



SERIE



FH

BAH

TA.CP

TA

MOx

HT

9-1

VH

TSI/TSX

T

MT-TC-TC3





Le teste multiple a giunti universali sono in produzione dal 1961 e confermano tutt'oggi la validità dell'idea 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.

The universal joint multispindle 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:

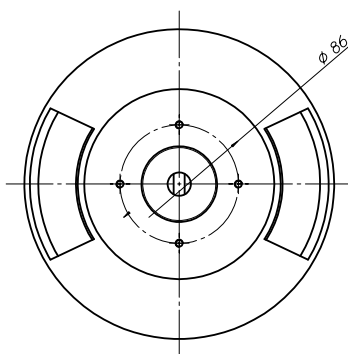
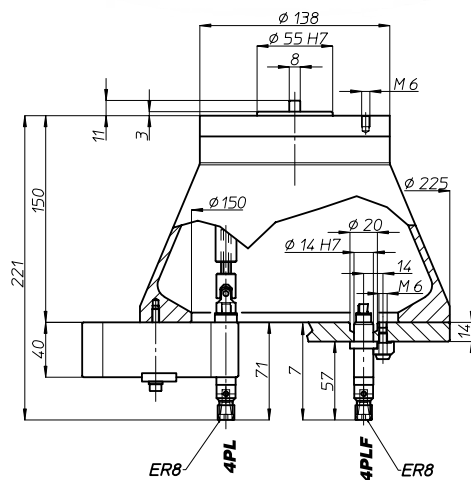
- *series T-TS with round base for making up to 12 holes; max drilling capacity dia. 22 mm, minimum centre distance 15 mm, max centre distance 350 mm*
- *series TL with linear base for making up to 12 holes; max drilling capacity dia. 22 mm, minimum centre distance 17 mm, max centre distance 610 mm*
- *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.*





T2

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



08



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

4



CAPACITÀ
DI FORATURA
DRILLING CAPACITY

M4



MASCHIATURA
TAPPING

P: ER8



ATTACCO UTENSILE
TYPE OF SPINDLE

3,25 KG



PESO
GRUPPO TESTA
HEAD WEIGHT

0,3 KG



PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT

Ø A

N° MANDRINI
N° SPINDLES

15

17,5

21,5

26

30

35

39,5

2

3

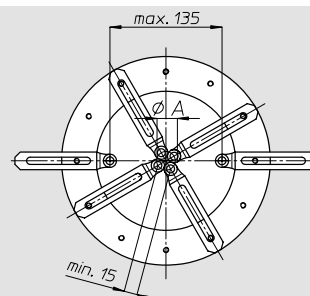
4

5

6

7

8



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

T2

PRESE DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

08

PRESE DI MOTO
DRIVES

R

CAPACITÀ FORATURA
DRILLING CAPACITY

R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

4

SERIE LEGGERA
LIGHT SERIES

P

ER 8

L

ASTUCCIO
FIXED SPINDLE

CODICE
MANDRINO
SPINDLE CODE

F

N° PRESE DI MOTO
NR. SPINDLE
DRIVES



08

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 4
ghisa / cast iron: GG25 5

MASCHIATURA
TAPPING



M4

ATTACCO UTENSILE
TYPE OF SPINDLE



P: ER11

PESO
GRUPPO TESTA
HEAD WEIGHT

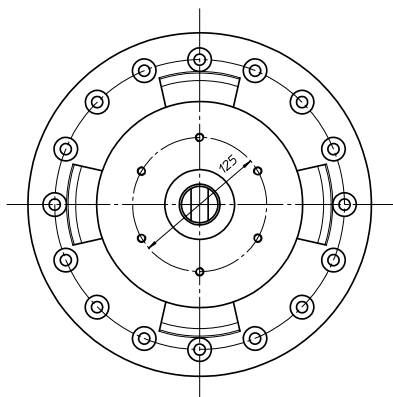
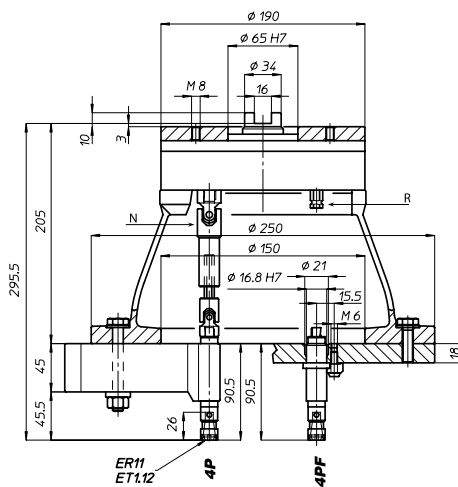


9,5 KG

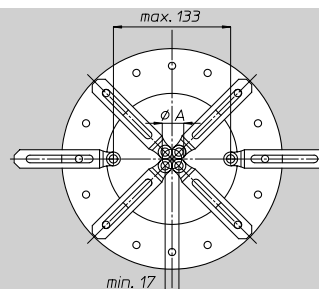
PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



1 KG



Ø A	20	24,5	29,5	34,5	39,5	45
N° MANDRINI N° SPINDLES	3	4	5	6	7	8



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE
T4

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESE DI MOTO
DRIVES

08

PRESA DI MOTO
ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

TRASMISSIONE
NORMALE
STANDARD TRANSMISSION

N

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION
QUICK CONNECTION

R

CAPACITÀ FORATURA
DRILLING CAPACITY

4

PINZA

P

ASTUCCIO
FIXED SPINDLE

F

CODICE
MANDRINO
SPINDLE CODE

T4

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

FH

BAH

TA.CP

TA

MOx

HT

9-4

VH

TSI/TSX

T

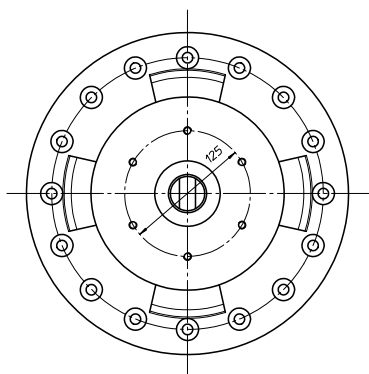
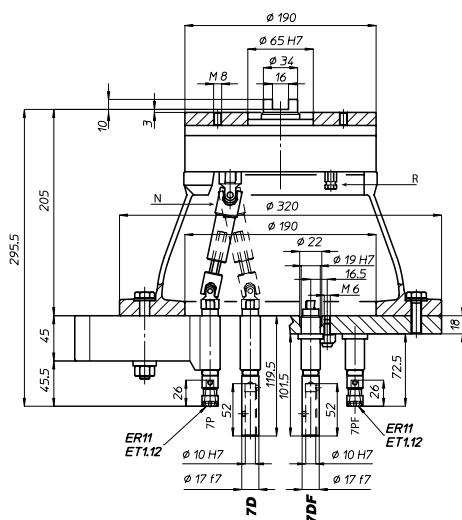
MT-TC-TC3





T7

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



08-12



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

acciaio / still R=500 N/mm² 6

ghisa / cast iron: GG25 7



CAPACITÀ
DI FORATURA
DRILLING CAPACITY

M5



MASCHIATURA
TAPPING

D: DIN 55058 Ø10

P: ER11



ATTACCO UTENSILE
TYPE OF SPINDLE

10 KG



PESO
GRUPPO TESTA
HEAD WEIGHT

1,1 KG



PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT

Ø A

N° MANDRINI
N° SPINDLES

23,5

28,5

34,5

40,5

46,5

52,5

59

65,5

71,5

77,5

3

4

5

6

7

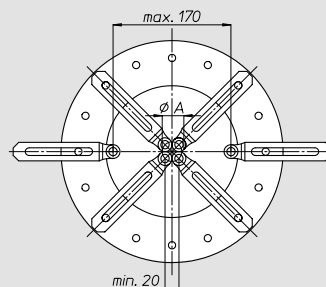
8

9

10

11

12



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

T7

08

PRESE DI MOTO NORMALE
STANDARD DRIVE

N

12

PRESE DI MOTO
DRIVES

PRESE DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

CAPACITÀ FORATURA
DRILLING CAPACITY

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

7

P

DIN 55058

D

F

PINZA

ASTUCCIO
FIXED SPINDLE

CODICE
MANDRINO
SPINDLE CODE

N° PRESE DI MOTO
NR. SPINDLE
DRIVES



08-12

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 8
ghisa / cast iron: GG25 10

MASCHIATURA
TAPPING



M6

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø12
P: ER16

PESO
GRUPPO TESTA
HEAD WEIGHT

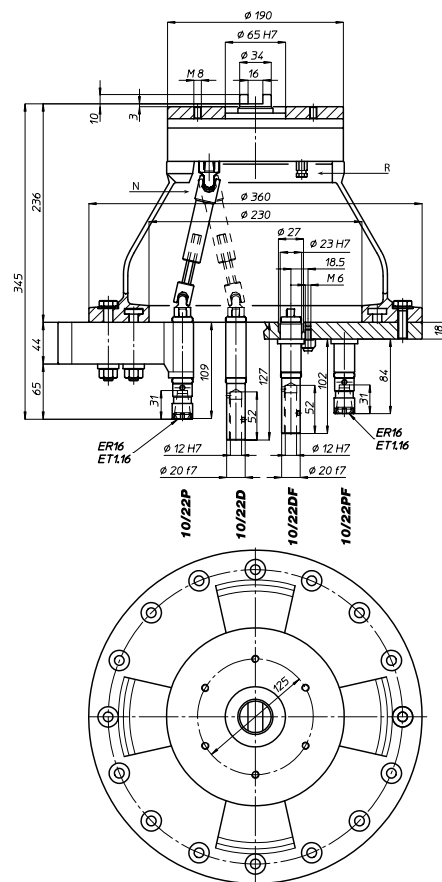


12 KG

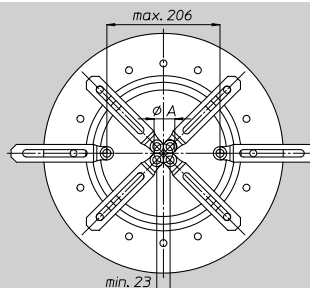
PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



