



serie T

teste multiple a giunti universali adjustable joint multispindle heads

Le teste multiple a giunti universali sono in produzione dal 1961; nel corso degli anni hanno subito modifiche e aggiornamenti, confermando però la validità dell'idea e lasciando inalterate le caratteristiche salienti:

- possibilità di utilizzo sia in foratura che in maschiatura
- possibilità di posizionamento nello spazio dei gruppi mandrino, vincolato soltanto dalle dimensioni dello stesso e dall'area di lavoro
- adattabilità a tutti i tipi di trapani o a soluzioni speciali
- vantaggiose soprattutto quando è necessario modificare di frequente gli interassi dei fori
- ampia gamma di modelli per le diverse esigenze

Sono disponibili a magazzino le seguenti versioni:

- serie T-TS a base circolare per l'esecuzione di massimo 12 fori; massima capacità di foratura diam. mm 22, interasse minimo mm 15 e massimo mm 350
- serie TL a base lineare per l'esecuzione di massimo 12 fori; massima capacità di foratura diam. mm 22, interasse minimo mm 17 e massimo mm 610
- serie TR a base rettangolare per l'esecuzione di massimo 16 fori; massima capacità di foratura diam. mm 22, interasse minimo mm 32 e massimo mm 395x345
- serie TM-TRM a base circolare e rettangolare per l'esecuzione di massimo 26 fori; grazie alle loro caratteristiche tecniche possono eseguire i più diversi schemi di foratura e maschiatura su macchine con potenza adeguata.

Il catalogo è concegnato per avere un preciso riscontro delle caratteristiche di tutte le teste a giunti universali e delle varie soluzioni possibili con esse; le nuove schede tecniche, gli esempi di attrezzature, gli accessori e le tabelle Vi guideranno nella scelta opportuna.

Qualora il Vs. lavoro non sia eseguibile con questa serie di teste, il Ns. ufficio tecnico Vi fornirà la soluzione alternativa con la serie VH ad interassi variabili o con teste ad assi fissi appositamente disegnate e costruite.

The universal joint multisindle heads have been in production since 1961; over the years they have been modified and updated, without however refuting the goodness of the idea and always leaving major features unaltered:

- possibility of using for both drilling and tapping
- possibility of multi-positioning the spindle units, restricted only by the size of the spindle and of the working area
- suitable for all types of drills or for special solutions
- especially useful when the need arises to frequently change the hole centre distances
- broad range of models for different requirements

The following versions are in stock:

- series T-TS with round base for making up to 12 holes; max drilling capacity dia. 22 mm, minimum centre distance 15 mm, max centre distance 350 mm
- series TL with linear base for making up to 12 holes; max drilling capacity dia. 22 mm, minimum centre distance 17 mm, max centre distance 610 mm
- series TR with rectangular base for making up to 16 holes; max drilling capacity dia. 22 mm, minimum centre distance 32 mm, max centre distance 395x345 mm
- series TM-TRM with round and rectangular base for making up to 26 holes; thanks to their technical features, they are able to execute a series of different drilling and tapping patterns on machines of adequate power.

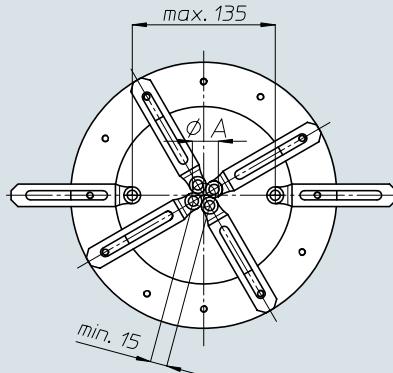
The catalogue is compiled so as to provide a precise reference for all the adjustable joint heads and the various possible solutions these offer. Thanks to the new technical sheets, equipment examples, accessories and charts, you will find making the right choice much easier.

In the event of this series of heads not providing the solution for your job, our technical department can provide alternative solutions with the variable centre distance VH series or fixed-axis heads, specially designed and made for you.

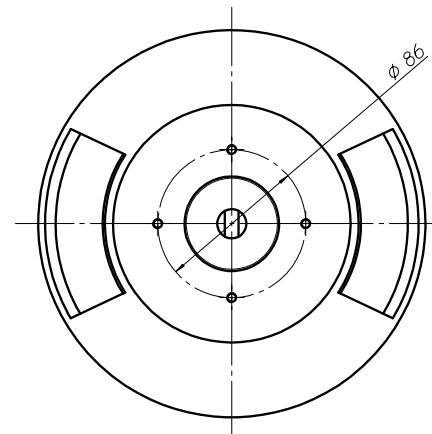
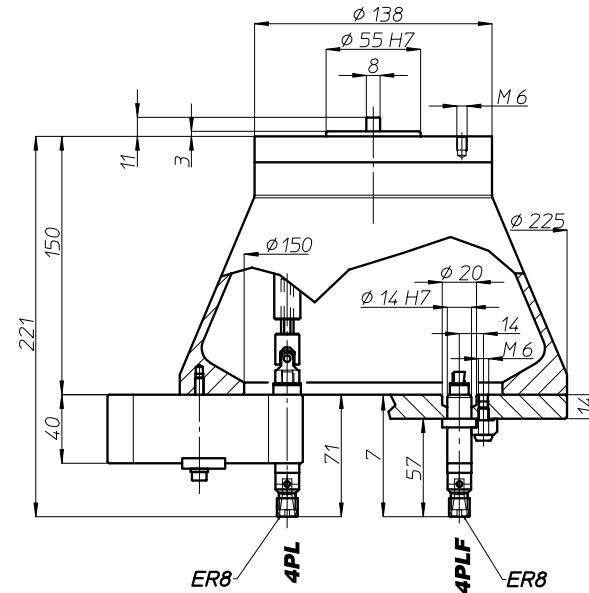


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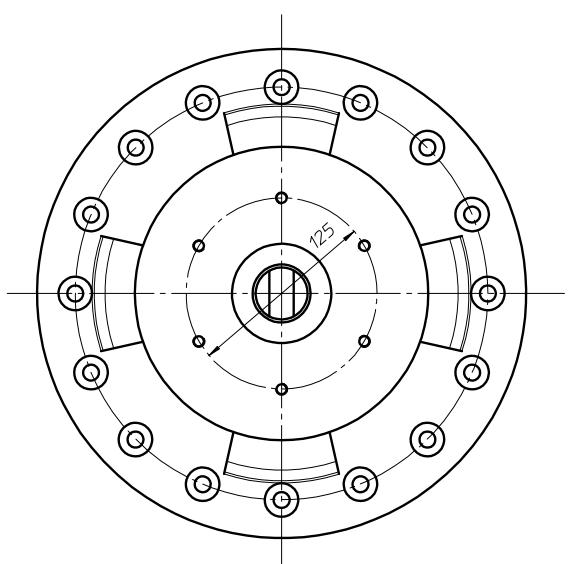
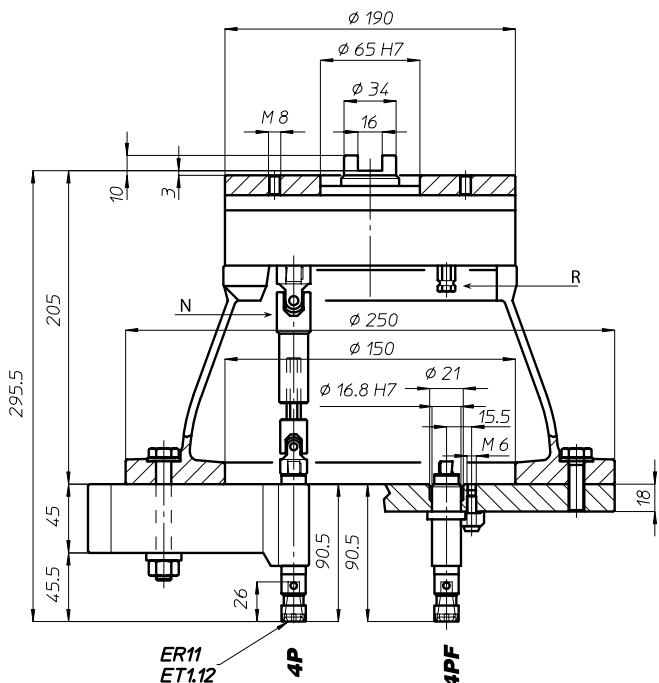
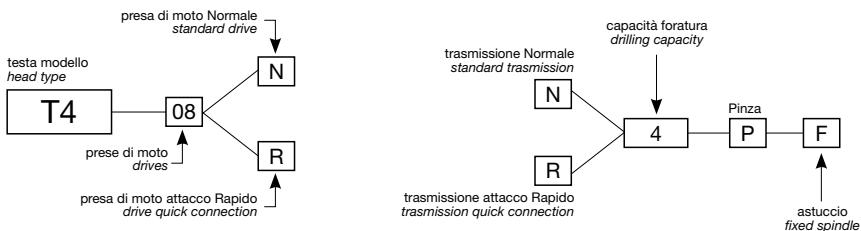
T2Codice testa
Head codeCodice mandrino
Spindle codeN° prese di moto
Nr. spindle drives 08Rapporto
Ratio 1-1Capacità di foratura
Drilling capacity 4Maschiatura
Tapping M4Attacco utensile
Type of spindle ER8Peso gruppo testa
Head weight Kg 3,25Peso gruppo mandrino
Spindle-set weight Kg 0,3area di lavoro
working areaØ A n° mandrini
n° spindles

15	2
17,5	3
21,5	4
26	5
30	6
35	7
39,5	8



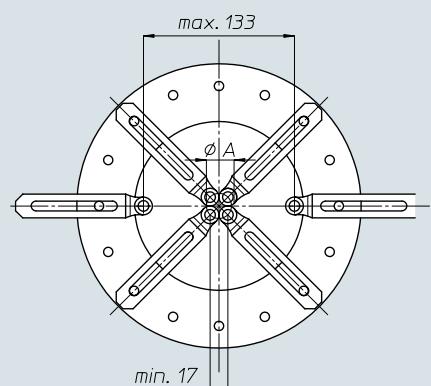
T4

Codice testa Head code	Codice mandrino Spindle code
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	N° prese di moto Nr. spindle drives	08
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	4 5
	Maschiatura Tapping	M4
	Attacco utensile Type of spindle P	ER11
	Peso gruppo testa Head weight	Kg 9,5
	Peso gruppo mandrino Spindle-set weight	Kg 1

area di lavoro
working area



ø A	n° mandrini n° spindles
20	3
24,5	4
29,5	5
34,5	6
39,5	7
45	8

FH

BAH

TA.CP

TA

MO

HT

VH

TSI/TSX

T

MT-Tc-TC3

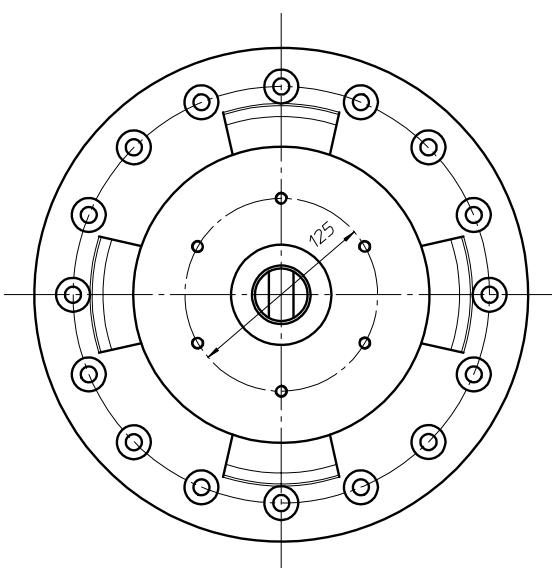
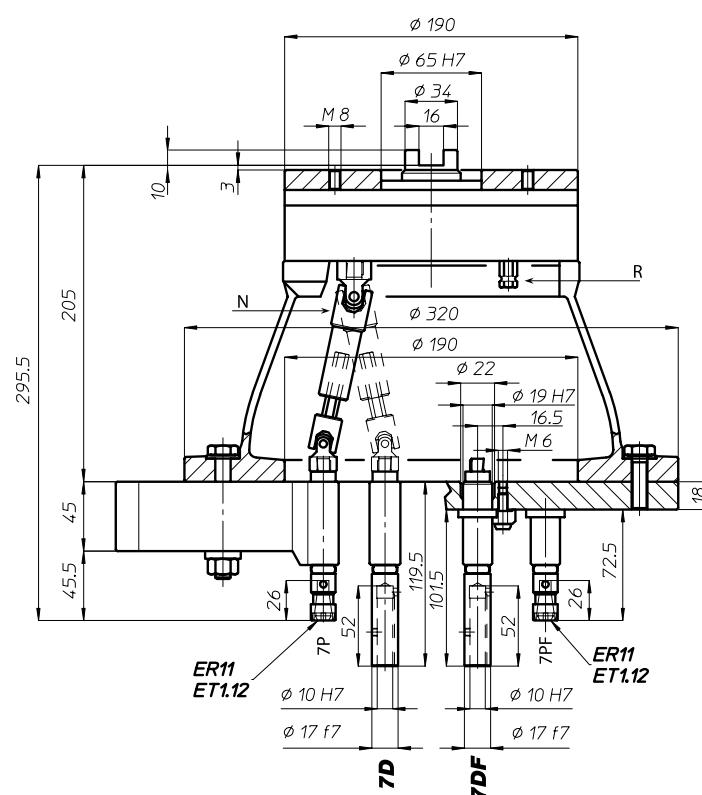
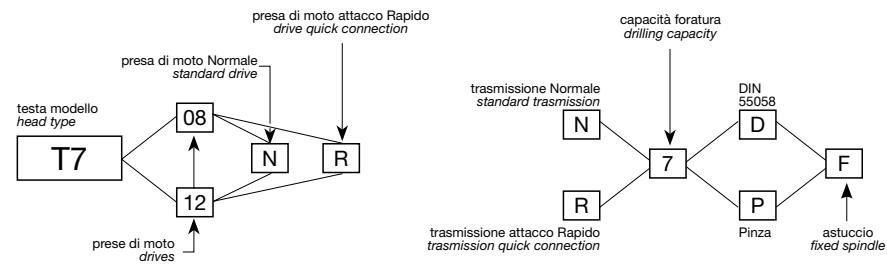
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Accessories

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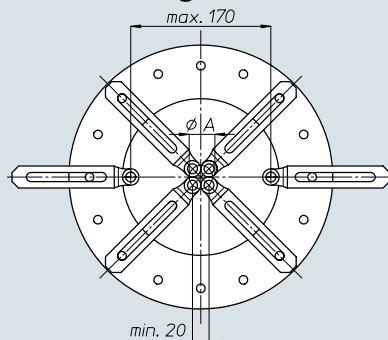


T7

Codice testa Head code	Codice mandrino Spindle code
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area di lavoro working area



ø A n° mandrini
n° spindles

23,5	3
28,5	4
34,5	5
40,5	6
46,5	7
52,5	8
59	9
65,5	10
71,5	11
77,5	12

FH

BAH

TA.CP

TA

MO

HT

VH

TSI/TSX

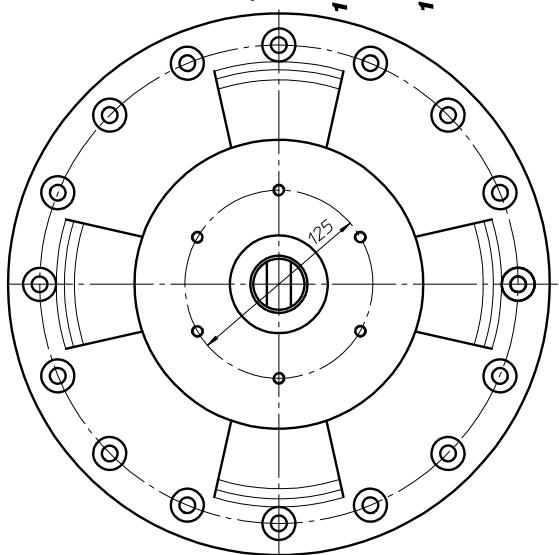
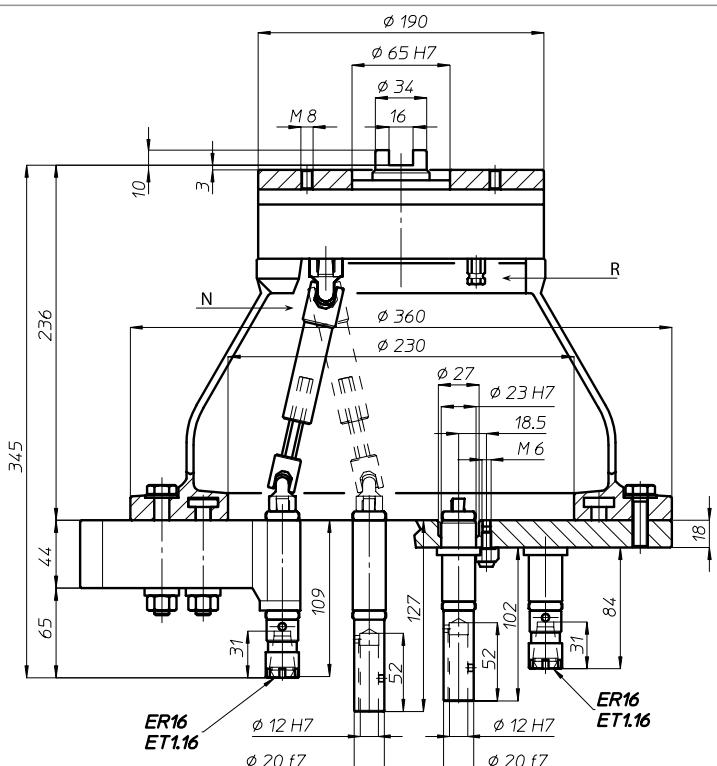
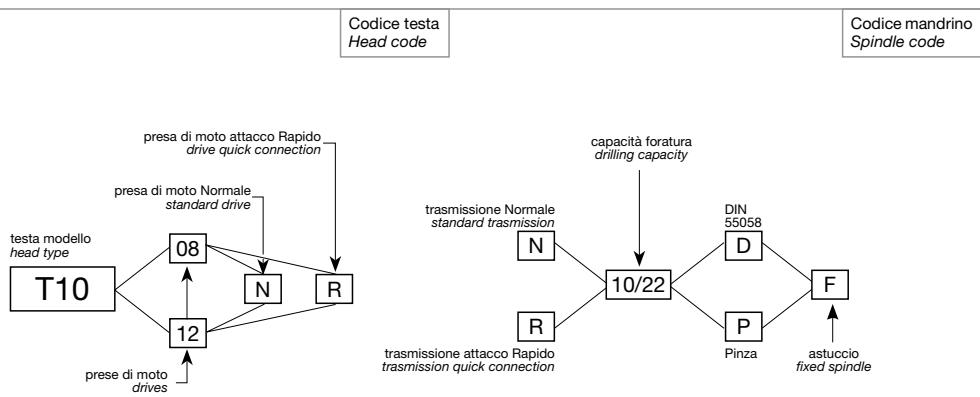
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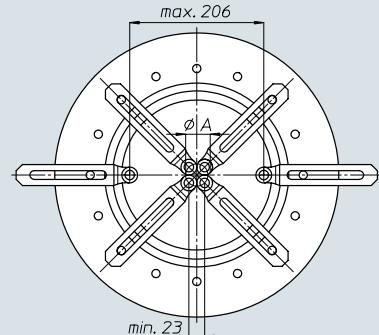
9-4

