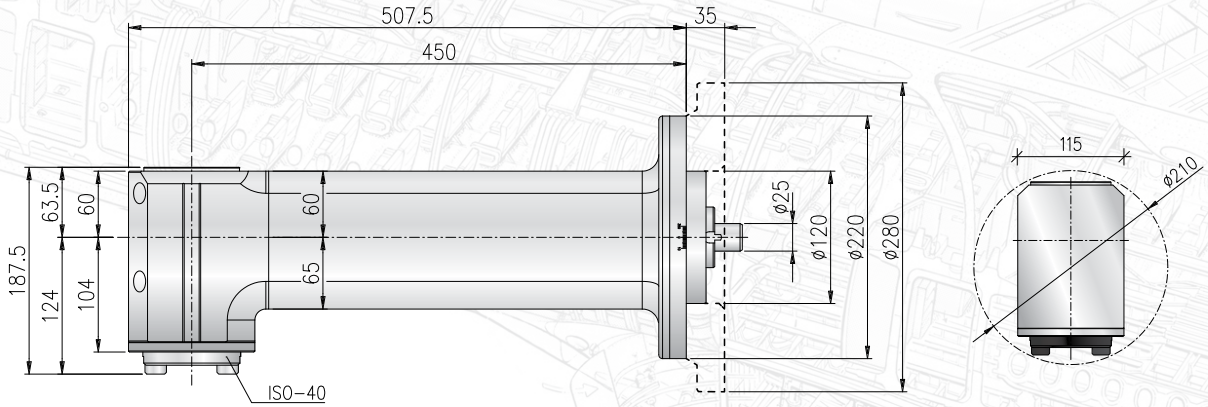
In the recent years Alberti have been providing big size extended length heads with flange mounting possibility whose dimension can be over 1mt long.

Negli ultimi anni Alberti ha realizzato una serie di teste prolungate di grosse dimensioni con montaggio manuale che raggiungono lunghezze superiori ad un 1mt.