1,5 KG



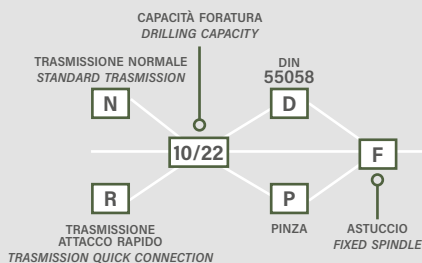
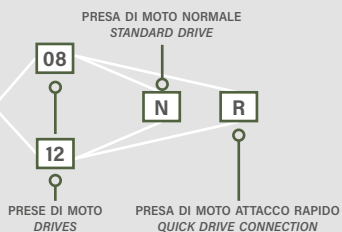
Ø A	27	33	39,5	46,5	53,5	60,5	67,5	75	82	89,5
N° MANDRINI N° SPINDLES	3	4	5	6	7	8	9	10	11	12



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE
T10



CODICE
MANDRINO
SPINDLE CODE

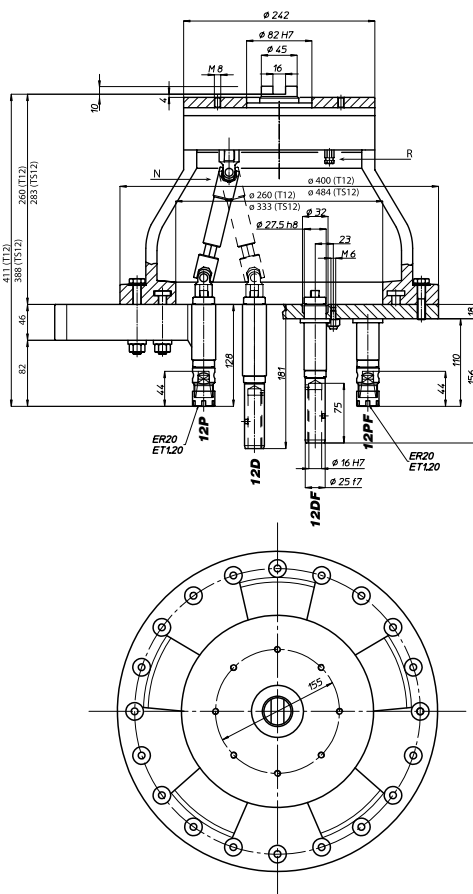
T10

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD



T12-TS12

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



08-12



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

acciaio / still R=500 N/mm² 10

ghisa / cast iron: GG25 12



CAPACITÀ
DI FORATURA
DRILLING CAPACITY

M8



MASCHIATURA
TAPPING

D: DIN 55058 Ø16

P: ER20



ATTACCO UTENSILE
TYPE OF SPINDLE

T12: 20 KG

TS12: 22,5 KG



PESO
GRUPPO TESTA
HEAD WEIGHT

2 KG



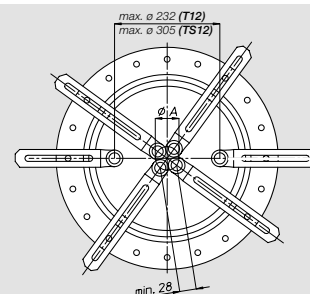
PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT

Ø A

N° MANDRINI
N° SPINDLES

33 40 48 56,5 65 74 82,5 91 100 108,5

3 4 5 6 7 8 9 10 11 12



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

T12

TS12

PRESA DI MOTO NORMALE
STANDARD DRIVE

08

N

R

PRESE DI MOTO
DRIVES

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

CAPACITÀ FORATURA
DRILLING CAPACITY

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

DIN 55058

D

ASTUCCIO
FIXED SPINDLE

F

CODICE
MANDRINO
SPINDLE CODE



N° PRESE DI MOTO
NR. SPINDLE
DRIVES



08-12

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 13
ghisa / cast iron: GG25 15

MASCHIATURA
TAPPING



M12

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø20

PESO
GRUPPO TESTA
HEAD WEIGHT

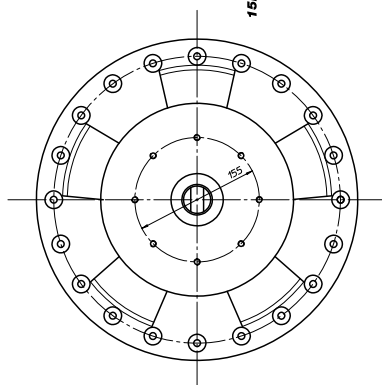
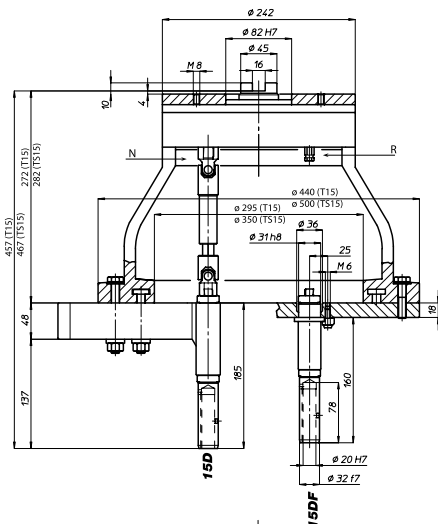


T15: 21,5 KG
TS15: 24,5 KG

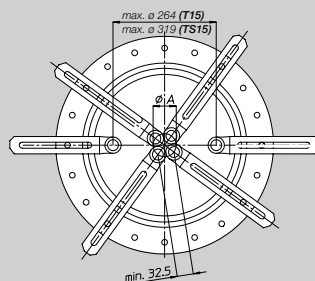
PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



2,6 KG



Ø A	38	46,5	56	65,5	75,5	85,5	95,5	105,5	116	126
N° MANDRINI N° SPINDLES	3	4	5	6	7	8	9	10	11	12



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

T15

TS15

PRESA DI MOTO NORMALE
STANDARD DRIVE

08

PRESE DI MOTO
DRIVES

N

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

15

DIN 55058

D

F

ASTUCCIO
FIXED SPINDLE

CODICE
MANDRINO
SPINDLE CODE

T15-TS15

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

FH

BAH

TA.CP

TA

MOx

HT

9-8

VH

TSI/TSX

T

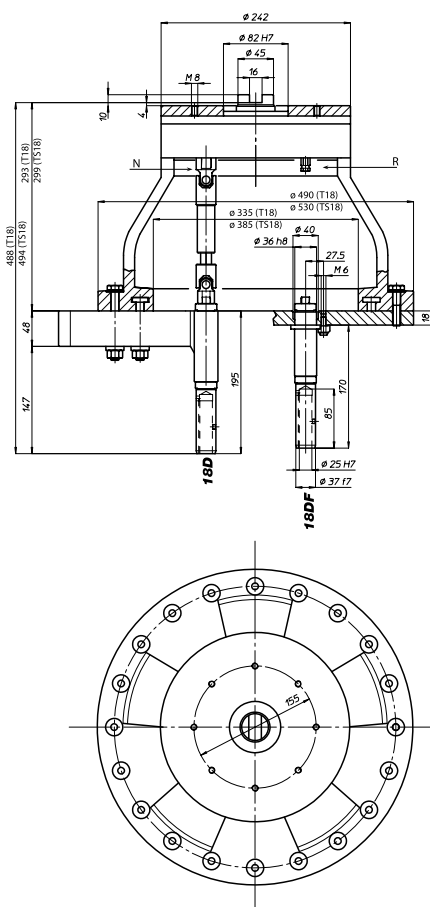
MT-TC-TC3





T18-TS18

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



08



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

acciaio / still R=500 N/mm² 16

ghisa / cast iron: GG25 18



CAPACITÀ
DI FORATURA
DRILLING CAPACITY

M14



MASCHIATURA
TAPPING

D: DIN 55058 Ø25



ATTACCO UTENSILE
TYPE OF SPINDLE

T18: 25 KG

TS18: 26,5 KG



PESO
GRUPPO TESTA
HEAD WEIGHT

3,3 KG



PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT

Ø A

N° MANDRINI
N° SPINDLES

44

53,5

64,5

75,5

87

98,5

3

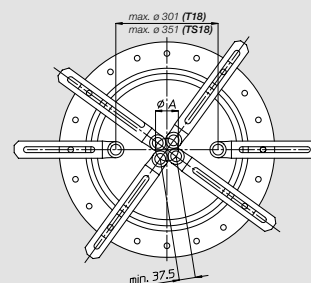
4

5

6

7

8



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

T18

TS18

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESE DI MOTO
DRIVES

08

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

CAPACITÀ FORATURA
DRILLING CAPACITY

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

18

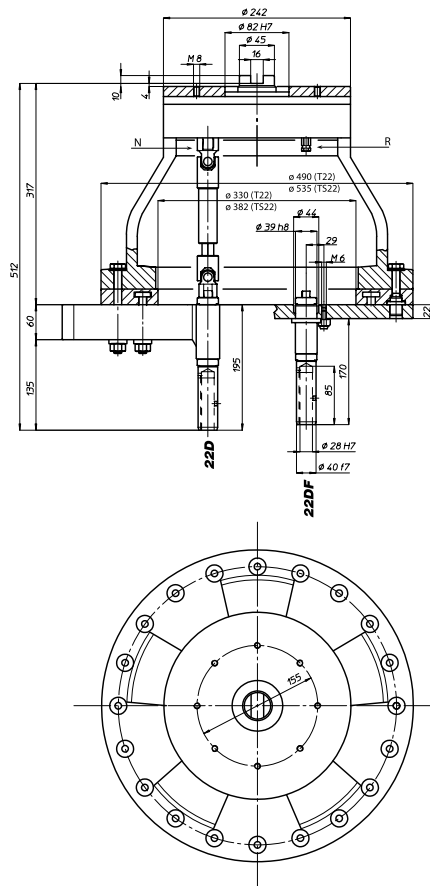
DIN 55058

D

ASTUCCIO
FIXED SPINDLE

F

CODICE
MANDRINO
SPINDLE CODE



N° PRESE DI MOTO
NR. SPINDLE
DRIVES



08

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 20
ghisa / cast iron: GG25 22