T10



	N° prese di moto Nr. spindle drives	08-12
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	8 10
	Maschiatura Tapping	M6
	Attacco utensile Type of spindle D P	DIN 55058 Ø12 ER16
	Peso gruppo testa Head weight	Kg 12
	Peso gruppo mandrino Spindle-set weight	Kg 1,5

area di lavoro working area



ø A	n° mandrini n° spindles
27	3
33	4
39,5	5
46,5	6
53,5	7
60,5	8
67,5	9
75	10
82	11
89,5	12

FH

BAH

TA.CP

TA

MO

HT

VH

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N° prese di moto
Nr. spindle drives 08-12

Rapporto
Ratio 1-1

Capacità di foratura
Drilling capacity
acciaio R=500 N/mm²
ghisa: GG25 10
12

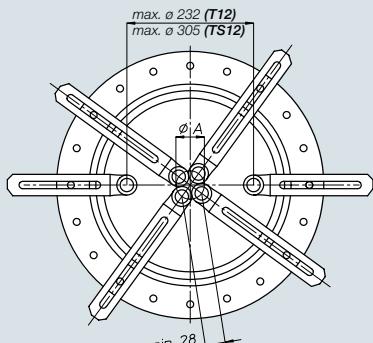
Maschiatura
Tapping M8

Attacco utensile
Type of spindle
D DIN 55058 Ø16
P ER20

Peso gruppo testa
Head weight T12: Kg 20
TS12: Kg 22,5

Peso gruppo mandrino
Spindle-set weight Kg 2

area di lavoro working area



Ø A n° mandrini
n° spindles

33	3
----	---

40	4
----	---

48	5
----	---

56,5	6
------	---

65	7
----	---

74	8
----	---

82,5	9
------	---

91	10
----	----

100	11
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108,5	12
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FH

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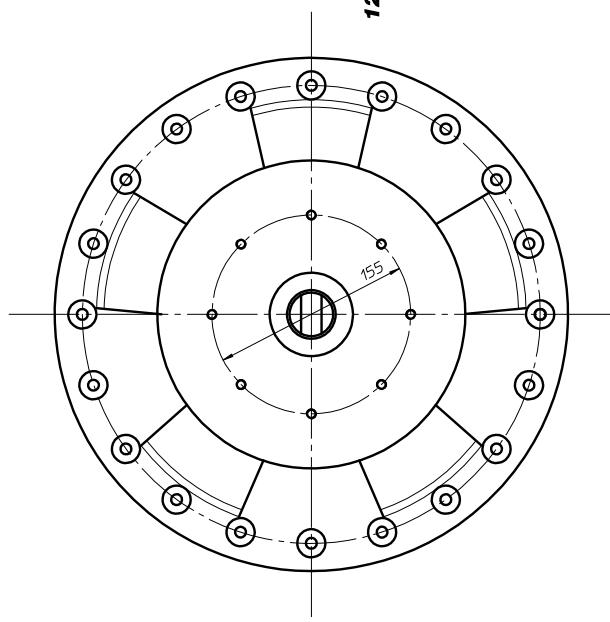
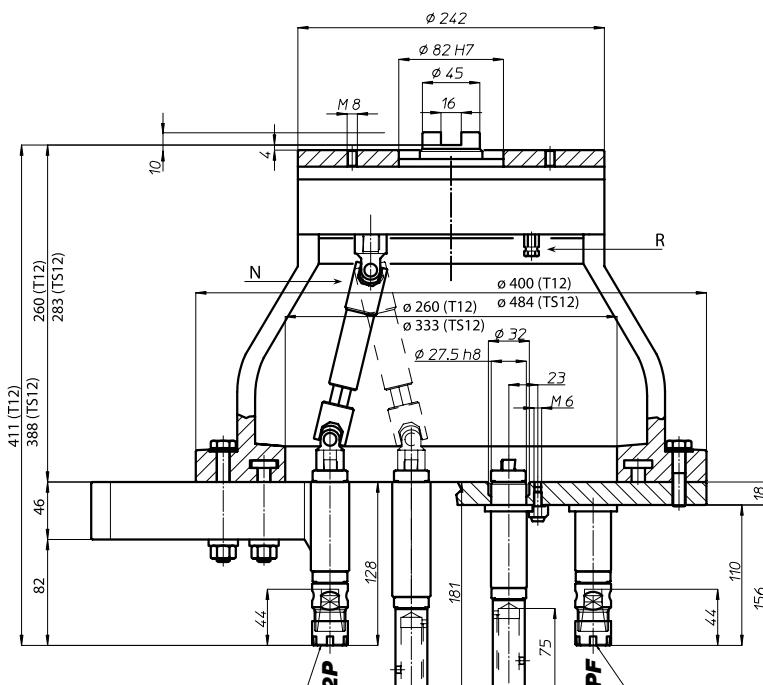
TSI/TSX

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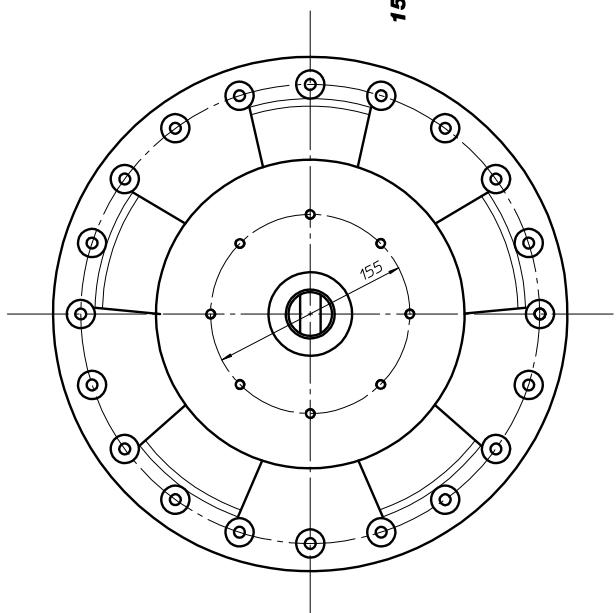
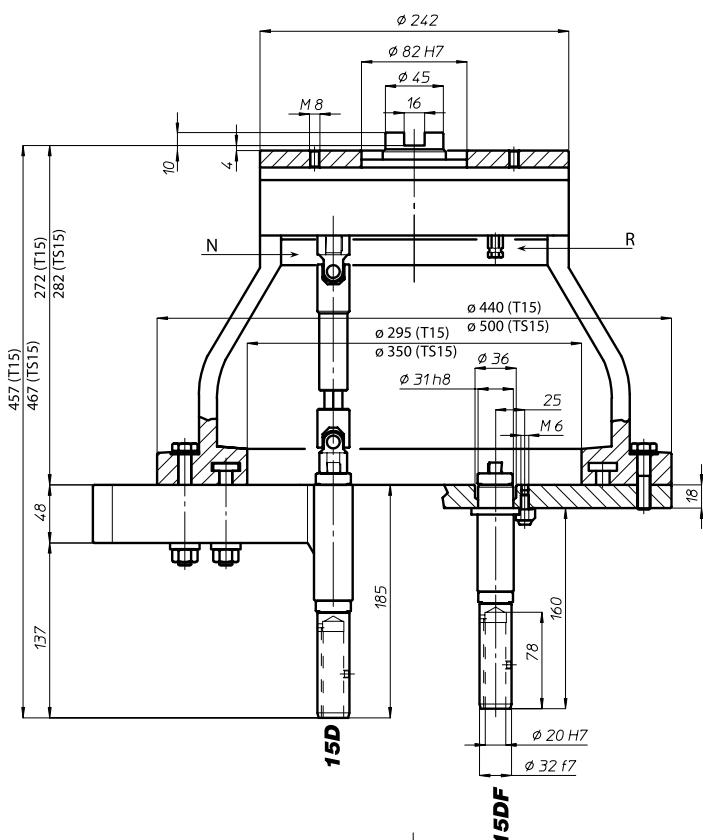
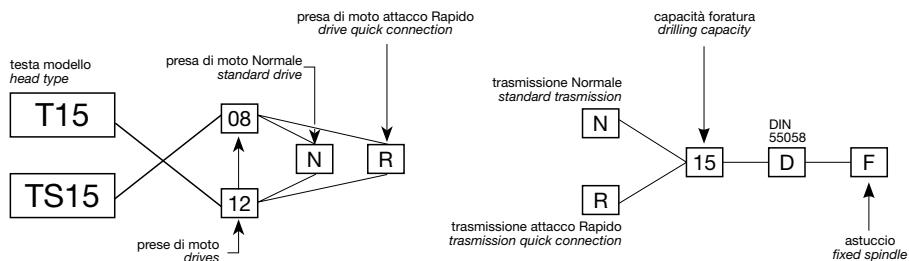
MT-Tc-TC3

Accessori

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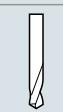
T15-TS15

Codice testa
Head codeCodice mandrino
Spindle codeN° prese di moto
Nr. spindle drives

08-12

Rapporto
Ratio

1-1

Capacità di foratura
Drilling capacity
acciaio R=500 N/mm²
ghisa: GG2513
15Maschiatura
Tapping

M12

Attacco utensile
Type of spindle

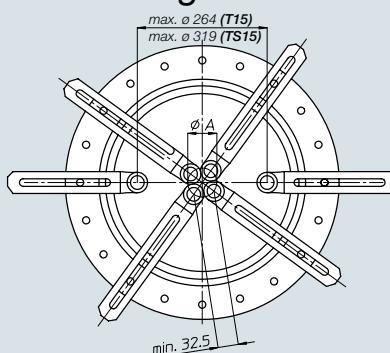
D

DIN 55058 Ø20

Peso gruppo testa
Head weight
T15: Kg 21,5
TS15: Kg 24,5Peso gruppo mandrino
Spindle-set weight

Kg 2,6

area di lavoro working area

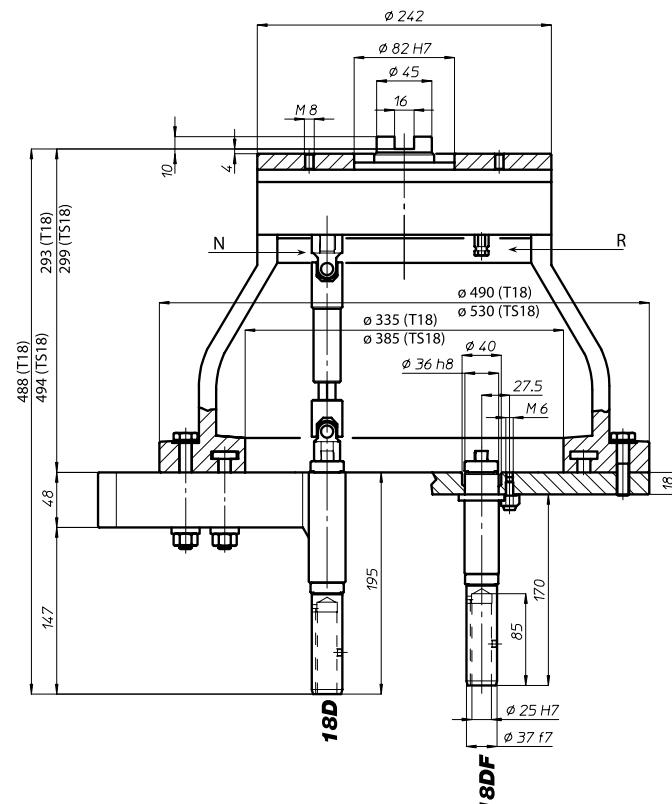
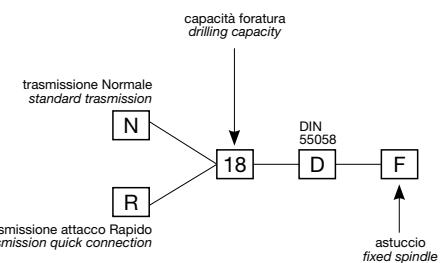
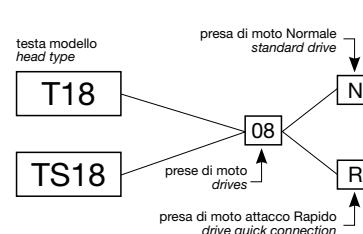
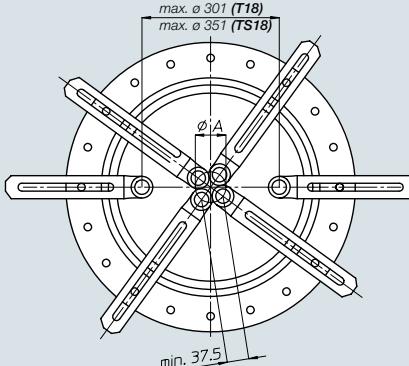
ø A n° mandrini
n° spindles

38	3
46,5	4
56	5
65,5	6
75,5	7
85,5	8
95,5	9
105,5	10
116	11
126	12

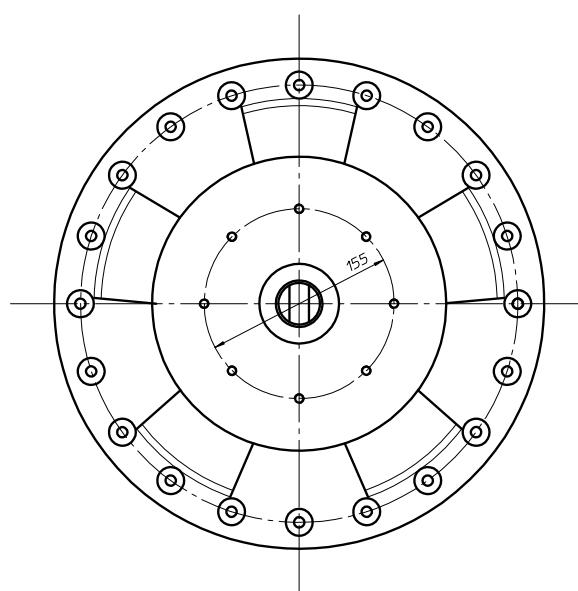
T**TSI/TSX****MT-Tc-Tc3**Accessori
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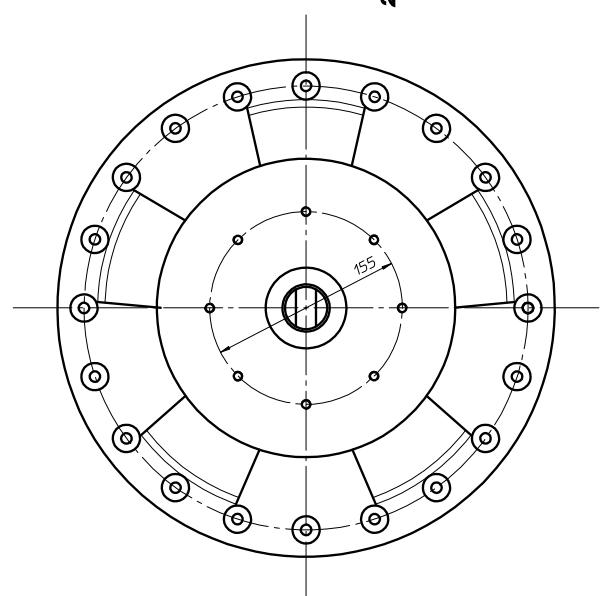
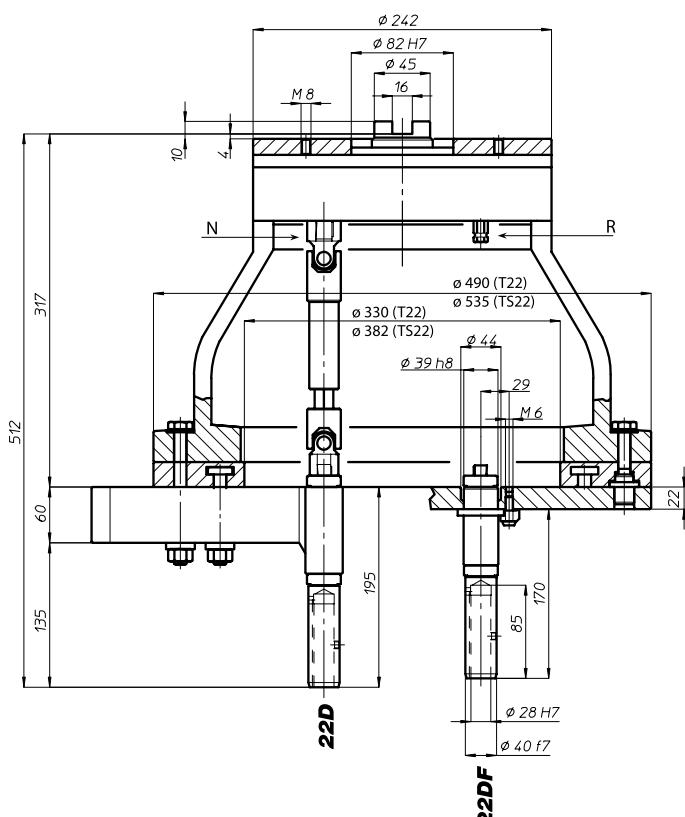
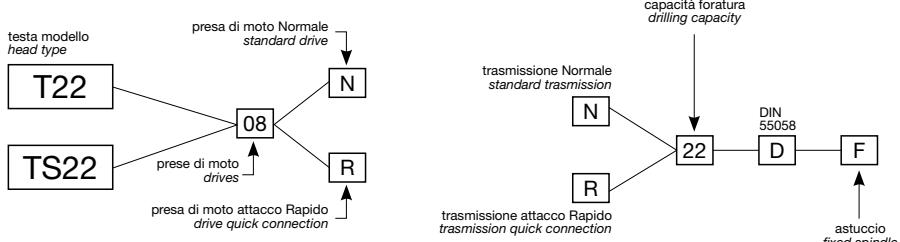
FH**TA.CP****MO****HT****VH**

Codice testa
Head codeCodice mandrino
Spindle codearea di lavoro
working area

Ø A	n° mandrini n° spindles
44	3
53,5	4
64,5	5
75,5	6
87	7
98,5	8

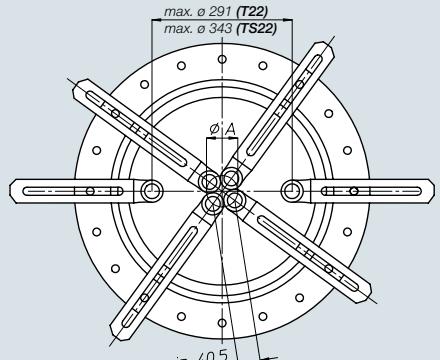


T22-TS22

Codice testa
Head codeCodice mandrino
Spindle code

	N° prese di moto Nr. spindle drives	08
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	20 22
	Maschiatura Tapping	M16
	Attacco utensile Type of spindle DIN 55058 Ø28	DIN 55058 Ø28
	Peso gruppo testa Head weight T22: Kg 38,5 TS22: Kg 41	
	Peso gruppo mandrino Spindle-set weight Kg 5,5	Kg 5,5

area di lavoro
working area



Ø A	n° mandrini n° spindles
47,5	3
58	4
69,5	5
81,5	6
94	7
106,5	8

FH

BAH

TA.CP

MO TA

HT VH

TSI/TSX T

MT-TC-TC3

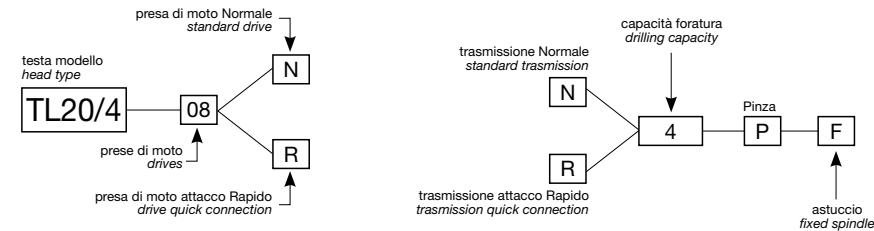
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TL20/4

