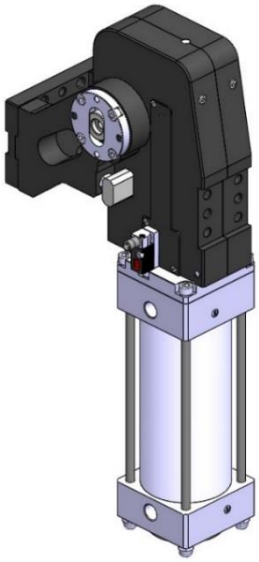
气液翻转单元 RCM/RC.2
Pneumo-hydraulic swivel unit RCM/RC.2

主要特点:

- 打开角度容易调整 (RCM)
- (RC)版带固定打开角度
- 气液控制在集成机械内
- 铝制壳体
- 曲柄连杆原理
- 钢制夹臂
- 外部夹臂限位
- 2 个安装面 (前面和后面)
- 4 种气缸缸径: 100/125/160/200 mm
- 6 个气源接口 (GAS 或 NPT)
- 2 个末端行程气动缓冲调节阀
- 电感式接近开关(连接 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　Index

索引.
Index.

VEP AUTOMATION
成立于 1966 年，源自意大利的夹紧技术

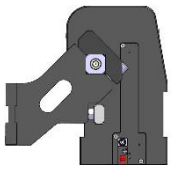
订货举例
Ordering example.

RCM125.2 – 91 – V – PX – I – G – X

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

RCMA (可选)

RCMB (可选)



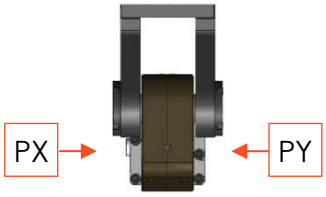
打开角度
Opening angle

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°

RC.2 系列单元的其他可调角度可以咨询. (请参见第 25 页)
On request are available additional opening angles with **RC.2** units. (see page 25)

旋转摆臂类型 (请参见尺寸页码):
Swivel arm type (see dimensional pages):
O: 水平夹臂
horizontal arm
V: 垂直夹臂
vertical arm
O/LS: 水平夹臂对称安装
symmetric horizontal arm
V/LS: 垂直夹臂对称安装
symmetric vertical arm

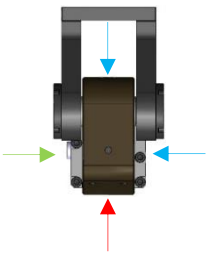
电感式传感器位置 (请参见第 23 页):
Inductive sensor position (see page 23):
P0: 无传感器
without
PX: 传感器在 X 侧
on the X side
PY: 传感器在 Y 侧
on the Y side



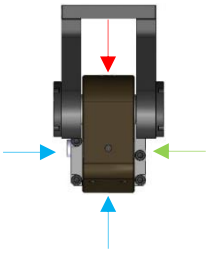
气源接口类型:
Feeding ports type:
G: G*螺纹接口
ports type G...*
N: *NPT 螺纹接口
ports type ...*NPT

电感式传感器类型:
Inductive sensor type:
I: Vep 带红色 LED
Vepwith red LED
P: Pepperl+Fuchs 带红色 LED
Pepperl+Fuchs with red LED

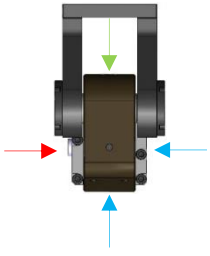
气源接口位置和缓冲调整位置:
Feeding ports position and cushion adjustment:



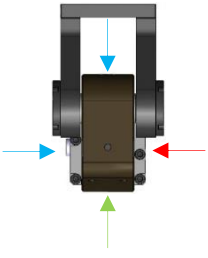
X: 在 X 方向 (左)
on the X side (left)



Y: 在 Y 方向(右)
on the Y side (right)



W: 在 W 方向 (前)
on the W side (front)

