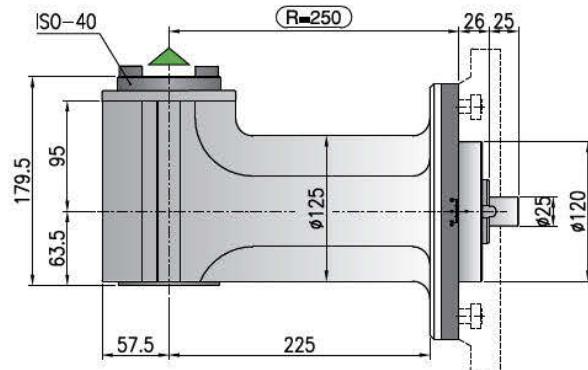
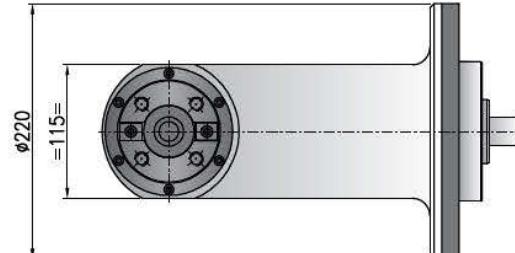
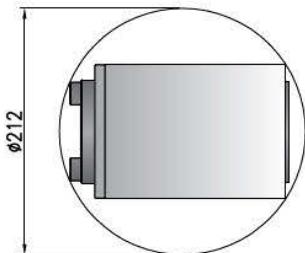


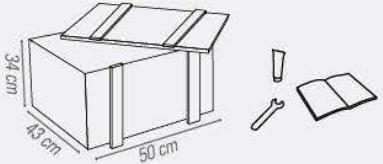
# T90-8 HS

**APT908HS**


Minimum diameter without tool  
Diametro minimo senza utensile



	Ratio Rapporto 1:1
	RPM Velocità 5.000 min <sup>-1</sup>
	Max. axial load Max. carico assiale 2.400 N
	Torque Momento torcente 100 Nm
	Weight Peso 33 kg
	ISO/BT 40

**\* STANDARD EQUIPMENT INCLUDES:**


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



Shank/Cone

DIN-69871

CAT

MAS-BT

HSK

CAPTO

KM

**Option / Opzione**


bar max

12

Coolant through spindle  
Adduzione refrigerante interna


HSK-63 CAPTO C4 C5


AIR/OIL  
Air / oil lubrication  
Lubrificazione aria / olio

# T90-8 HP

**APT908HP**

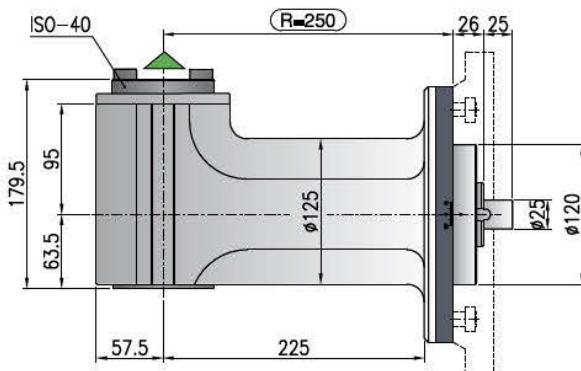
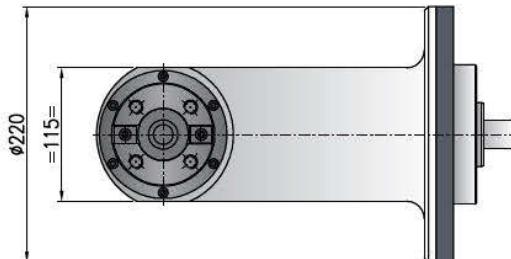
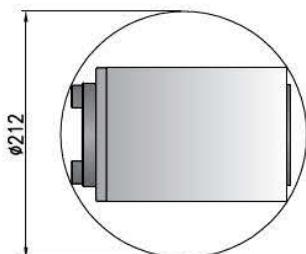
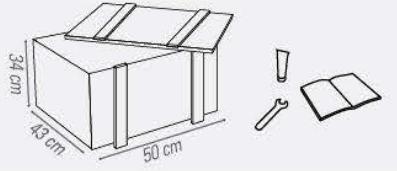
**Ratio**  
*Rapporto*  
**1:1**