MASCHIATURA
TAPPING



M16

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø28

PESO
GRUPPO TESTA
HEAD WEIGHT



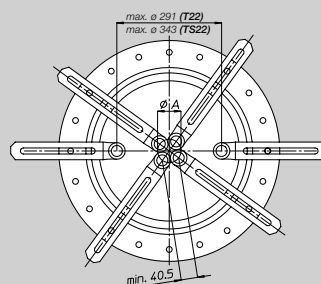
T15: 38,5 KG
TS15: 41 KG

PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



5,5 KG

Ø A	47,5	58	69,5	81,5	94	106,5
N° MANDRINI N° SPINDLES	3	4	5	6	7	8



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

T22

TS22

08

PRESE DI MOTO
DRIVES

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

R

CAPACITÀ FORATURA
DRILLING CAPACITY

22

DIN 55058

D

ASTUCCIO
FIXED SPINDLE

F

CODICE
MANDRINO
SPINDLE CODE

T22-TS22

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

**CODICE
MANDRINO
SPINDLE CODE**

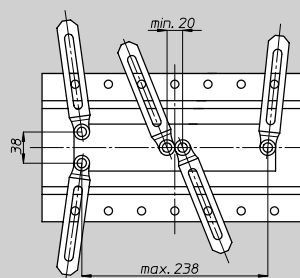
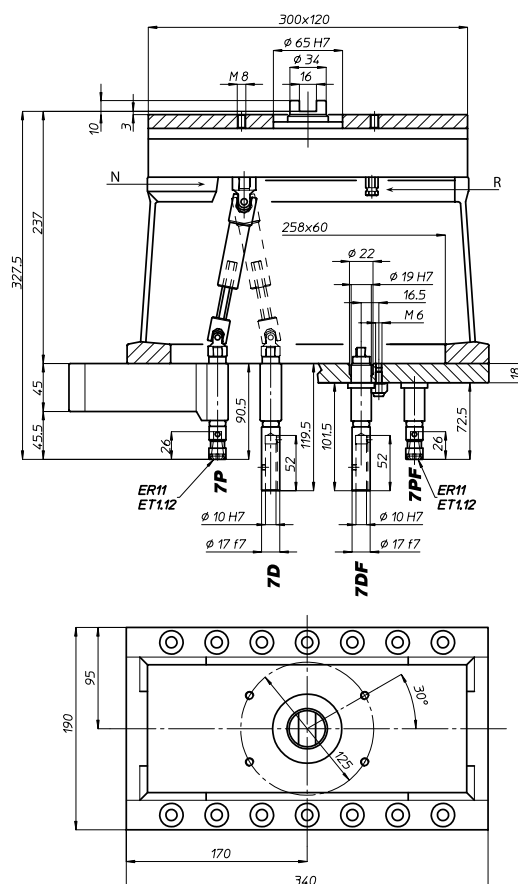
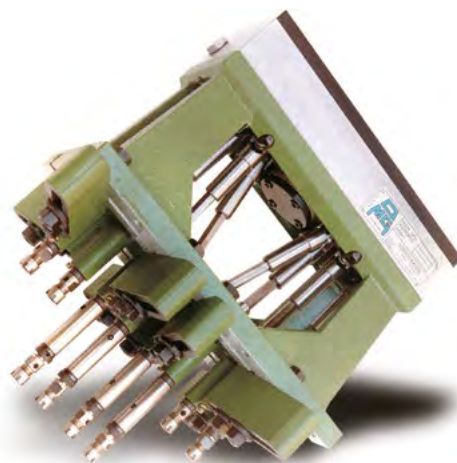

08

acciaio / *still* $R=500 \text{ N/mm}^2$ 6
ghisa / *cast iron*: GG25 7

 M5

 D: DIN 55058 Ø10
P: ER11

 13,5 KG

 1 KG

AREA DI LAVORO
WORKING AREA

TESTA MODELLO
HEAD TYPE
TL20/6

08

PRESE DI MOTO
DRIVES

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

CAPACITÀ FORATURA
DRILLING CAPACITY

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

R

ASMISSIONE
ACCO RAPIDO
N QUICK CONNECTION

DIN
55058

P

ASTUCCIO
FIXED SPINDLE

**CODICE
MANDRINO
SPINDLE CODE**

MANDRINO SPINDLE CODE

Downloaded from <http://ajph.org/> at University of California, San Diego on June 11, 2015



	9-12	VH	TSI/TSX	HT	MOx	TA	TA.CP	BAH	FH
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9-12

TSI/TSX VH

1

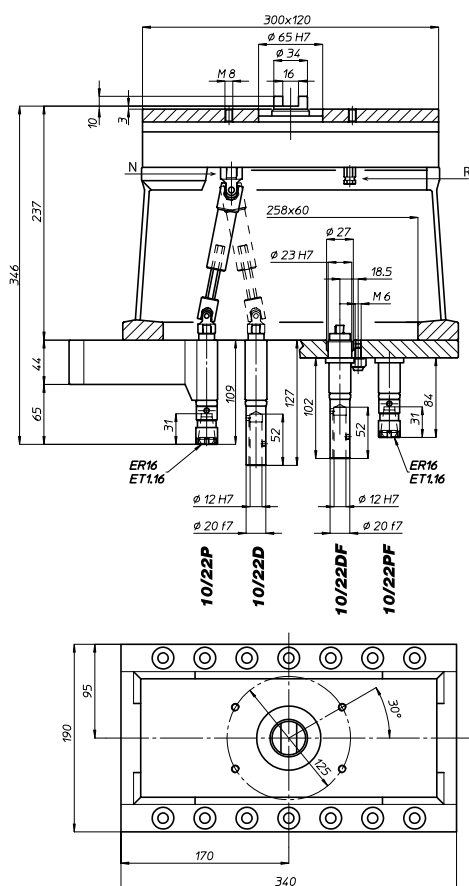
MT-TC-TC3





TL20/8

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



08



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

acciaio / still R=500 N/mm² 8

ghisa / cast iron: GG25 10



CAPACITÀ
DI FORATURA
DRILLING CAPACITY

M6



MASCHIATURA
TAPPING

D: DIN 55058 Ø12

P: ER16



ATTACCO UTENSILE
TYPE OF SPINDLE

13,5 KG

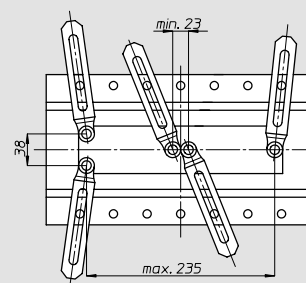


PESO
GRUPPO TESTA
HEAD WEIGHT

1,5 KG



PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TL20/8

08

PRESE DI MOTO
DRIVES

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

CAPACITÀ FORATURA
DRILLING CAPACITY

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

DIN
55058

D

P

ASTUCCIO
FIXED SPINDLE

F

CODICE
MANDRINO
SPINDLE CODE

N° PRESE DI MOTO
NR. SPINDLE
DRIVES



08

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 13
ghisa / cast iron: GG25 15

MASCHIATURA
TAPPING



M12

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø20

PESO
GRUPPO TESTA
HEAD WEIGHT

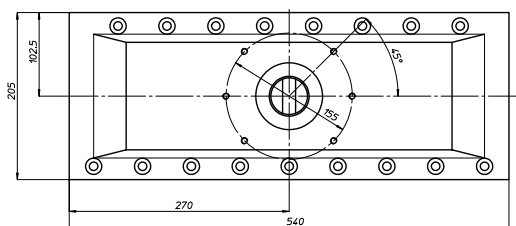
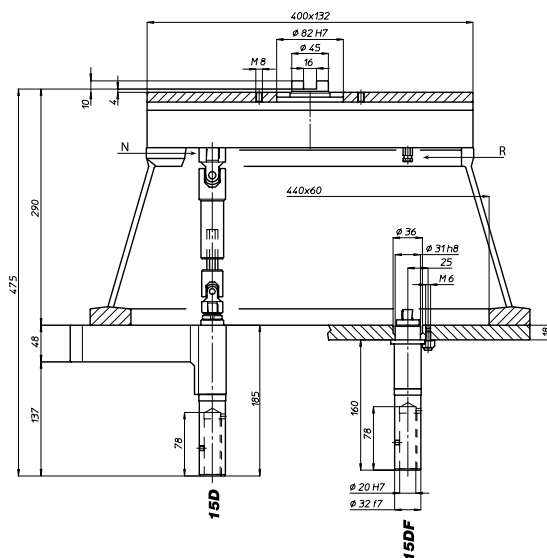