Codice testa
Head code

Codice mandrino
Spindle code



N° prese di moto
Nr. spindle drives

Rapporto
Ratio

Capacità di foratura
Drilling capacity
acciaio R=500 N/mm²
ghisa: GG25

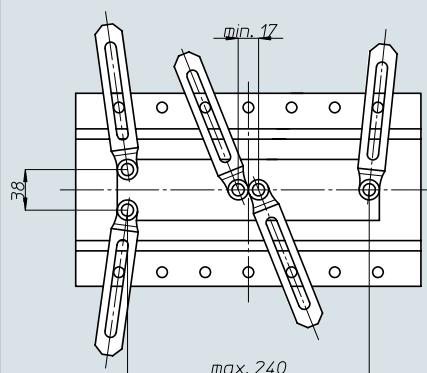
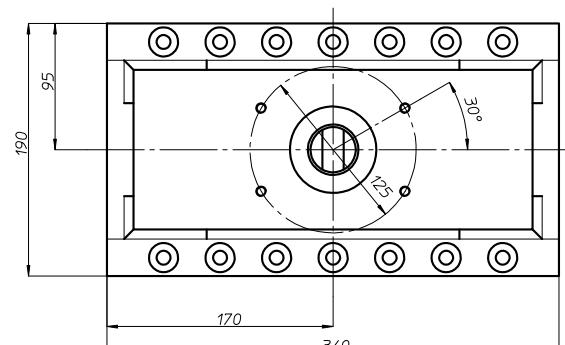
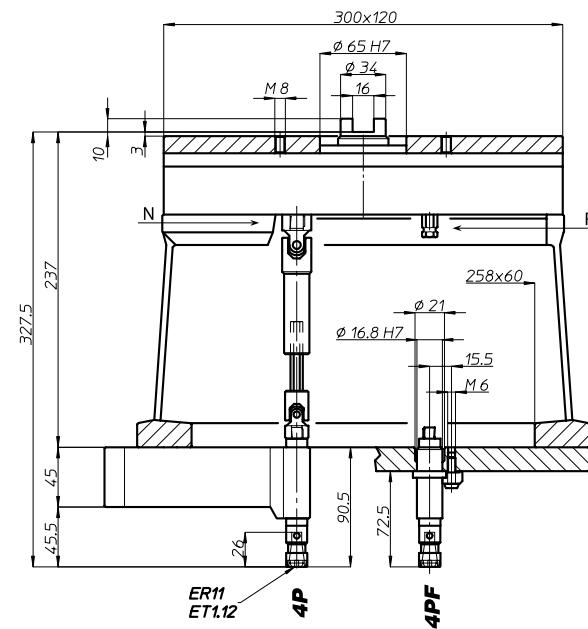
Maschiatura
Tapping

Attacco utensile
Type of spindle

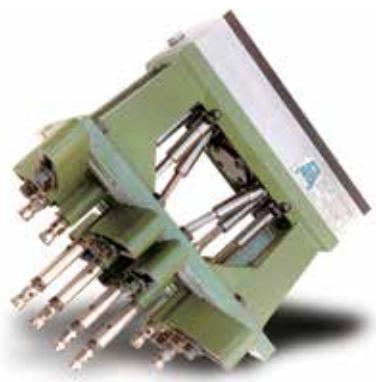
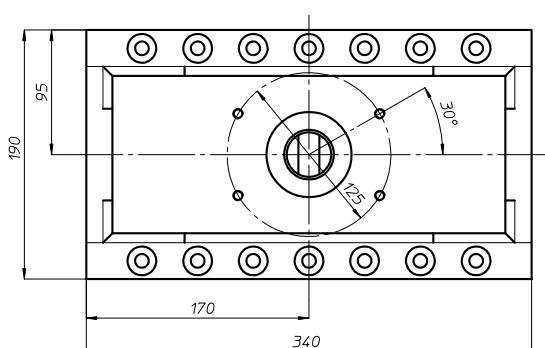
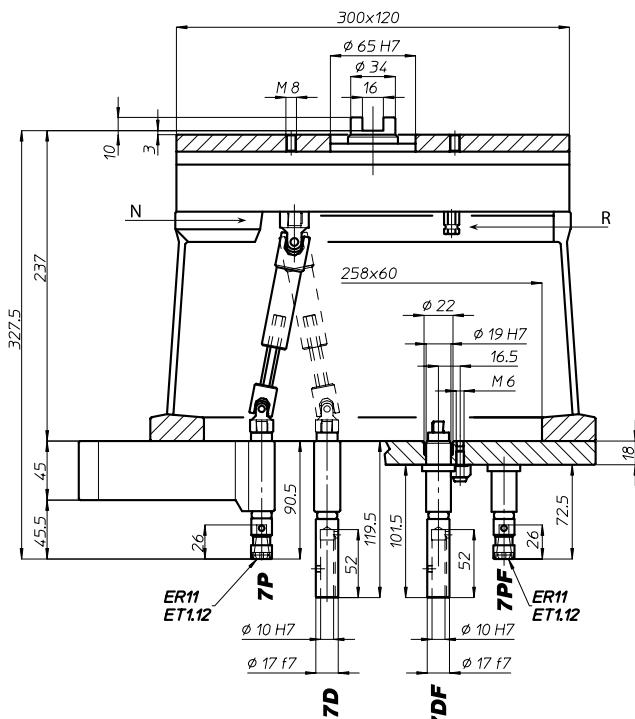
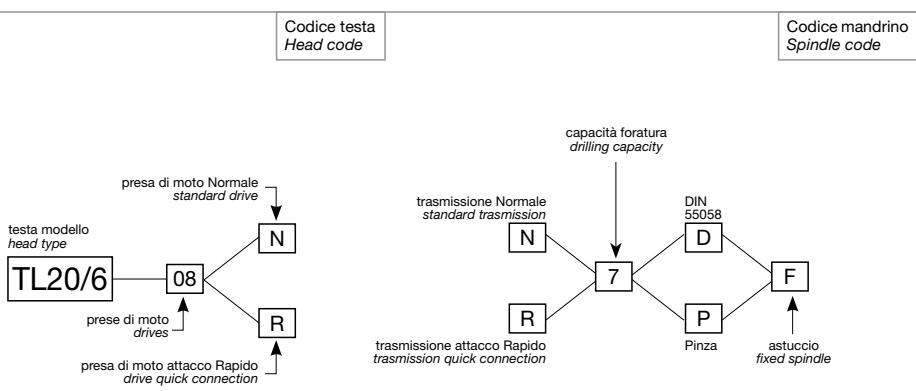
Peso gruppo testa
Head weight

Peso gruppo mandrino
Spindle-set weight

area di lavoro
working area

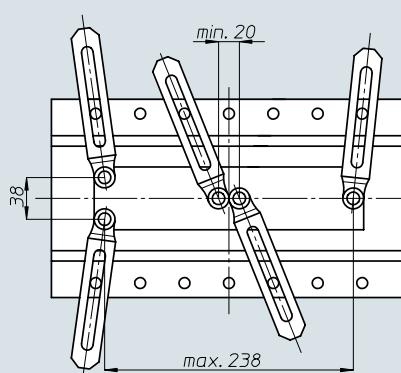


TL20/6



	N° prese di moto Nr. spindle drives	08
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	6 7
	Maschiatura Tapping	M5
	Attacco utensile Type of spindle D P	DIN 55058 Ø10 ER11
	Peso gruppo testa Head weight	Kg 13,5
	Peso gruppo mandrino Spindle-set weight	Kg 1

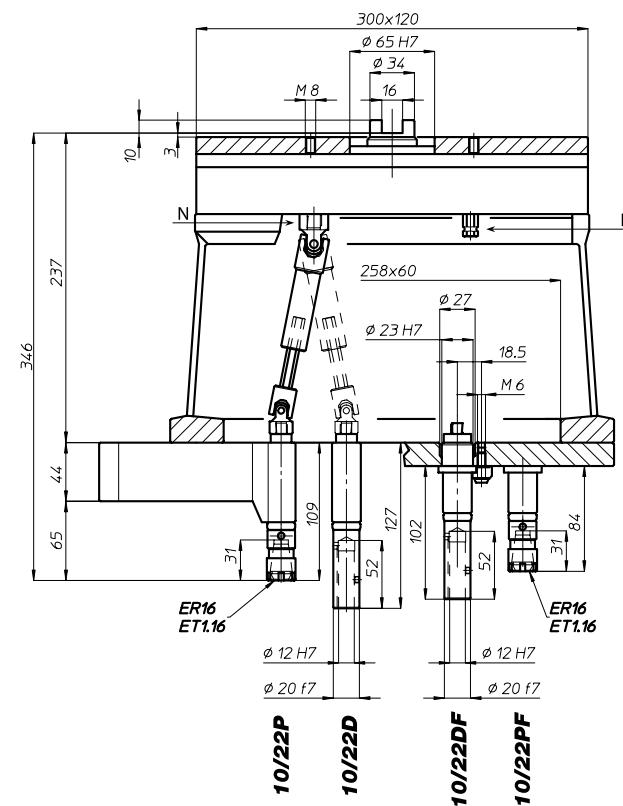
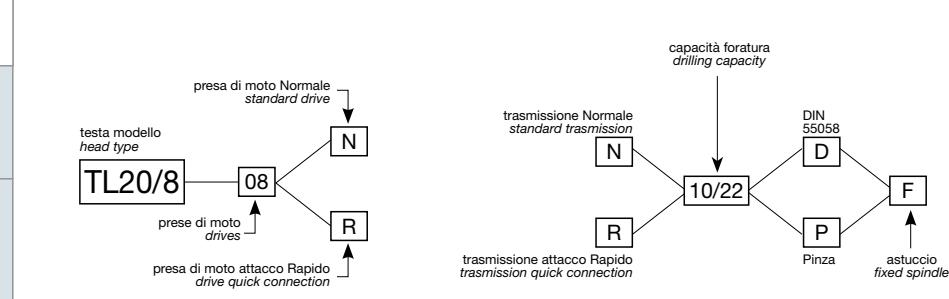
area di lavoro
working area



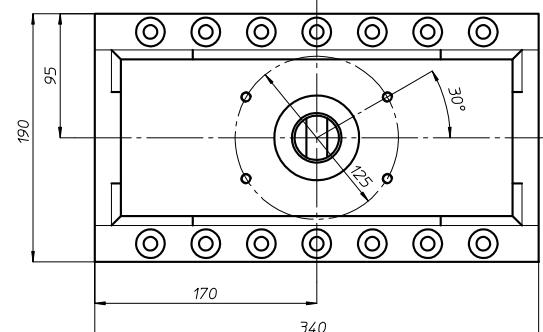
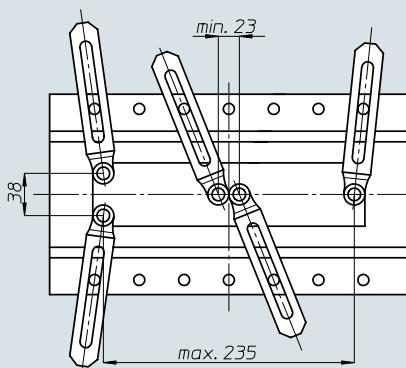


TL20/8

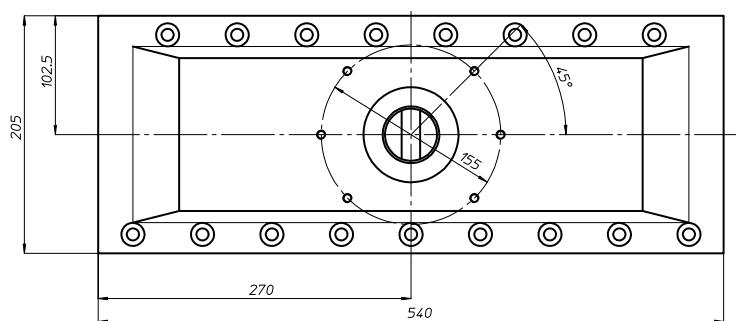
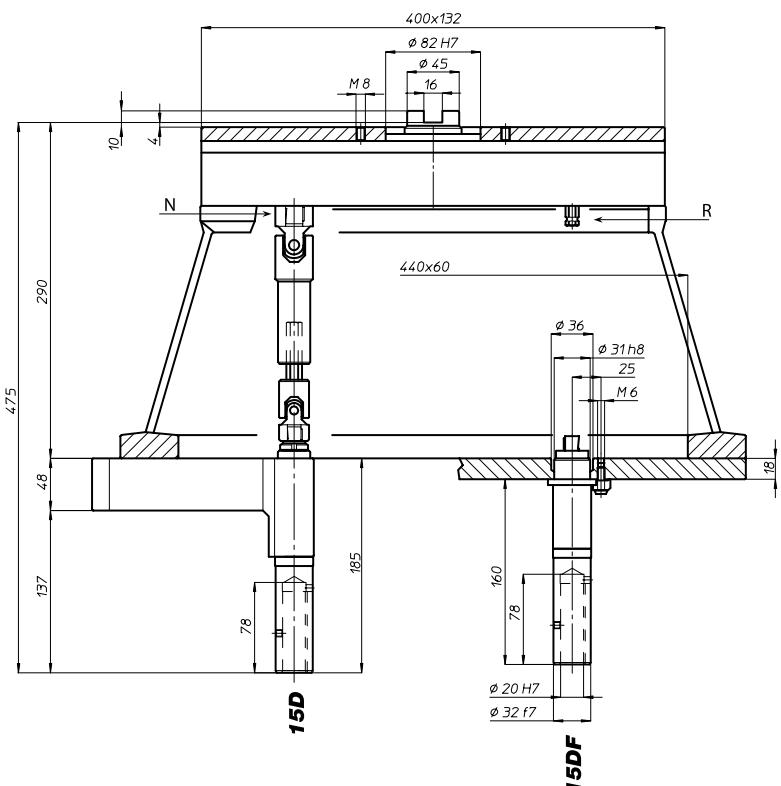
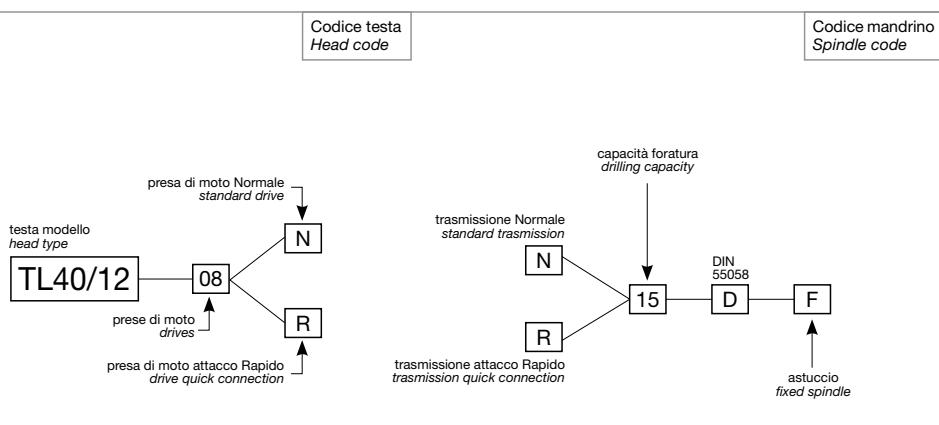
Codice testa Head code	Codice mandrino Spindle code
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area di lavoro *working area*

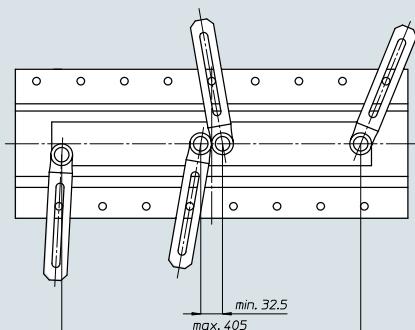


TL40/12



	N° prese di moto Nr. spindle drives	08
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	13 15
	Maschiatura Tapping	M12
	Attacco utensile Type of spindle D	DIN 55058 Ø20
	Peso gruppo testa Head weight	Kg 25
	Peso gruppo mandrino Spindle-set weight	Kg 2,5

area di lavoro
working area



FH

BAH

TA.CP

TA

MO

HT

VH

TSI/TSX

T

MT-Tc-Tc3

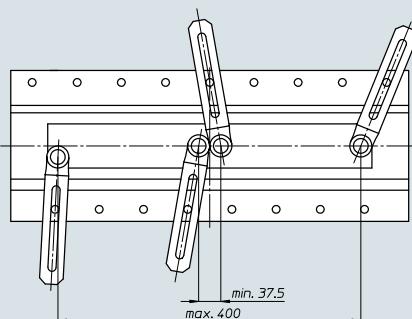
Accessori
Accessories

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Technical supplement

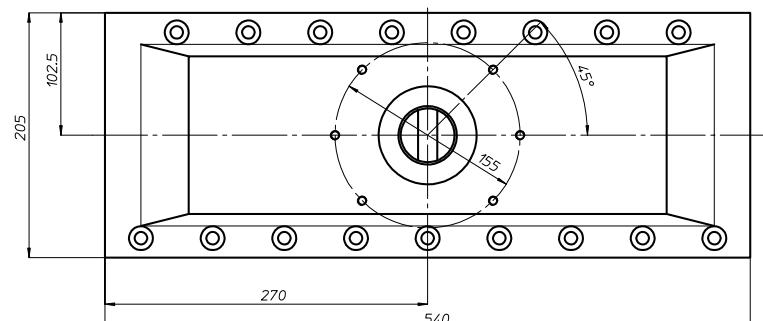
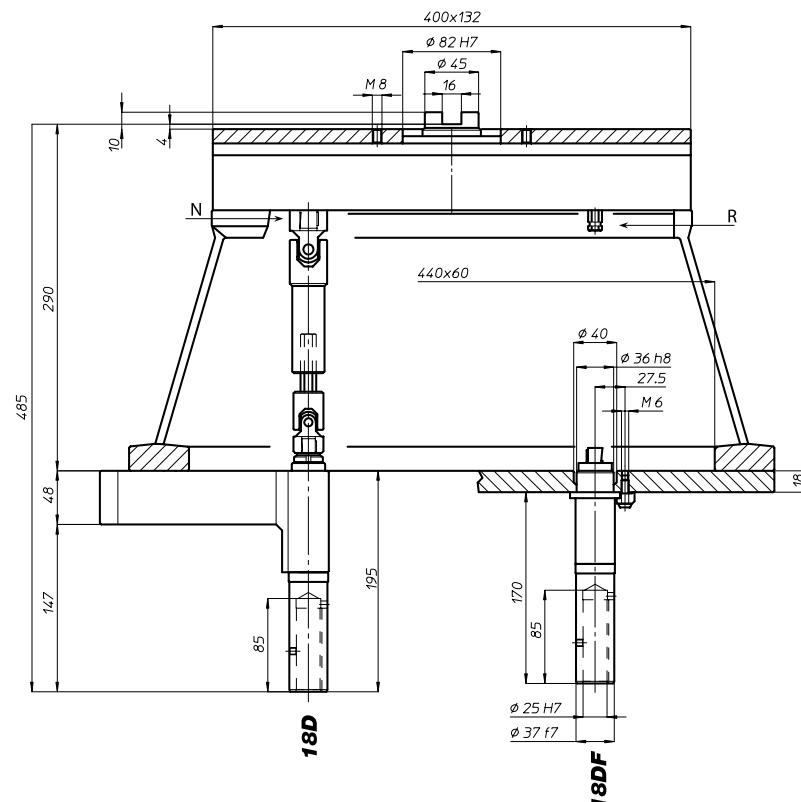
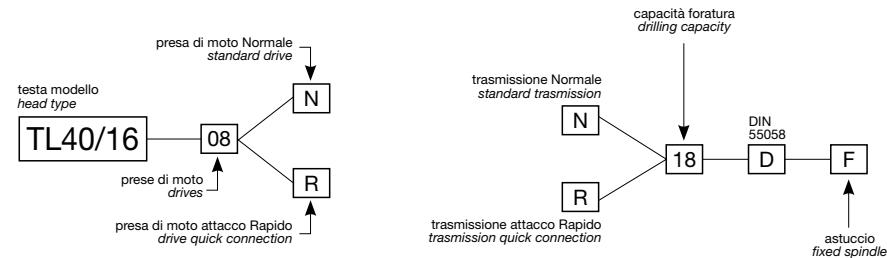