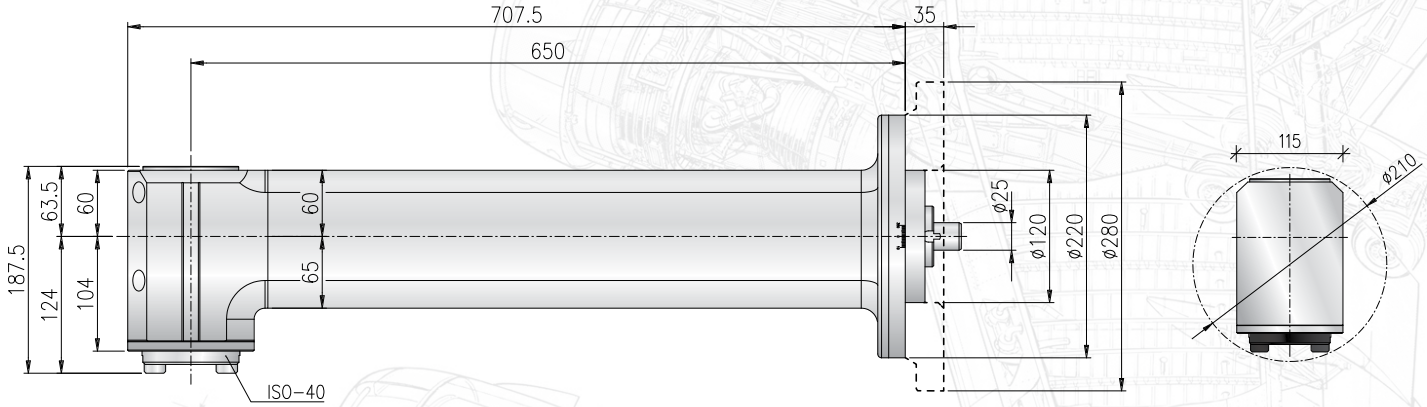


Extra long heads / Teste extra lunghe XL

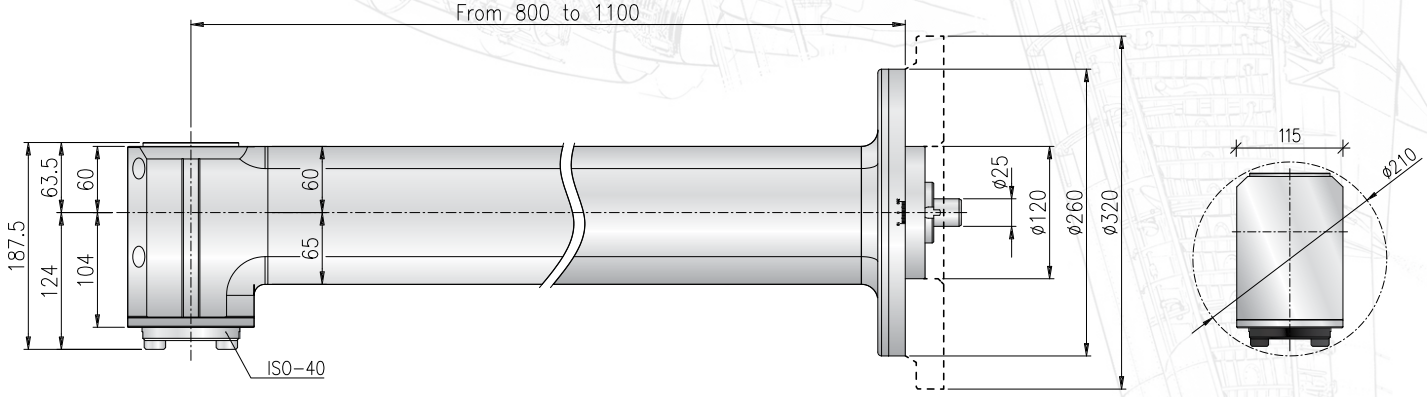
L = 450 mm



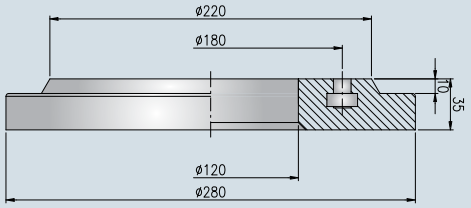
L = 650 mm



L = 800 / 1000 mm

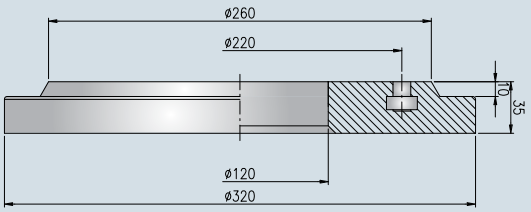


Flangia A for L450 and L650



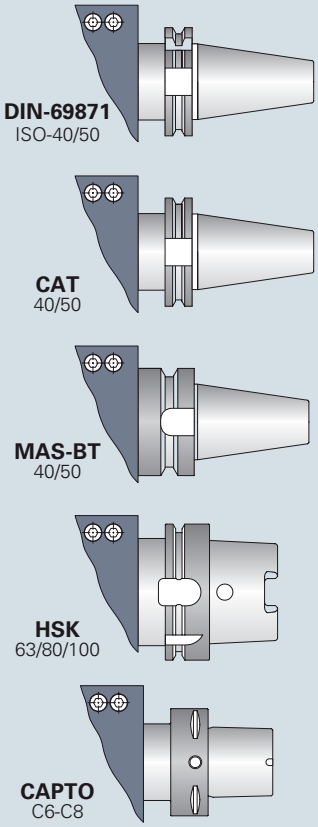
Universal flange - Flangia universale

Flangia B for L800/1000

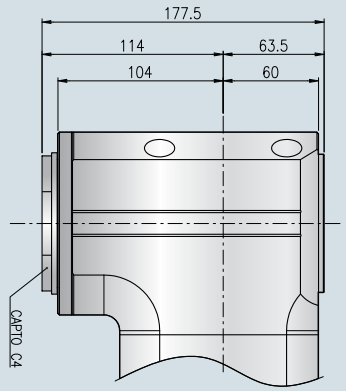


Universal flange - Flangia universale

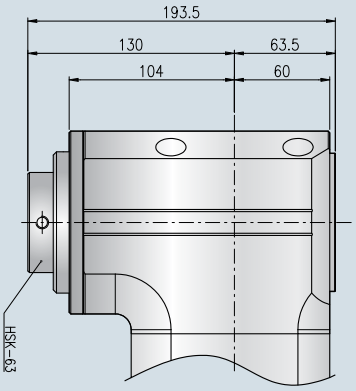
Coni



Capto C4 Otput



HSK 63 Otput



STANDARD EQUIPMENT INCLUDES:

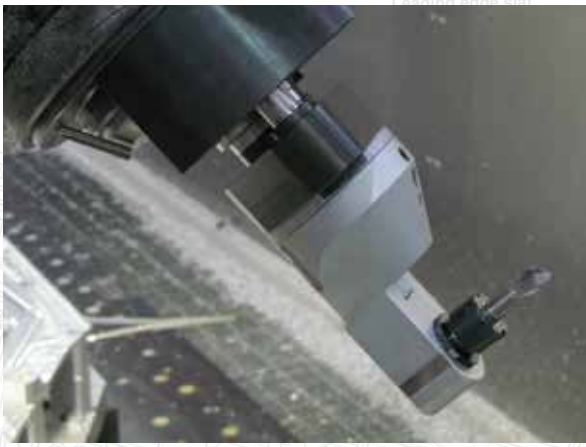
