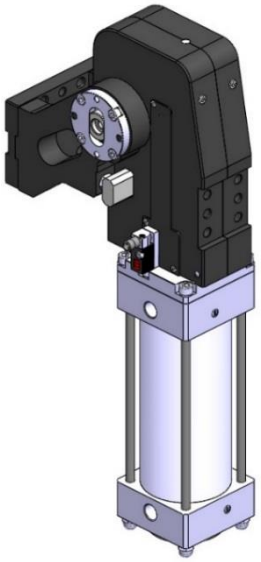
VEP AUTOMATION
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Ribaltatore pneumo-idraulico RCM/RC.2
Pneumo-hydraulic swivel unit RCM/RC.2

Caratteristiche principali:

- Sistema di cambio angolo facilitato (RCM)
- Versione (RC) con angolo d'apertura fisso
- Controllo idraulico della movimentazione integrato nel cilindro pneumatico
- Fianchetti in alluminio
- Dispositivo a ginocchiera interno
- Bracci leva in acciaio
- Arresto bracci leva esterno
- 2 possibilità di staffaggio (fronte e retro)
- Alesaggio del cilindro pneumatico: 100/125/160/200 mm
- 6 fori di connessione (GAS o NPT)
- 2 smorzatori di finecorsa pneumatici regolabili
- Nuovo finecorsa induttivo (connessione M12x1)



Main characteristics:

- Opening angle easily adjustable (RCM)
- (RC) version with fixed opening angle
- Hydraulic motion control integrated into the pneumatic cylinder
- Aluminum flanks
- Toggle action mechanism
- Steel arms
- External arms stop
- 2 mounting areas (front and back)
- 4 Pneumatic cylinder bore: 100/125/160/200 mm
- 6 feeding ports (GAS or NPT)
- 2 end strokes pneumatic cushioning adjustable
- Inductive proximity switch (connection M12x1)

PDF 3D Step WEB

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5		RCM100.2-121-O-PX-P-G-X
6		RCM100.2-77-O/LS-PX-P-G-X
7		RCM125.2-129-V-PX-P-G-X
8		RCM125.2-129-V/LS-PX-P-G-X
9		RCM125.2-107-O-PX-P-G-X
10		RCM125.2-76-O/LS-PX-P-G-X
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24	Schema pneumatico/ Pneumatic plan	
25	Angoli d'apertura addizionali (RC.2)/Additional opening angles RC.2)	
26	Deceleratori / arresti e guide esterne Shock absolver / external stops and guides	
27-28	Ricambi / Spare parts	
29	Note / Notes	

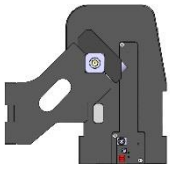
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Codice d'ordine.
Ordering example.

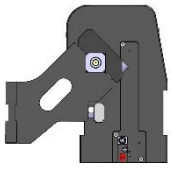
RCM125.2 – 91 – V – PX – P – G – X

RCM100.2
alesaggio Ø100mm
cylinder bore Ø100mm
RCM125.2
alesaggio Ø125mm
cylinder bore Ø125mm
RCM160.2
alesaggio Ø160mm
cylinder bore Ø160mm
RCM200.2
alesaggio Ø200mm
cylinder bore Ø200mm

RCMA (optional)



RCMB (optional)



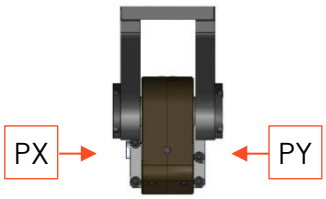
Angolo d'apertura
Opening angle

RCM100.2								
O	---	29°	45°	61°	77°	92°	104°	121°
O/LS	---	29°	45°	61°	77°	---	---	---
V	---	29°	45°	61°	77°	92°	104°	121°
V/LS	---	29°	45°	61°	77°	92°	104°	121°
RCM125.2 / 160.2 / 200.2								
O	15°	30°	43°	61°	76°	91°	107°	---
O/LS	15°	30°	43°	61°	76°	---	---	---
V	15°	30°	43°	61°	76°	91°	107°	129°
V/LS	15°	30°	43°	61°	76°	91°	107°	129°

Angoli d'apertura addizionali sono disponibili su richiesta con l'unità **RC.2**. (vedi pagina 25)
On request are available additional opening angles with **RC.2** units. (see page 25)

Tipologia braccio leva (vedere pagine dimensionali):
Swivel arm type (see dimensional pages):
O: braccio leva orizzontale
horizontal arm
V: braccio leva verticale
vertical arm
O/LS: braccio leva orizzontale simmetrico
symmetric horizontal arm
V/LS: braccio leva verticale simmetrico
symmetric vertical arm

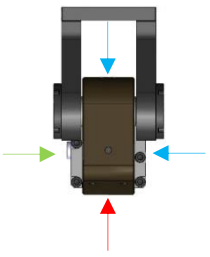
Posizione sensore induttivo (vedere pag. 23)**:**
Inductive sensor position (see page 23)**:**
PO: senza
without
PX: sul lato X
on the X side
PY: sul lato Y
on the Y side



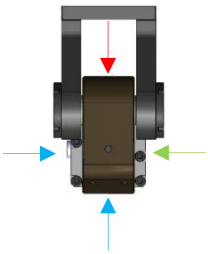
Tipologia fori d'alimentazione:
Feeding ports type:
G: fori tipo G...*
ports type G...*
N: fori tipo ...*NPT
ports type ...*NPT

Tipo sensore induttivo:
Inductive sensor type:
P: Pepperl+Fuchs con LED rosso
Pepperl+Fuchs with red LED

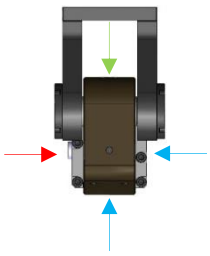
Posizione fori d'alimentazione e smorzatore di finecorsa:
Feeding ports position and cushion adjustment:



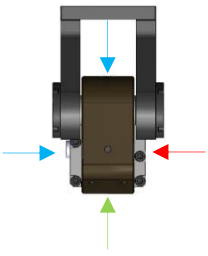
X: sul lato X (sx)
on the X side (left)



Y: sul lato Y (dx)
on the Y side (right)



W: sul lato W (ant.)
on the W side (front)



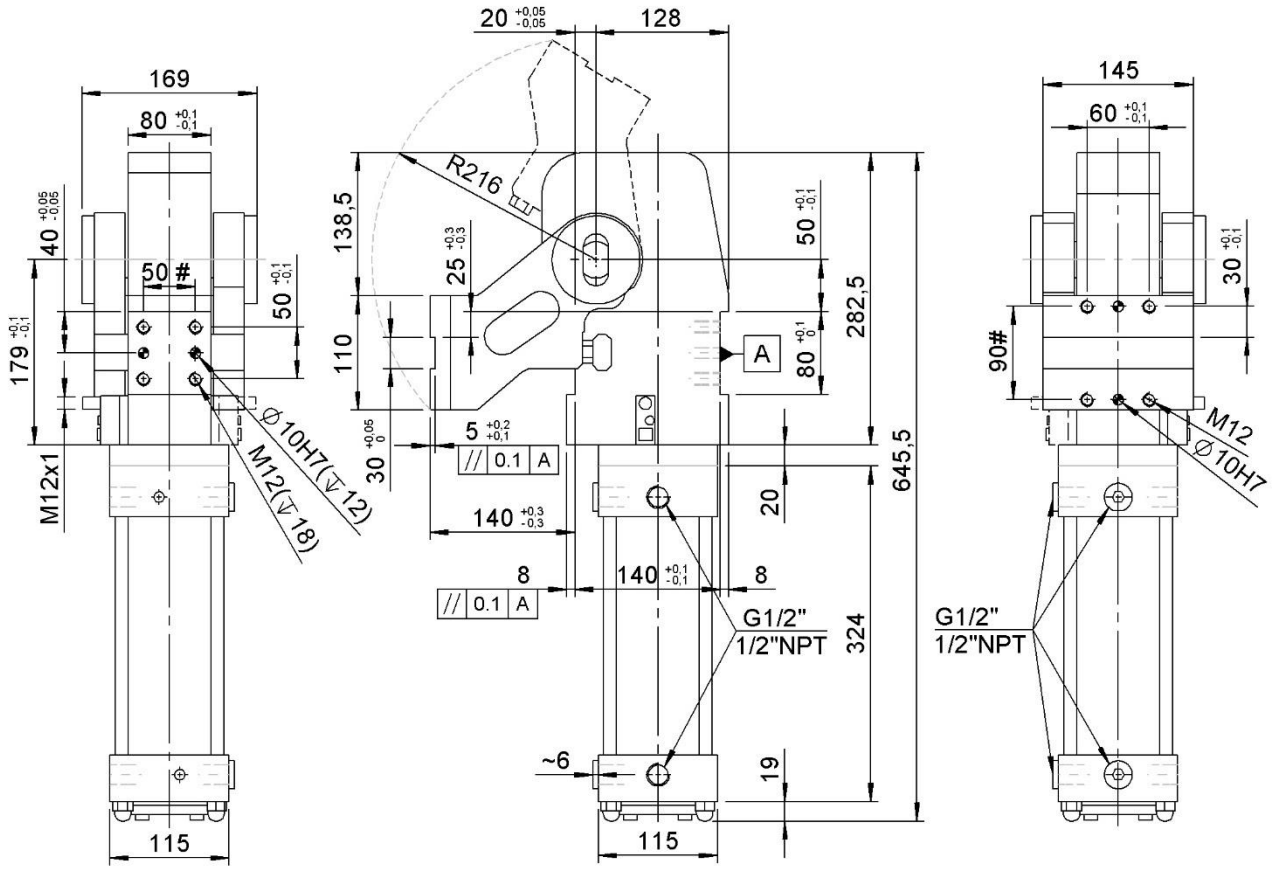
Z: sul lato Z (post.)
on the Z side (rear)

connessione aria air connection
connessione aria con tappo
air connection with plug
smorzatore di finecorsa cushion adjustment

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RCM100.2-121-V-PX-P-G-X

Ribaltatore, D.100, Angolo Vario, Leva verticale std.
Swivel unit, D.100, Vario Op. Angle, Std. Vertical arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM100.2-121-V	100	2000	~ 27	4 – 8	29°-45°-61°-77° 92°-104°-121°	14,3

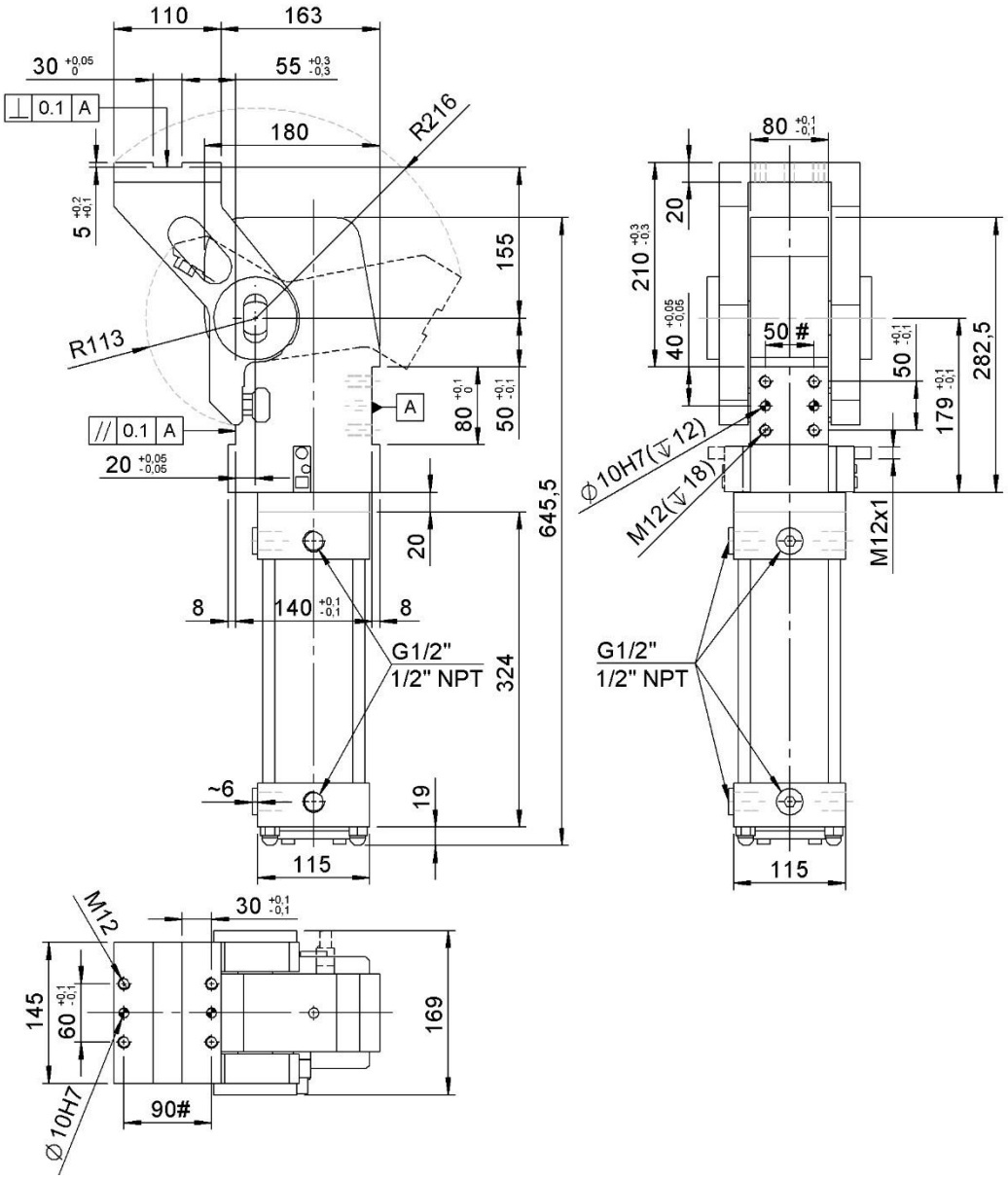
Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92° — **150 Nm**
Opening angle ≤ 92°