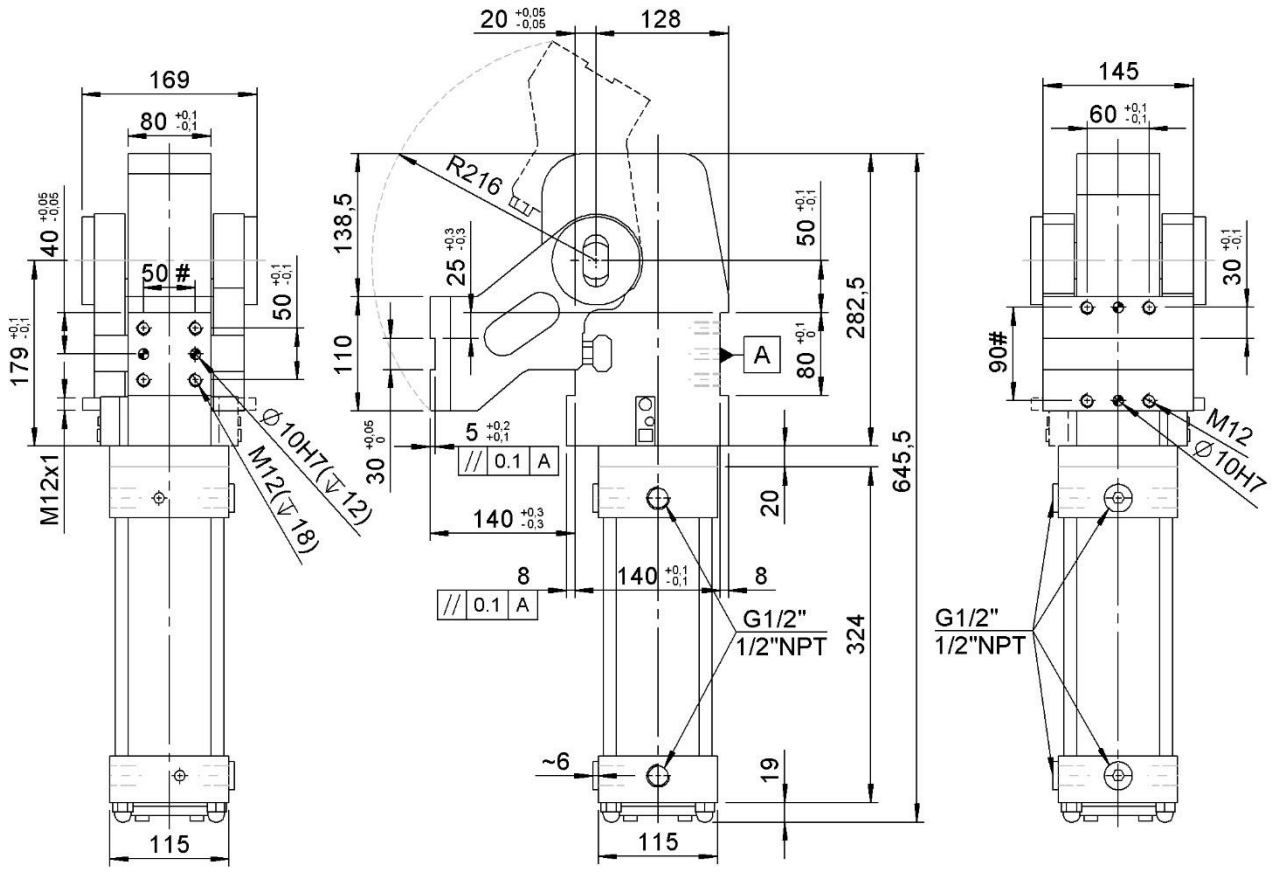


Z: 在 Z 方向 (后)
on the Z side (rear)

气源接口 air connection
气源接口带堵头
air connection with plug
缓冲调整 cushion adjustment

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

翻转单元, D.100, 打开角度可调, 标准垂直夹臂
Swivel unit, D.100, Vario Op. Angle, Std. Vertical arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量 (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