- Wooden crate - Retaining ring - Universal flange - STD drive shank - wrenches - Grease tube - Instruction book
- Cassa - Anello di aggancio - Flangia universale - Cono standard - Ghiera ER chiavi di servizio
- Tubetto di grasso - Libro istruzioni

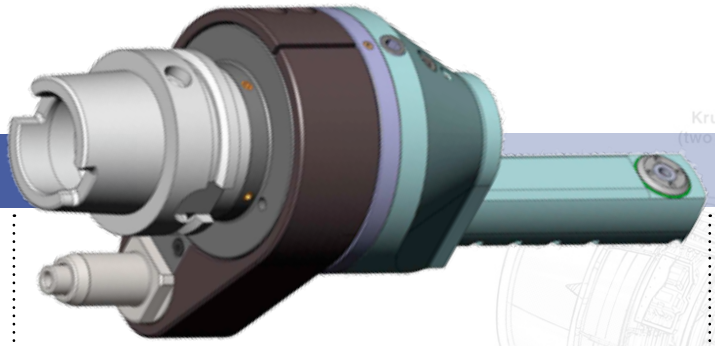
Technical Data / *Dati Tecnici*		T90 XL
Rt / *Rt* / *Rt*		1:1
RPM max. / *Max. velocità*	min^{-1}	3.000
Max. axial load / *Max. carico assiale*	N	2.400
Torque / *Momento torcente*	Nm	100
Weight / *Peso*	kg	--
Collet / *Pinza*	mm	ISO/BT 40

Offset heads TR / Teste disassate TR

Alberti features a series of different offset heads with customized length or cutting holder able to reach inside small pockets or deep holes.