Angolo d'apertura > 92° / ≤ 121° — **110 Nm**
Opening angle > 92° / ≤ 121°

RCM100.2-121-O-PX-P-G-X

Ribaltatore, D.100, Angolo Vario, Leva orizzontale std.
Swivel unit, D.100, Vario Op. Angle, Std. Horizontal arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM100.2-121-O	100	2000	~ 27	4 – 8	29°-45°-61°-77° 92°-104°-121°	14,3

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

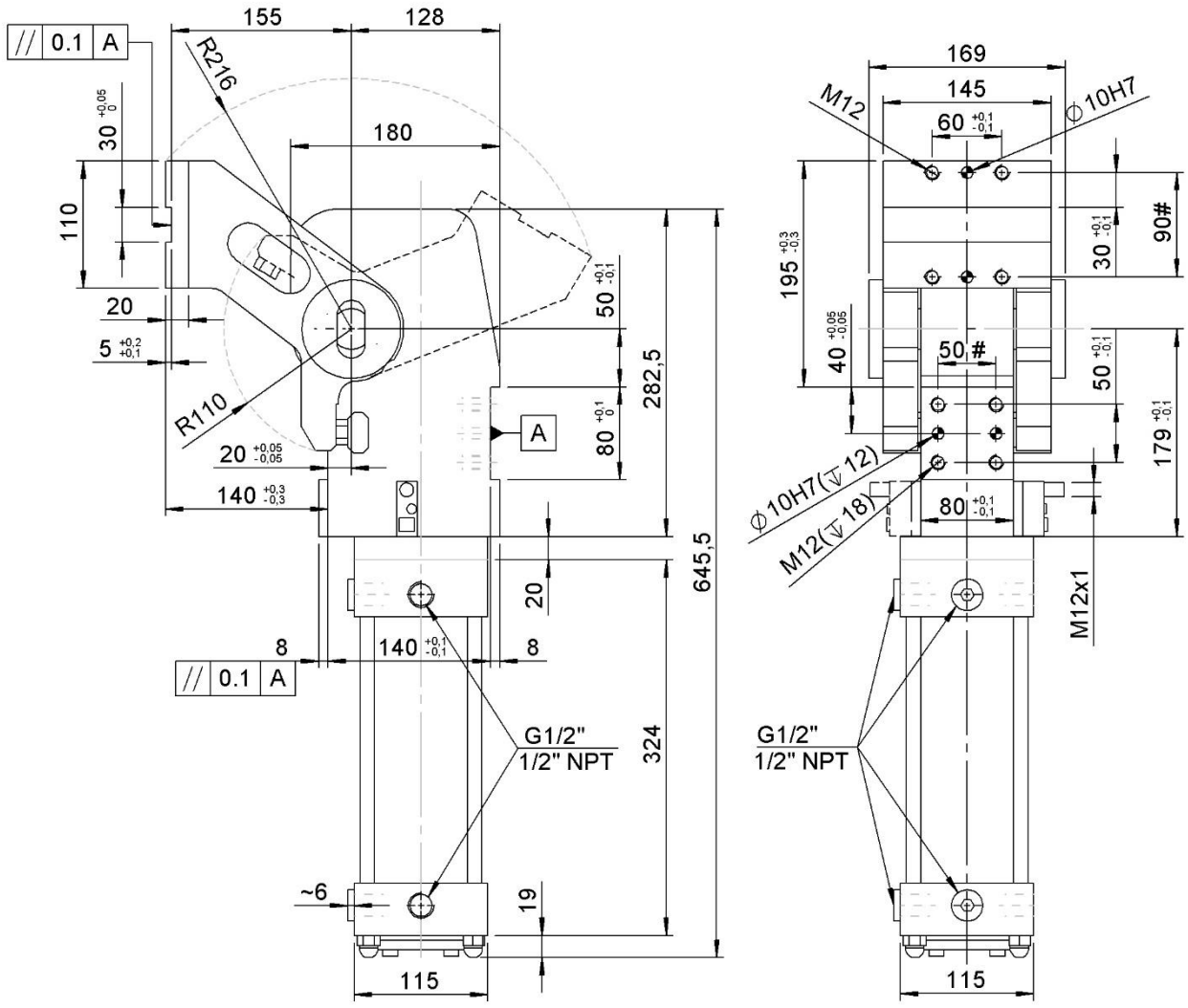
Angolo d'apertura ≤ 92°
Opening angle ≤ 92° **150 Nm**

Angolo d'apertura > 92° / ≤ 121°
Opening angle > 92° / ≤ 121° **110 Nm**

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RCM100.2-121-V/LS-PX-P-G-X

Ribaltatore, D.100, Angolo Vario, Leva verticale simmetrica std.
Swivel unit, D.100, Vario Op. Angle, Std. symmetric vertical arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM100.2-121-V/LS	100	2000	~ 27	4 – 8	29°-45°-61°-77° 92°-104°-121°	14,3

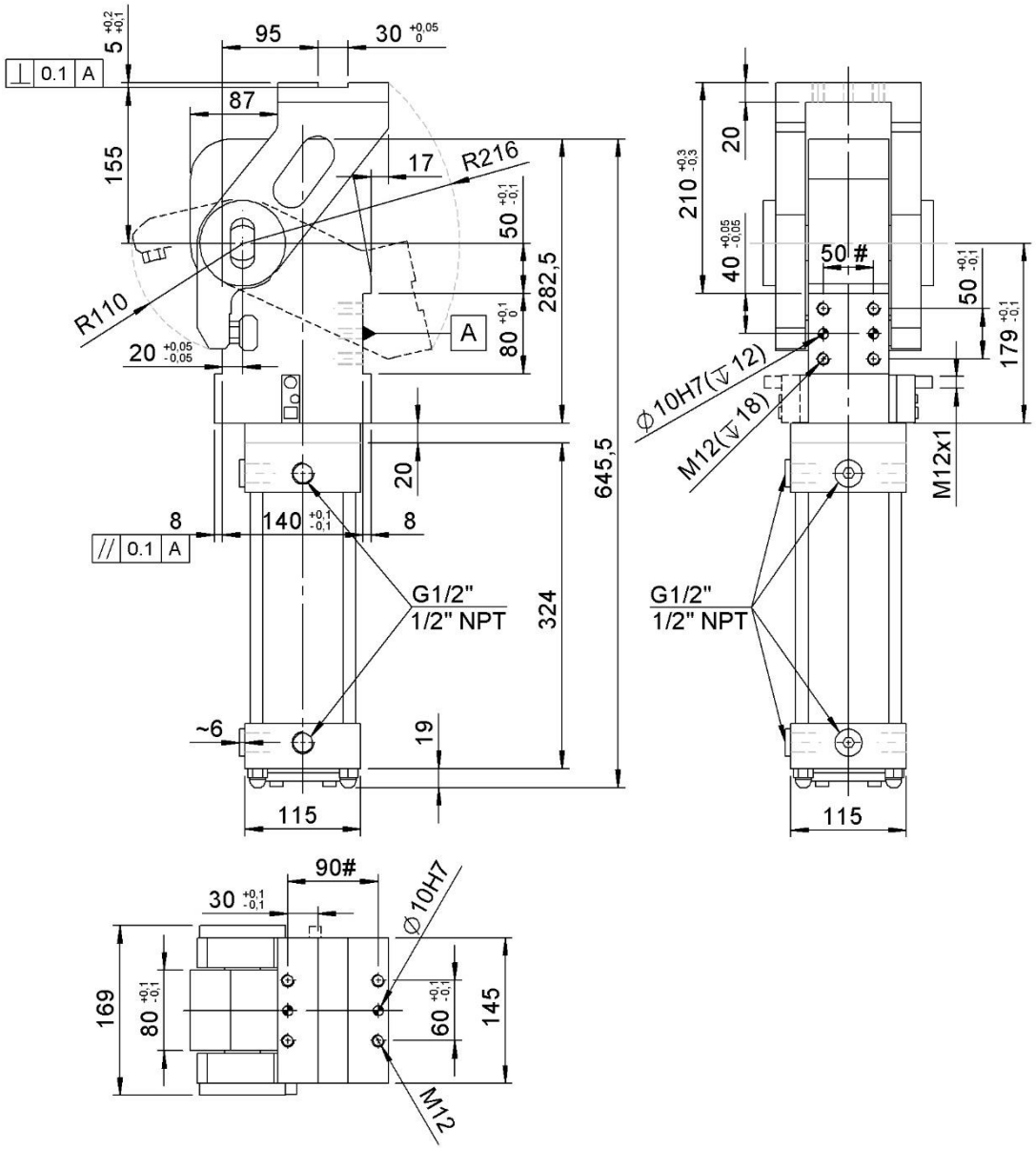
Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92°
Opening angle ≤ 92° **150 Nm**

Angolo d'apertura > 92° / ≤ 121°
Opening angle > 92° / ≤ 121° **110 Nm**

RCM100.2-77-O/LS-PX-P-G-X

Ribaltatore, D.100, Angolo Vario, Leva orizzontale simmetrica std.
Swivel unit, D.100, Vario Op. Angle, Std. symmetric horizontal arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1

#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM100.2-77-O/LS	100	2000	~ 27	4 – 8	29°-45°-61°-77°	10,3

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

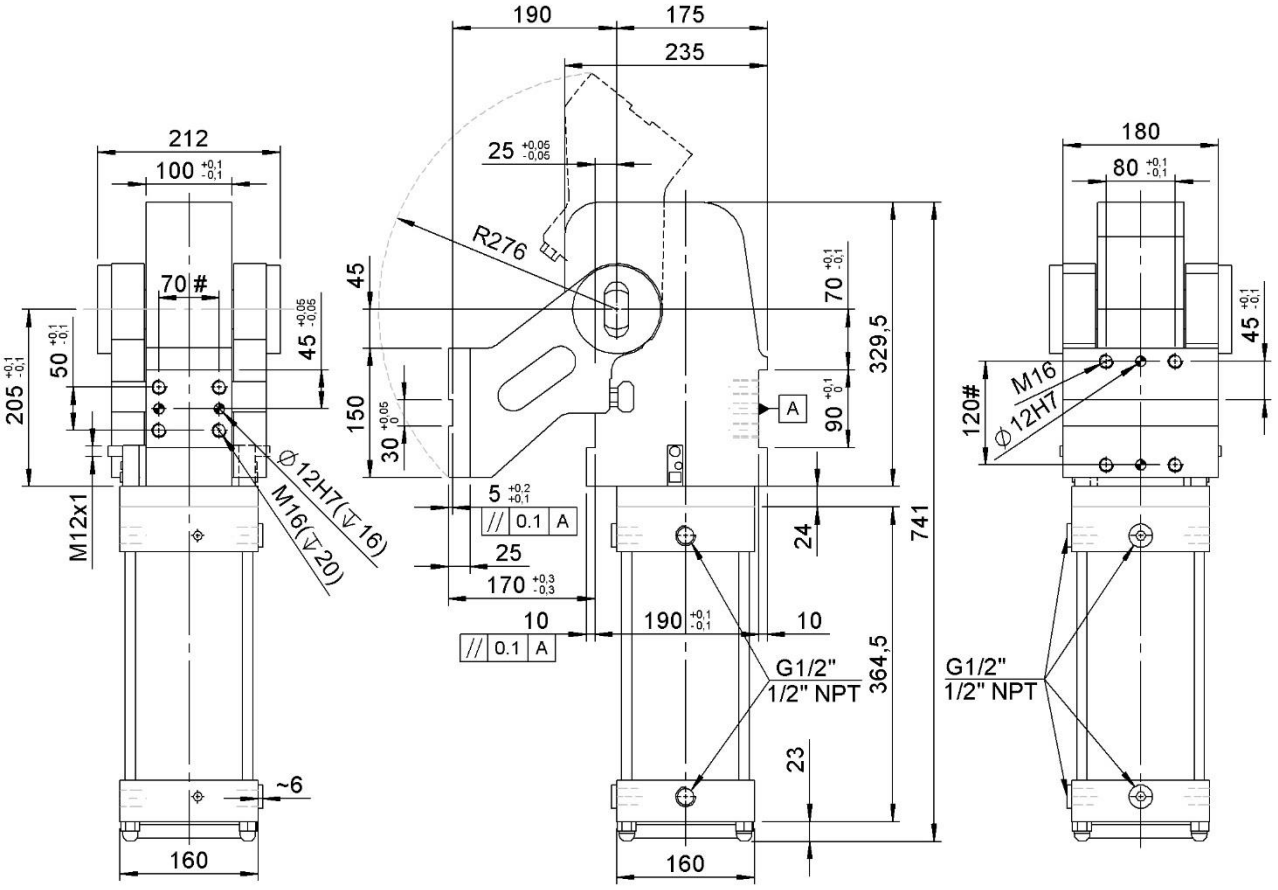
Angolo d'apertura ≤ 92°
Opening angle ≤ 92°

150 Nm

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RCM125.2-129-V-PX-P-G-X

Ribaltatore, D.125, Angolo Vario, Leva verticale std.
Swivel unit, D.125, Vario Op. Angle, Std. Vertical arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