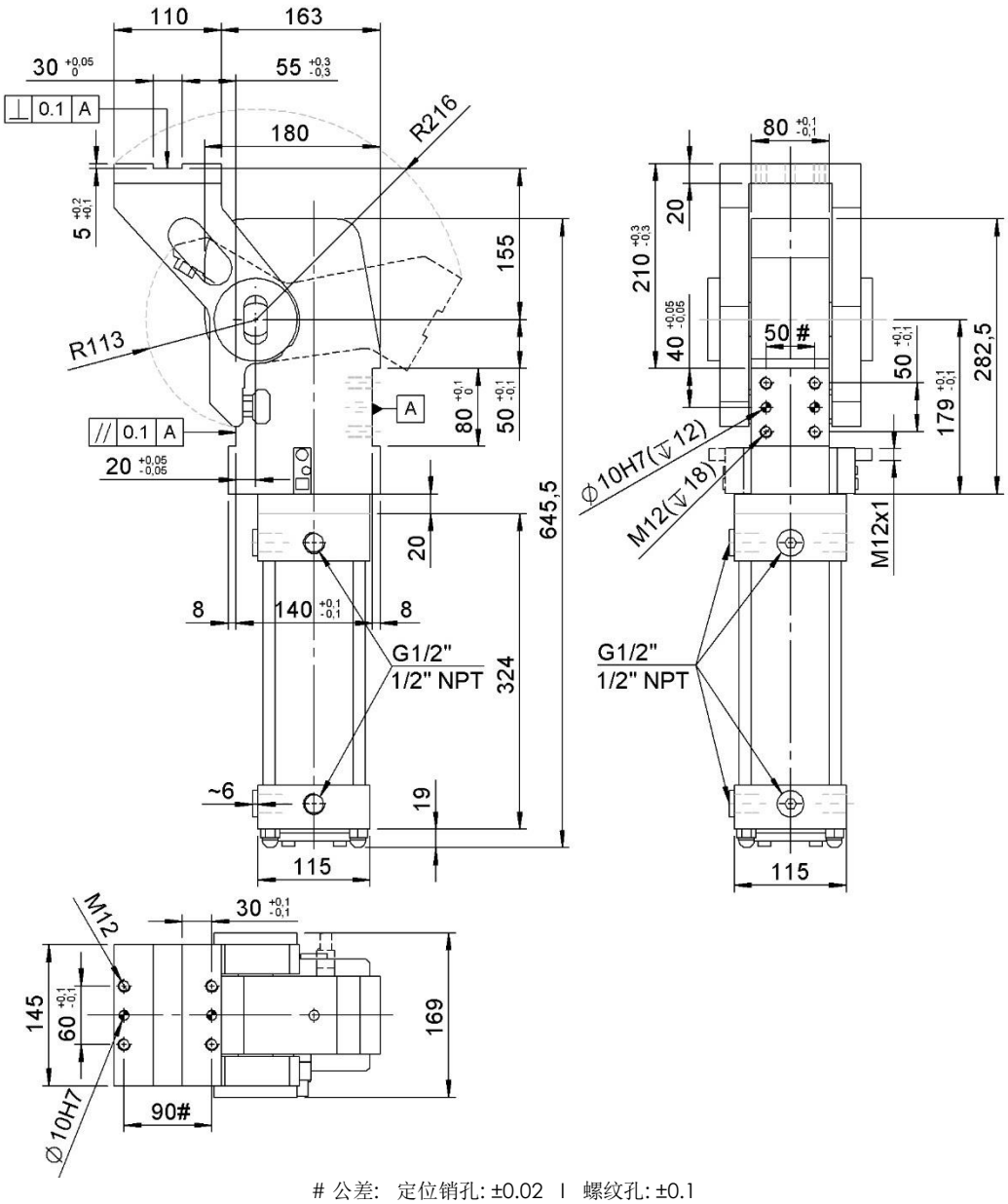
最大摆动扭矩 (5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° — **150 Nm**
Opening angle ≤ 92°

打开角度 > 92° / ≤ 121° — **110 Nm**
Opening angle > 92° / ≤ 121°

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

翻转单元, D.100, 打开角度可调, 标准水平夹臂
Swivel unit, D.100, Vario Op. Angle, Std. Horizontal arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