	N° prese di moto Nr. spindle drives	08
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	16 18
	Maschiatura Tapping	M14
	Attacco utensile Type of spindle D	DIN 55058 Ø25
	Peso gruppo testa Head weight	Kg 26
	Peso gruppo mandrino Spindle-set weight	Kg 2,5

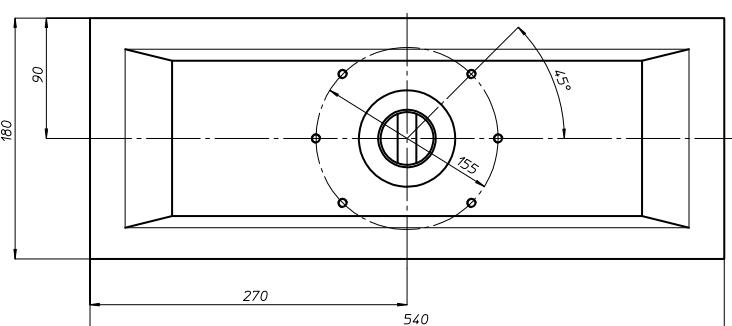
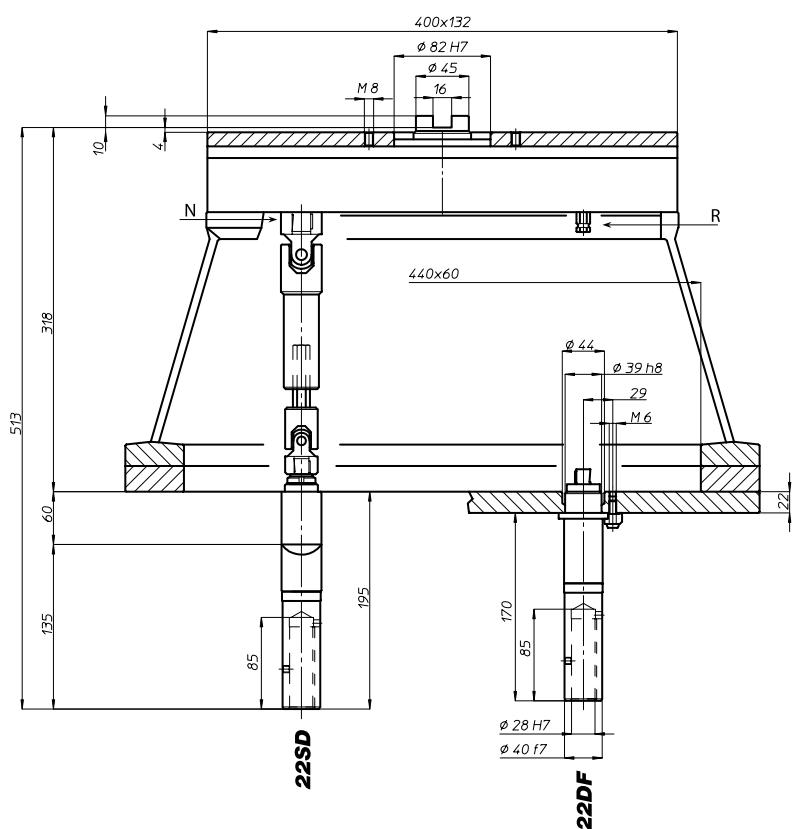
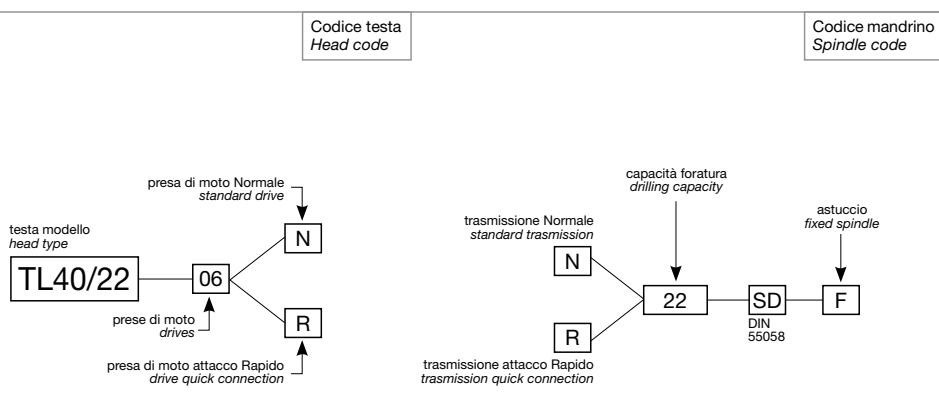
area di lavoro working area



Codice testa Head code	Codice mandrino Spindle code
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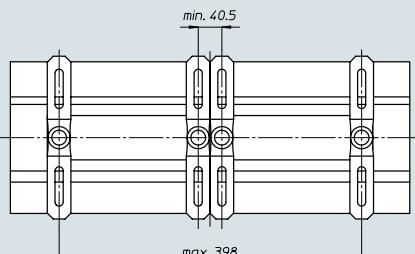


TL40/22



	N° prese di moto Nr. spindle drives	06
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	20 22
	Maschiatura Tapping	M16
	Attacco utensile Type of spindle D	DIN 55058 Ø28
	Peso gruppo testa Head weight	Kg 37
	Peso gruppo mandrino Spindle-set weight	Kg 5

area di lavoro
working area



FH
BAH
TA.CP
TA

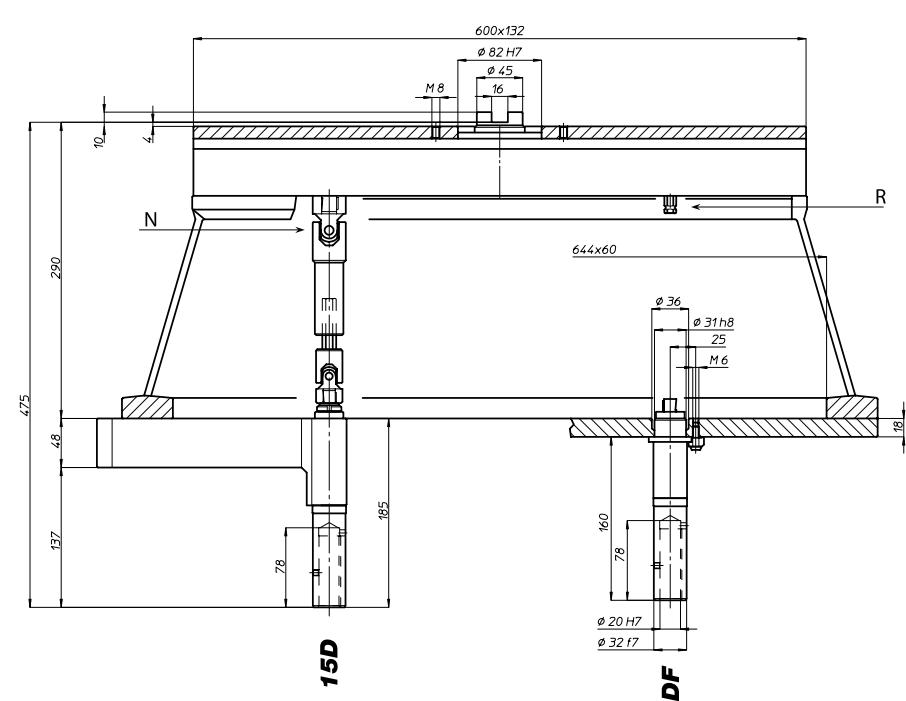
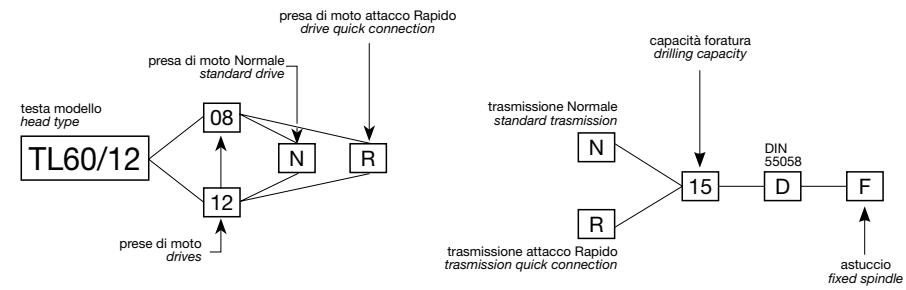
MO
HT

HT
VH

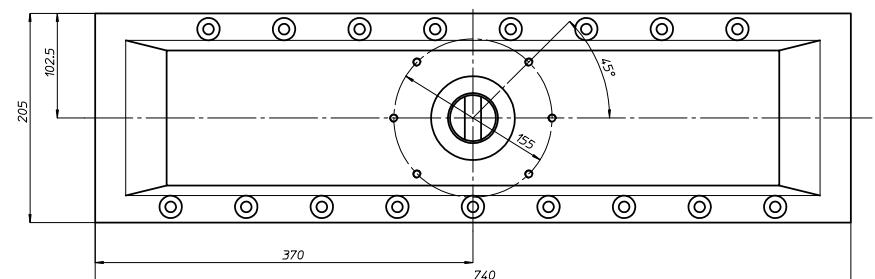
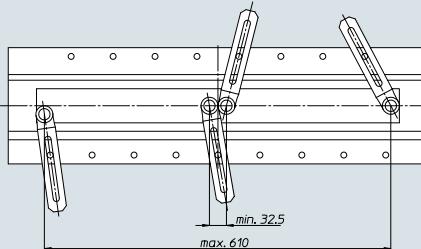
TSI/TSX
T

MT-Tc-Tc3
Accessori
Accessories

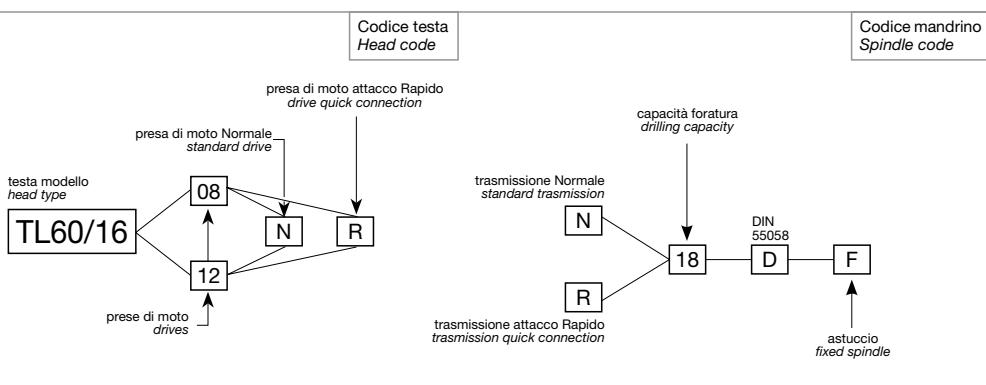
Appendice tecnica
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Codice testa
Head codeCodice mandrino
Spindle code

area di lavoro
working area

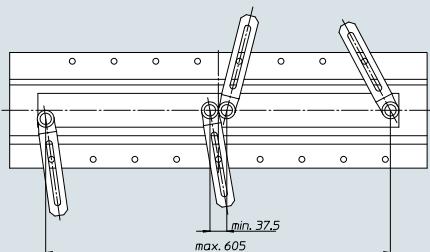
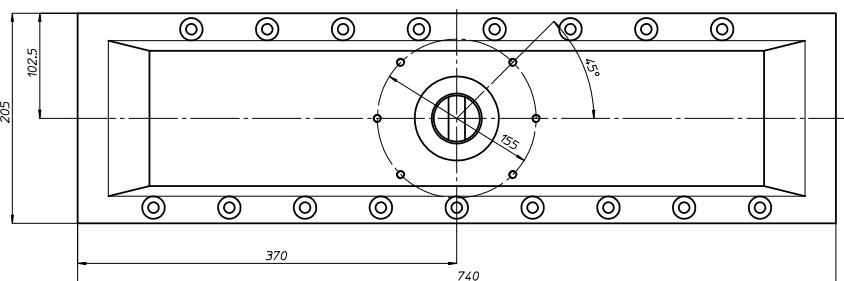


TL60/16



	N° prese di moto Nr. spindle drives	08-12
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	16 18
	Maschiatura Tapping	M14
	Attacco utensile Type of spindle D	DIN 55058 Ø25
	Peso gruppo testa Head weight	Kg 36
	Peso gruppo mandrino Spindle-set weight	Kg 2,5

area di lavoro
working area



FH

BAH

TA.CP

TA

MO

HT

VH

TSI/TSX

T

MT-Tc-Tc3

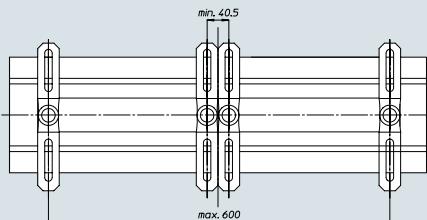
Accessori
Accessories

Appendice tecnica
Technical supplement



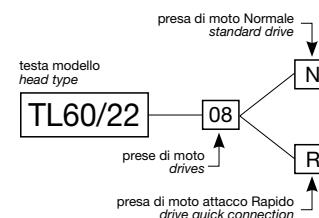
	N° prese di moto Nr. spindle drives	08
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	20 22
	Maschiatura Tapping	M16
	Attacco utensile Type of spindle D DIN 55058 Ø28	
	Peso gruppo testa Head weight	Kg 47,5
	Peso gruppo mandrino Spindle-set weight	Kg 5

area di lavoro working area

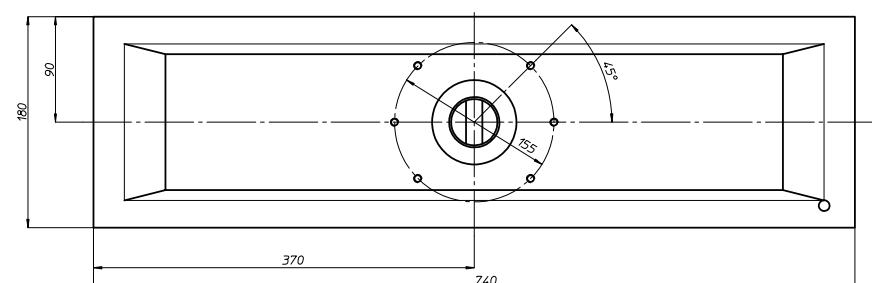
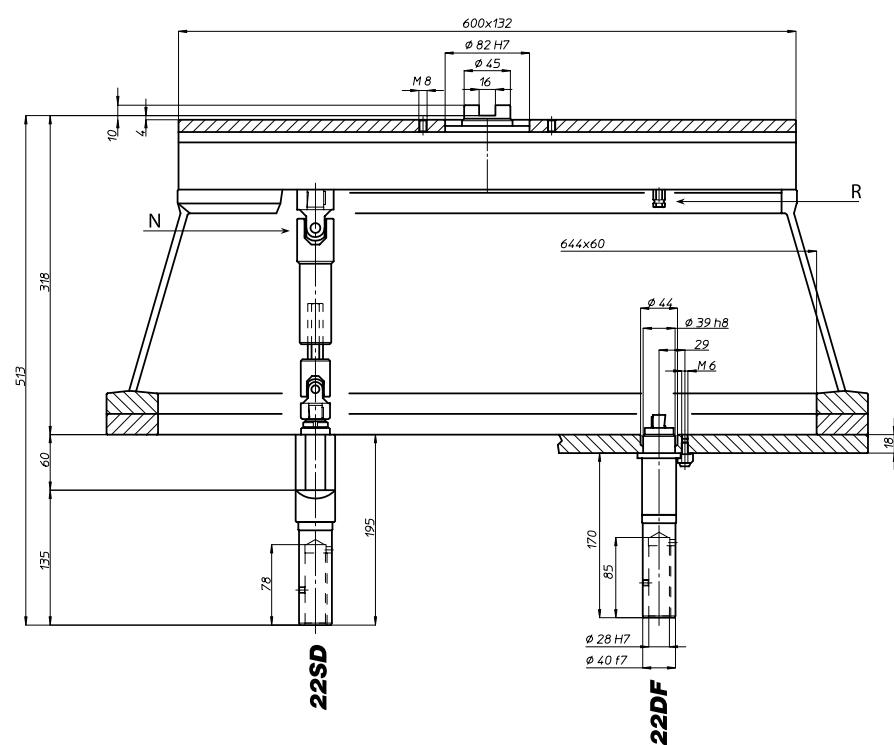
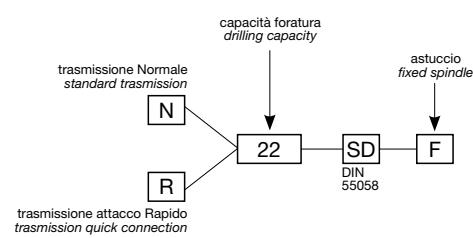