25 KG

PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



2,5 KG



TL40/12

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

FH

BAH

TA.CP

TA

MOx

HT

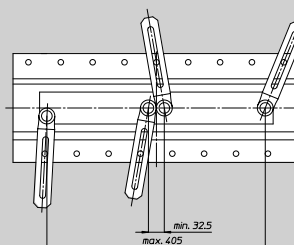
9-14

VH

TSI/TSX

T

MT-TC-TC3



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TL40/12

08

PRESE DI MOTO
DRIVES

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

CAPACITÀ FORATURA
DRILLING CAPACITY

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

R

15
DIN 55058
D

CODICE
MANDRINO
SPINDLE CODE

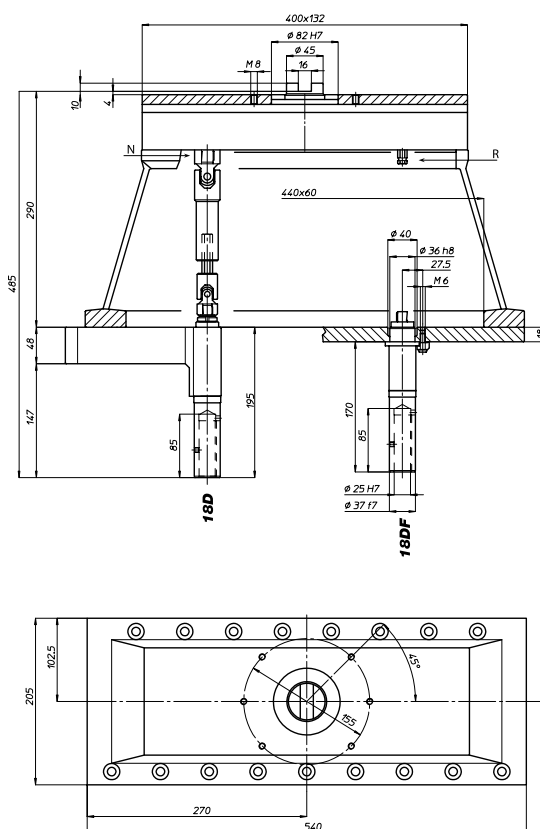
ASTUCCIO
FIXED SPINDLE

F



TL40/16

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



08



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

acciaio / still R=500 N/mm² 16

ghisa / cast iron: GG25 18



CAPACITÀ
DI FORATURA
DRILLING CAPACITY

M14



MASCHIATURA
TAPPING

D: DIN 55058 Ø25



ATTACCO UTENSILE
TYPE OF SPINDLE

26 KG

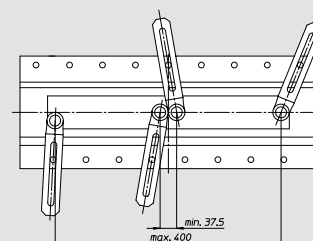


PESO
GRUPPO TESTA
HEAD WEIGHT

2,5 KG



PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TL40/16

08

PRESE DI MOTO
DRIVES

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

CAPACITÀ FORATURA
DRILLING CAPACITY

18

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

R

DIN
55058

D

ASTUCCIO
FIXED SPINDLE

F

CODICE
MANDRINO
SPINDLE CODE

N° PRESE DI MOTO
NR. SPINDLE
DRIVES



06

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 20
ghisa / cast iron: GG25 22

MASCHIATURA
TAPPING



M16

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø28

PESO
GRUPPO TESTA
HEAD WEIGHT

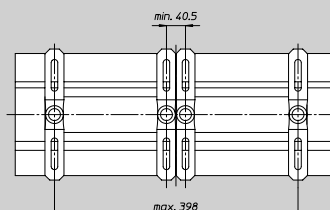
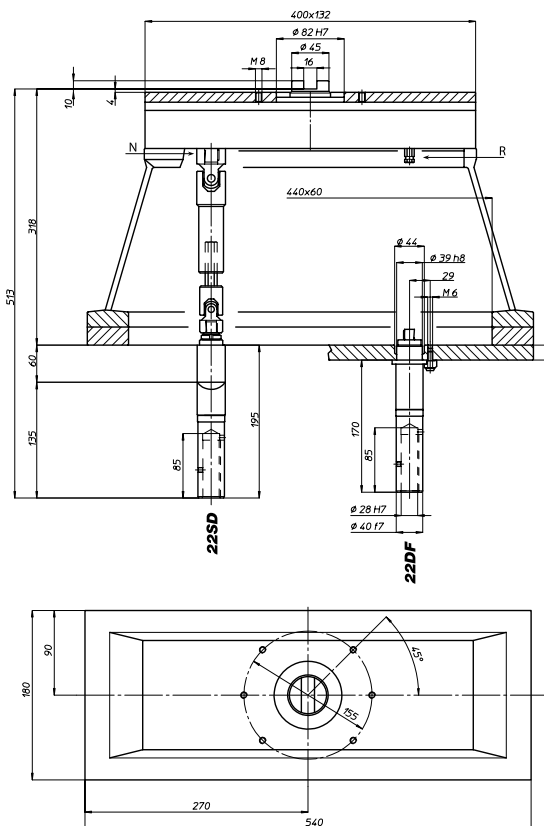


37 KG

PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



5 KG



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE
TL40/22

06

PRESE DI MOTO
DRIVES

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

TRASMISSIONE
NORMALE
STANDARD TRANSMISSION

N

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION
QUICK CONNECTION

R

CAPACITÀ FORATURA
DRILLING CAPACITY

22

DIN 55058

SD

ASTUCCIO
FIXED SPINDLE

F

CODICE
MANDRINO
SPINDLE CODE

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT

9-16

TSI/TSX

VH

T

MT-TC-TC3

TA.CP

BAH

FH

TA

MOx

HT



TL60/12

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD



08-12



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

acciaio / still R=500 N/mm² 13

ghisa / cast iron: GG25 15



CAPACITÀ
DI FORATURA
DRILLING CAPACITY

M12



MASCHIATURA
TAPPING

D: DIN 55058 Ø20



ATTACCO UTENSILE
TYPE OF SPINDLE

34,5 KG

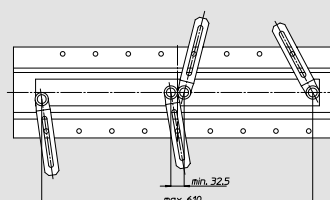
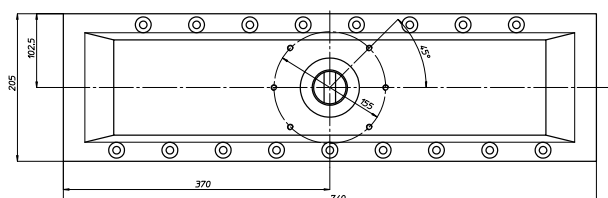
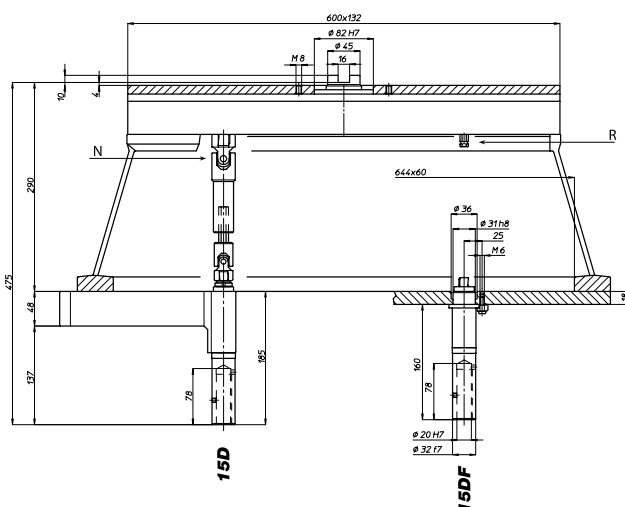


PESO
GRUPPO TESTA
HEAD WEIGHT

2,5 KG



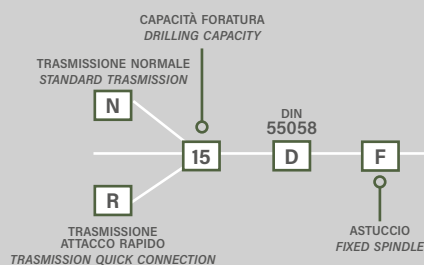
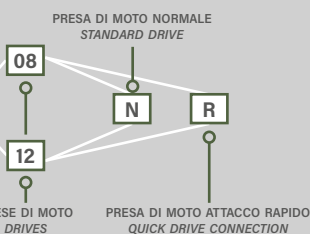
PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE
T60/12



CODICE
MANDRINO
SPINDLE CODE

N° PRESE DI MOTO
NR. SPINDLE
DRIVES



08-12

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 16
ghisa / cast iron: GG25 18

MASCHIATURA
TAPPING



M14

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø25

PESO
GRUPPO TESTA
HEAD WEIGHT

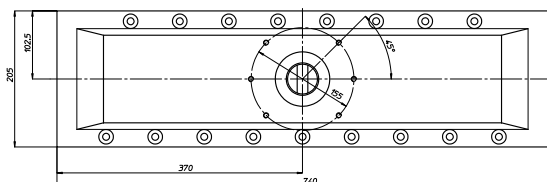
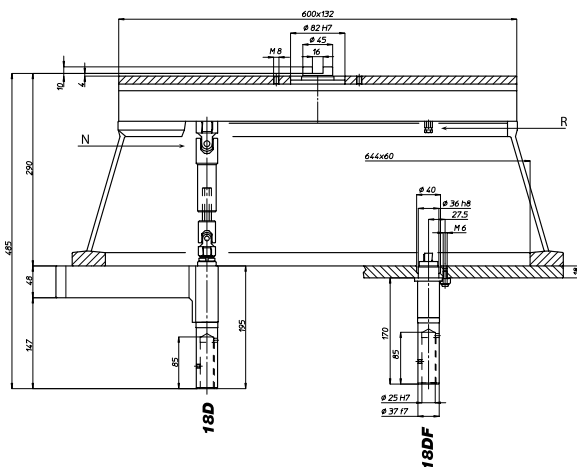