**RPM**  
*Velocità*  
**3.000 min<sup>-1</sup>**

**Max. axial load**  
*Max. carico assiale*  
**2.400 N**

**Torque**  
*Momento torcente*  
**200 Nm**

**Weight**  
*Peso*  
**33 kg**

**ISO/BT 40**
**Minimum diameter without tool**  
*Diametro minimo senza utensile*

**\* STANDARD EQUIPMENT INCLUDES:**

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

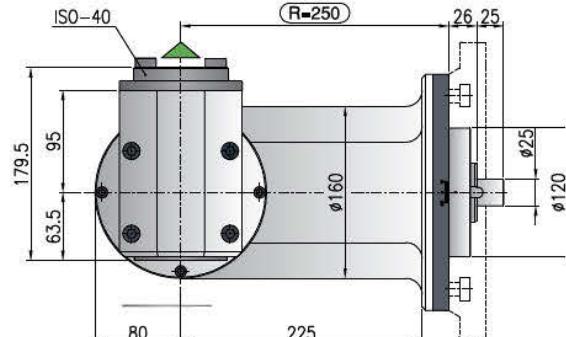
**Shank/Cono**
**DIN-69871**
**CAT**
**MAS-BT**
**HSK**
**CAPTO**
**KM**
**Option / Opzione**

*bar max*  
**12**
*Coolant through spindle*  
*Adduzione refrigerante interna*

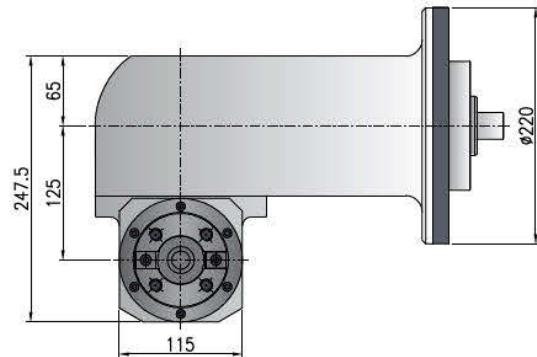
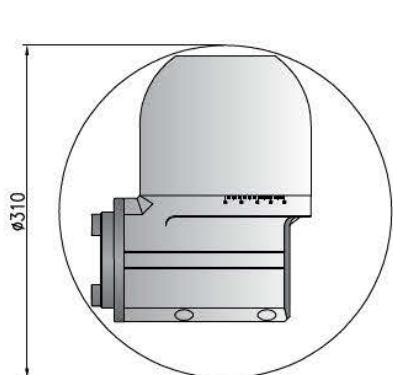
**HSK-63A CAPTO C4 C5**
*Quick Change*  
*Attacco rapido*

**AIR/OIL**
*Air / oil lubrication*  
*Lubrificazione aria / olio*

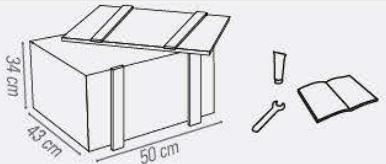
# TDU-8

**APTDU80C**


Minimum diameter without tool  
Diametro minimo senza utensile



	Ratio Rapporto 1:1
	RPM Velocità 3.000 min <sup>-1</sup>
	Max. axial load Max. carico assiale 2.400 N
	Torque Momento torcente 100 Nm
	Weight Peso 50 kg
	Collet Pinza