TL60/22

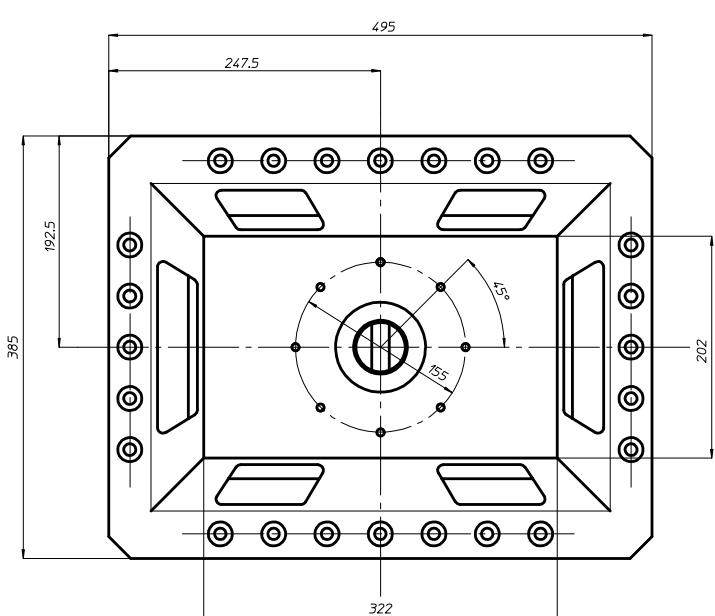
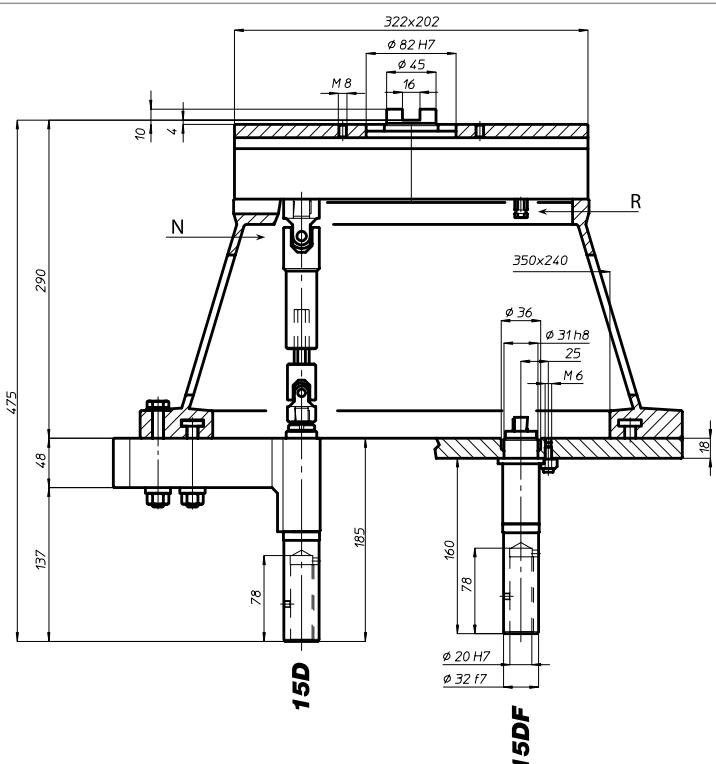
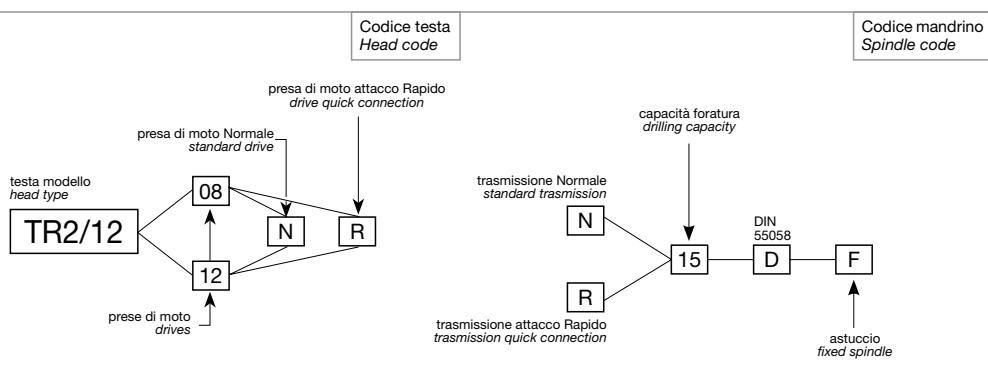
Codice testa
Head code



Codice mandrino
Spindle code

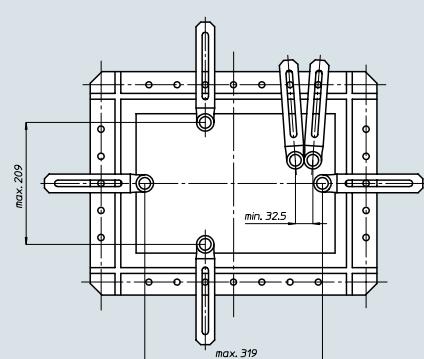


TR2/12



	N° prese di moto / Nr. spindle drives	08-12
	Rapporto / Ratio	1-1
	Capacità di foratura / Drilling capacity	acciaio R=500 N/mm ²
		ghisa: GG25
	Maschiatura / Tapping	M12
	Attacco utensile / Type of spindle	D DIN 55058 Ø20
	Peso gruppo testa / Head weight	Kg 30
	Peso gruppo mandrino / Spindle-set weight	Kg 2,6

area di lavoro
working area



FH

BAH

TA.CP

TA

MO

HT

VH

TSI/TSX

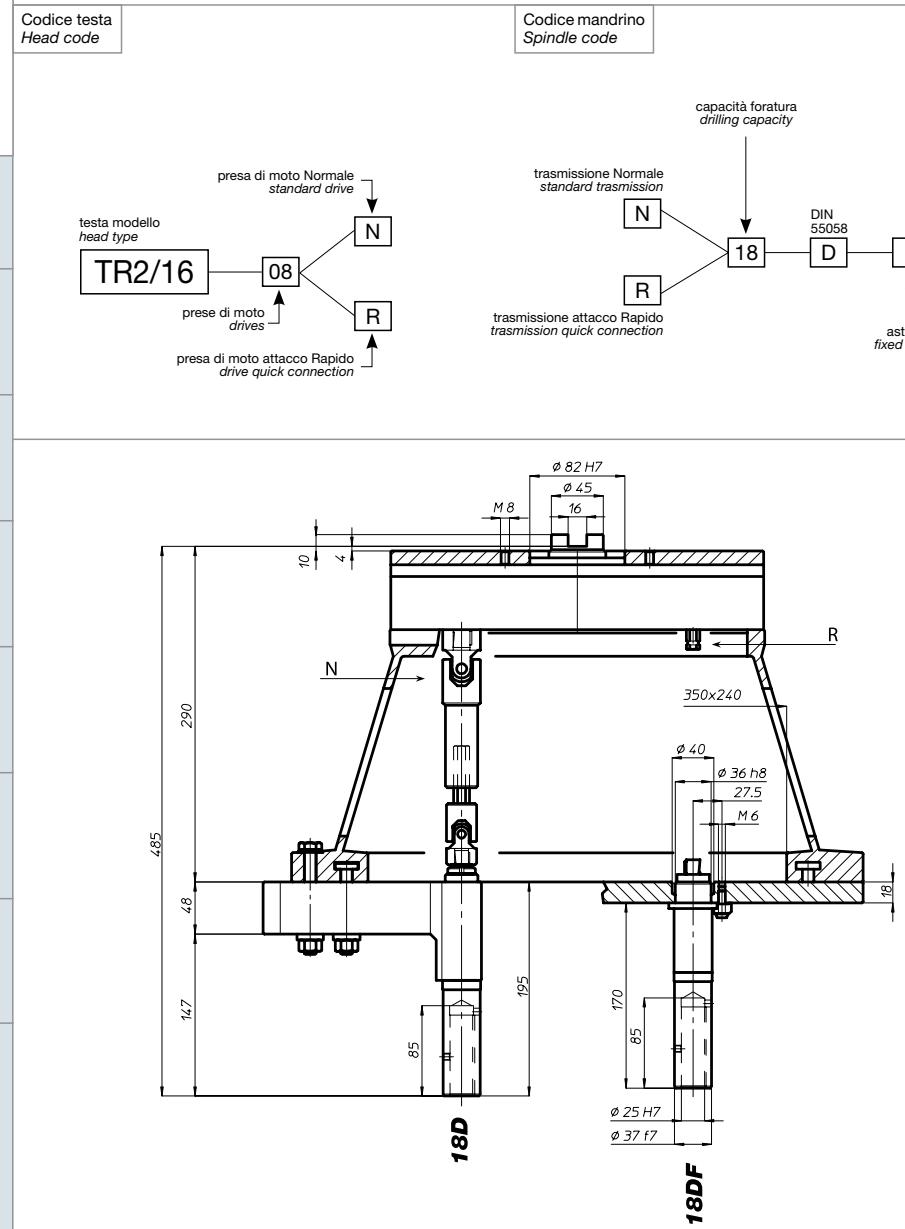
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MT-Tc-Tc3

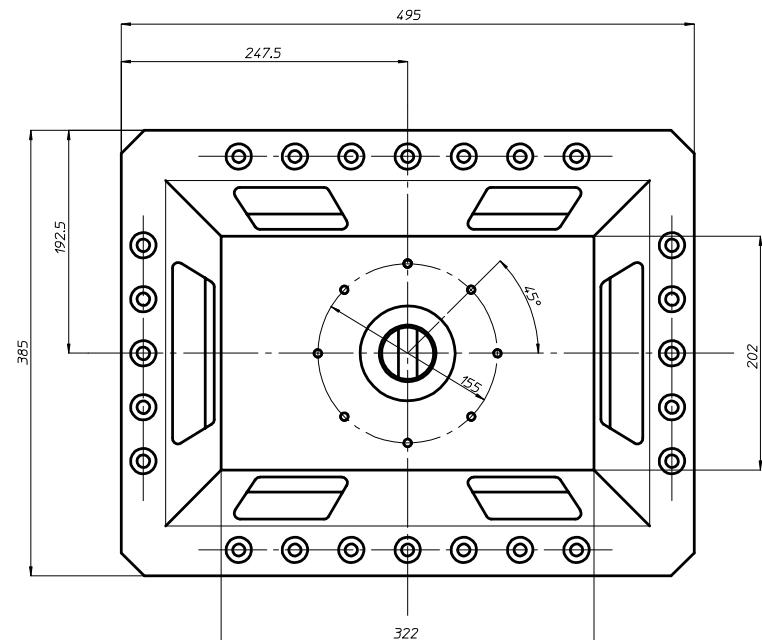
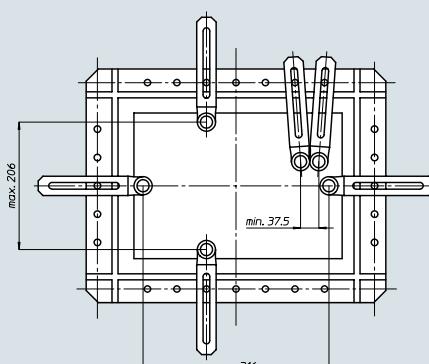
Accessori / Accessories

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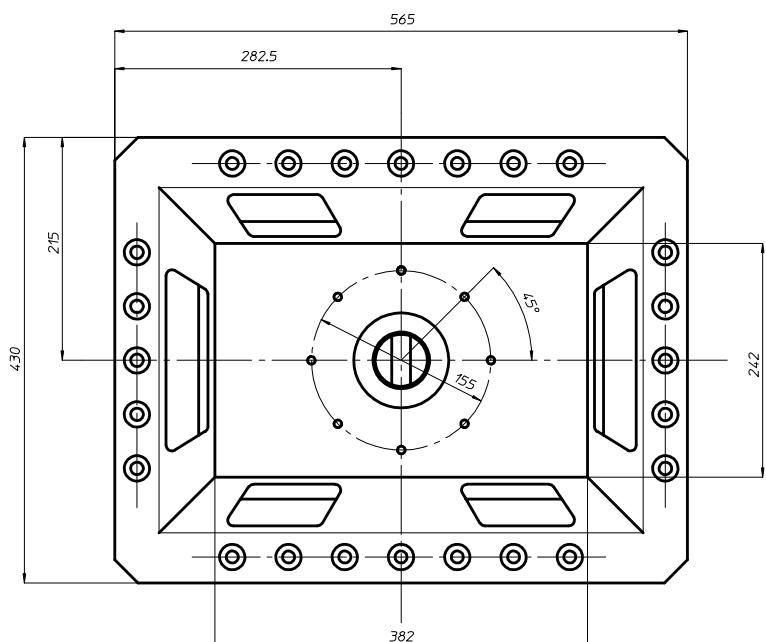
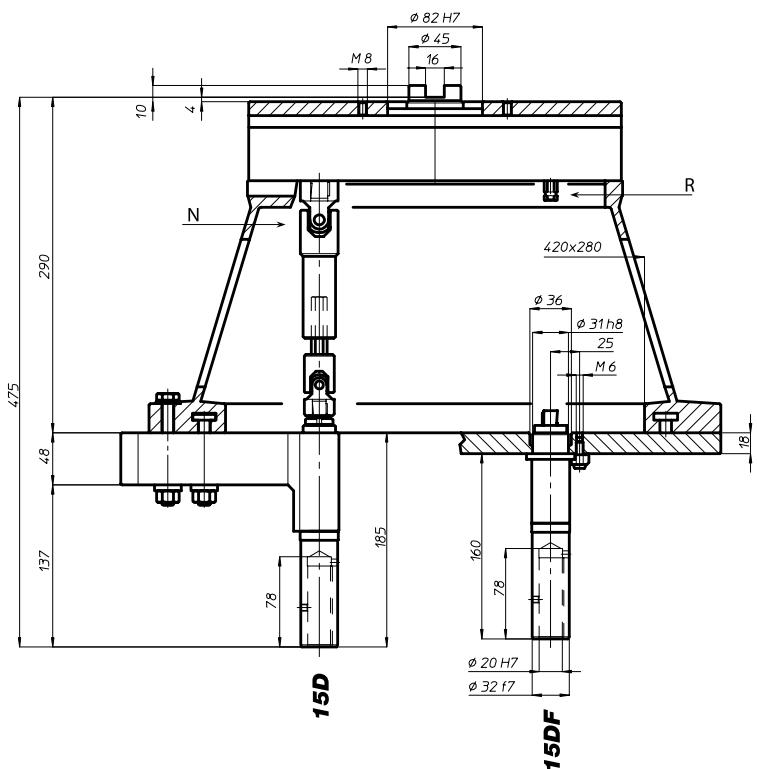
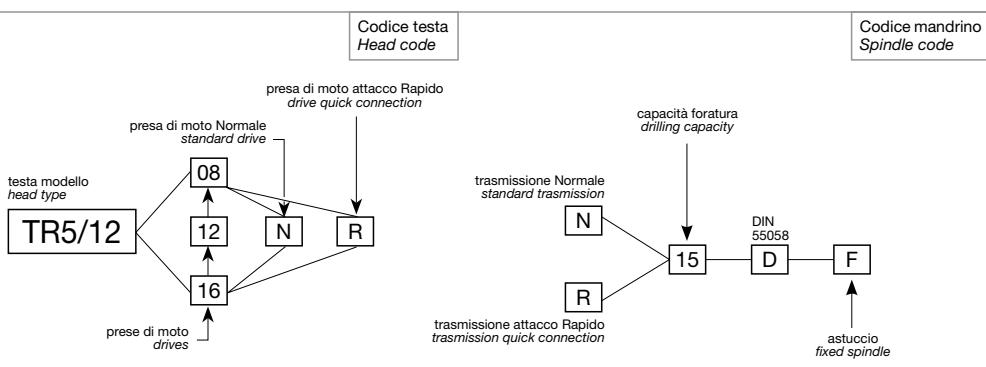
9-19



area di lavoro
working area

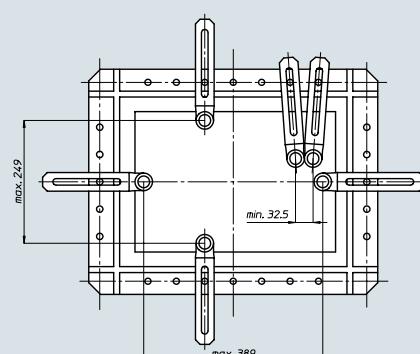


TR5/12



	N° prese di moto Nr. spindle drives	08-12-16
	Rapporto Ratio	1-1
	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	13 15
	Maschiatura Tapping	M12
	Attacco utensile Type of spindle D	DIN 55058 Ø20
	Peso gruppo testa Head weight	Kg 34,5
	Peso gruppo mandrino Spindle-set weight	Kg 2,6