36 KG

PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



2,5 KG



TL60/16

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

FH

BAH

TA.CP

TA

MOx

HT

9-18

VH

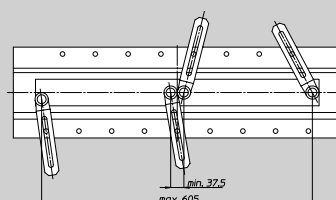
TSI/TSX

T

MT-TC-TC3



AREA DI LAVORO
WORKING AREA



CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE
T60/16

PRESA DI MOTO NORMALE
STANDARD DRIVE

08

12

PRESE DI MOTO
DRIVES

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

N

R

TRASMISSIONE
NORMALE
STANDARD TRANSMISSION

N

R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION
QUICK CONNECTION

CAPACITÀ FORATURA
DRILLING CAPACITY

18

D

DIN 55058

F

ASTUCCIO
FIXED SPINDLE

CODICE
MANDRINO
SPINDLE CODE

**CODICE
MANDRINO
SPINDLE CODE**



N° PRESE DI MOTO
NR. SPINDLE
DRIVES



08-12

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 13
ghisa / cast iron: GG25 15

MASCHIATURA
TAPPING



M12

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø20

PESO
GRUPPO TESTA
HEAD WEIGHT

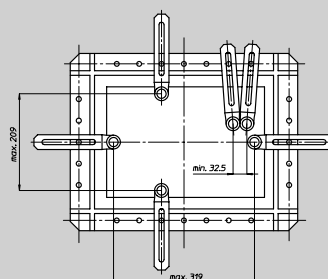
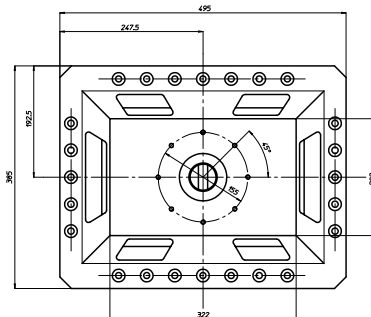
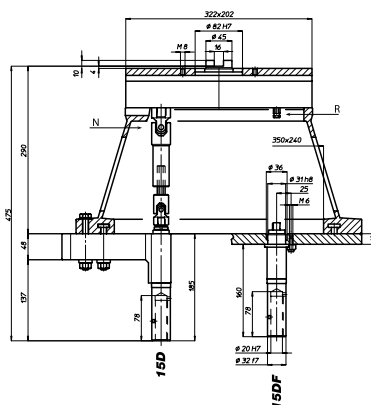


30 KG

PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



2,6 KG



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE
TR2/12

08

PRESA DI MOTO NORMALE
STANDARD DRIVE

12

PRESE DI MOTO
DRIVES

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

TRASMISSIONE
NORMALE
STANDARD TRANSMISSION

N

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION
QUICK CONNECTION

R

CAPACITÀ FORATURA
DRILLING CAPACITY

15

DIN 55058

D

F

ASTUCCIO
FIXED SPINDLE

CODICE
MANDRINO
SPINDLE CODE

TR2/12

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

FH

BAH

TA.CP

TA

MOx

HT

9-20

VH

TSI/TSX

T

MT-TC-TC3



N° PRESE DI MOTO
NR. SPINDLE
DRIVES



08-12-16

RAPPORTO
RATIO



1-1

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / steel R=500 N/mm² 13
ghisa / cast iron: GG25 15

MASCHIATURA
TAPPING



M12

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø20

PESO
GRUPPO TESTA
HEAD WEIGHT

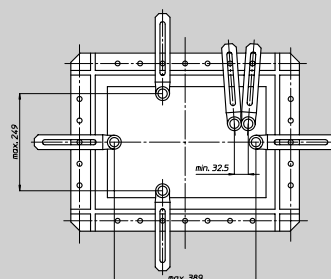
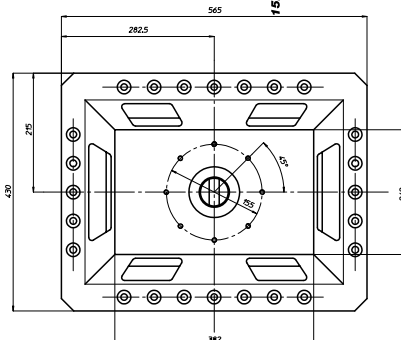
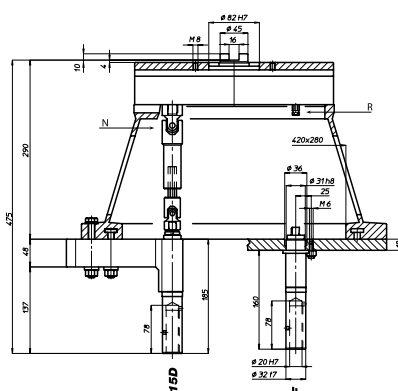


34,5 KG

PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



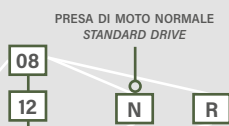
2,6 KG



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE
TR5/12



PRESE DI MOTO
DRIVES

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

TRASMISSIONE
NORMALE
STANDARD TRANSMISSION

N
R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION
QUICK CONNECTION

CAPACITÀ FORATURA
DRILLING CAPACITY

15

DIN 55058

D

F

ASTUCCIO
FIXED SPINDLE

CODICE
MANDRINO
SPINDLE CODE

TR5/12

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

FH

BAH

TA.CP

TA

MOx

HT

9-22

VH

TSI/TSX

T

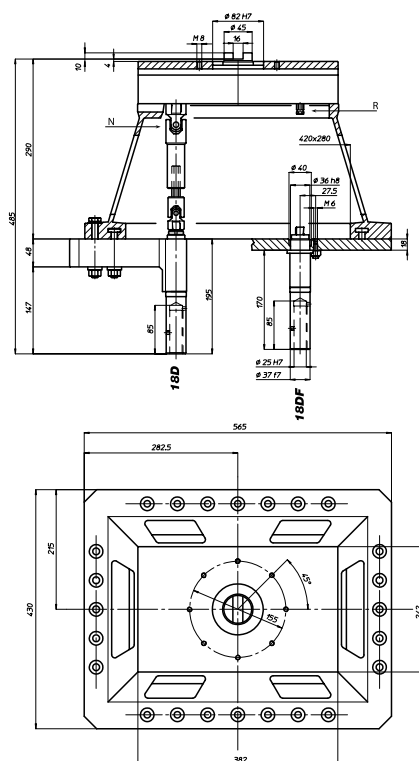
MT-TC-TC3





TR5/16

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



8-12



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

acciaio / still R=500 N/mm² 16

ghisa / cast iron: GG25 18



CAPACITÀ
DI FORATURA
DRILLING CAPACITY

M14



MASCHIATURA
TAPPING

D: DIN 55058 Ø25



ATTACCO UTENSILE
TYPE OF SPINDLE

36 KG

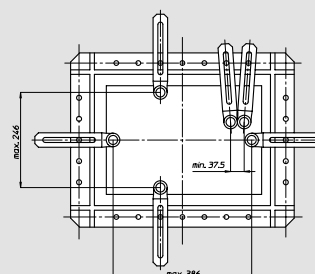


PESO
GRUPPO TESTA
HEAD WEIGHT

3,3 KG



PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TR5/16

08



PRESE DI MOTO NORMALE
STANDARD DRIVE

N



PRESE DI MOTO
DRIVES

PRESE DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

CAPACITÀ FORATURA
DRILLING CAPACITY

TRASMISSIONE NORMALE
STANDARD TRANSMISSION

N

R

TRASMISSIONE
ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

DIN 55058

D

F

ASTUCCIO
FIXED SPINDLE

CODICE
MANDRINO
SPINDLE CODE

N° PRESE DI MOTO
NR. SPINDLE
DRIVES



12

RAPPORTO
RATIO



1-1,5

CAPACITÀ
DI FORATURA
DRILLING CAPACITY



acciaio / still R=500 N/mm² 15D: 13 22D: 20
ghisa / cast iron: GG25 15D: 15 22D: 22