Alberti è in grado di studiare soluzioni con teste disassate o arretrate di diverso tipo, con lunghezza e portautensile personalizzati e quindi adatte ad entrare in tasche molto strette oppure all'interno di fori piccoli e profondi.





customizable quotes
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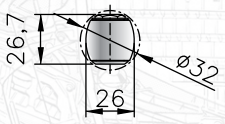
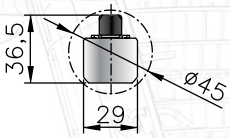
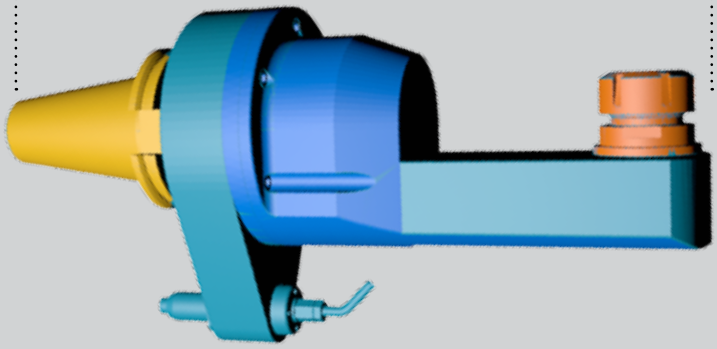
Minimum dimensions and diamiter without tool
MIsure e diametro minimo senza utensile

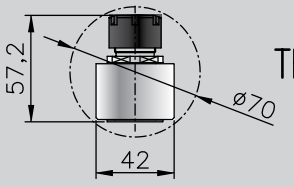


TR90cn–0.25
PINZA SPECIALE
SPECIAL COLLET
(0.3mm–4.5mm)