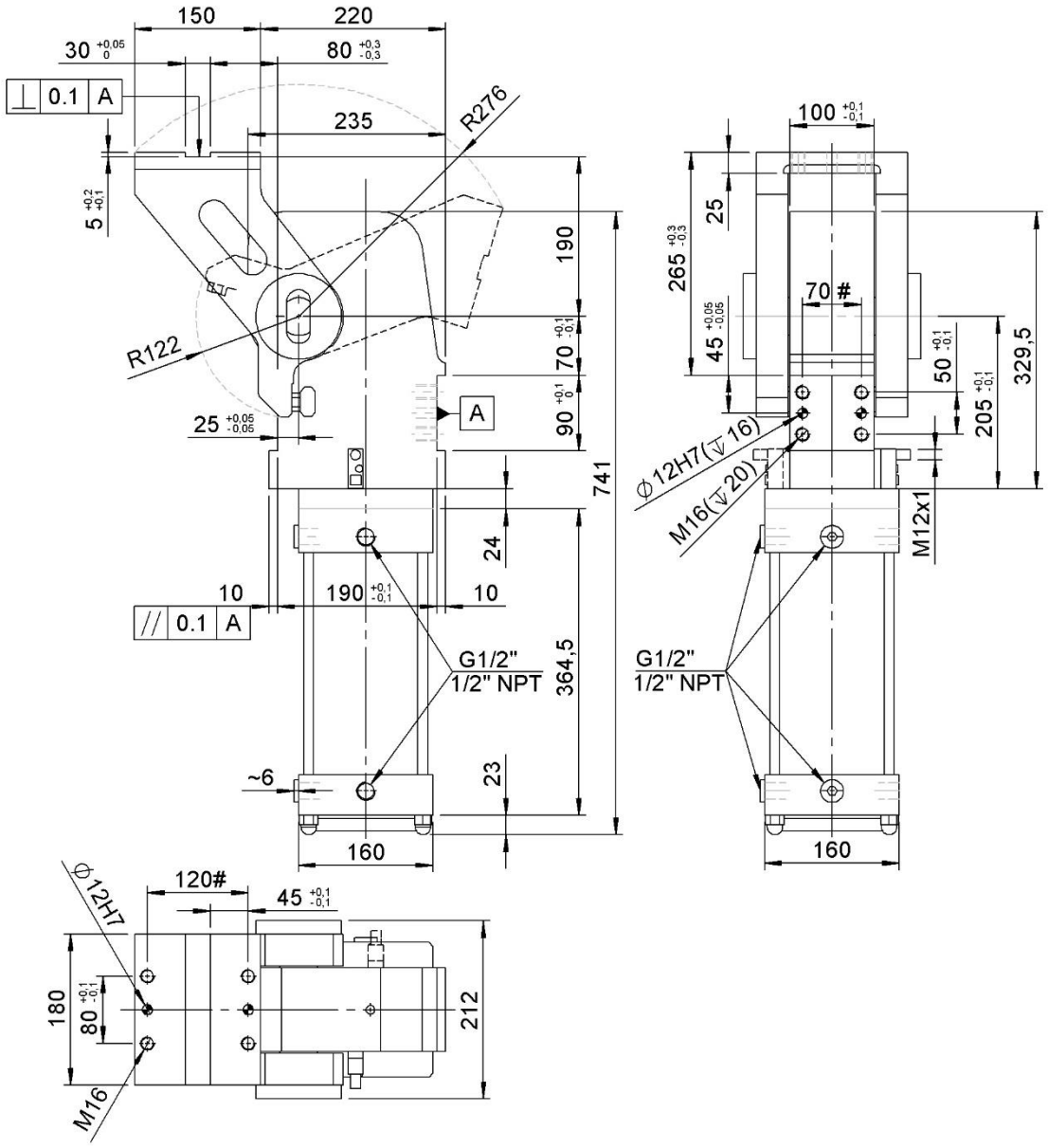
Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM125.2-129-V	125	3500	~ 61	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	24,4

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92° Opening angle ≤ 92°	**240 Nm**
Angolo d'apertura > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**180 Nm**
Angolo d'apertura > 121° Opening angle > 121°	**65 Nm**

RCM125.2-107-O-PX-P-G-X

Ribaltatore, D.125, Angolo Vario, Leva orizzontale std.
Swivel unit, D.125, Vario Op. Angle, Std. Horizontal arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM125.2-107-O	125	3500	~ 61	4 – 8	15°-30°-43°-61° 76°-91°-107°	22,4

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

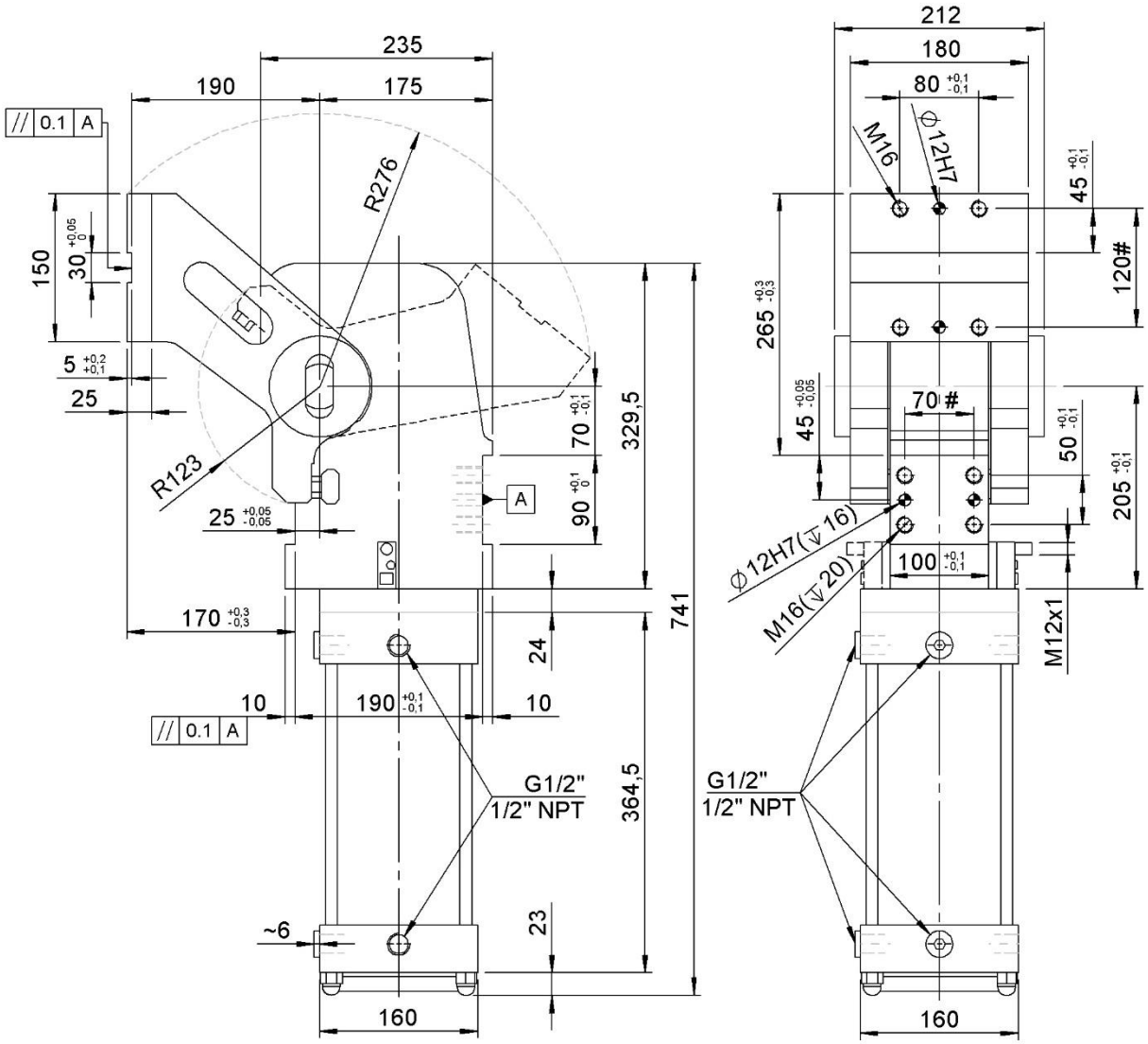
Angolo d'apertura ≤ 92°
Opening angle ≤ 92° **240 Nm**

Angolo d'apertura > 92° / ≤ 121°
Opening angle > 92° / ≤ 121° **180 Nm**

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RCM125.2-129-V/LS-PX-P-G-X

Ribaltatore, D.125, Angolo Vario, Leva verticale simmetrica std.
Swivel unit, D.125, Vario Op. Angle, Std. symmetric vertical arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

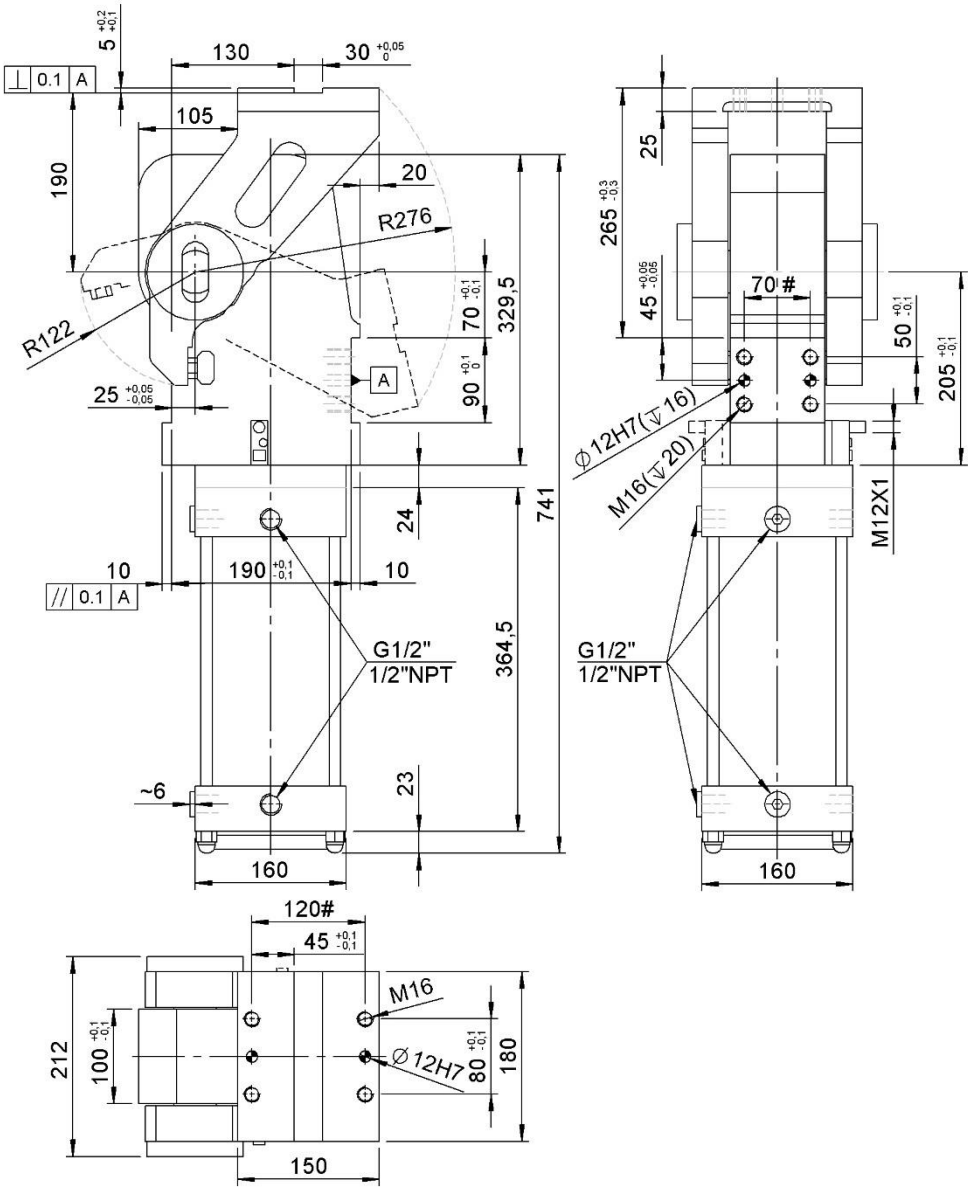
Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM125.2-129-V/LS	125	3500	~ 61	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	24,4

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92° Opening angle ≤ 92°	**240 Nm**
Angolo d'apertura > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**180 Nm**
Angolo d'apertura > 121° Opening angle > 121°	**65 Nm**

RCM125.2-76-O/LS-PX-P-G-X

Ribaltatore, D.125, Angolo Vario, Leva orizzontale simmetrica std.
Swivel unit, D.125, Vario Op. Angle, Std. symmetric horizontal arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM125.2-76-O/LS	125	3500	~ 61	4 – 8	15°-30°-43° 61°-76°	18,0