area di lavoro
working area



FH

BAH

TA.CP

TA

MO

HT

VH

TSI/TSX

T

MT-TC-TC3

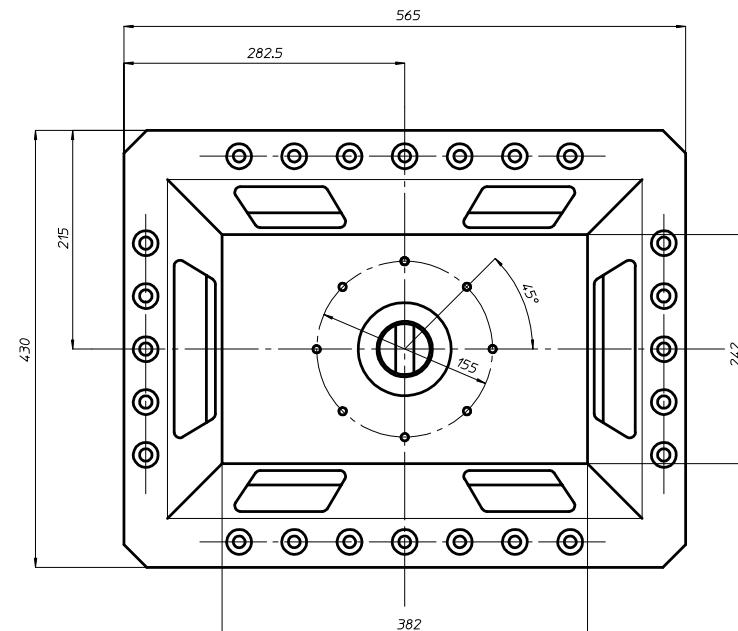
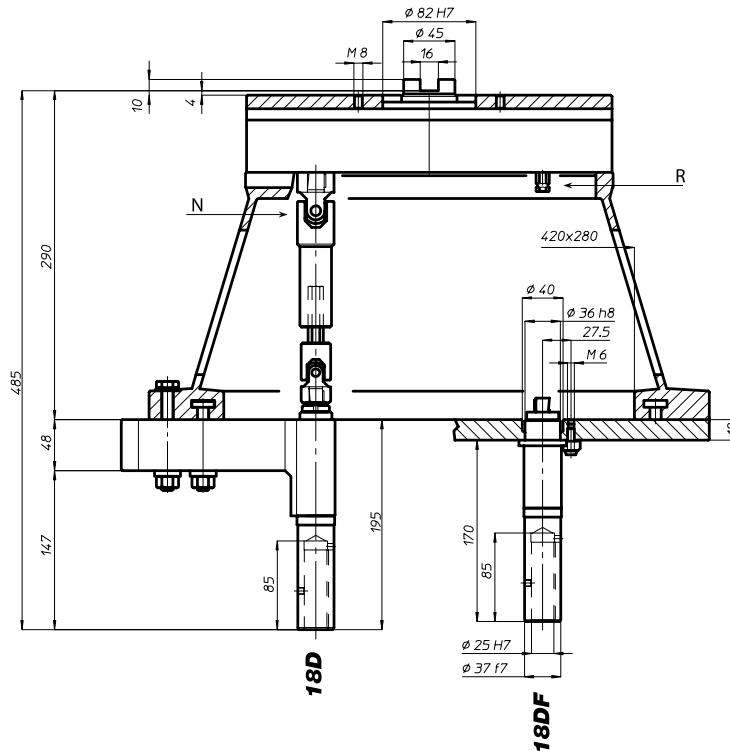
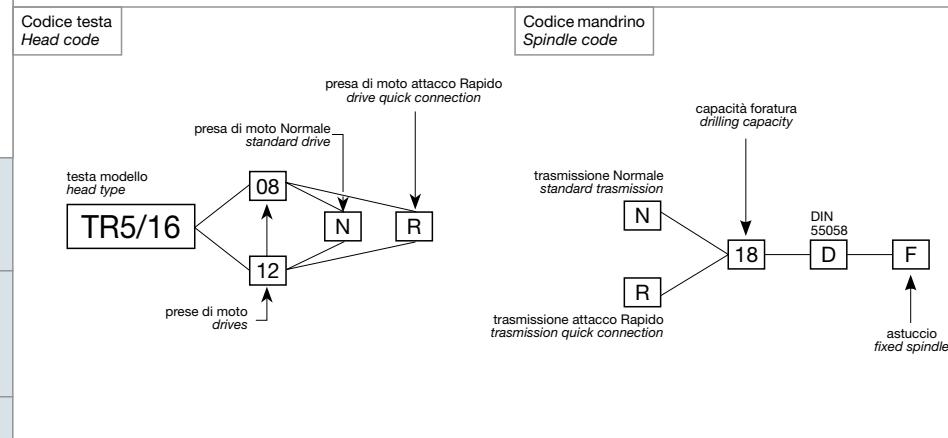
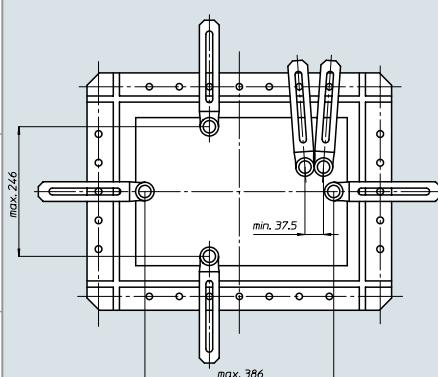
Accessori
AccessoriesAppendice tecnica
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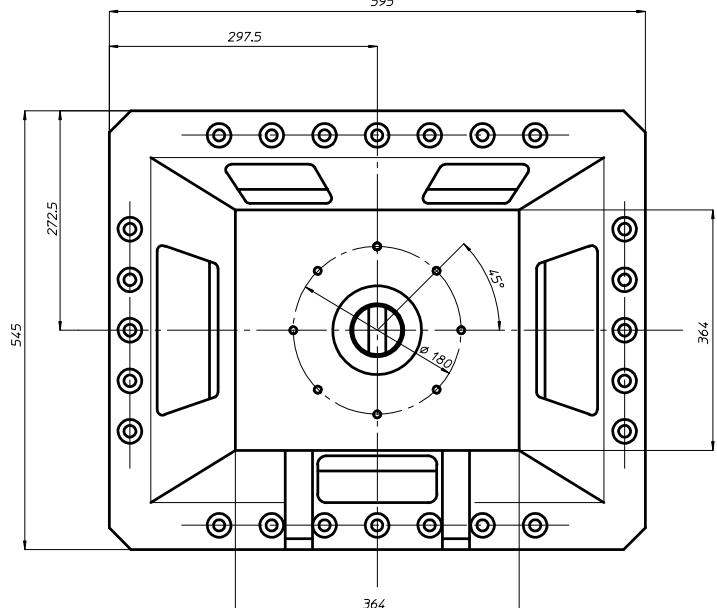
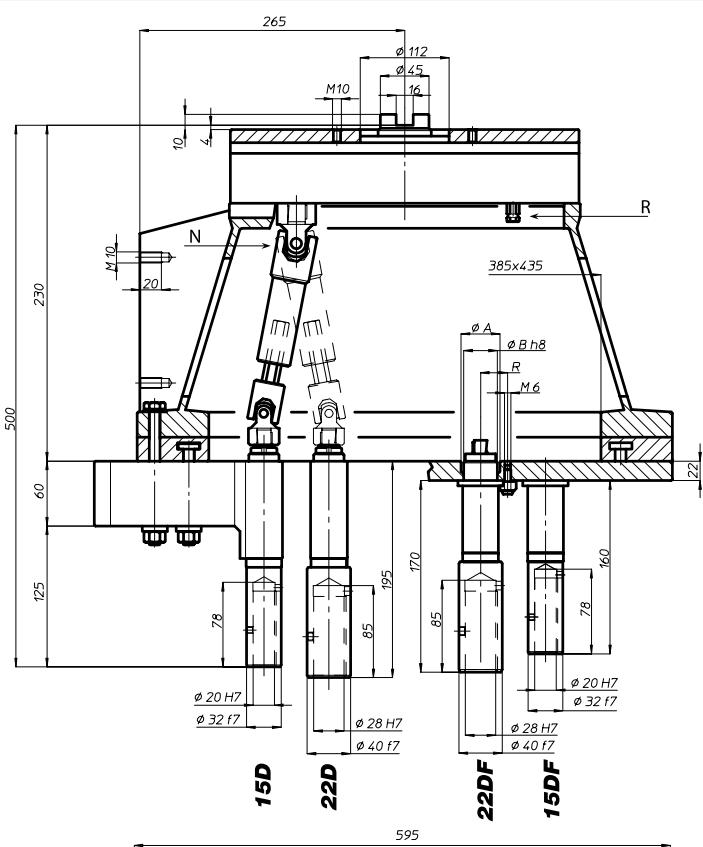
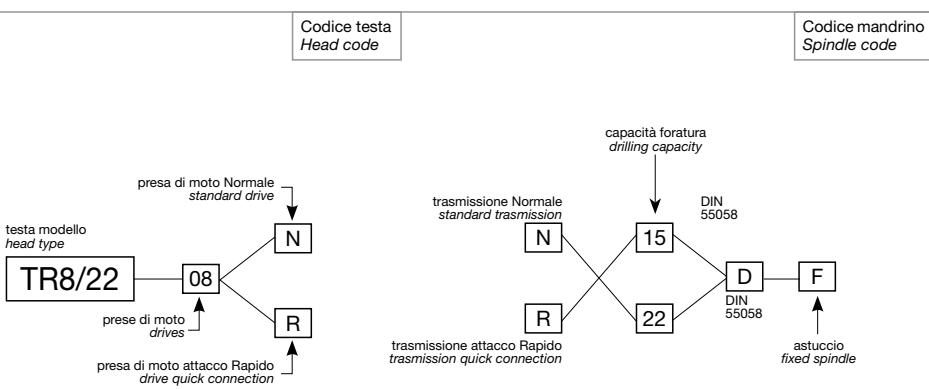


N° prese di moto Nr. spindle drives	08-12
Rapporto Ratio	1-1
Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	16 18
Maschiatura Tapping	M14
Attacco utensile Type of spindle D	DIN 55058 Ø25
Peso gruppo testa Head weight	Kg 36
Peso gruppo mandrino Spindle-set weight	Kg 3,3

area di lavoro working area



TR8/22



	N° prese di moto Nr. spindle drives	12
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	Rapporto Ratio	1-1,5
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	Capacità di foratura Drilling capacity acciaio R=500 N/mm ² ghisa: GG25	15D: 13 22D: 20 15D: 15 22D: 22
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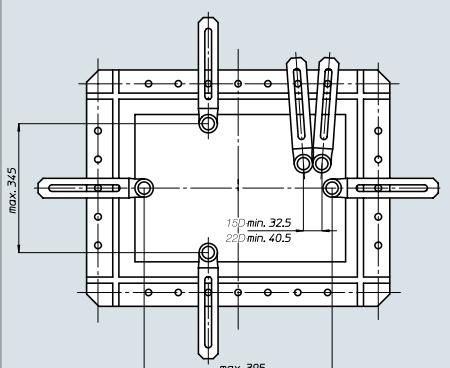
	Maschiatura Tapping	15D: M12 22D: M16
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	Attacco utensile Type of spindle D	DIN 55058 020-028
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	Peso gruppo testa Head weight	Kg 86
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	Peso gruppo mandrino Spindle-set weight	15D: Kg 4 22D: Kg 5,5
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area di lavoro
working area



FH

BAH

TA.CP

MO

HT

VH

TSI/TSX

MT-Tc-Tc3

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Accessories

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9-23



TM400

Codice testa
Head codetesta modello
head type

TM400

12

R

prese di moto
drivespresa di moto attacco Rapido
drive quick connection

TA

MO

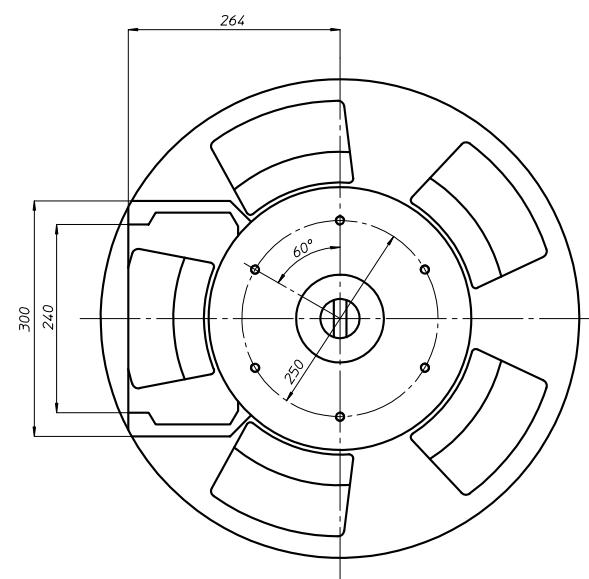
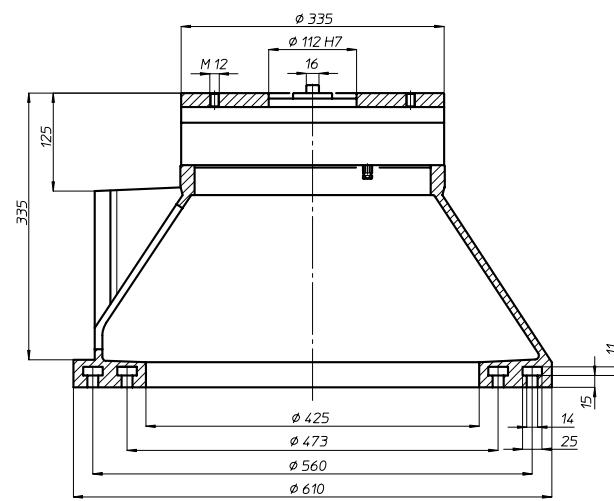
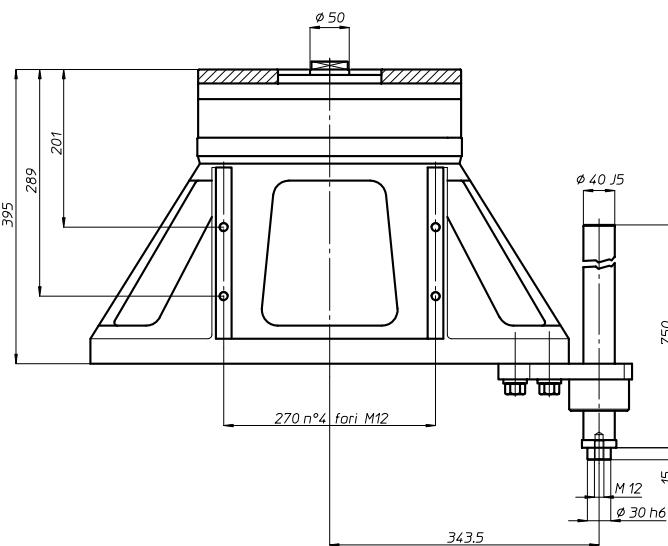
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VH

TSI/TSX

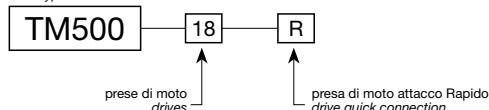
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MT-TC3

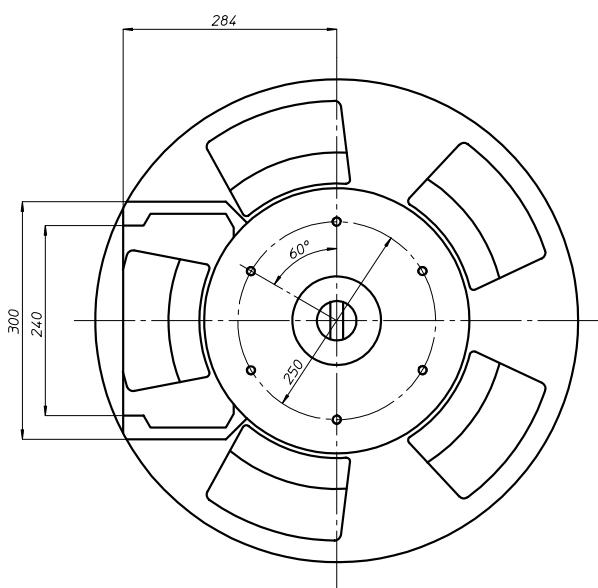
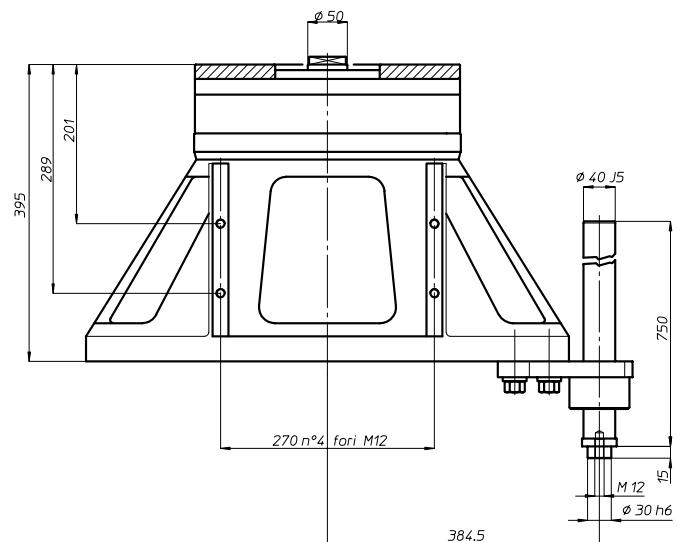
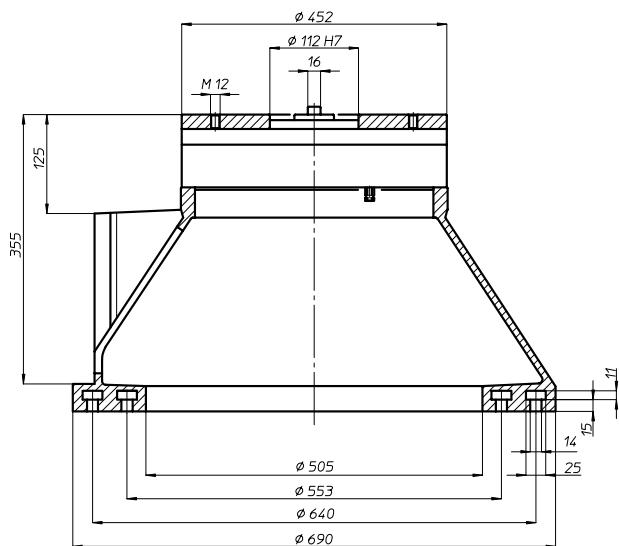
Accessori
Accessoriesarea di lavoro
working area $\varnothing 385$ 

TM500

testa modello
head type



Codice testa
Head code



	N° prese di moto Nr. spindle drives	18
	Rapporto Ratio	1-1
	Peso Weight	Kg 145
area di lavoro working area		Ø 465
Appendice tecnica Technical supplement		
Accessori Accessories		
TSI/TSX		T
VH		
HT		
MO		
TA		
TA.CP		
BAH		
FH		
9-25		

TRM43

Codice testa
Head codetesta modello
head type

TRM43

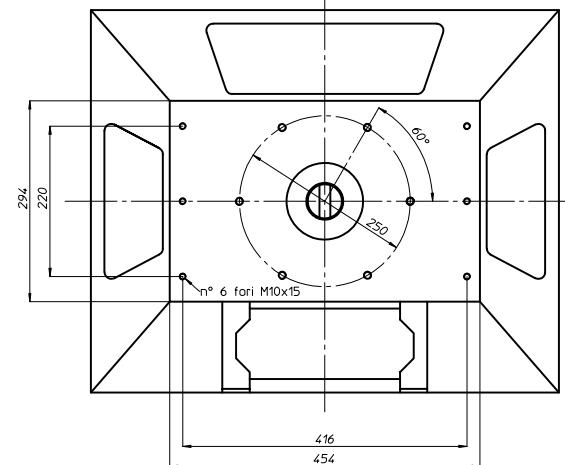
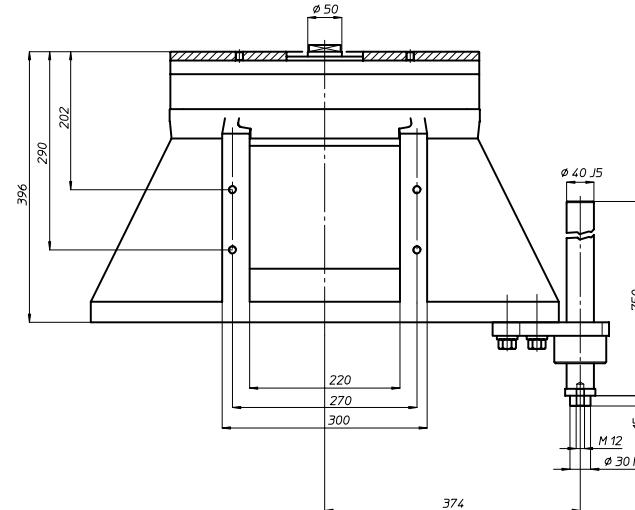
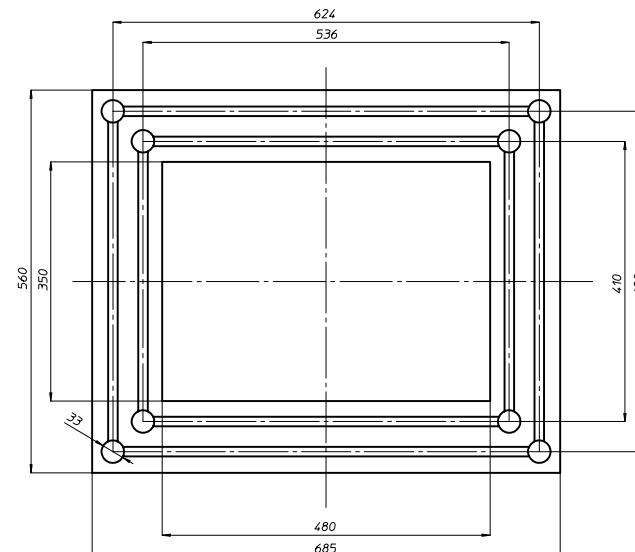
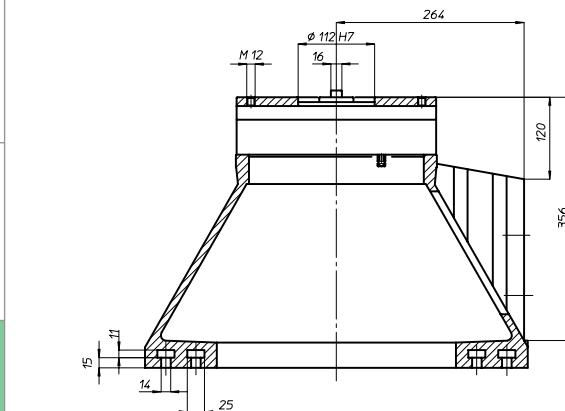
prese di moto
drives