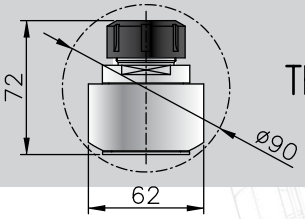


TR90cn–0.5 ER–11

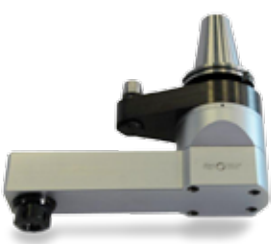


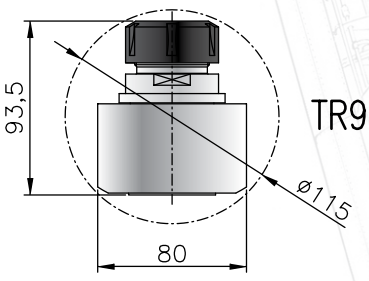


TR90cn–1.5 ER–16



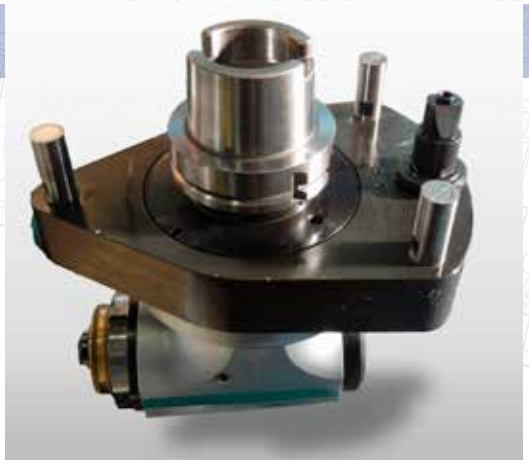
TR90cn–2.5 ER–25





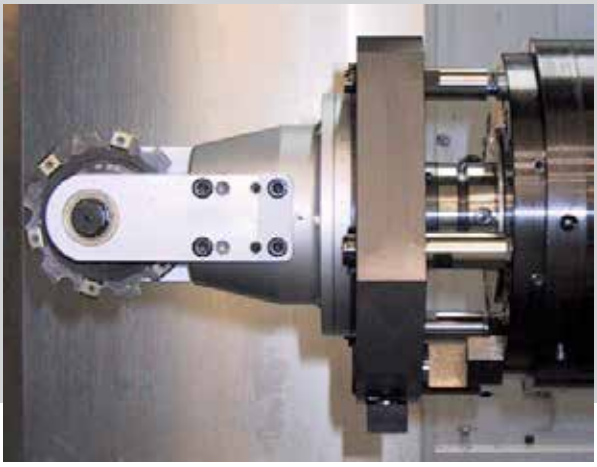
TR90cn–3.5 ER–32

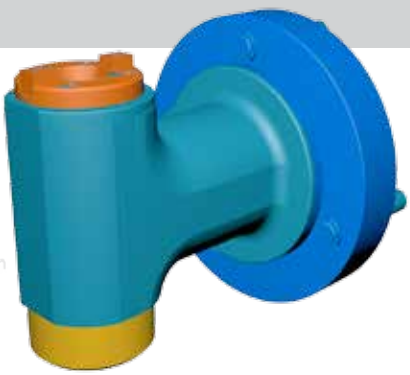
Heavy Duty Heads with 3 point support / Teste Alte prestazioni con supporto a 3 punti



Angle heads with 3 point support flange that allow to reach a higher rigidity during machining.

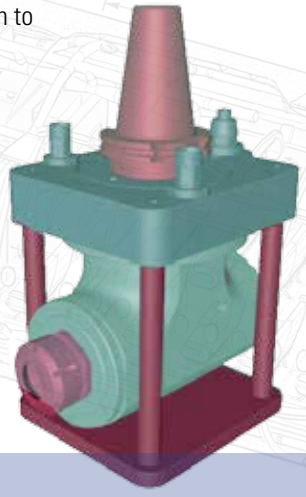
Teste realizzate con supporto a 3 punti regolabili in altezza che consente ottenere una maggior rigidità in lavorazione.