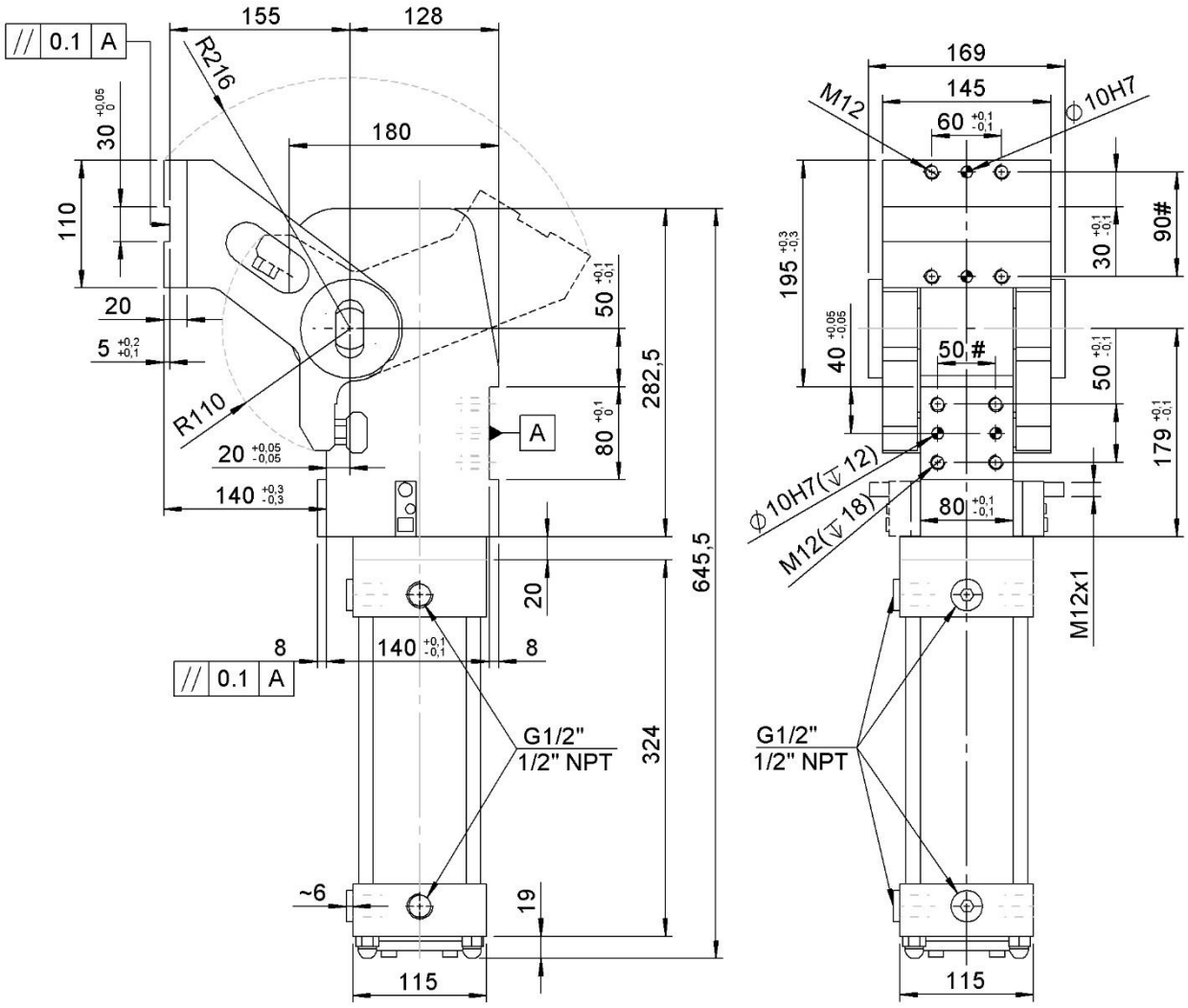
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量 (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM100.2-121-O	100	2000	~ 27	4 – 8	29°-45°-61°-77° 92°-104°-121°	14,3

最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° — **150 Nm**
Opening angle ≤ 92°
打开角度> 92° / ≤ 121° — **110 Nm**
Opening angle > 92° / ≤ 121°

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

翻转单元, D.100, 打开角度可调, 标准垂直对称夹臂
Swivel unit, D.100, Vario Op. Angle, Std. symmetric vertical arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