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

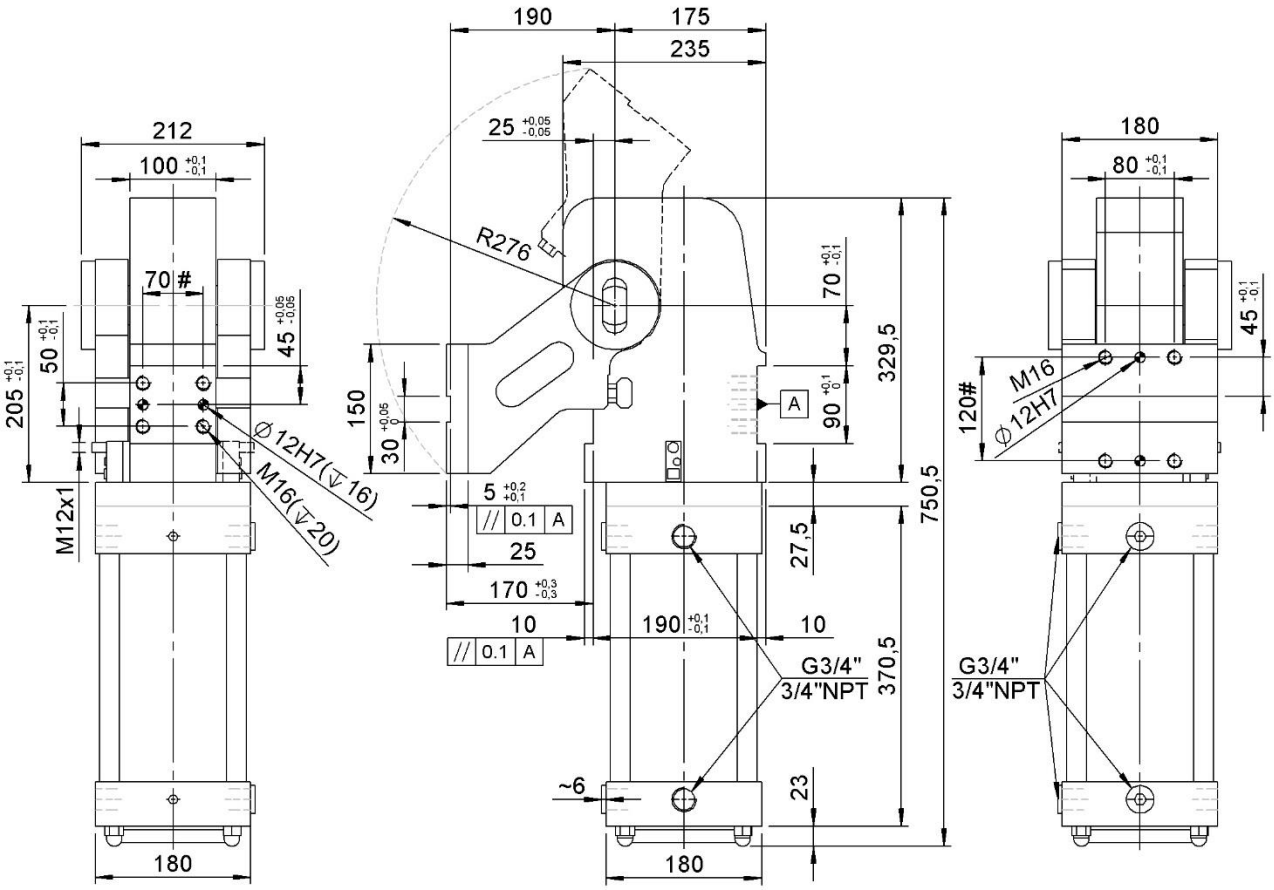
Angolo d'apertura ≤ 92°
Opening angle ≤ 92°

240 Nm

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RCM160.2-129-V-PX-P-G-X

Ribaltatore, D.160, Angolo Vario, Leva verticale std.
Swivel unit, D.160, Vario Op. Angle, Std. vertical arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

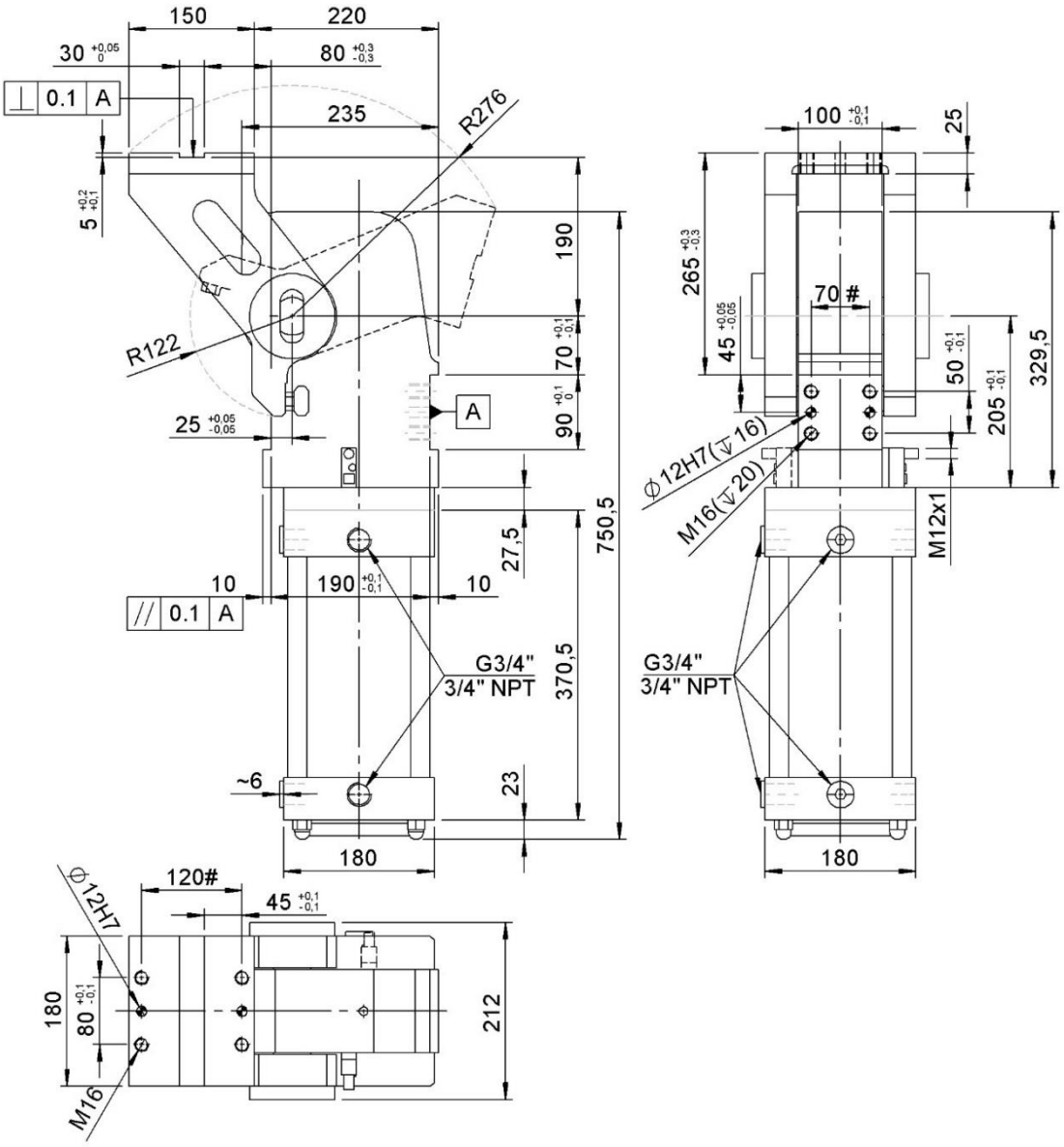
Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM160.2-129-V	160	3500	~ 74	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	42,2

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92° Opening angle ≤ 92°	**410 Nm**
Angolo d'apertura > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**300 Nm**
Angolo d'apertura > 121° Opening angle > 121°	**100 Nm**

RCM160.2-107-O-PX-P-G-X

Ribaltatore, D.160, Angolo Vario, Leva orizzontale std.
Swivel unit, D.160, Vario Op. Angle, Std. horizontal arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM160.2-107-O	160	3500	~ 74	4 – 8	15°-30°-43°-61° 76°-91°-107°	38,5

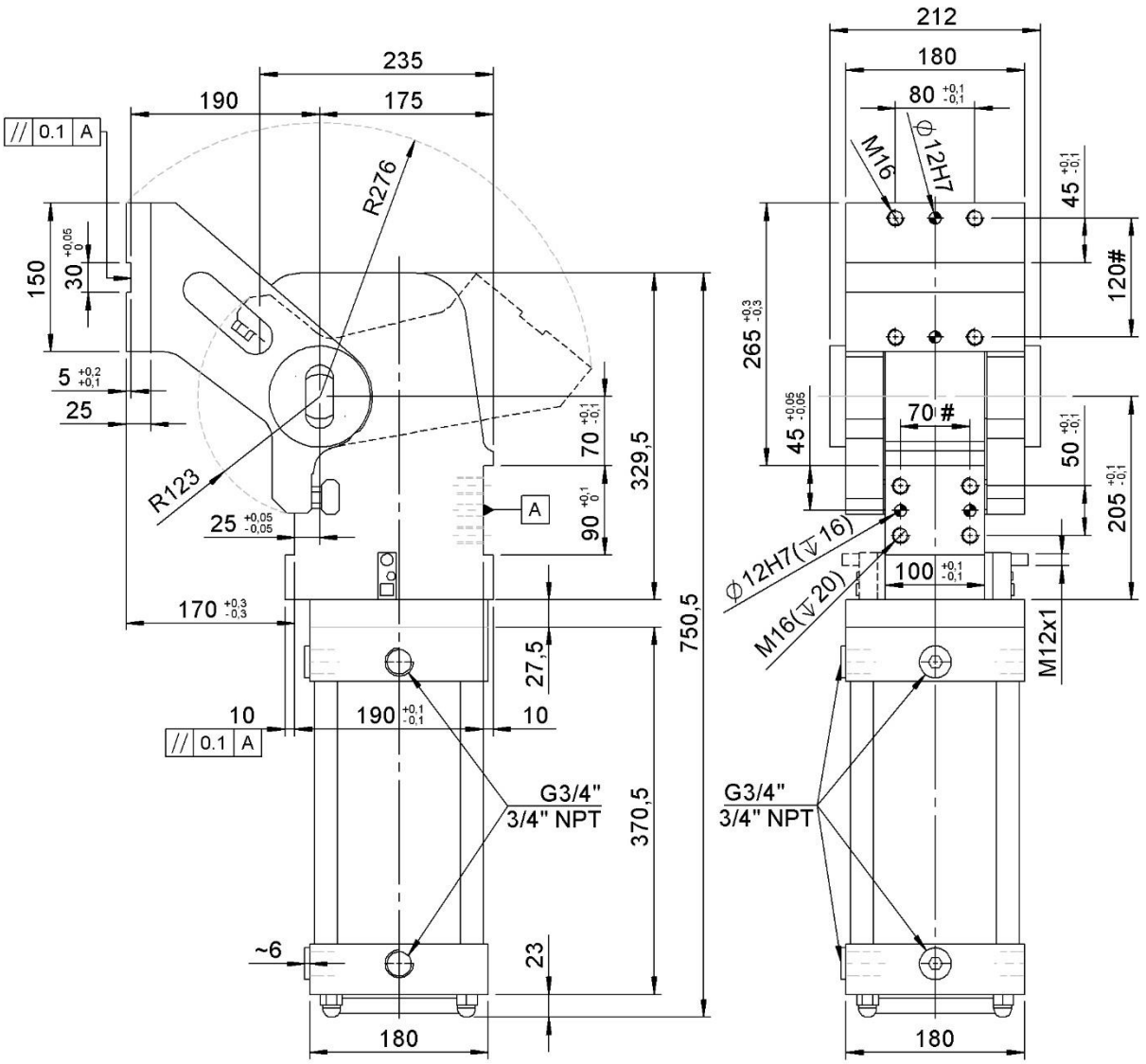
Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92°
Opening angle ≤ 92° **410 Nm**

Angolo d'apertura > 92° / ≤ 121°
Opening angle > 92° / ≤ 121° **300 Nm**

RCM160.2-129-V/LS-PX-P-G-X

Ribaltatore, D.160, Angolo Vario, Leva verticale simmetrica std.
Swivel unit, D.160, Vario Op. Angle, Std. symmetric vertical arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

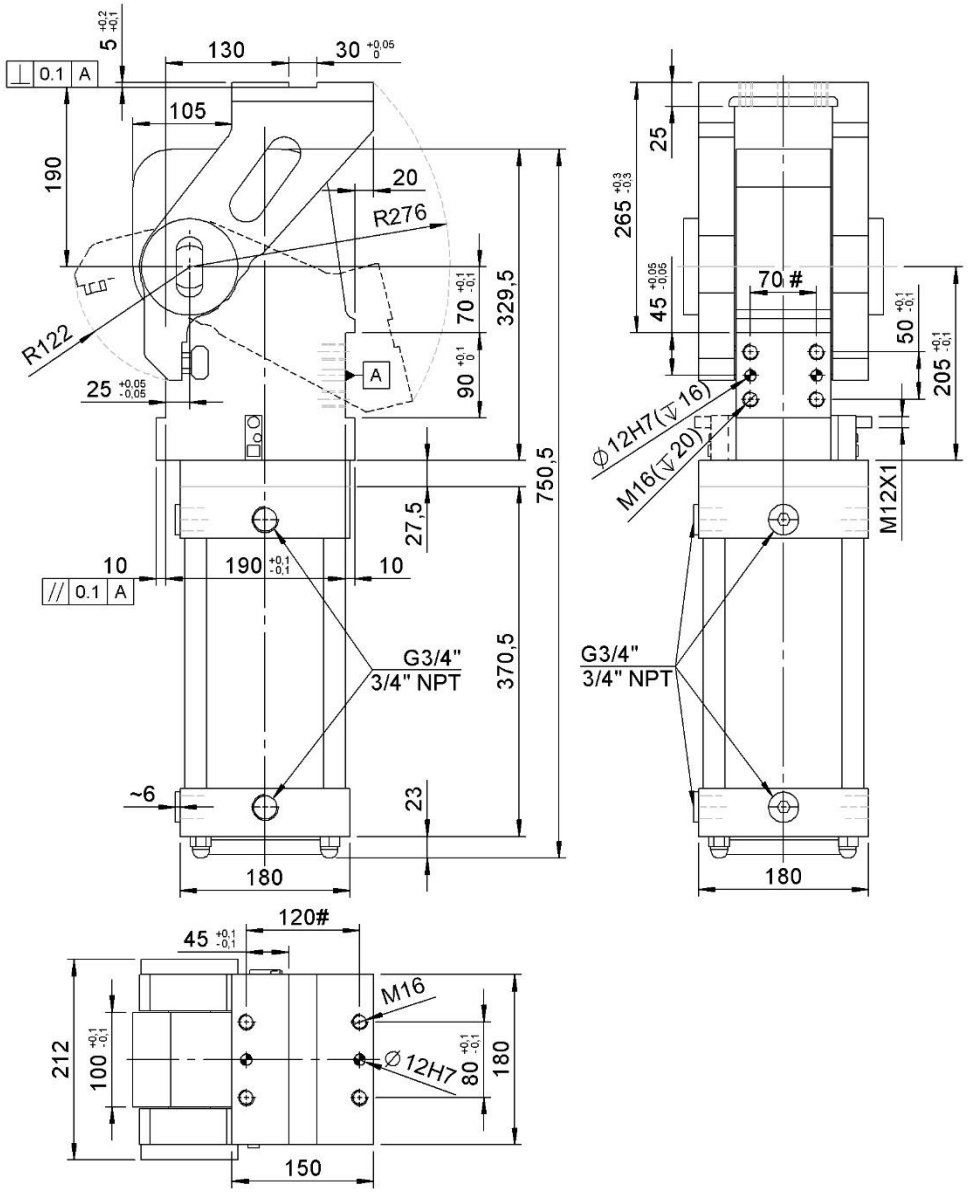
Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM160.2-129-V/LS	160	3500	~ 74	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	42,2