**\* STANDARD EQUIPMENT INCLUDES:**


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


**Shank/Cone**
**DIN-69871**
**CAT**
**MAS-BT**
**HSK**
**CAPTO**
**KM**
**Option / Opzione**

*bar max*
**12**

Coolant through spindle  
Adduzione refrigerante interna


**HSK-63A CAPTO C4 C5**

Quick Change  
Attacco rapido


**AIR/OIL**

Air/oil lubrication  
Lubrificazione aria/olio

# T90-8 XL - R=450 / 650 / 850



Ratio  
Rapporto  
1:1



RPM  
Velocità  
3.000 min<sup>-1</sup>



Max. axial load  
Max. carico assiale  
2.400 N



Torque  
Momento torcente  
100 Nm

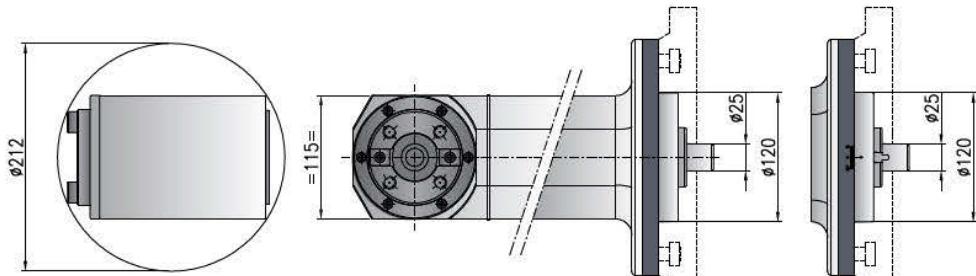


Collet  
Pinza  
ISO/BT 40

R= 450 / 650

R= 850

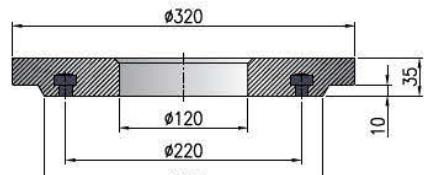
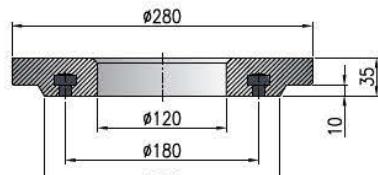
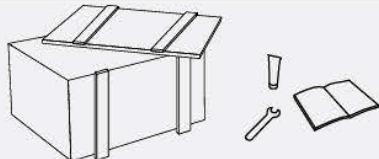
Minimum diameter without tool  
Diametro minimo senza utensile



R= 450 / 650

R= 850

\* STANDARD EQUIPMENT INCLUDES:



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



Shank/Cono

DIN-69871

CAT

MAS-BT

HSK

CAPTO

KM

Option / Opzione



bar max  
12

Coolant through spindle  
Adduzione refrigerante interna



HSK-63A CAPTO C4 C5

Quick Change  
Attacco rapido



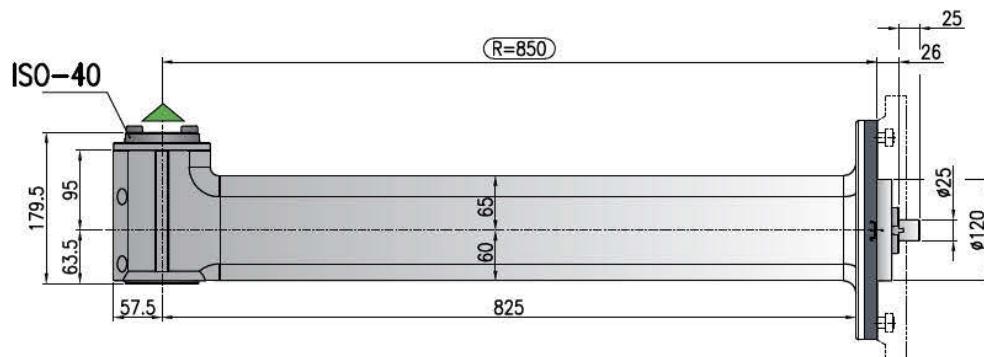
AIR/OIL

Air / oil lubrication  
Lubrificazione aria / olio

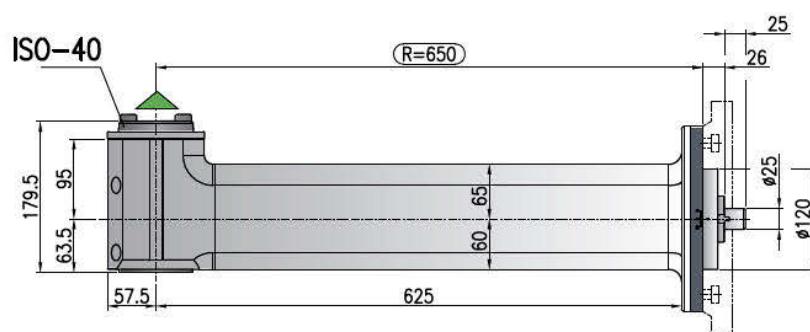
## APT9080P.450 / APT9080S.650 / APT9080S.850



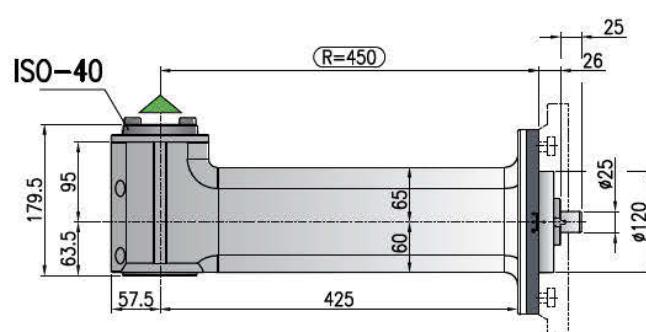
Weight  
Peso  
105 kg



Weight  
Peso  
75 kg



Weight  
Peso  
62 kg

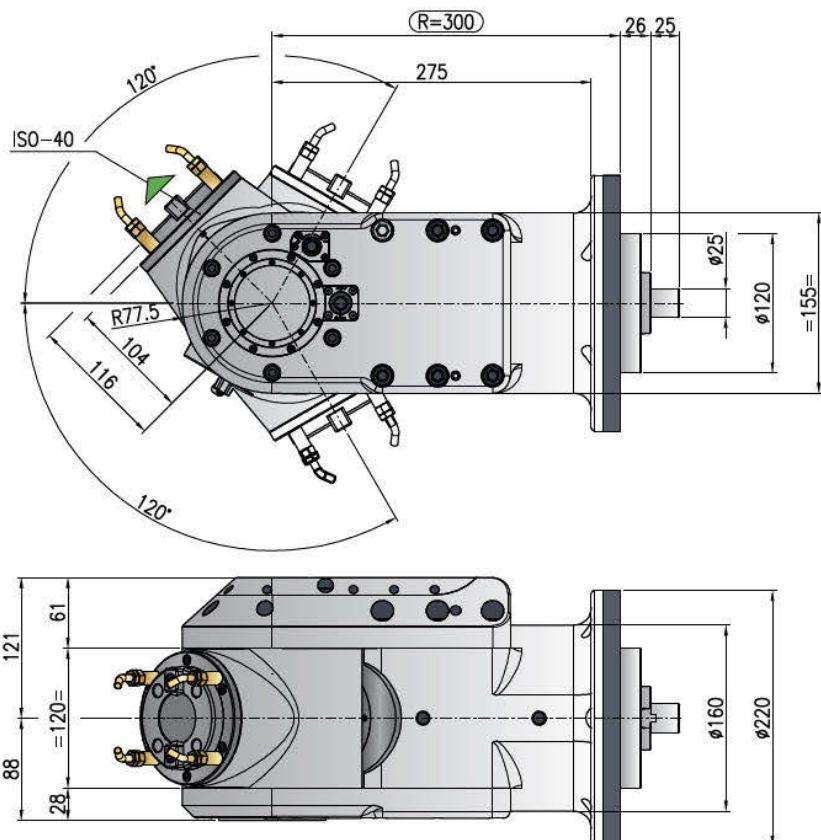
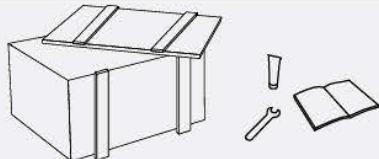