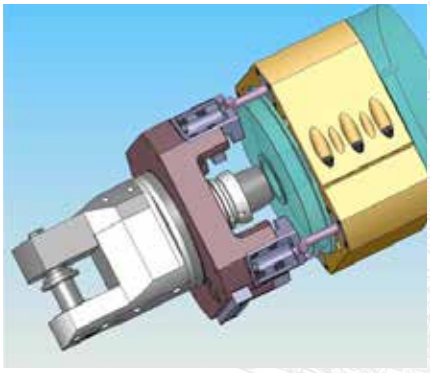


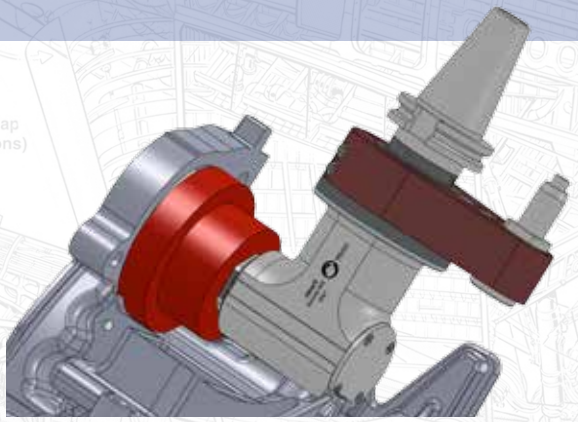


Simple steady rest solution to mount on the table

Soluzione di pick-up da montare su tavola

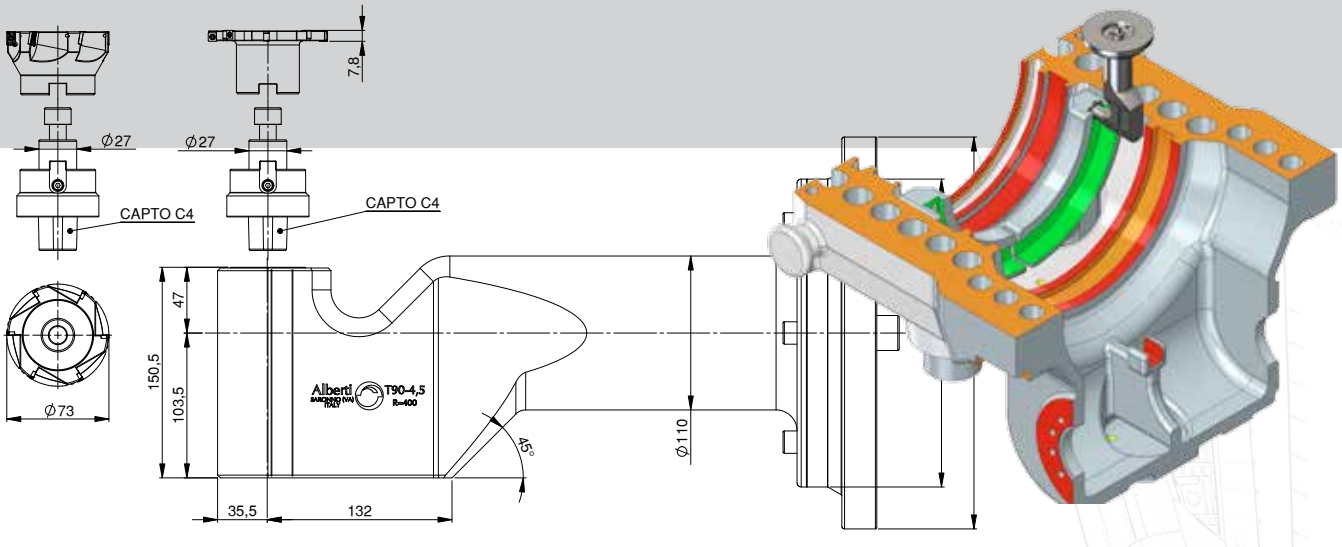


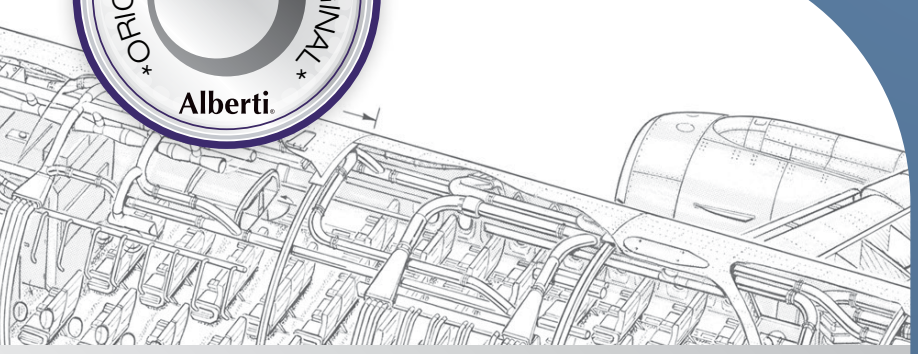




Alberti has recently broaden the standard range of angle heads by introducing new technologies such as: higher resistance materials or different surface treatments for the manufacturing of gears in order to increase the torque, the use of flanges with 3 pins to better support the head and help increasing the rigidity during machining as well as angle heads with high pressure coolant through.
Alberti can also design and manufacture customized solutions and provide technical advice on the type of angle head, cutting tool and the suitable parameters for the machining.
With the main focus on reducing the set up time and better serve the customer, Alberti is the answer to customer's demand, completely Made in Italy.

La gamma di teste Alberti si è ulteriormente ampliata con l'introduzione di nuove tecnologie applicate alla consueta proposta standard: nuovi materiali e rivestimenti per la coppia conica che aumentano notevolmente la potenza, l'introduzione dei 3 punti di supporto che migliorano la rigidità in lavorazione e la refrigerazione interna attraverso il mandrino ad alta pressione.
Qualora la vasta gamma di teste standard a catalogo non fosse sufficiente a soddisfare le esigenze del cliente,
Alberti è in grado di progettare e realizzare soluzioni ad hoc che includano oltre alla testa ad angolo anche l'utensile piu' idoneo e fornire quindi una consulenza sui parametri di lavorazione. Con l'unico obiettivo di ridurre il tempo di start-up e servire al meglio il cliente, Alberti è la risposta Made in Italy a 360°.





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