MASCHIATURA
TAPPING



15D: M12 22D: M16

ATTACCO UTENSILE
TYPE OF SPINDLE



D: DIN 55058 Ø20-Ø28

PESO
GRUPPO TESTA
HEAD WEIGHT

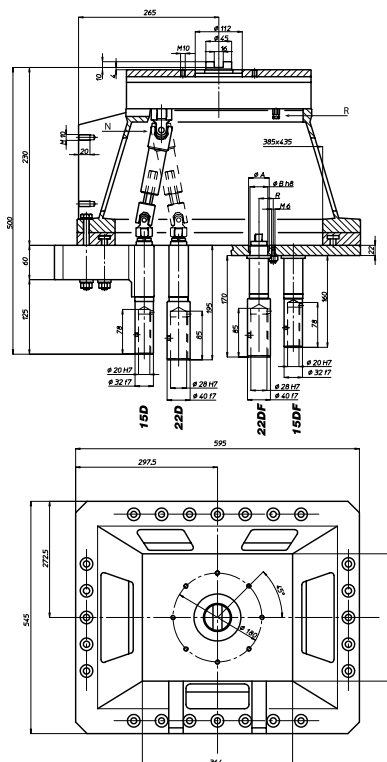


86 KG

PESO GRUPPO
MANDRINO
SPINDLE-SET WEIGHT



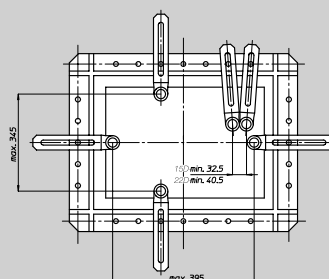
15D: 4 KG 22D: 5,5 KG



TR8/22

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

FH
BAH
TA.CP
TA
MOx
HT
9-24
VH
TSI/TSX



AREA DI LAVORO
WORKING AREA

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE
TR8/22

08

PRESE DI MOTO
DRIVES

PRESA DI MOTO NORMALE
STANDARD DRIVE

N

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

R

CAPACITÀ FORATURA
DRILLING CAPACITY

N

15

R

22

TRASMISSIONE ATTACCO RAPIDO
TRANSMISSION QUICK CONNECTION

DIN 55058

D

ASTUCCIO
FIXED SPINDLE

F

CODICE
MANDRINO
SPINDLE CODE

T
MT-TC-TC3
T
VH
TSI/TSX
9-24
HT
MOx
TA
TA.CP
BAH
FH



FH

BAH

TA.CP

TA

MOx

HT

9-25

VH

TSI/TSX

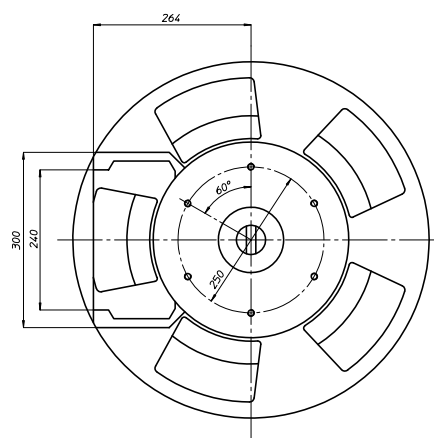
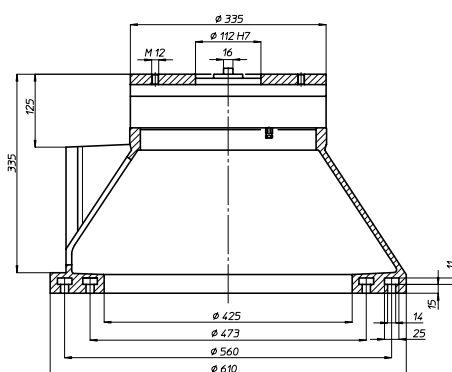
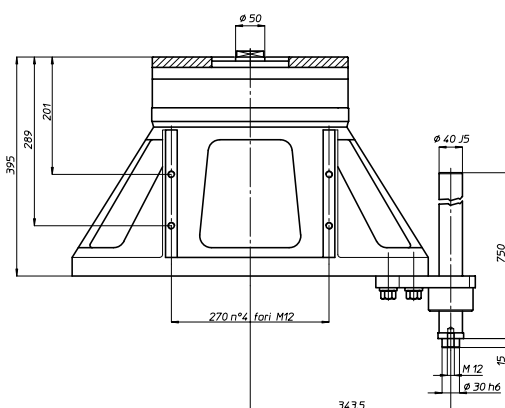
T

MT-TC-TC3



TM400

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



12



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1



RAPPORTO
RATIO

105 KG



PESO
WEIGHT

CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TM400

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

12 **R**

PRESE DI MOTO
DRIVES

Ø 385

AREA DI LAVORO
WORKING AREA



N° PRESE DI MOTO
NR. SPINDLE
DRIVES



18

RAPPORTO
RATIO

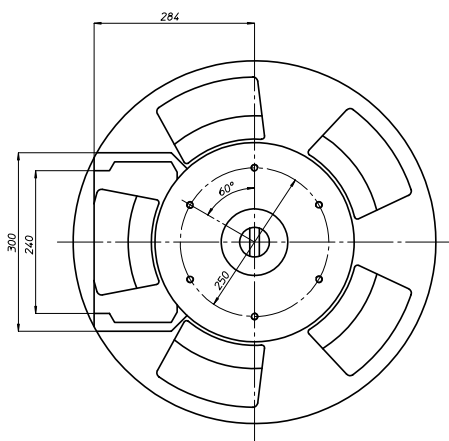
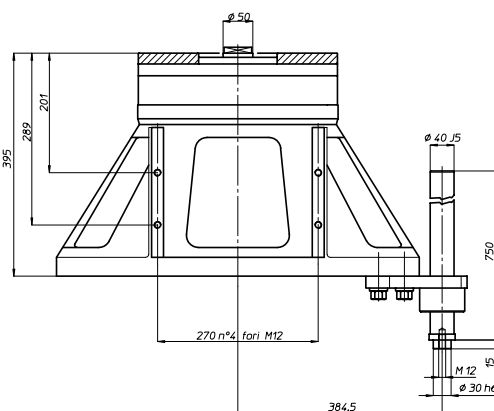
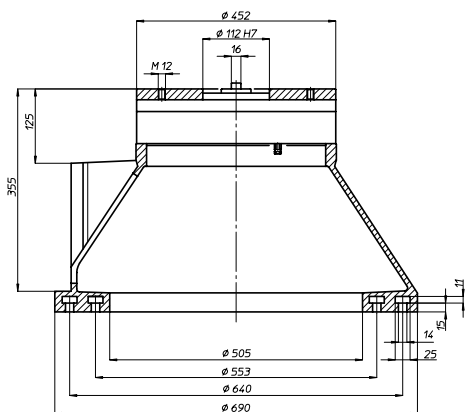


1-1

PESO
WEIGHT



145 KG



CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TM500

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

18

R

PRESE DI MOTO
DRIVES

Ø 465

AREA DI LAVORO
WORKING AREA

TM500

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

9-26

HT

MOx

TA

TA.CP

BAH

FH

T

TSI/TSX

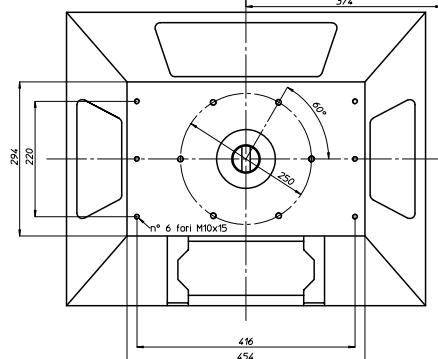
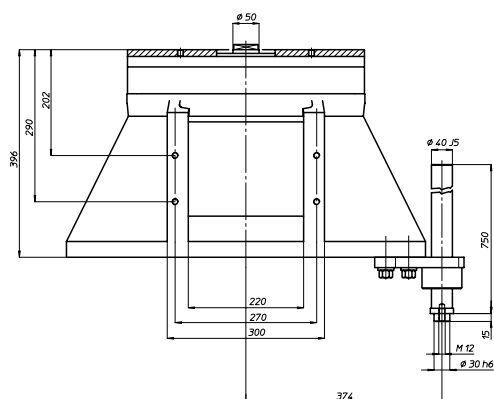
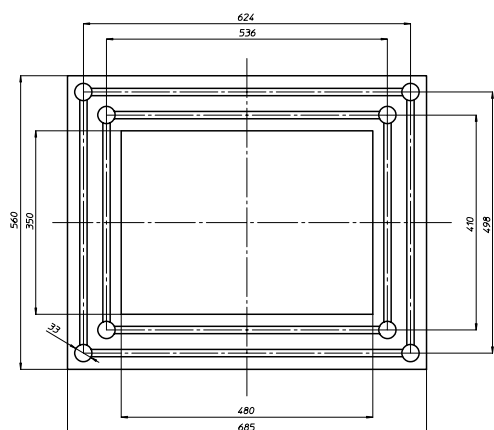
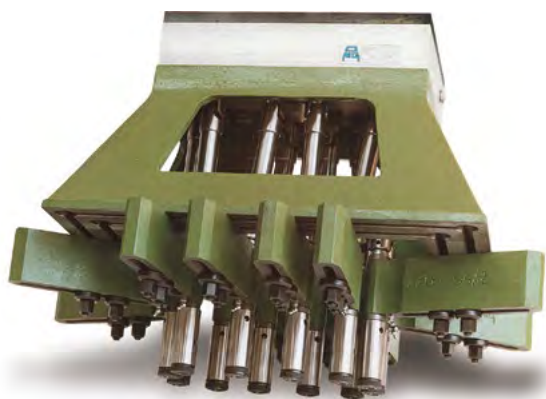
VH

MT-TC-TC3





TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



16



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

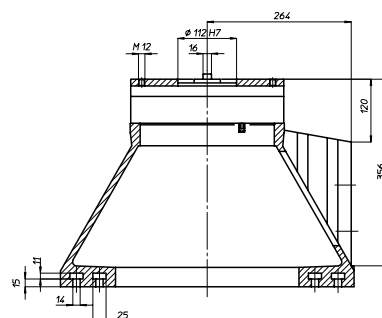
1-1

RAPPORTO
RATIO

135 KG



PESO
WEIGHT



CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TRM43

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

16

R

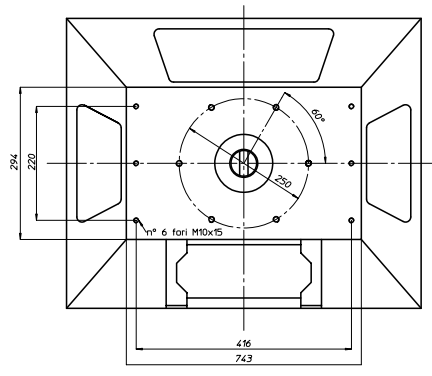
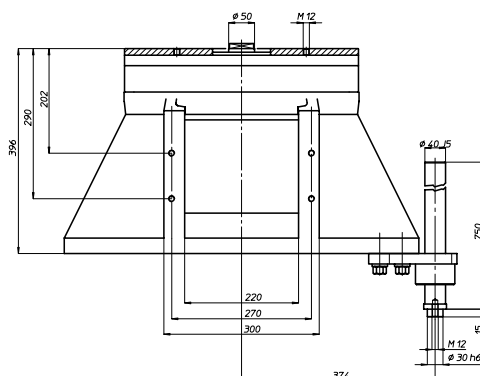
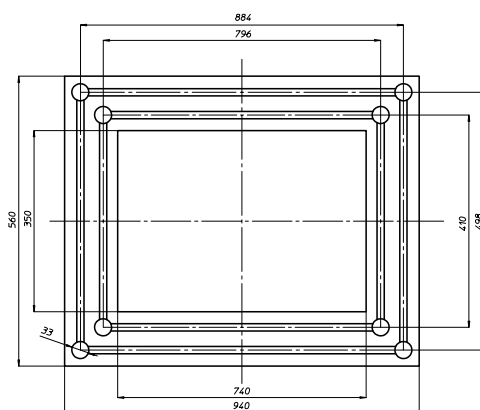
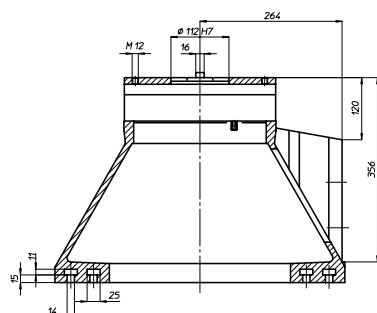
PRESE DI MOTO
DRIVES