16

R

presa di moto attacco Rapido
drive quick connection

	N° prese di moto Nr. spindle drives	16
	Rapporto Ratio	1-1
	Peso Weight	Kg 135

area di lavoro
working area

300 x 440

FH

BAH

TA.CP

TA

MO

HT

VH

TSI/TSX

MT-Tc-TC3

Accessori
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Technical supplement

TRM73

testa modello
head type

TRM73 — 26 — R

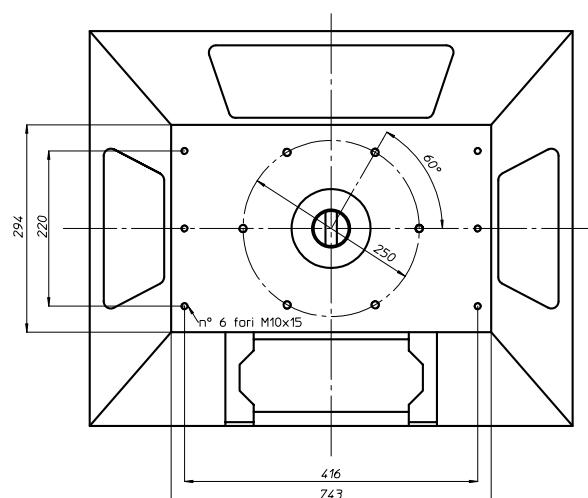
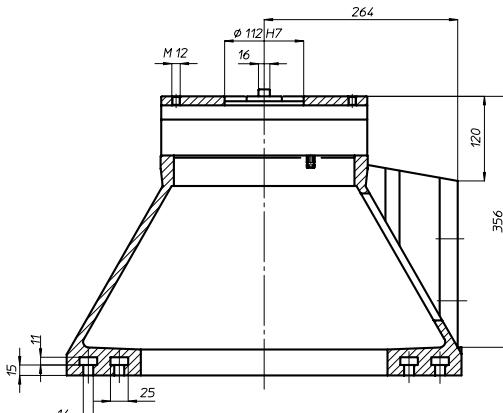
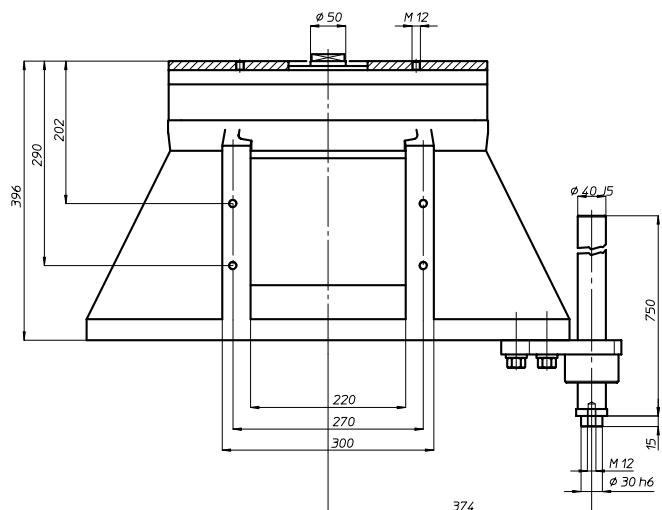
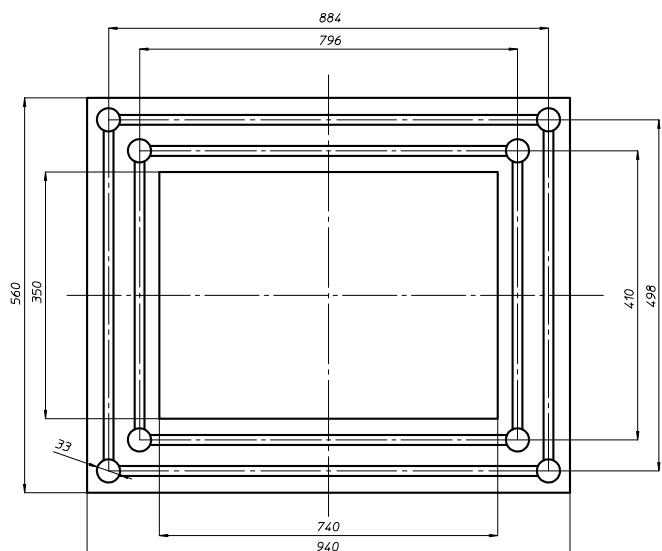
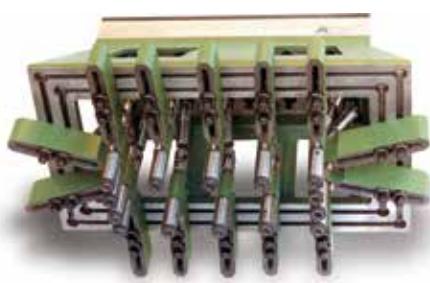
prese di moto
drives

26

R

presa di moto attacco Rapido
drive quick connection

Codice testa
Head code



area di lavoro
working area

300 x 700

Accessori
Accessories

Appendice tecnica
Technical supplement

TSI/TSX
VH

MT-Tc-Tc3
T

FH
BAH
TA.CP
TA
MO
HT

FH

BAH

TA.CP

TA

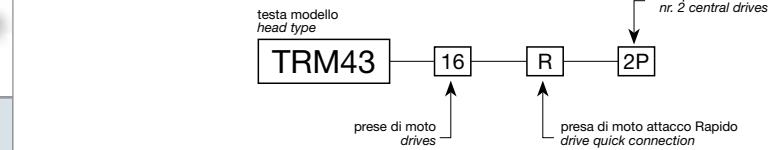
MO

HT

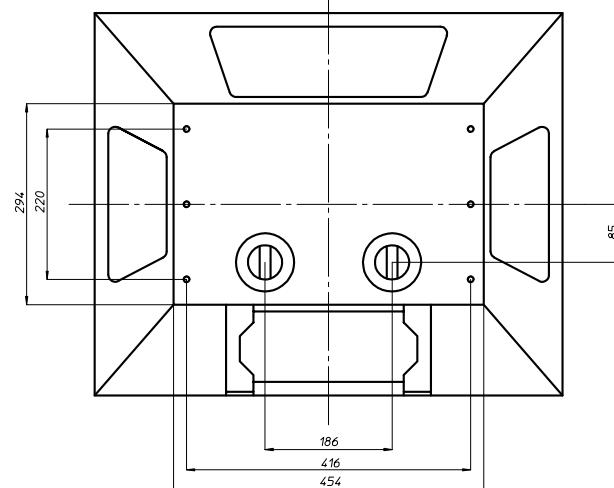
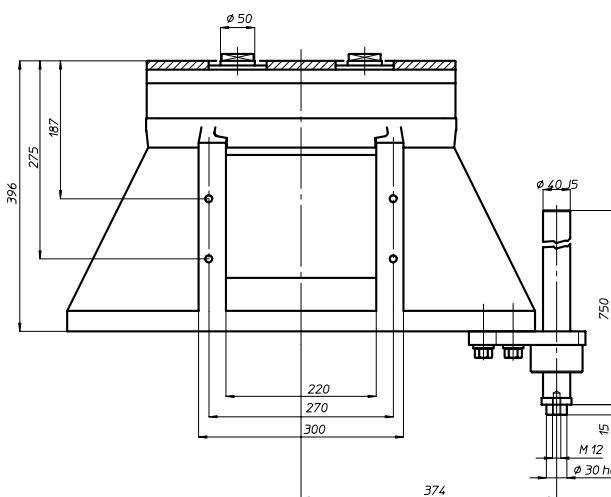
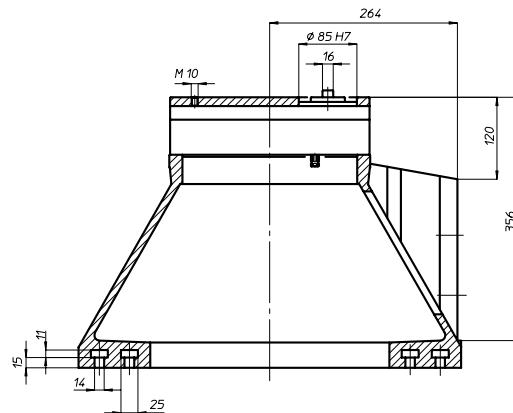
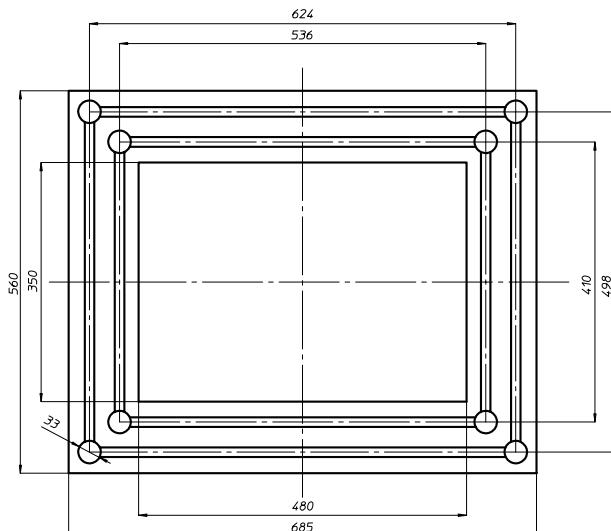
VH

TSI/TSX

MT-Tc-TC3

Accessori
AccessoriesAppendice tecnica
Technical supplementCodice testa
Head code

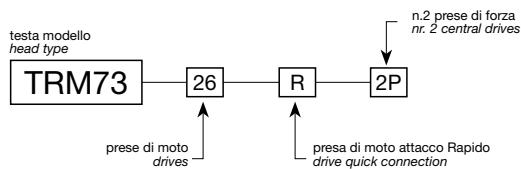
	N° prese di moto Nr. spindle drives	8+8
	Rapporto Ratio	1-1
	Peso Weight	Kg 140

area di lavoro
working area

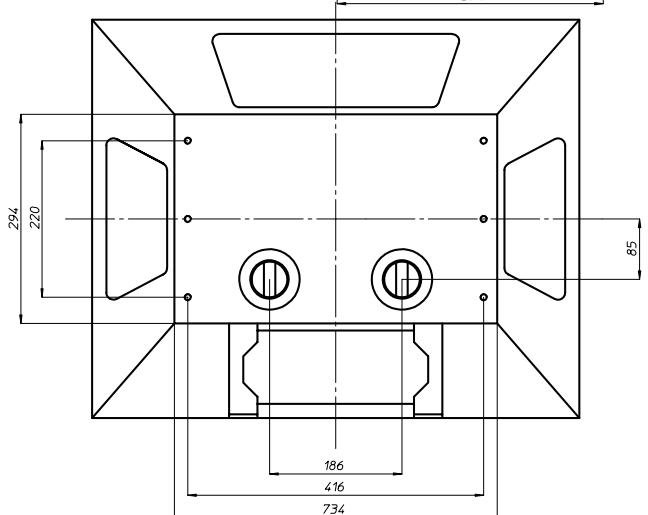
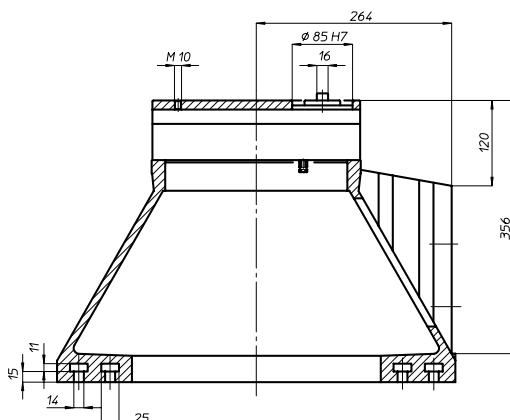
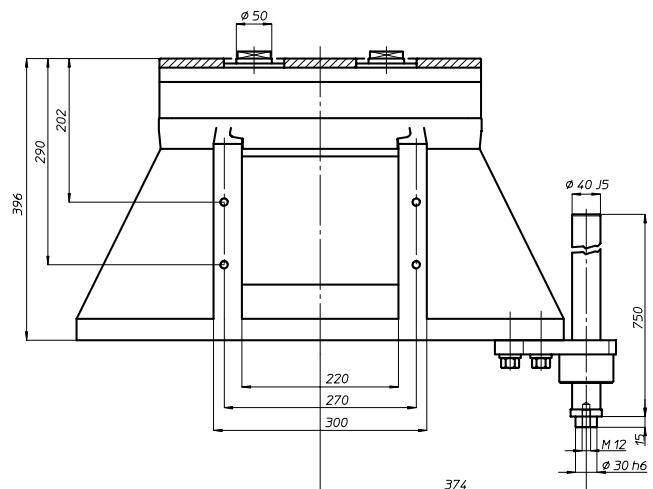
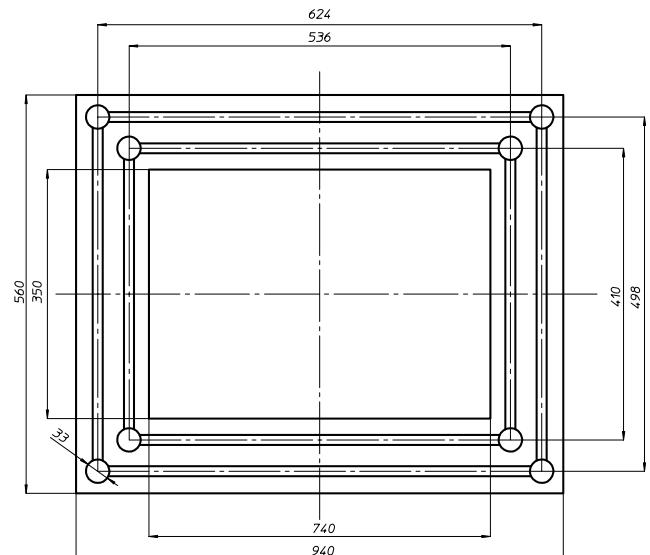
300 x 440



TRM73-2P



Codice testa
Head code



area di lavoro
working area

300 x 700

Accessori
Accessories

Appendice tecnica
Technical supplement

TSI/TSX
VH

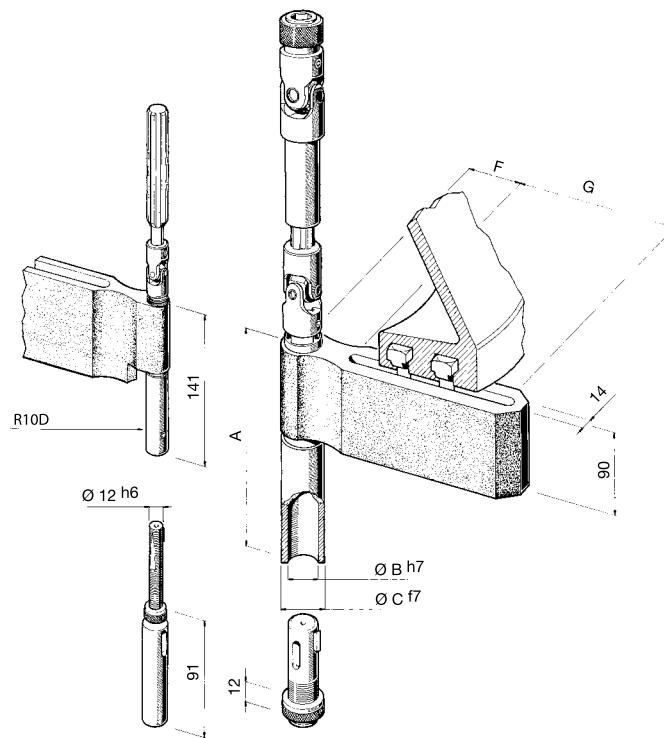
MT-Tc-Tc3
T

FH
BAH
TA.CP
TA
MO
HT

solo per teste TM-TRM

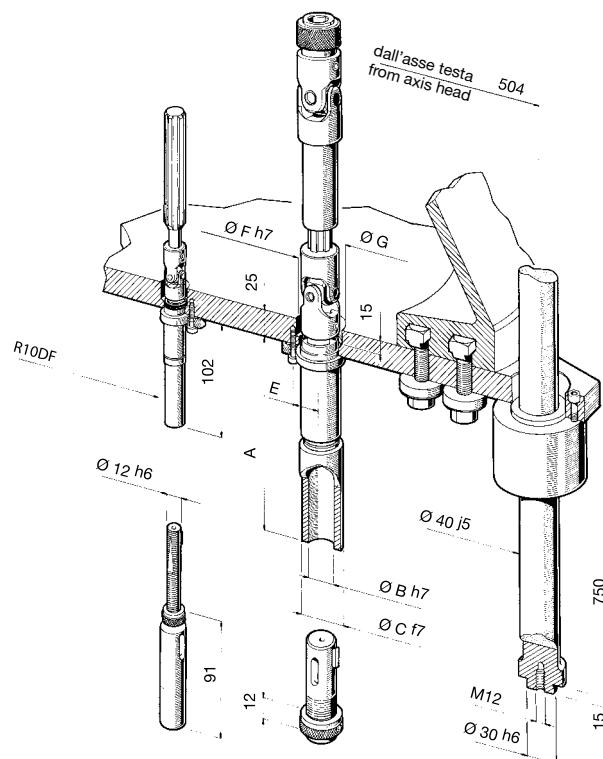
for TM-TRM heads only

su staffa - on arm



Tipi mandrini spindles type	10D	12D	15D	18D	22D	25D
Codice code	R10D-S5 R10D-S6	R12D-S5 R12D-S6	R15D-S5 R15D-S6	R18D-S5 R18D-S6	R22D-S5 R22D-S6	R25D-S5 R25D-S6
Capacità foratura drilling capacity acciaio R=500 N/mm	8	10	13	16	20	22
ghisa: GG25	10	12	15	18	22	25
Capacità maschiatura tapping	M6	M8	M12	M14	M16	M18
A	127	181	185	194	195	232
ØB h7	12	16	20	25	28	32
ØC f7	20	25	32	37	40	45
F	59	55	55	55	55	60
G	200 270	200 270	200 270	200 270	200 270	200 270
Interasse minimo center distance	23	28	32,5	37,5	40,5	50
Peso weight	4,0 4,5	4,7 5,2	5,2 5,7	5,5 6,3	6,6 7,4	8,6 9,5