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92° Opening angle ≤ 92°	**410 Nm**
Angolo d'apertura > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**300 Nm**
Angolo d'apertura > 121° Opening angle > 121°	**100 Nm**

RCM160.2-76-O/LS-PX-P-G-X

Ribaltatore, D.160, Angolo Vario, Leva orizzontale simmetrica std.
Swivel unit, D.160, Vario Op. Angle, Std. symmetric horizontal arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM160.2-76-O/LS	160	3500	~ 74	4 – 8	15°-30°-43° 61°-76°	31,0

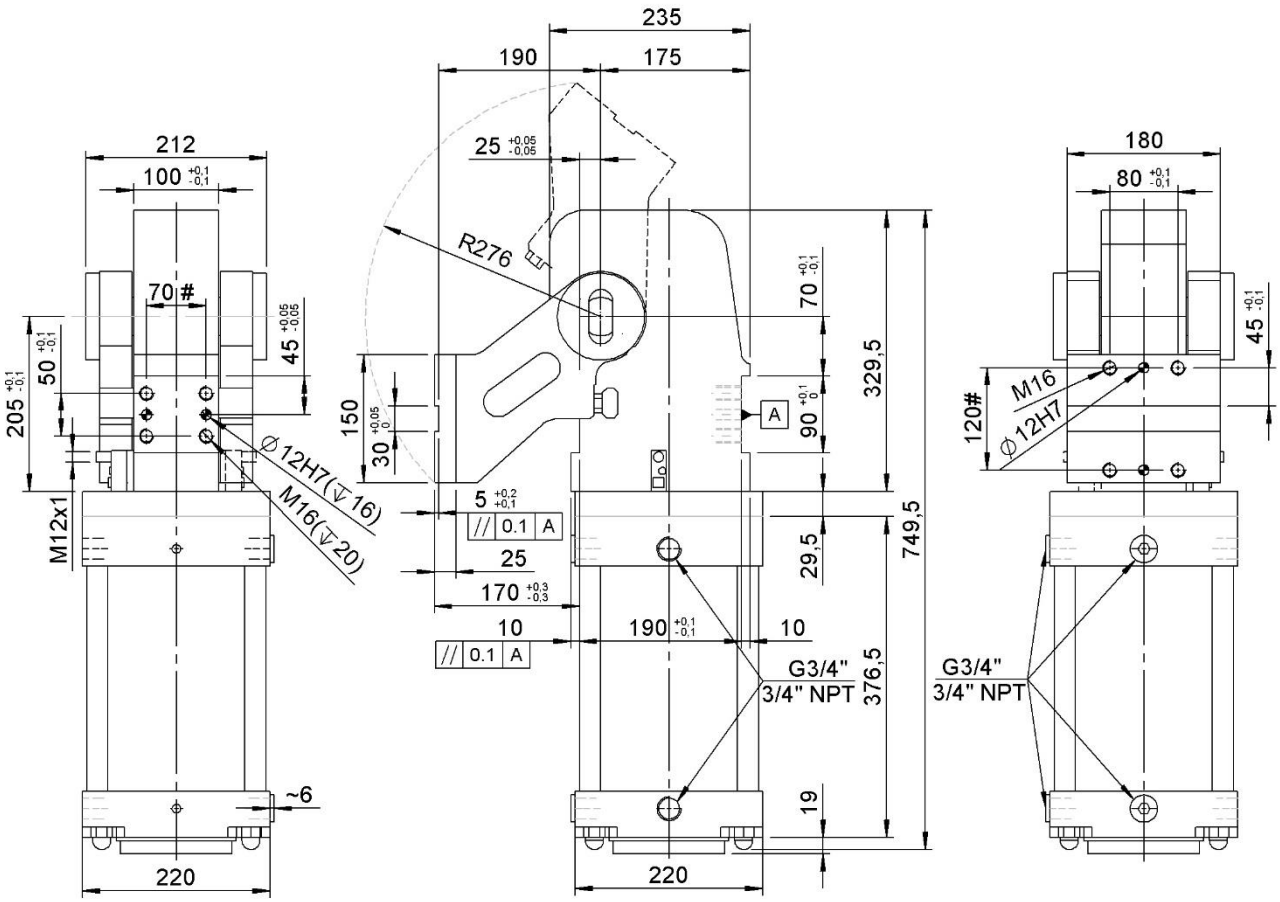
Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92°
Opening angle ≤ 92°

410 Nm

RCM200.2-129-V-PX-P-G-X

Ribaltatore, D.200, Angolo Vario, Leva verticale std.
Swivel unit, D.200, Vario Op. Angle, Std. vertical arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

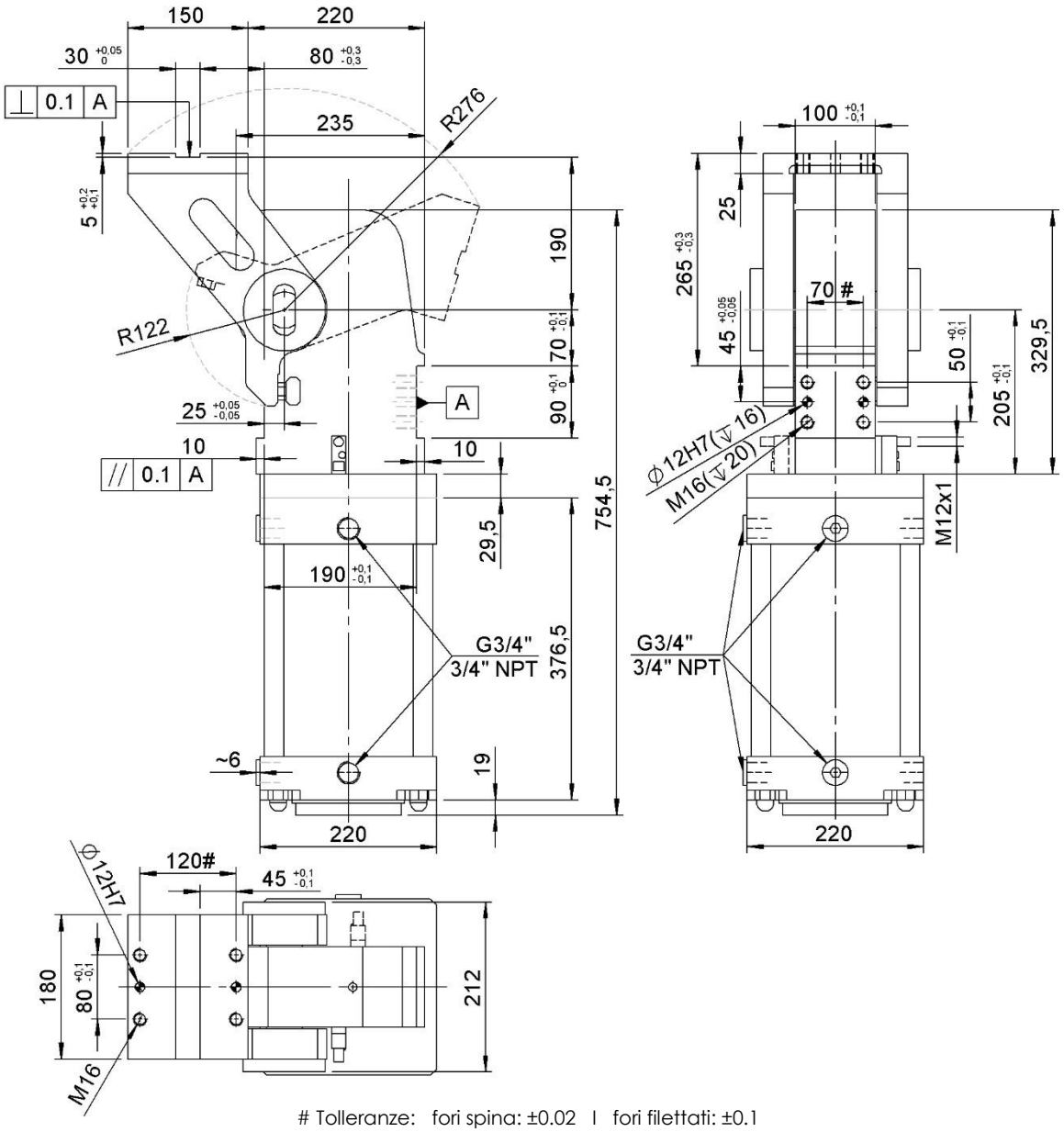
Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM200.2-129-V	200	3500	~ 81	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	65,1

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92° Opening angle ≤ 92°	**660 Nm**
Angolo d'apertura > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**480 Nm**
Angolo d'apertura > 121° Opening angle > 121°	**175 Nm**

RCM200.2-107-O-PX-P-G-X

Ribaltatore, D.200, Angolo Vario, Leva orizzontale std.
Swivel unit, D.200, Vario Op. Angle, Std. horizontal arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM200.2-107-O	200	3500	~ 81	4 – 8	15°-30°-43°-61° 76°-91°-107°	59,2

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

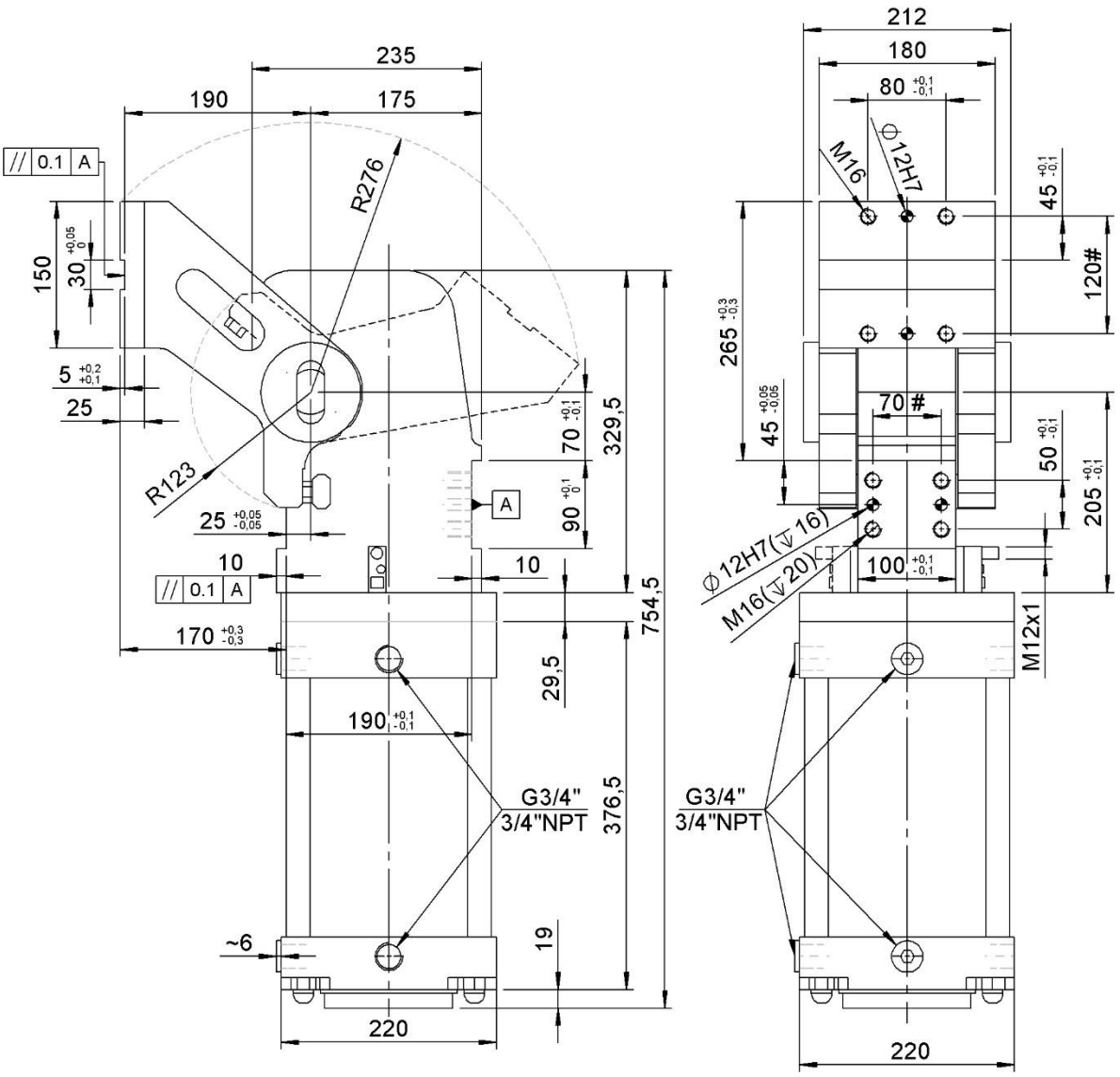
Angolo d'apertura ≤ 92° — **660 Nm**
Opening angle ≤ 92°