300x440

AREA DI LAVORO
WORKING AREA


26

210 KG



TESTA MODELLO
HEAD TYPE

TRM73

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

26

PRESE DI MOTO
DRIVES

300x700

AREA DI LAVORO
WORKING AREA

TBM73

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD

FH

BAH

TA.CP

TA

MOX

IT

9-28

VH

TSI/TSX

T

MT-TC-TC3



FH

BAH

TA.CP

TA

MOx

HT

9-29

VH

TSI/TSX

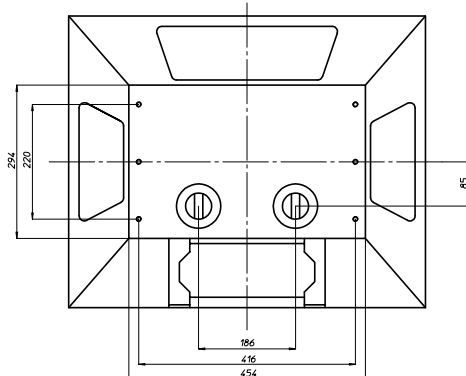
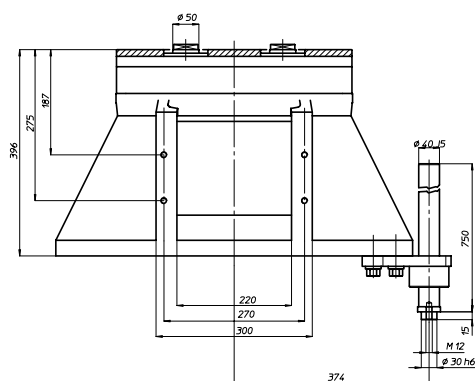
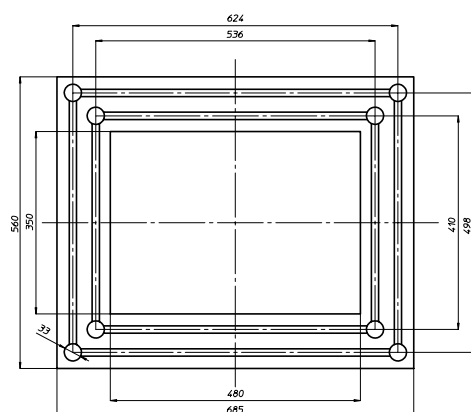
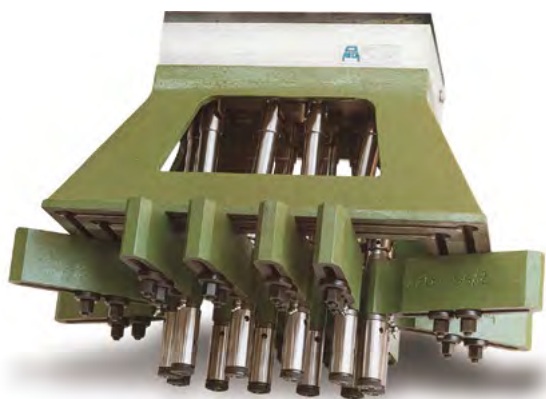
T

MT-TC-TC3



TRM43-2P

TESTA MULTIPLA A GIUNTI UNIVERSALI • ADJUSTABLE JOINT MULTISPINDLE HEAD



8+8



N° PRESE DI MOTO
NR. SPINDLE
DRIVES

1-1

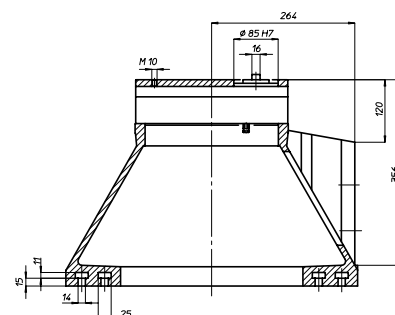


RAPPORTO
RATIO

140 KG



PESO
WEIGHT



CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TRM43

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

16

PRESE DI MOTO
DRIVES

R

N.2 PRESE DI FORZA
NR.2 CENTRAL DRIVES

2P

300x440

AREA DI LAVORO
WORKING AREA



N° PRESE DI MOTO
NR. SPINDLE
DRIVES



13+13

RAPPORTO
RATIO

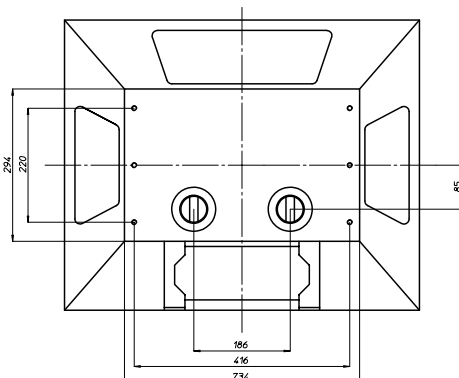
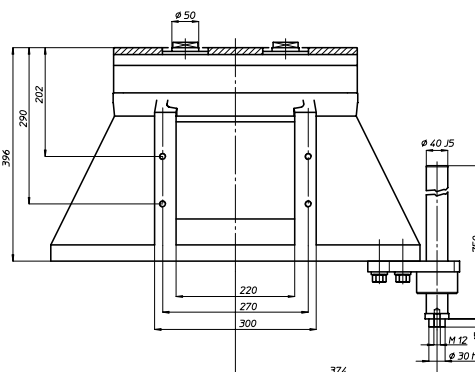
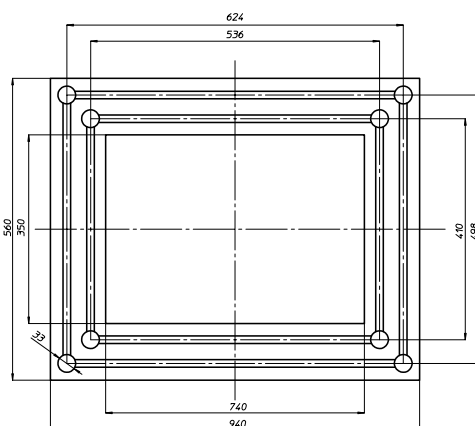


1-1

PESO
WEIGHT



210 KG



TRM73-2P

TESTA MULTIPLA A GIUNTI UNIVERSALI - ADJUSTABLE JOINT MULTISPINDLE HEAD

FH

BAH

TA.CP

TA

MOx

HT

9-30

VH

TSI/TSX

T

MT-TC-TC3



CODICE TESTA
HEAD CODE

TESTA MODELLO
HEAD TYPE

TRM73

26

PRESE DI MOTO
DRIVES

R

PRESA DI MOTO ATTACCO RAPIDO
QUICK DRIVE CONNECTION

2P

N.2 PRESE DI FORZA
NR.2 CENTRAL DRIVES

300x700

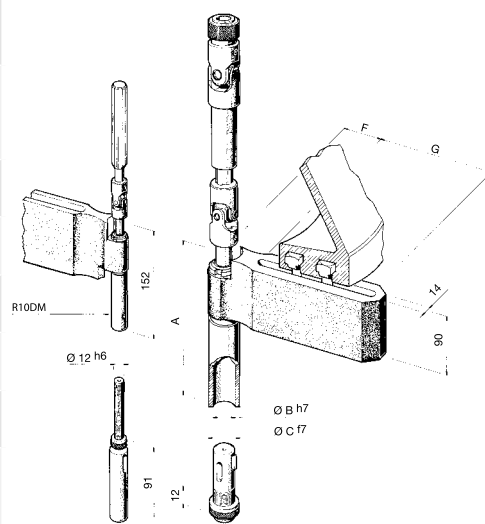
AREA DI LAVORO
WORKING AREA

SOLO PER TESTE TM-TRM

FOR TM-TRM HEADS ONLY

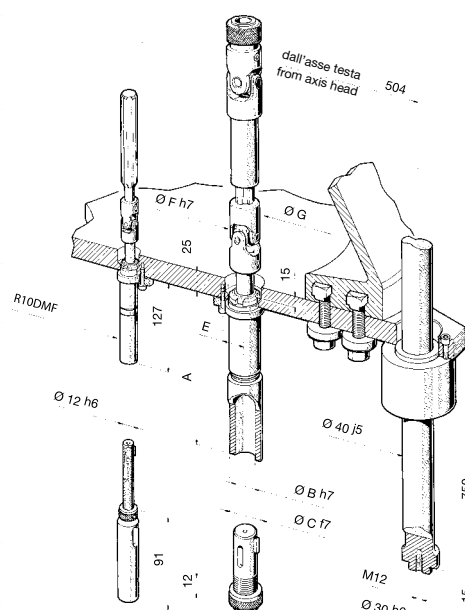
TIPI MANDRINI SPINDLES TYPE	10DM	15DM	22DM
CODICE CODE	R10DM-S5 R10DM-S6	R15DM-S5 R15DM-S6	R22DM-S5 R22DM-S6
CAPACITÀ MASCHIATURA TAPPING	M6	M12	M16
CORSA MASCHIATURA TAPPING STROKE	40	40	40
A	152	208	217
ØB H7	12	20	28
ØC F7	20	32	40
F	59	55	55
G	200 270	200 270	200 270
INTERASSE MINIMO CENTER DISTANCE	23	32,5	40,5
PESO WEIGHT	4,0 KG 4,5 KG	5,2 KG 5,7 KG	6,6 KG 7,4 KG