su astuccio per flangia fissa - fixed plate spindle



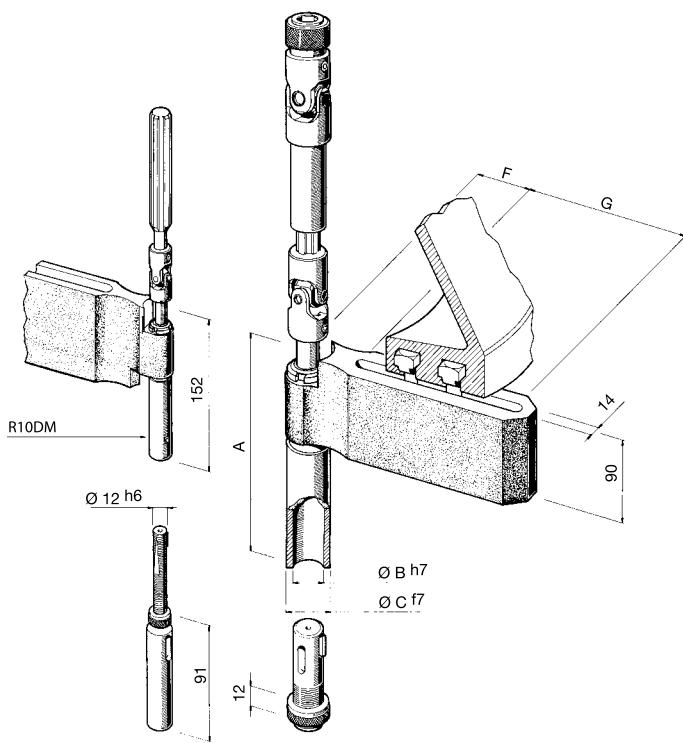
Tipi mandrini spindles type	10D	12D	15D	18D	22D	25D
Codice code	R10DF	R12DF	R15DF	R18DF	R22DF	R25DF
Capacità foratura drilling capacity acciaio R=500 N/mm	8	10	13	16	20	22
ghisa: GG25	10	12	15	18	22	25
Capacità maschiatura tapping	M6	M8	M12	M14	M16	M18
A	102	156	160	169	170	207
ØB h7	12	16	20	25	28	32
ØC f7	20	25	32	37	40	45
E Interasse vite M6 distance screw M6	18,5	23	25	27,5	29	34
ØF h7	23	27,5	31	36	39	50
ØG	27	32	36	40	44	56
Interasse minimo center distance	23,5	28	32,5	37,5	40,5	50,5
Peso weight	2,0	2,3	2,6	3,4	3,8	5,2



solo per teste TM-TRM

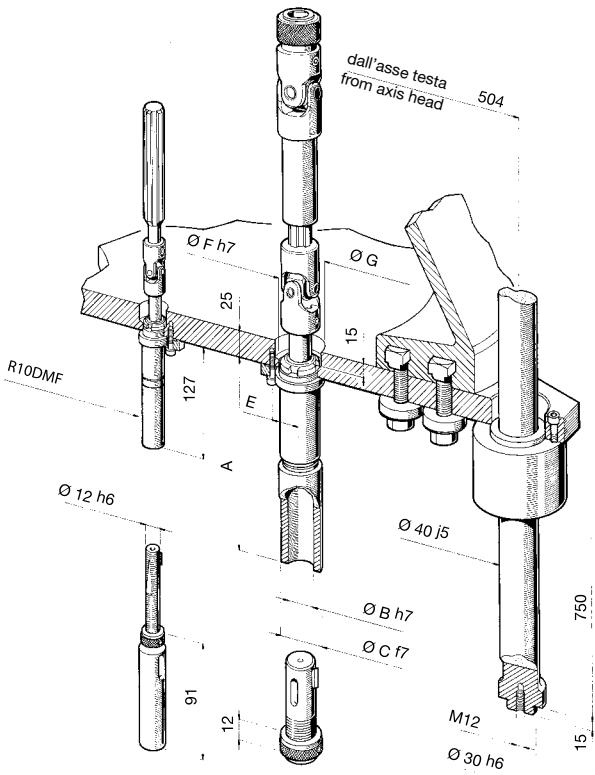
for TM-TRM heads only

su staffa - on arm



Tipi mandrini spindles type	10DM	15DM	22DM
Codice code	R10DM-S5 R10DM-S6	R15DM-S5 R15DM-S6	R22DM-S5 R22DM-S6
Capacità maschiatura tapping	M6	M12	M16
Corsa maschiatura Tapping stroke	40	40	40
A	152	208	217
ØB h7	12	20	28
ØC f7	20	32	40
F	59	55	55
G	200 270	200 270	200 270
Interasse minimo center distance	23	32,5	40,5
Peso weight	4,0 4,5	5,2 5,7	6,6 7,4

su astuccio per flangia fissa - fixed plate spindle



Tipi mandrini spindles type	10DM	15DM	22DM
Codice code	R10DMF	R15DMF	R22DMF
Capacità maschiatura tapping	M6	M12	M16
Corsa maschiatura Tapping stroke	40	40	40
A	127	183	192
ØB h7	12	20	28
ØC f7	20	32	40
E Interasse vite M6 distance crew M6	18,5	25	29
ØF f7	23	31	39
ØG	27	36	44
Interasse minimo center distance	23,5	32,5	40,5
Peso weight	2,0	2,6	3,8

FH

BAH

TA.CP

MO

HT

TSI/TSX

T

MT-Tc-TC3

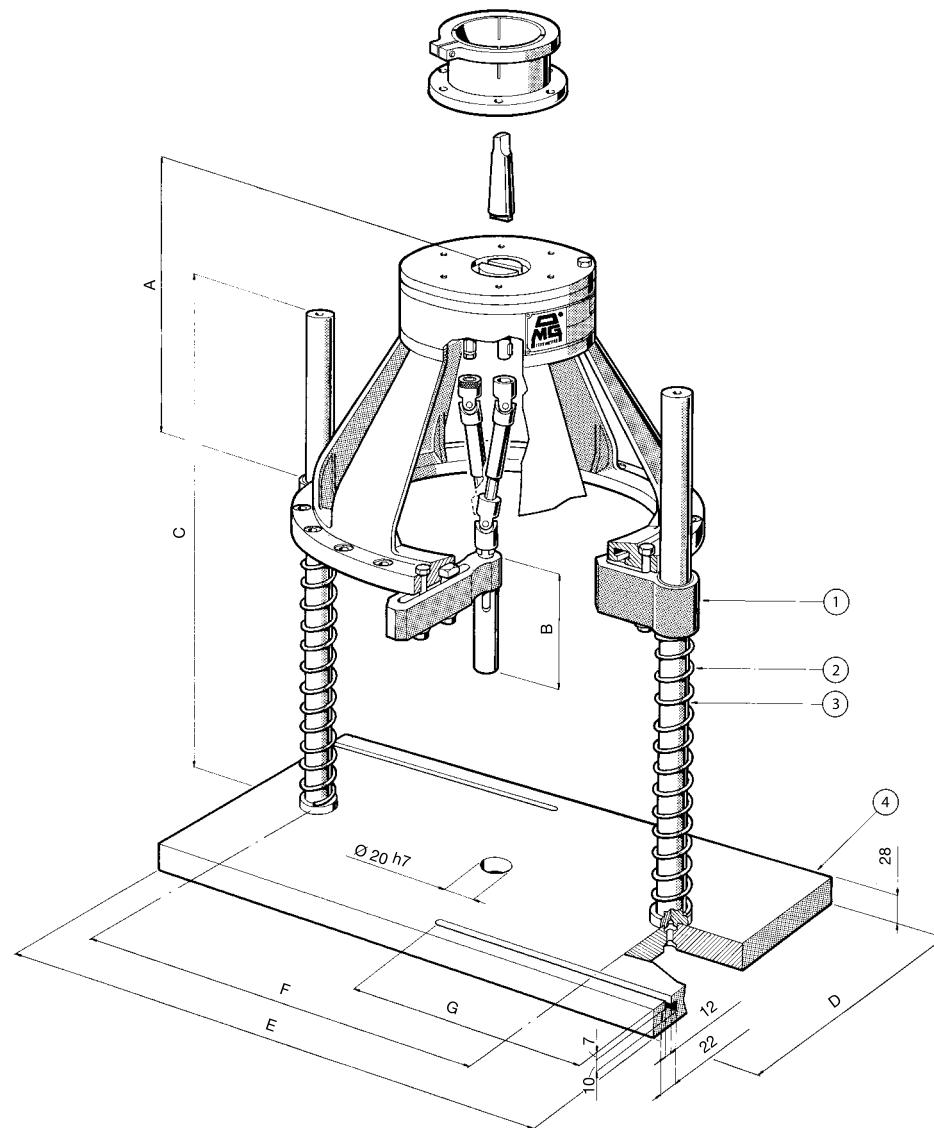
Accessori
AccessoriesAppendice tecnica
Technical supplement

9-31

attrezzature per teste multiple

multispindle heads equipment

serie T - TS - TL - TR



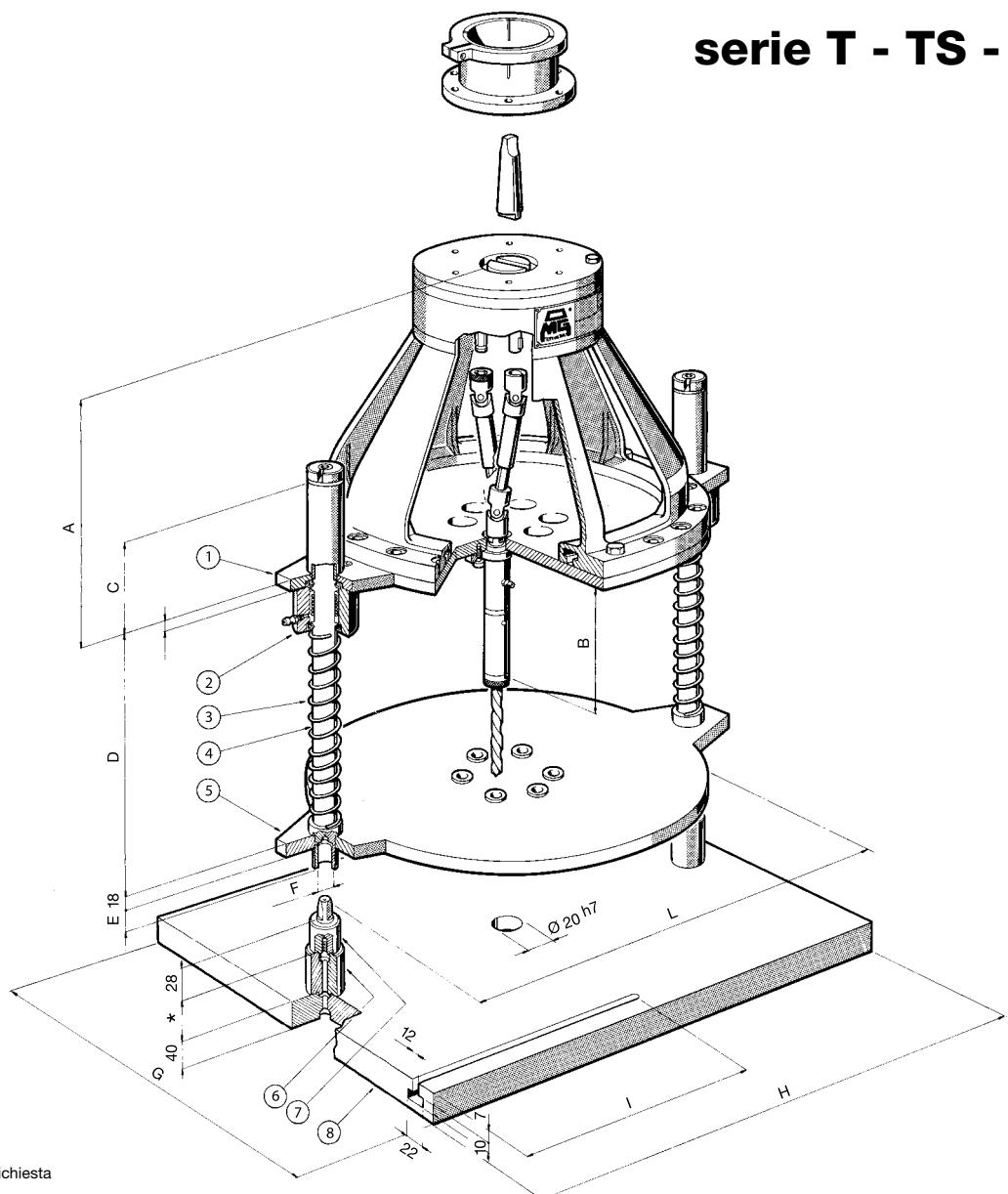
Modello testa head type	A	B		C	D	E	F	G	1	2	3	4
		DIN 55058	Pinza ER						supporto di guida guide bush	molla spring	colonna column	base base
T4	205	91,5	76				280		076123	076126	076120	076081
T7	205	101,5	76				350					076082
T10	236	109	94,5				404					076083
T12	260	172					454					076084
TS12	283	172					542					076088
T15	272	175					492					076085
TS15	282	175					552					076089
T18	293	185					540					076086
TS18	299	85					582					076090
T22	317	185					540					076087
TS22	317	185					582					076091
TL20/4	237	91,5	76									
TL20/6	237	101,5	76									
TL20/8	237	109	94,5									
TL40/12	290	175										
TL40/16	290	185										
TL40/22	318	185										
TL60/12	290	175										
TL60/16	290	185										
TL60/22	318	185										
TR2/12	290	175										
TR2/16	290	185										
TR5/12	290	175										
TR5/16	290	185										



attrezzature per teste multiple

multispindle heads equipment

serie T - TS - TL - TR



* a richiesta

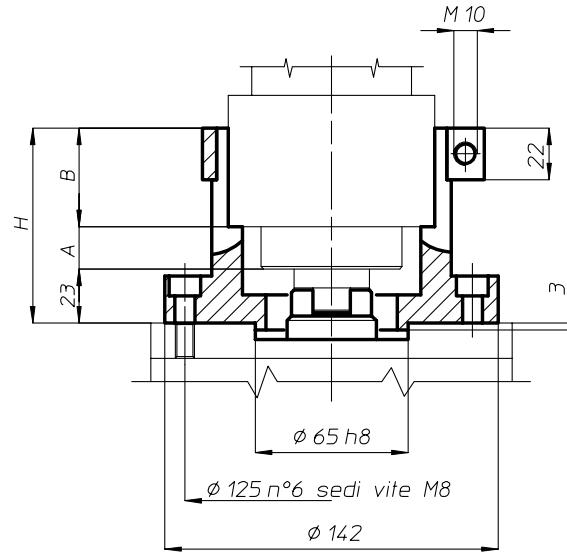
Modello testa head type	A	B		C	D	E	ØFh7	G	H	I	L	1 flangia fissa fixed plate	2 cartuccia guide bush	3 molla spring	4 colonna column	5 maschera drilling jig	6 distanziale spacer	7 puntale push-rod	8 base base	
		DIN 55058	Pinza ER																	
T4	205	91,5	76					280	076001							076051			076081	
T7	205	101,5	76	70	280	22	10	250	500	300		350	076002	076122	076126	076121	076052	-	076127	076082
T10	236	109	94,5								404	076003					076053			076083
T12	260	172									454	076004					076054			076084
TS12	283	172									542	076005					076055			076085
T15	272	175									492	076006					076056			076086
TS15	282	175									552	076007					076057			076087
T18	293	185									540	076008					076058			076088
TS18	299	185									582	076009					076059			076089
T22	317	185									540	076010					076060			076090
TS22	317	185									582	076011					076061			076091
TL20/4	237	91,5	76					280	076012	076122	076126	076121	076062	-	076127	076092				
TL20/6	237	101,5	76	70	280	22	10	250	500	300	400	076013								
TL20/8	237	109	94,5								650	076014					076063			076093
TL40/12	290	175									350	076015								
TL40/16	290	185									604	076016					076064			076094
TL40/22	318	185									850	076017					076065			076095
TL60/12	290	175									450	076018					076066			076096
TL60/16	290	185									804	076019								
TL60/22	318	185									650	076020								
TR2/12	290	175									350	076021								
TR2/16	290	185									548	076022								
TR5/12	290	175									629	076023								
TR5/16	290	185									629	076024								

Attacco Cono Morse trascinatore

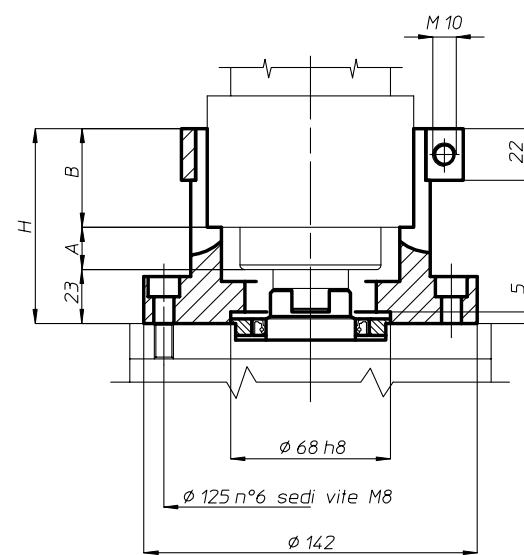
Morse Taper with driving dog

T4 - T7 - T10 - TL20...

Versione standard
Standard version

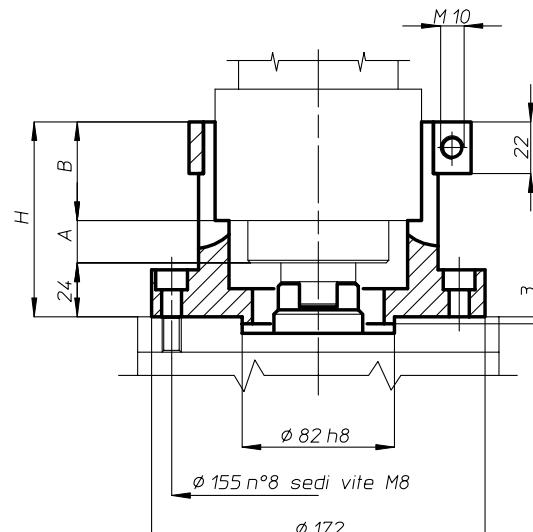


Solo versione orizzontale
For horizontal use only

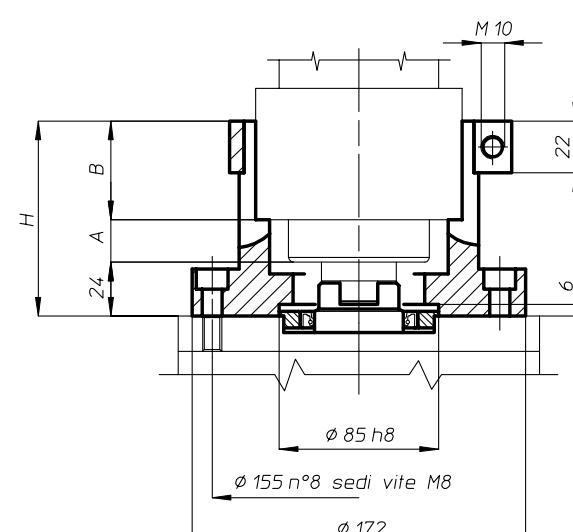


T12 - T15 - T18 - T22 - TL40... - TL60... - TR2... - TR5...

Versione standard
Standard version



Solo versione orizzontale
For horizontal use only



note

notes