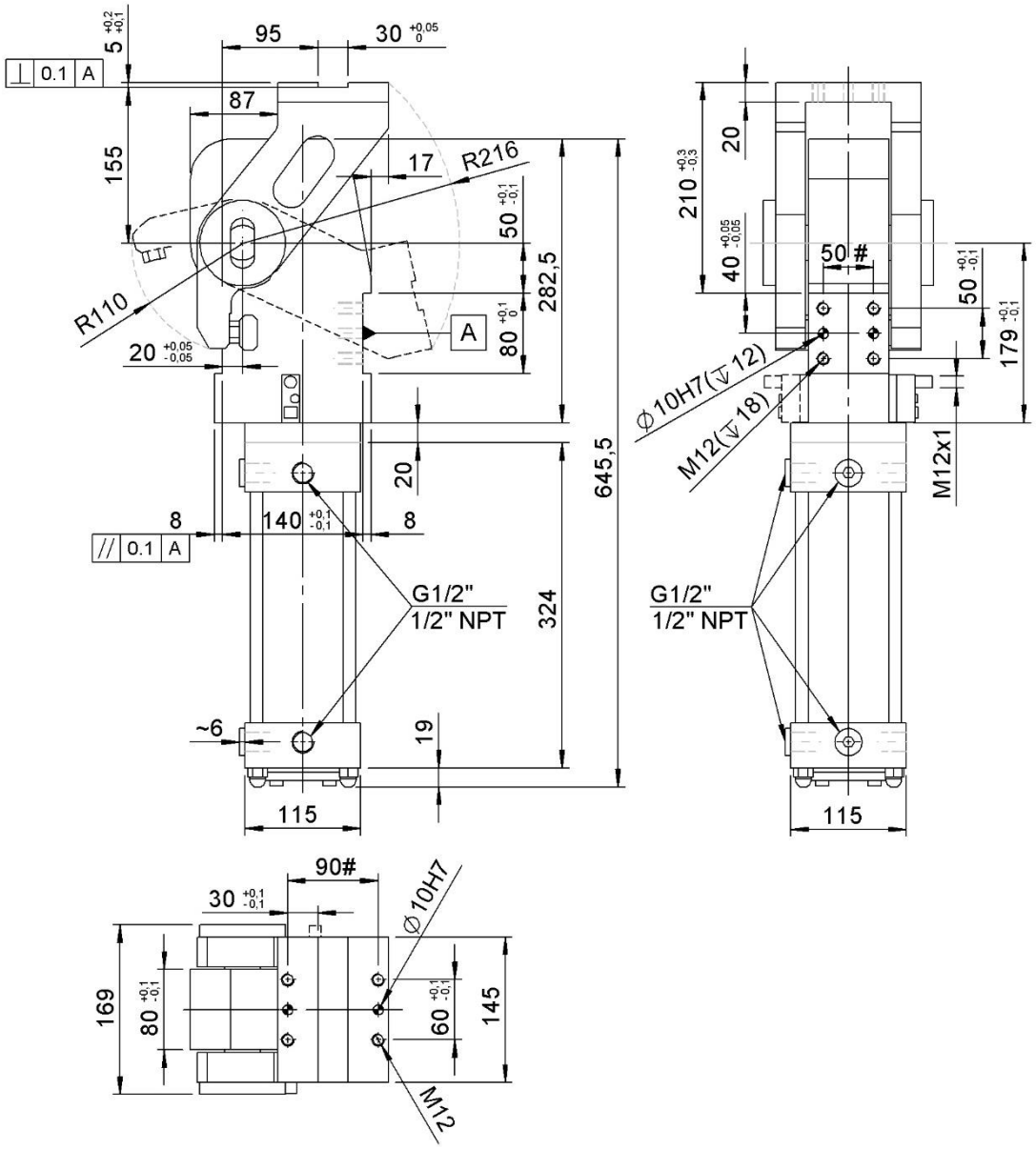
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量(5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM100.2-121-V/LS	100	2000	~ 27	4 – 8	29°-45°-61°-77° 92°-104°-121°	14,3

最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° — **150 Nm**
Opening angle ≤ 92°
打开角度> 92° / ≤ 121° — **110 Nm**
Opening angle > 92° / ≤ 121°

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

翻转单元, D.100, 打开角度可调, 标准水平对称夹臂
Swivel unit, D.100, Vario Op. Angle, Std. symmetric horizontal arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量(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