SU STAFFA ON ARM



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	18,5	25	29
INTERASSE VITE M6 DISTANCE SCREW 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 KG	2,6 KG	3,8 KG

SU ASTUCCIO PER FLANGIA FISSA FIXED PLATE SPINDLE



GRUPPO MANDRINO PER FORATURA E MASCHIATURA - DRILLING AND TAPPING SPINDLE SET

9-32

FH

BAH

TA.CP

TA

MOx

HT

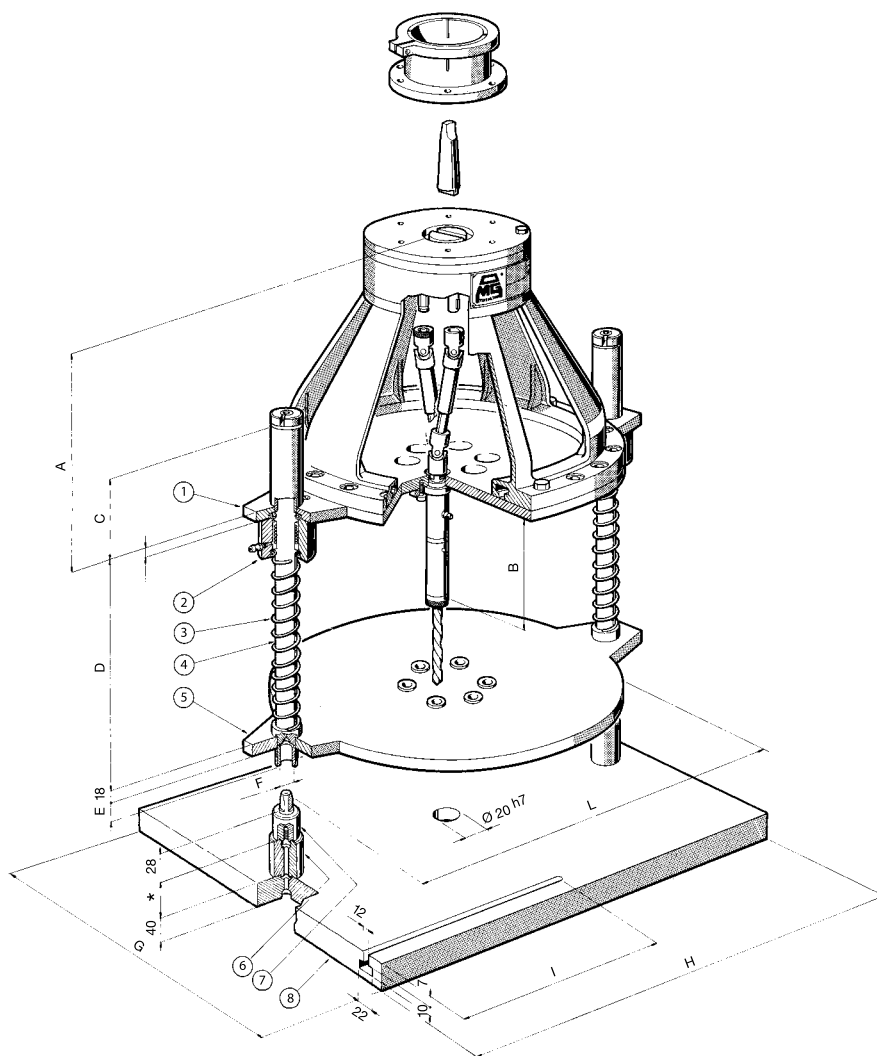
VH

TSI/TSX

T

MT-TC-TC3





* a richiesta

MODELLO TESTA HEAD TYPE	A	B		C	D	E	ØFh7	G	H	I	L	1	2	3	4	5	6	7	8
		DIN 55058	Pinza ER									FLANGIA FISSA FIXED PLATE	CARTUCCIA DI GUIDA GUIDE BUSH	MOLLA SPRING	COLONNA COLUMN	MASCHERA DRILLING JIG	DISTANZIALE SPACER	PUNTALE PUSH-ROD	BASE BASE
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	076132	076136	076131	076057		076137	076087
T18	293	185		100	405	27	18	300	650	350	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																
TL20/6	237	101,5	76	70	280	22	10	250	500	300	400	076012	076122	076126	076121	076062		076127	076092
TL20/8	237	109	94,5																
TL40/12	290	175																	
TL40/16	290	185							650	350	604	076013				076063			076093
TL40/22	318	185																	
TL60/12	290	175																	
TL60/16	290	185							850	450	804	076014	076132	076136	076131	076064		076137	076094
TL60/22	318	185		100	405	27	18	300											
TR2/12	290	175									548	076015				076065			076095
TR2/16	290	185							650	350									
TR5/12	290	175									629	076016				076066			076096
TR5/16	290	185																	

SERIE T-TS-TL-TR

ATTREZZATURE PER TESTE MULTIPLE
MULTISPINDLE HEADS EQUIPMENT

9-34

FH

BAH

TA.CP

TA

MOX

HT

VH

TSI/TSX

T

MT-TC-TC3



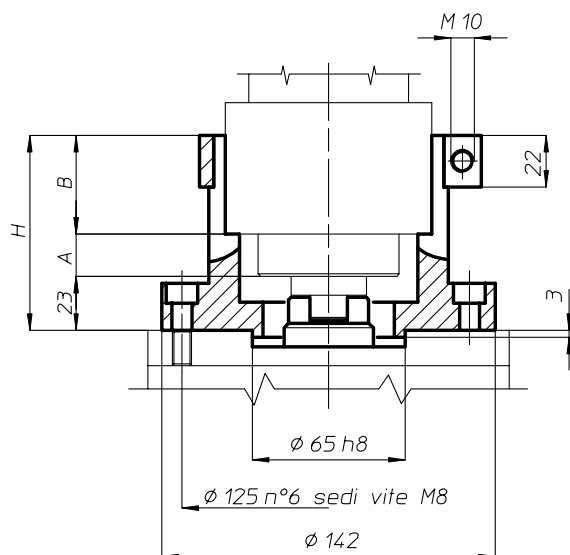


ATTACCO CONO MORSE TRASCINATORE

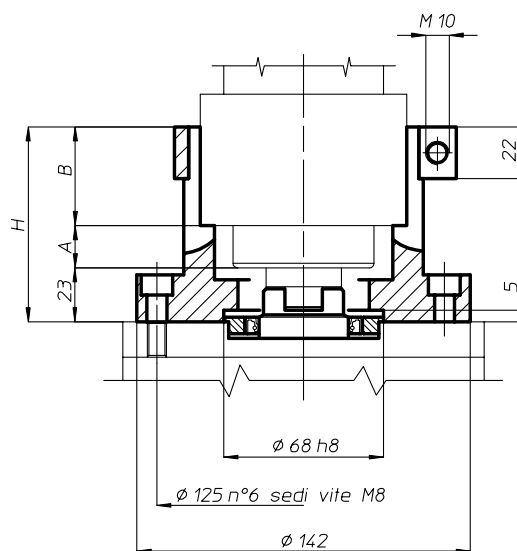
MORSE TAPER WITH DRIVING DOG

T4 - T7 - T10 - TL20...

SOLO VERSIONE ORIZZONTALE
FOR HORIZONTAL USE ONLY

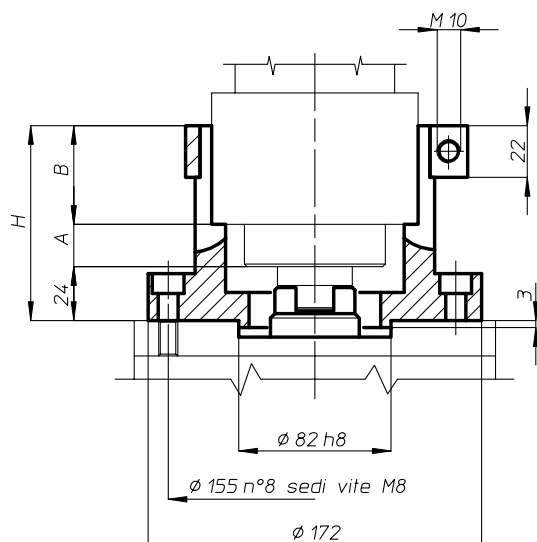


VERSIONE STANDARD
STANDARD VERSION

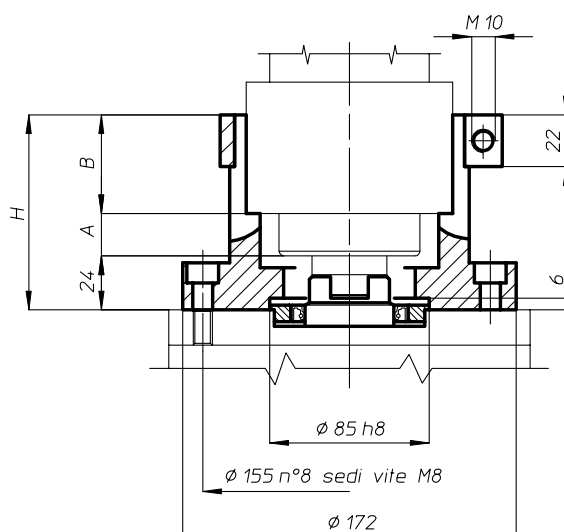


T4 - T7 - T10 - TL20...

SOLO VERSIONE ORIZZONTALE
FOR HORIZONTAL USE ONLY



VERSIONE STANDARD
STANDARD VERSION



NOTE

NOTES

FH

BAH

TA.CP

TA

MOx

HT

9-36

VH

TSI/TSX

T

MT-TC-TC3