Angolo d'apertura > 92° / ≤ 121° — **480 Nm**
Opening angle > 92° / ≤ 121°

VEP AUTOMATION
Clamping technologies made in Italy since 1966

RCM200.2-129-V/LS-PX-P-G-X

Ribaltatore, D.200, Angolo Vario, Leva verticale simmetrica std.
Swivel unit, D.200, Vario Op. Angle, Std. symmetric vertical arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

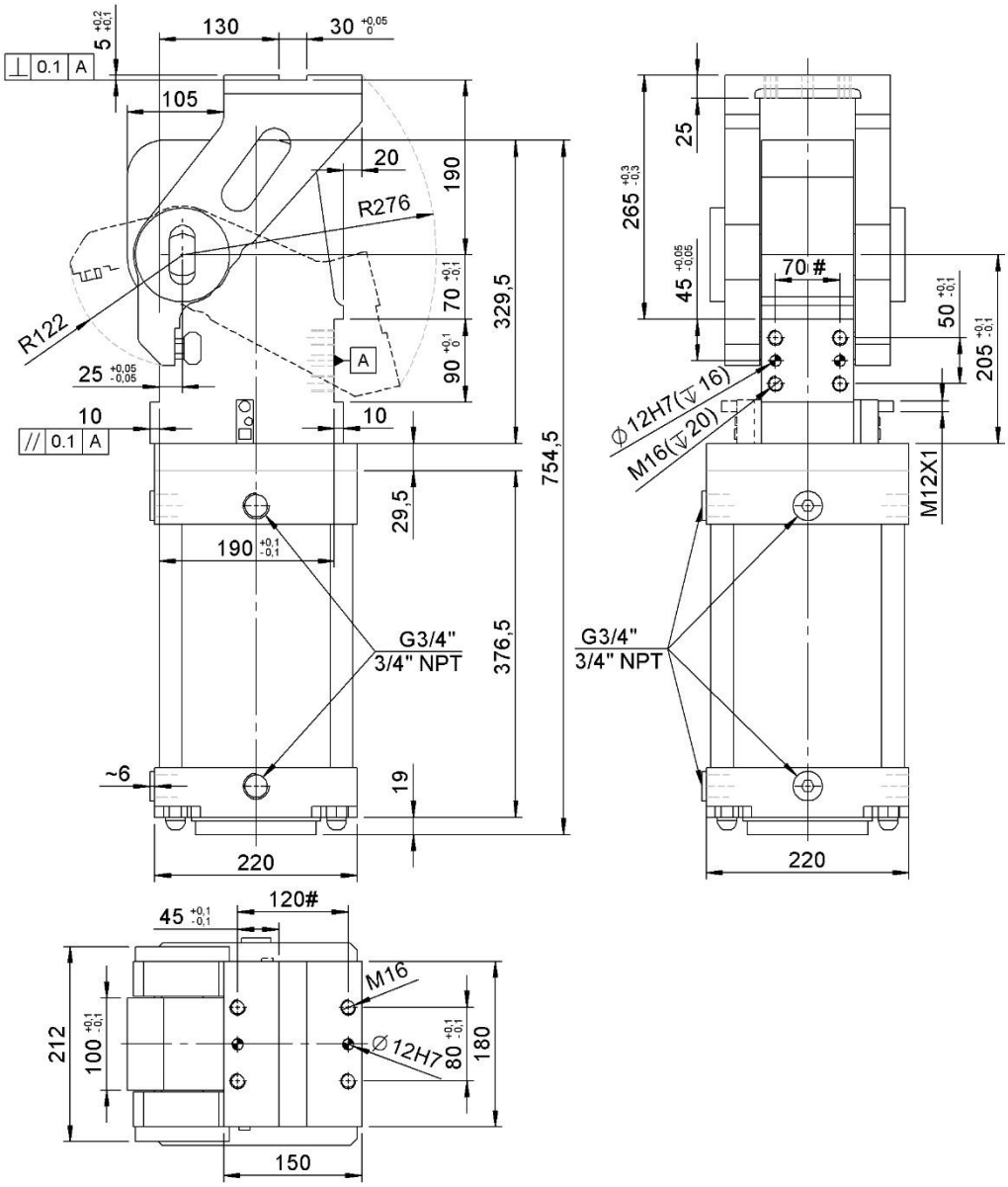
Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM200.2-129-V/LS	200	3500	~ 81	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	65,1

Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92° Opening angle ≤ 92°	**660 Nm**
Angolo d'apertura > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**480 Nm**
Angolo d'apertura > 121° Opening angle > 121°	**175 Nm**

RCM200.2-76-O/LS-PX-P-G-X

Ribaltatore, D.200, Angolo Vario, Leva orizzontale simmetrica std.
Swivel unit, D.200, Vario Op. Angle, Std. symmetric horizontal arm



Tolleranze: fori spina: ±0.02 I fori filettati: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

Modello Type	Alesaggio cilindro Cylinder bore	Momento di ritegno Holding moment	Peso Weight	Pressione d'esercizio Working pressure	Angolo apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM200.2-76-O/LS	200	3500	~ 81	4 – 8	15°-30°-43° 61°-76°	31,0

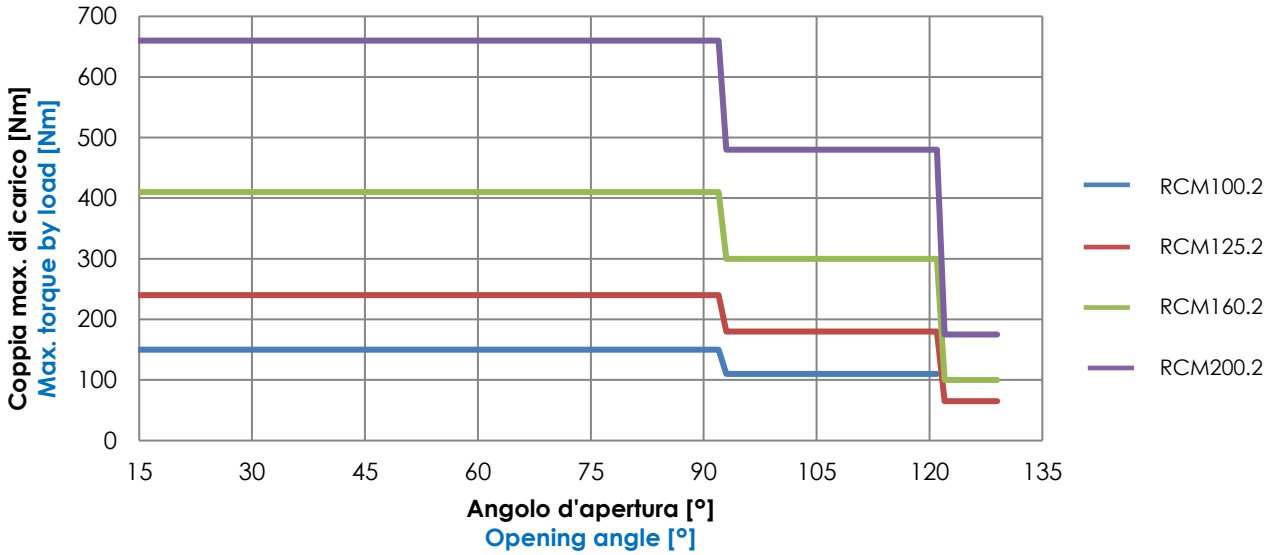
Coppia di carico max. (5 bar)
Max. torque by load (5 bar)

Angolo d'apertura ≤ 92°
Opening angle ≤ 92°

660 Nm

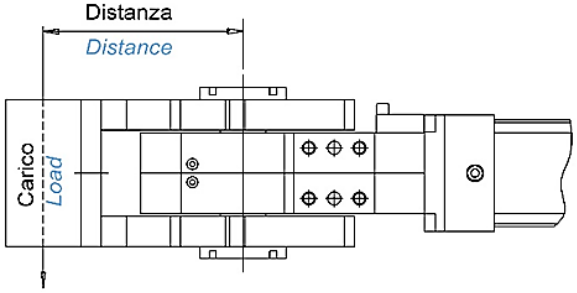
Diagrammi.
Diagrams.

Diagrammi di carico max. (5 bar)
Diagrams of max. load (5 bar)



Modello Type	Coppia di carico max. [Nm] Max. torque by load [Nm]								
	Angolo d'apertura ≤ 92° Opening angle ≤ 92°			Angolo d'apertura > 92° / ≤ 121° Opening angle > 92° / ≤ 121°			Angolo d'apertura > 121° Opening angle > 121°		
	4 bar	5 bar	6 bar	4 bar	5 bar	6 bar	4 bar	5 bar	6 bar
RCM100.2	120	150	190	90	110	130	45	55	65
RCM125.2	180	240	290	140	180	210	55	65	80
RCM160.2	320	410	500	260	300	360	85	100	125
RCM200.2	510	660	800	380	480	570	130	175	210

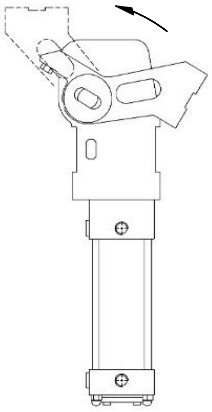
Carico max. applicabile con ribaltatore posizionato sul fianco (6 bar)
Max. applicable load with swivel unit positioned on its side (6 bar)



Ribaltatore posizionato sul fianco
Swivel unit positioned on its side

	Coppia max. di carico (Nm) Max. torque by load (Nm)
	6 bar
RFM100.2	80
RFM125.2 RFM160.2 RFM200.2	200

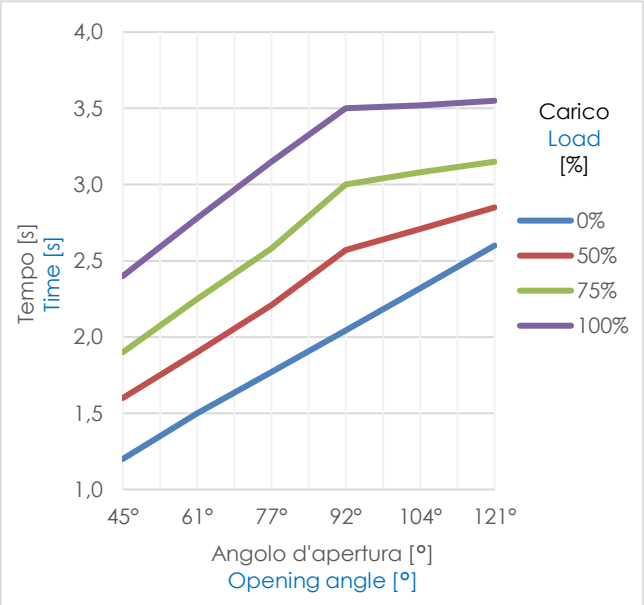
Diagrammi di tempo.
Time diagrams.



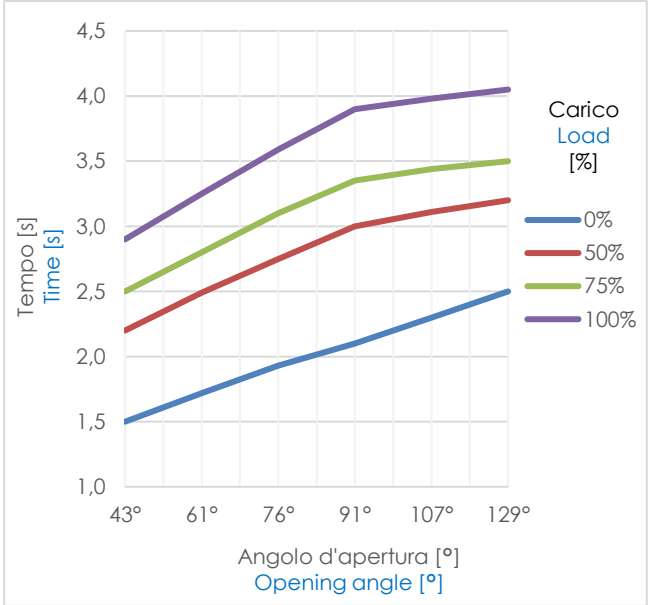
Fase di chiusura
Closing phase

Pressione d'esercizio: 5 bar
Tipologia braccio leva: O (vedi immagine)
Posizione ribaltatore: verticale (vedi immagine)
Working pressure: 5 bar
Arm type: O (see image)
Swivel unit position: vertical (see image)