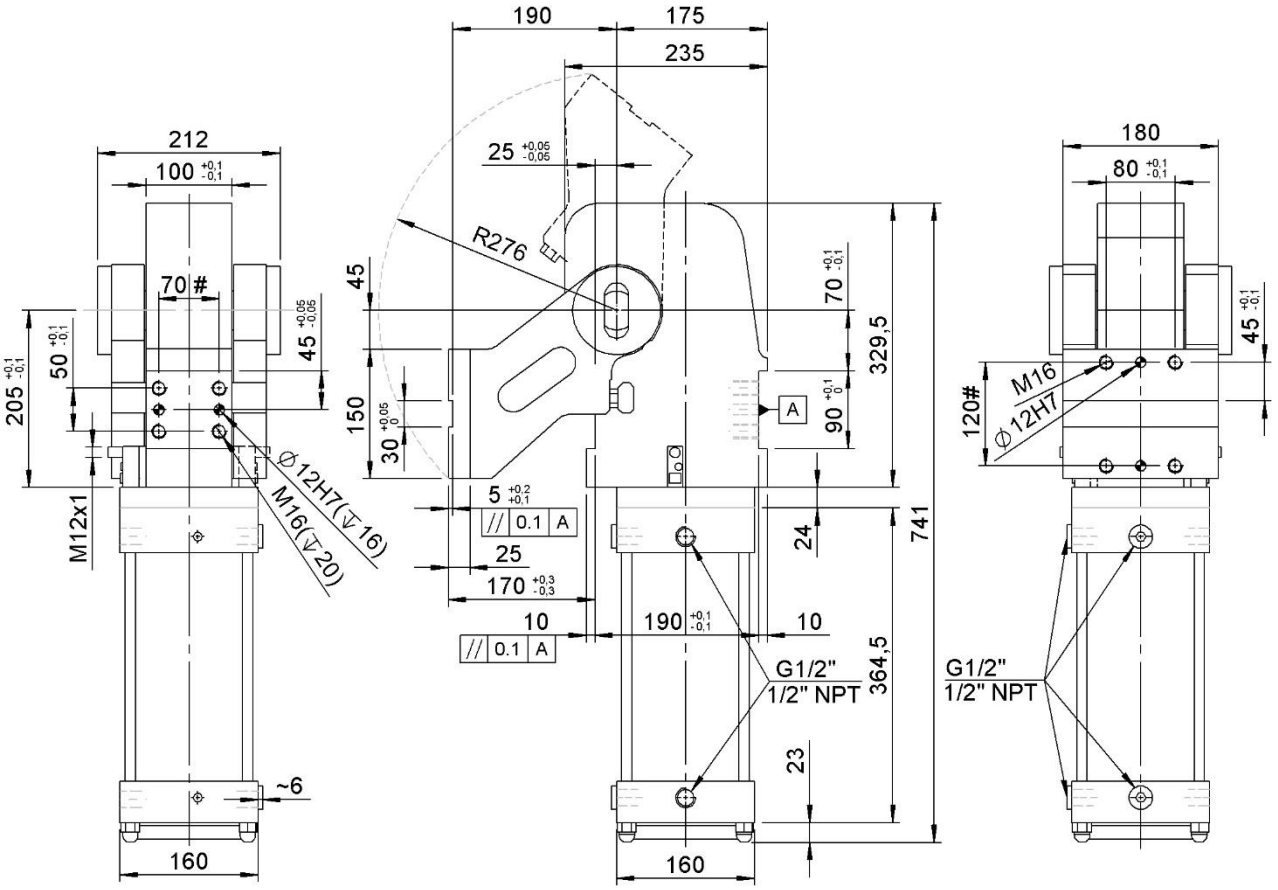
最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92°
Opening angle ≤ 92°

150 Nm

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

翻转单元, D.125, 打开角度可调, 标准垂直夹臂
Swivel unit, D.125, Vario Op. Angle, Std. Vertical arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