TCU-8 R.I. 15 BAR

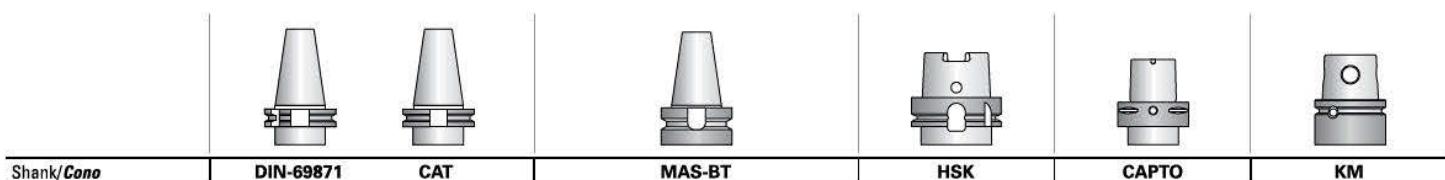
## APTCU80C

	Ratio Rapporto <b>1:1</b>
	RPM Velocità <b>3.000 min<sup>-1</sup></b>
	Max. axial load Max. carico assiale <b>2.400 N</b>
	Torque Momento torcente <b>100 Nm</b>
	Weight Peso <b>72 kg</b>
	<b>ISO/BT 40</b>

**\* STANDARD EQUIPMENT INCLUDES:**



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



**DIN-69871**   **CAT**   **MAS-BT**   **HSK**   **CAPTO**   **KM**

### Option / *Opzione*



*bar max*

12

*Coolant through spindle*  
*Adduzione refrigerante interna*



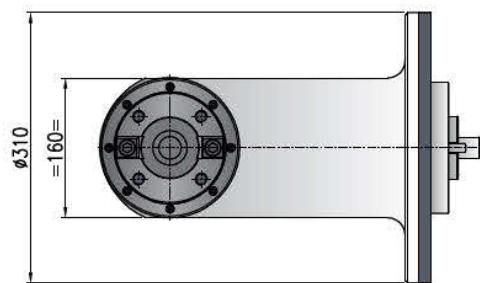
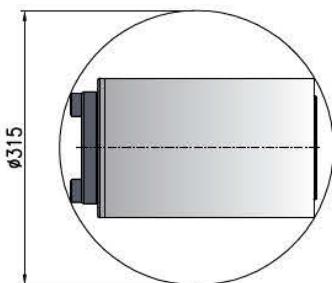
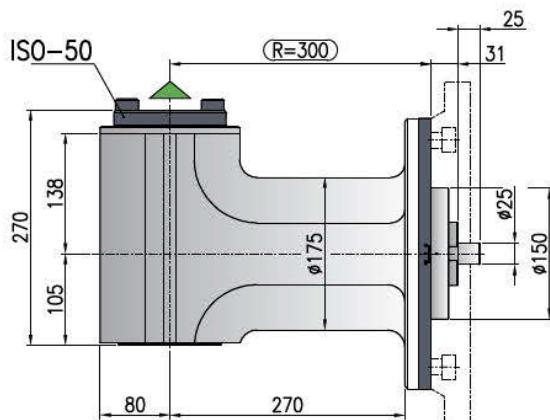
HSK-63



OIL

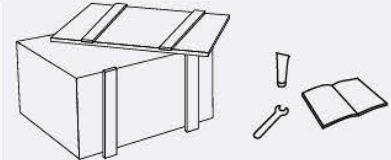
## T90-10

APT9010C



Ratio Rapporto 1:1
RPM Velocità 3.000 min <sup>-1</sup>
Max. axial load Max. carico assiale 3.300 N
Torque Momento torcente 250 Nm
Weight Peso 77 kg
Collet Pinza ISO/BT 50

\* STANDARD EQUIPMENT INCLUDES:


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


Shank/Cono



DIN-69871



CAT



MAS-BT



HSK



CAPTO



KM

Option / Opzione


bar max  
12

Coolant through spindle  
Adduzione refrigerante interna


HSK-100

Quick Change  
Attacco rapido


AIR/OIL

Air/oil lubrication  
Lubrificazione aria/olio

# TDU-10

**APTDU10C**


Ratio  
Rapporto  
1:1



RPM  
Velocità  
3.000 min<sup>-1</sup>



Max. axial load  
Max. carico assiale  
3.300 N



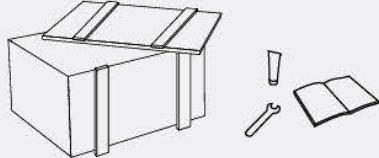
Torque  
Momento torcente  
250 Nm



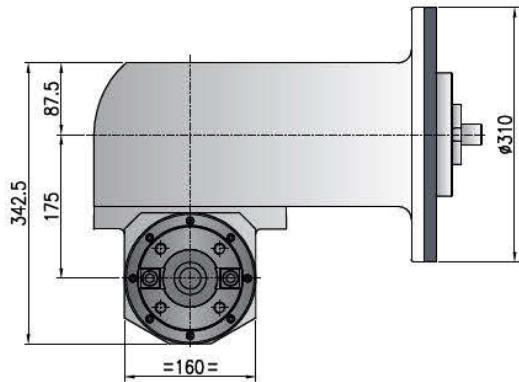
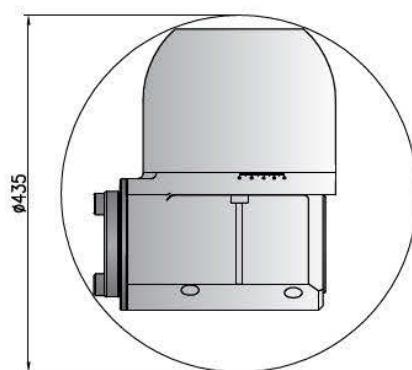
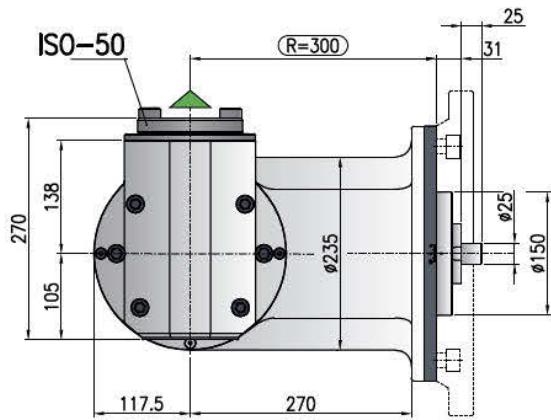
Weight  
Peso  
121 kg