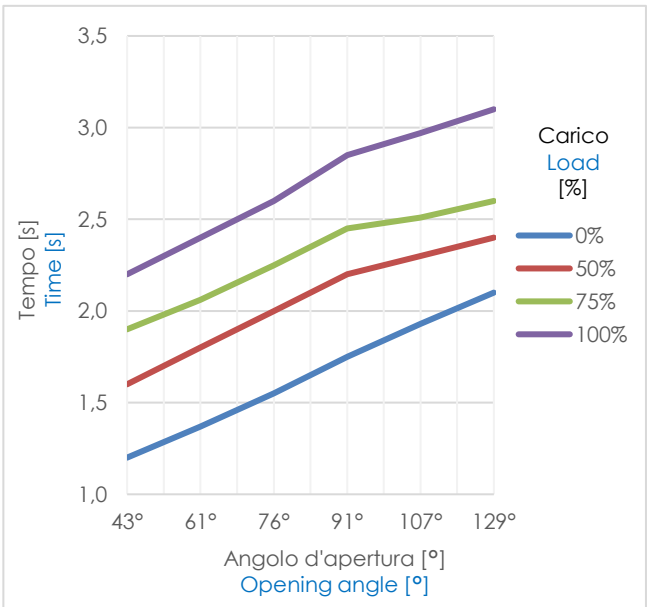
RCM100.2



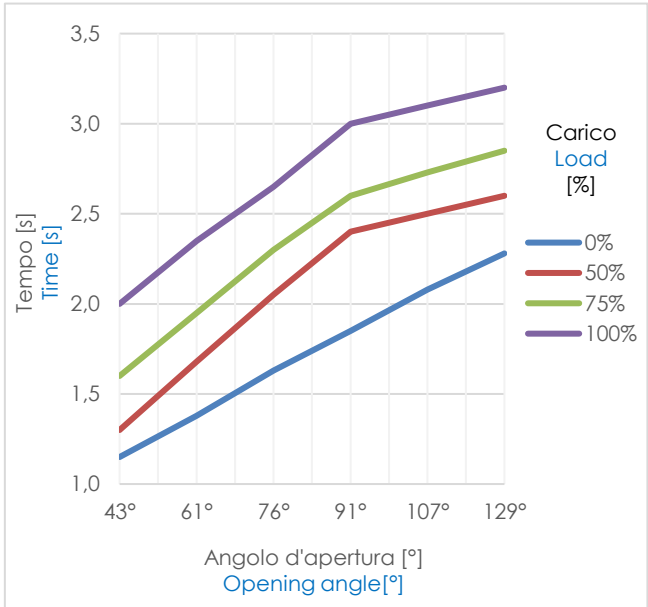
RCM125.2



RCM160.2

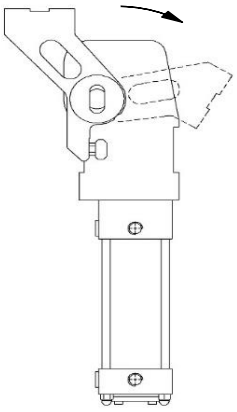


RCM200.2

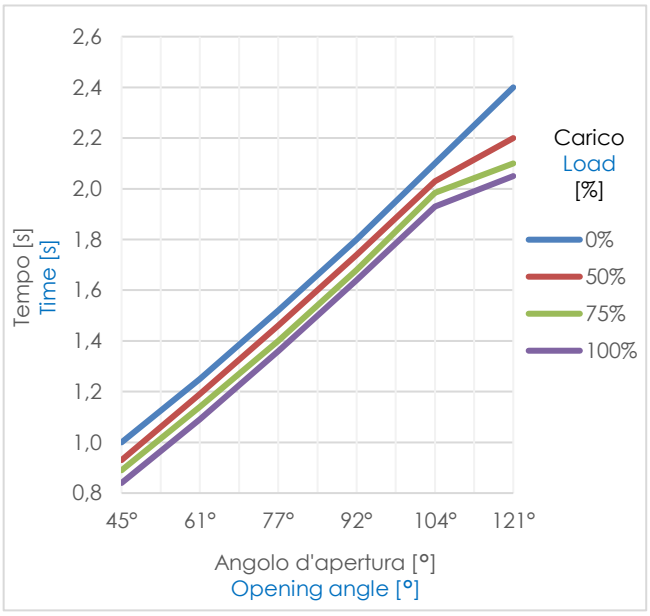


Fase di apertura
Opening phase

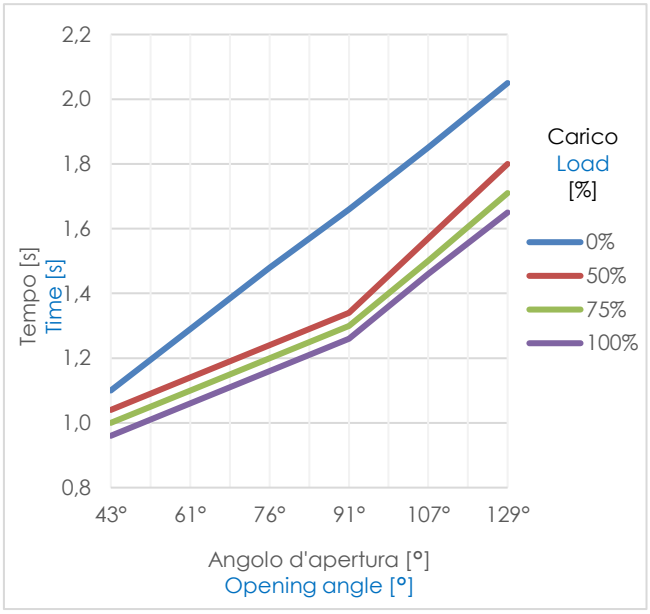
Pressione d'esercizio: 5 bar
Tipologia braccio leva: O (vedi immagine)
Posizione ribaltatore: verticale (vedi immagine)
Working pressure: 5 bar
Arm type: O (see image)
Swivel unit position: vertical (see image)



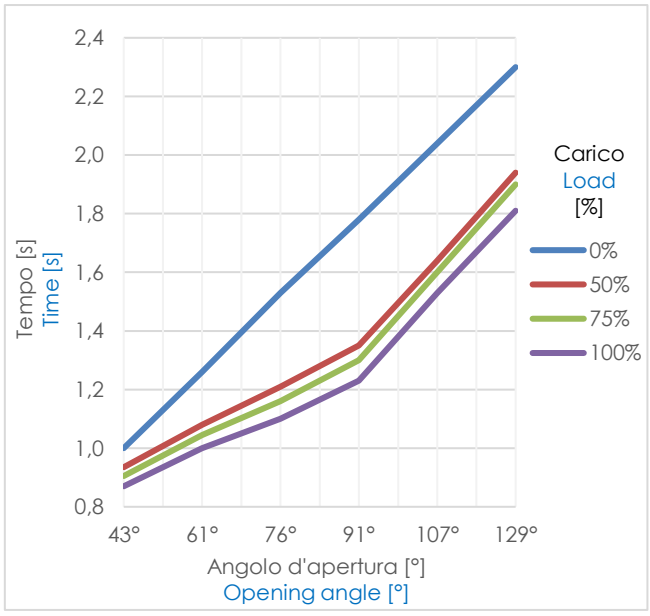
RCM100.2



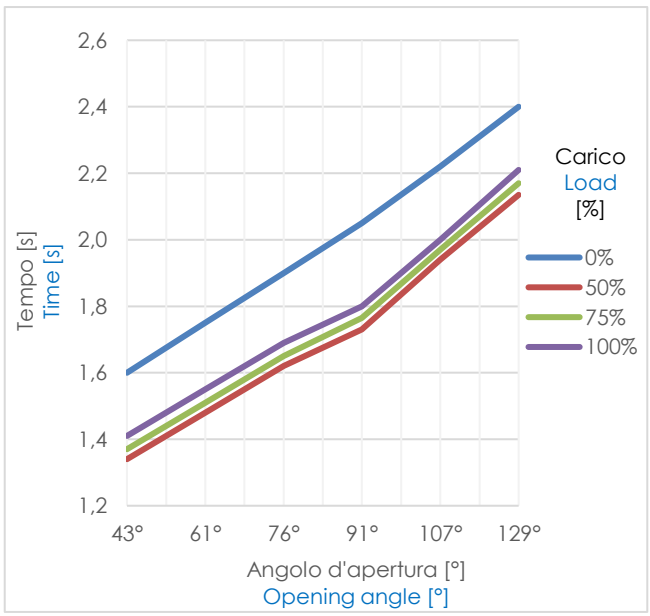
RCM125.2

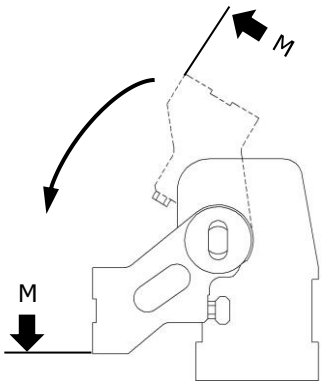


RCM160.2



RCM200.2





Per evitare velocità angolari troppo elevate bisogna rispettare i tempi minimi intercorsi tra il segnale elettrico d'apertura e quello di chiusura riportati in tabella.
To avoid elevated angular speed it's necessary to respect the min. times among the electric signal of opening and that of closing brought in tab.

Modello Type	Least time (s) between electric opening signal and closing one. (6 bar)				
	45°	76°	91°	121°	129°
RCM100.2	0.6	0.9	1.0	1.2	1.5
RCM125.2	0.8	1.1	1.2	1.4	1.7
RCM160.2	0.9	1.2	1.3	1.5	1.8
RCM200.2	1.4	1.7	1.8	2.1	2.5

Se non vengono rispettati i valori riportati in tabella, il dispositivo può danneggiarsi
If don't respect the value report in tab, the device may break

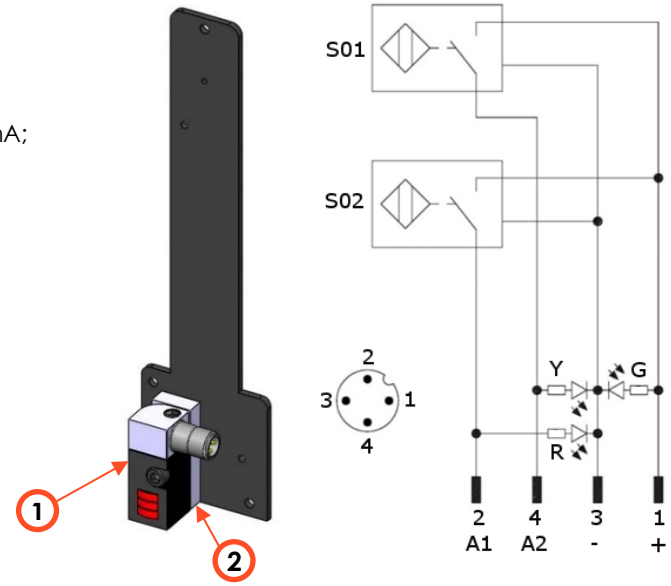
Schema per sensore induttivo.
Diagram for inductive sensor.

Caratteristiche tecniche (P+F):

- Tipo di uscita: PNP;
- Tensione d'alimentazione: 10-30 VDC;
- Corrente max. di commutazione: 200 mA;
- Consumo di corrente: < 20mA;
- Calo di tensione: <2 V;
- Campo di temperatura: -25° / 70° C.

Technical data (P+F):

- Output type: PNP;
- Feeding voltage: 10-30 VDC;
- Max. commutating current: 200 mA;
- Power supply: < 20 mA;
- Voltage drop: < 2 V;
- Temperature range: -25° / 70° C.



S01 = segnale d'apertura
S01 = opening signal
S02 = segnale di chiusura
S02 = closing signal

Y = LED giallo / yellow LED
G = LED verde / green LED
R = LED rosso / red LED

1 = filo marrone / brown wire
2 = filo nero / black wire
3 = filo blu / blue wire
4 = filo bianco /white wire

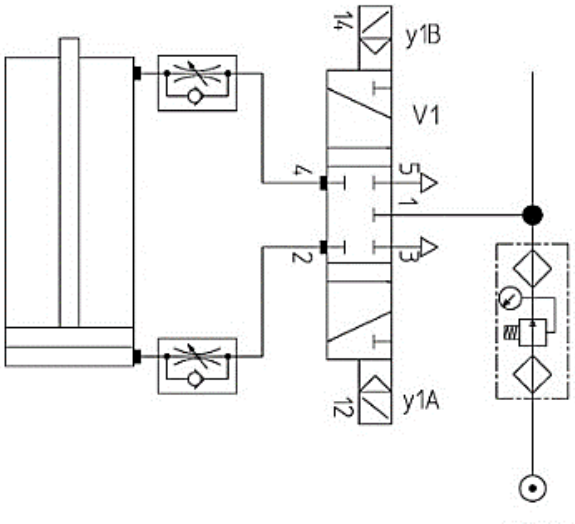
RCM100.2

Tipologia sensore induttivo Inductive sensor type	**Blocchetto amplificatore** Power amplifier **1**	**Satelliti** Sensor's satellite **2**	**Gruppo sensore induttivo** Complete inductive sensor
Sensore Pepperl + Fuchs con LED rosso Pepperl+Fuchs sensor with red LED	3/413	3/417	RFMSI – 1.2/A

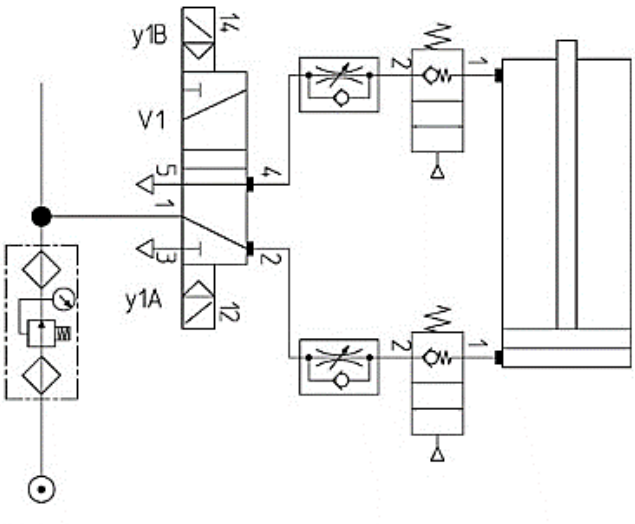
RCM125.2 RCM160.2 RCM200.2

Tipologia sensore induttivo Inductive sensor type	**Blocchetto amplificatore** Power amplifier **1**	**Satelliti** Sensor's satellite **2**	**Gruppo sensore induttivo** Complete inductive sensor	
Sensore Pepperl + Fuchs con LED rosso Pepperl+Fuchs sensor with red LED	3/413	3/417	RFM125.2	RFMSI – 125.2/A
			RFM160.2	RFMSI – 160.2/A
			RFM200.2	RFMSI – 200.2/A

Schema pneumatico.
Pneumatic plan.