Collet  
Pinza  
ISO/BT 50

**\* STANDARD EQUIPMENT INCLUDES:**


Minimum diameter without tool  
Diametro minimo senza utensile



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


**Shank/Cono**
**DIN-69871**
**CAT**
**MAS-BT**
**HSK**
**CAPTO**
**KM**
**Option / Opzione**

*bar max*
**12**

Coolant through spindle  
Adduzione refrigerante interna

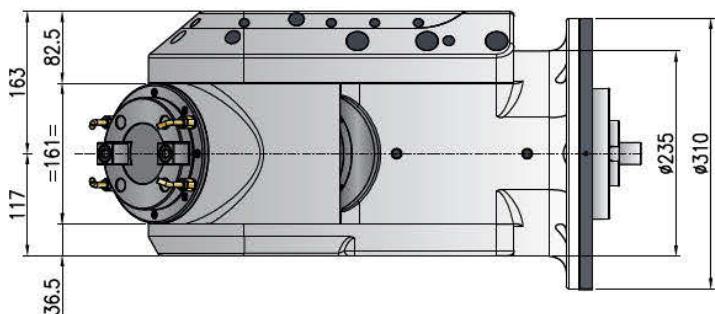
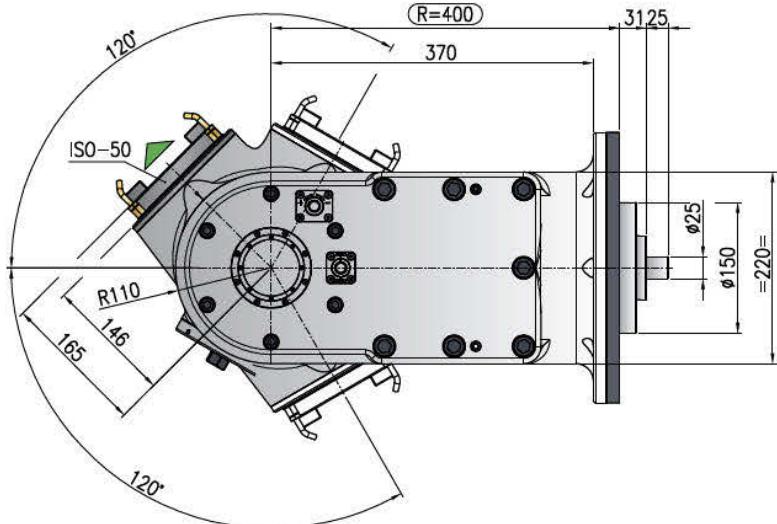

**HSK-100**

Quick Change  
Attacco rapido


**AIR/OIL**

Air / oil lubrication  
Lubrificazione aria / olio

# TCU-10 R.I. 15 BAR

**APTCU10C**


	Ratio Rapporto 1:1
	RPM Velocità 3.000 min <sup>-1</sup>
	Max. axial load Max. carico assiale 3.300 N
	Torque Momento torcente 250 Nm
	Weight Peso 194 kg
	Collet Pinza ISO/BT 50
<b>* STANDARD EQUIPMENT INCLUDES:</b>	
	

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


**Option / Opzione**

*bar max*
**12**
*Coolant through spindle  
Adduzione refrigerante interna*

**HSK-100**
*Quick Change  
Attacco rapido*

**OIL**
*Oil lubrication  
Lubrificazione*

# TR90-15



Ratio (riduzione)  
Rapporto (reduction)  
**1.875:1**



RPM  
Velocità  
**2.500 min<sup>-1</sup>**



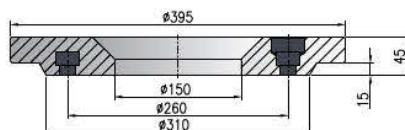
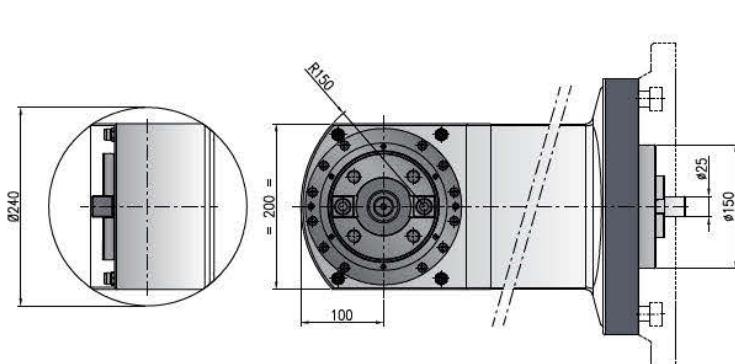
Max. axial load  
Max. carico assiale  
**3.900 N**



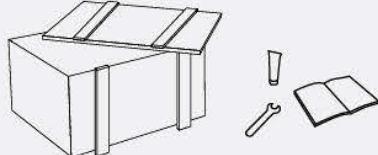
Torque  
Momento torcente  
**600 Nm**



Collet  
Pinza  
**ISO/BT 50**



\* STANDARD EQUIPMENT INCLUDES:



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



Shank/Cono

DIN-69871

CAT

MAS-BT

HSK

CAPTO

KM

Option / Opzione



bar max  
**12**

Coolant through spindle  
Adduzione refrigerante interna



HSK-63

Quick Change  
Attacco rapido



AIR/OIL

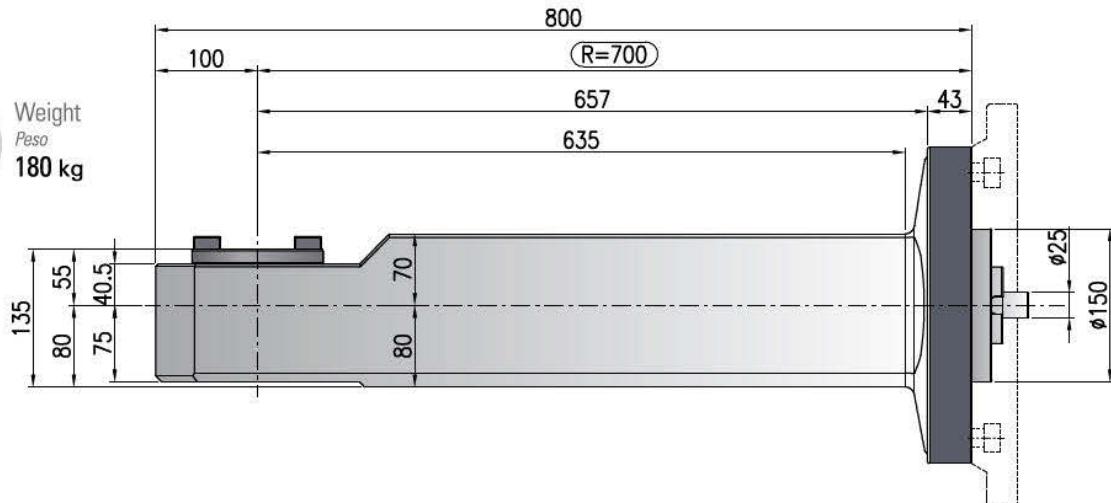
Air/oil lubrication  
Lubrificazione aria / olio

## LINEA P-MODULAR

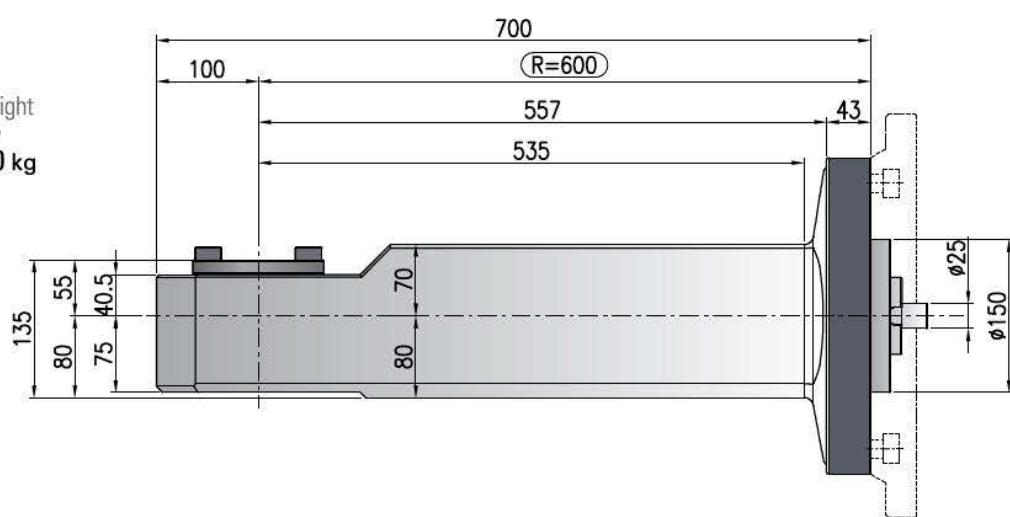
**APTR9015C**



Weight  
*Peso*  
**180 kg**



Weight  
*Peso*  
**140 kg**



Weight  
*Peso*  
**110 kg**