Valvola di comando 5/3
Control valve 5/3



Valvola di comando 5/2
Control valve 5/2

Pressione d'esercizio Working pressure
[bar]
4 – 8

Consumo d'aria
Air consumption

	Angolo di apertura Opening angle	Consumo d'aria (5 bar) Air consumption (5 bar)	Consumo d'aria (5 bar) Air consumption (6 bar)
	[°]	[l]	[l]
RCM100.2	29°	5.9	6.9
	77°	10.3	12.1
	121°	14.3	16.7
RCM125.2	15°	7.9	9.2
	76°	18.0	21.0
	107°	22.4	26.2
	129°	24.7	28.8
RCM160.2	15°	14.2	16.6
	76°	31.0	36.2
	107°	38.5	44.9
	129°	42.2	49.3
RCM200.2	15°	20.8	24.3
	76°	47.4	55.3
	107°	59.2	69.1
	129°	65.1	76.0

Angoli addizionali su ribaltatore speciale RC.2 (angolo d'apertura non regolabile)

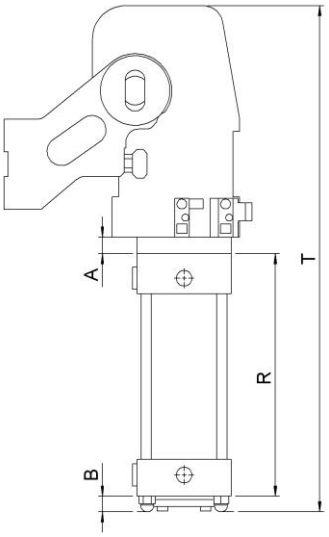
RC.2 unit additional opening angles (Fix-Not Adjustable)

Nel caso in cui gli angoli disponibili dell'unità RCM.2 non siano conformi all'applicazione del cliente, su richiesta, possiamo fornire l'unità RC.2 che consente di avere un numero maggiore di angoli di apertura disponibili.
In allegato l'elenco completo degli angoli di apertura RC.2.
Nota: L'angolo d'apertura del ribaltatore tipo RC.2 è regolabile solo mediante la sostituzione dell'estruso del cilindro pneumatico.

In case of the available angles of the RCM.2 units are not in according to the application designed by the customer, on request, we can supply the RC.2 unit which allows to have a larger number of available opening angles. Herewith below the complete list of the RF opening angles.
Note: The RC.2 unit doesn't have the opening angle easily adjustable. The cylinder length of the RC.2 unit is in according to the opening angle.

	RC100.2					
	V	V/LS	O	O/LS	R [mm]	T [mm]
15°	•	•	•	•	214,5	536
30°	•	•	•	•	232,5	554
45°	•	•	•	•	247,5	569
60°	•	•	•	•	262	583,5
75°	•	•	•	•	277,5	599
80°	•	•	•	•	282,5	604
90°	•	•	•	•	292,5	614
105°	•	•	•		308,5	630
120°	•	•	•		322	643,5
135°	•	•			332,5	654

	RC125.2					
	V	V/LS	O	O/LS	R [mm]	T [mm]
15°	•	•	•	•	243,5	620,5
30°	•	•	•	•	264,5	641,5
45°	•	•	•	•	282,5	659
60°	•	•	•	•	299	675,5
75°	•	•	•	•	315,5	692
80°	•	•	•	•	321	697,5
90°	•	•	•		331,5	708
105°	•	•	•		346,5	723
120°	•	•	•		359	735,5
135°	•	•			367	743,5



	RC160.2					
	V	V/LS	O	O/LS	R [mm]	T [mm]
15°	•	•	•	•	250	630
30°	•	•	•	•	271	651
45°	•	•	•	•	288,5	668,5
60°	•	•	•	•	305	685
75°	•	•	•	•	321,5	701,5
80°	•	•	•	•	327	707
90°	•	•	•		337,5	717,5
105°	•	•	•		352,5	732,5
120°	•	•	•		365	745
135°	•	•			373	753

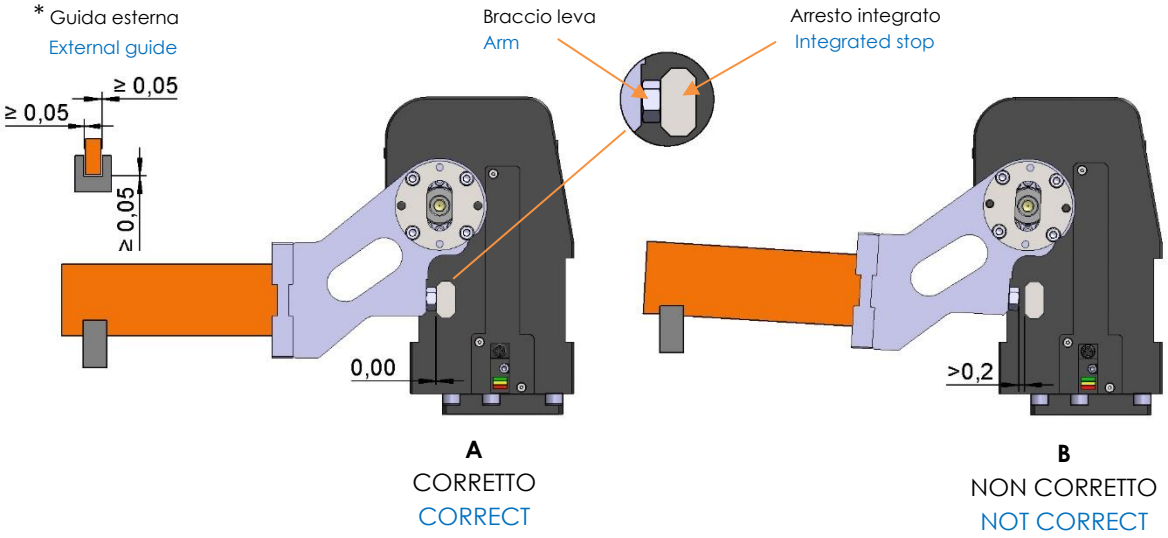
	RC200.2					
	V	V/LS	O	O/LS	R [mm]	T [mm]
15°	•	•	•	•	255,5	634
30°	•	•	•	•	276,5	655
45°	•	•	•	•	294	672,5
60°	•	•	•	•	310,5	689
75°	•	•	•	•	327	705,5
80°	•	•	•	•	332,5	711
90°	•	•	•		343	721,5
105°	•	•	•		358	736,5
120°	•	•	•		370,5	749
135°	•	•			379	758

	A [mm]	B [mm]
RC100.2	20	19
RC125.2	24	23
RC160.2	27,5	23
RC200.2	29,5	19

Deceleratori, arresti e guide esterne.
Shock absolver, external stop guide.

Assicurarsi che il ribaltatore effettui la sua corsa completa fino al raggiungimento della posizione di chiusura (0°). Qualsiasi interferenza con corpi esterni può causare gravi danni al dispositivo ed all'attrezzatura su esso montato.
Make sure that the swivel unit makes the complete stroke until the closing position is reached (0 °). Any interference with external bodies can cause serious damage to the device and to the equipment mounted on it.

É sconsigliato l'utilizzo di arresti esterni e deceleratori poiché possono avere effetti negativi sulla vita dell'unità.
The use of external stops and shock absorbers is not recommended as they can have negative effects on the life of the unit.



CORRETTO UTILIZZO (immagine A):
CORRECT USE (picture A):
Utilizzo dell'arresto integrato del ribaltatore. Distanza tra il braccio leva e l'arresto integrato = 0.
Integrated stop is used. The distance between the arm and the integrated stop = 0.

UTILIZZO ERRATO (immagine B):
WRONG USE (picture B):
Utilizzo di arresti esterni che non permettono il raggiungimento della posizione 0° (distanza tra braccio leva ed arresto esterno maggiore di 0,2mm).
External stops are used, that do not allow to reach the 0 ° position. (The distance between the arm and the integrated stop is greater than 0,2mm).

Nel caso venissero utilizzate guide esterne, devono essere garantiti i seguenti punti:

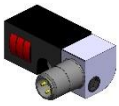
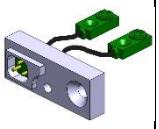
- Il ribaltatore deve raggiungere completamente la posizione di chiusura
- Devono essere mantenute le quote sopra riportate (* guide esterne)
- Non devono essere utilizzate come arresti esterni

If external guides are used, the following points must be guaranteed:

- The swivel unit must fully reach the closed position
- The above measures must be maintained (* external guides)
- They must not be used as external stops

Nel caso in cui i punti sopra indicati non venissero rispettati, ci riserviamo la possibilità di far decadere la garanzia.
If the points indicated above are not respected, we reserve the right to void the warranty.

Ricambi.
Spare parts.

# Kit	Immagine Picture	Descrizione Description		Articolo Article
Gruppo meccanico **Mechanical unit**		Gruppo meccanico Mechanical unit	RCM100.2	**MPRCM1.2**
			RCM125.2	**MPRCM2.2-125**
			RCM160.2	**MPRCM2.2-160**
			RCM200.2	**MPRCM2.2-200**
Finecorsa **Proximity switch**		Finecorsa induttivo P+F Proximity switch P+F	RCM100.2	**RFMSI – 1.2/A**
			RCM125.2	**RFMSI –125.2/A**
			RCM160.2	**RFMSI – 160.2/A**
			RCM200.2	**RFMSI – 200.2/A**
Blocchetto amplificatore **Power amplifier**		Blocchetto amplificatore LED rosso Power amplifier red LED	RCM100.2 RCM125.2/160.2/200.2	**3/413**
Satelliti **Sensor's satellite**		Satelliti Sensor's satellite	RCM100.2 RCM125.2/160.2/200.2	**3/417**
Calettatore **Clamping block**		Calettatore Clamping block	RCM100.2	**3/377**
			RCM125.2/160.2/200.2	**3/388**
Gruppo leva **Arm assembly**		Gruppo leva tipo **V** Arm assembly type **V**	RCM100.2	**SPMLM-1V**
			RCM125.2/160.2/200.2	**SPMLM-2V**
		Gruppo leva tipo **V/LS** Arm assembly type **V/LS**	RCM100.2	**SPMLM-1V/LS**
			RCM125.2/160.2/200.2	**SPMLM-2V/LS**
		Gruppo leva tipo **O** Arm assembly type **O**	RCM100.2	**SPMLM-1O**
			RCM125.2/160.2/200.2	**SPMLM-2O**
		Gruppo leva tipo **O/LS** Arm assembly type **O/LS**	RCM100.2	**SPMLM-1O/LS**
			RCM125.2/160.2/200.2	**SPMLM-2O/LS**
Kit guarnizioni **Seals kit**		Kit guarnizioni cilindro pneumatico	RCM100.2	**SPCSR-100**
			RCM125.2	**SPCSR-125**
			RCM160.2	**SPCSR-160**
			RCM200.2	**SPCSR-200**

Gruppo meccanico con leve e adattatore cilindro Mechanical unit with arms and cylinder adapter		Gruppo meccanico con leve e adattatore cilindro tipo **V** Mechanical unit with arms and cylinder adapter type **V**	RCM100.2	**MPRCM1.2-V-100**
			RCM125.2/160.2/200.2	**MPRCM2.2-V-125**
				MPRCM2.2-V-160
				MPRCM2.2-V-200
		Gruppo meccanico con leve e adattatore cilindro tipo **V/LS** Mechanical unit with arms and cylinder adapter type **V/LS**	RCM100.2	**MPRCM1.2-V/LS-100**
			RCM125.2/160.2/200.2	**MPRCM2.2-V/LS-125**
				MPRCM2.2-V/LS-160
				MPRCM2.2-V/LS-200
		Gruppo meccanico con leve e adattatore cilindro tipo **O** Mechanical unit with arms and cylinder adapter type **O**	RCM100.2	**MPRCM1.2-O-100**
			RCM125.2/160.2/200.2	**MPRCM2.2-O-125**
				MPRCM2.2-O-160
				MPRCM2.2-O-200
		Gruppo meccanico con leve e adattatore cilindro tipo **O/LS** Mechanical unit with arms and cylinder adapter type **O/LS**	RCM100.2	**MPRCM1.2-O/LS-100**
			RCM125.2/160.2/200.2	**MPRCM2.2-O/LS-125**
				MPRCM2.2-O/LS-160
				MPRCM2.2-O/LS-200
Kit guarnizioni Seals kit		Kit guarnizioni cilindro pneumatico	RCM100.2	**SPCSR-100**
			RCM125.2	**SPCSR-125**
			RCM160.2	**SPCSR-160**
			RCM200.2	**SPCSR-200**
Cilindro pneumatico Gas Pneumatic Cylinder (Gas = G) (NPT = N)		Cilindro pneumatico Pneumatic cylinder unit	RCM100.2	**SPRM100 (G)**
			RCM125.2	**SPRM125 (G)**
			RCM160.2	**SPRM160 (G)**
			RCM200.2	**SPRM200 (G)**

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