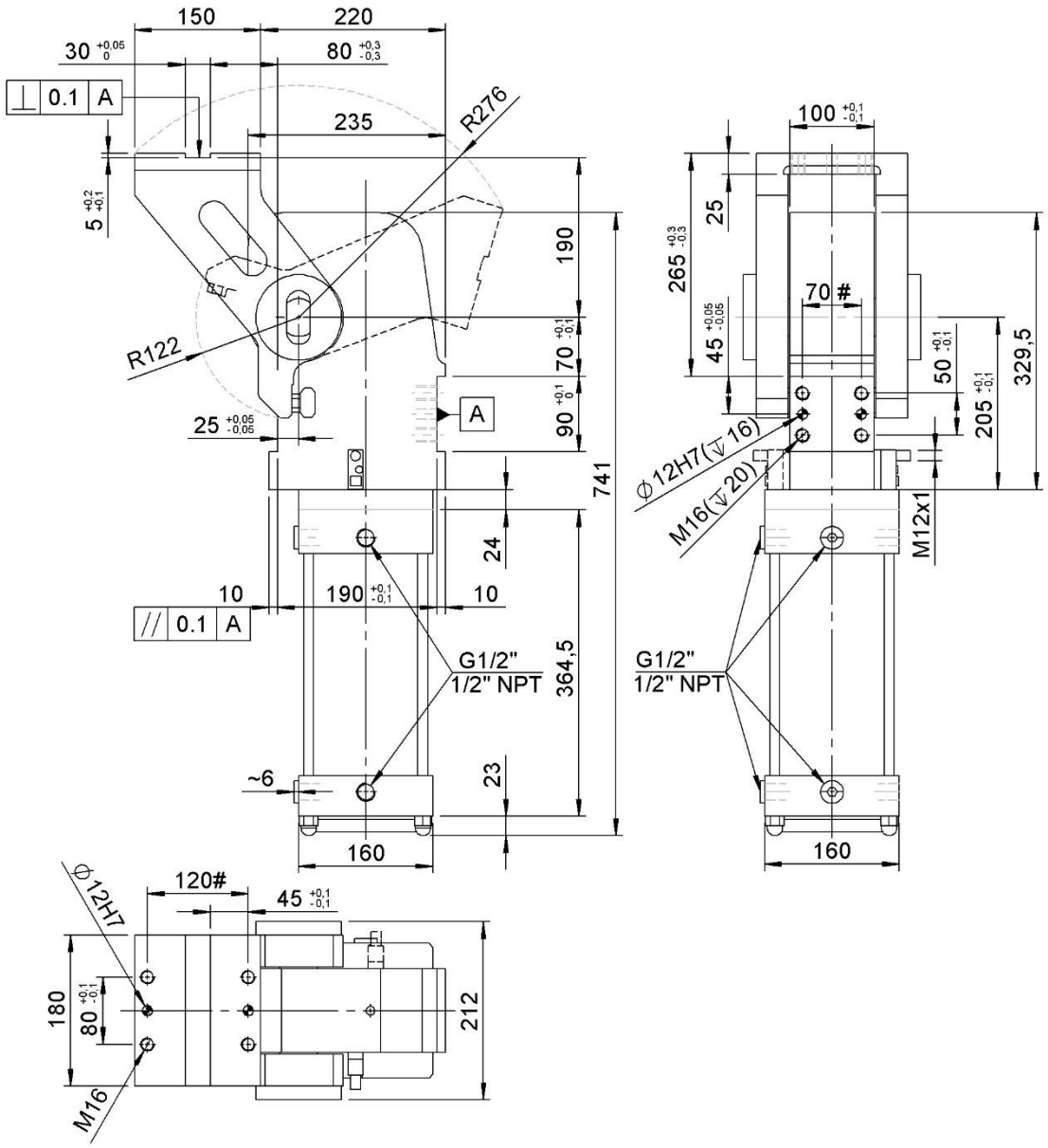
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量(5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM125.2-129-V	125	3500	~ 61	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	24,4

最大摆动扭矩 (5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° Opening angle ≤ 92°	**240 Nm**
打开角度 > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**180 Nm**
打开角度 > 121° Opening angle > 121°	**65 Nm**

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

翻转单元, D.125, 打开角度可调, 标准水平夹臂
Swivel unit, D.125, Vario Op. Angle, Std. Horizontal arm



公差:　定位销孔: ±0.02　I　螺纹孔: ±0.1
#Tolerances:　dowel holes: ±0.02　I　screw holes: ±0.1

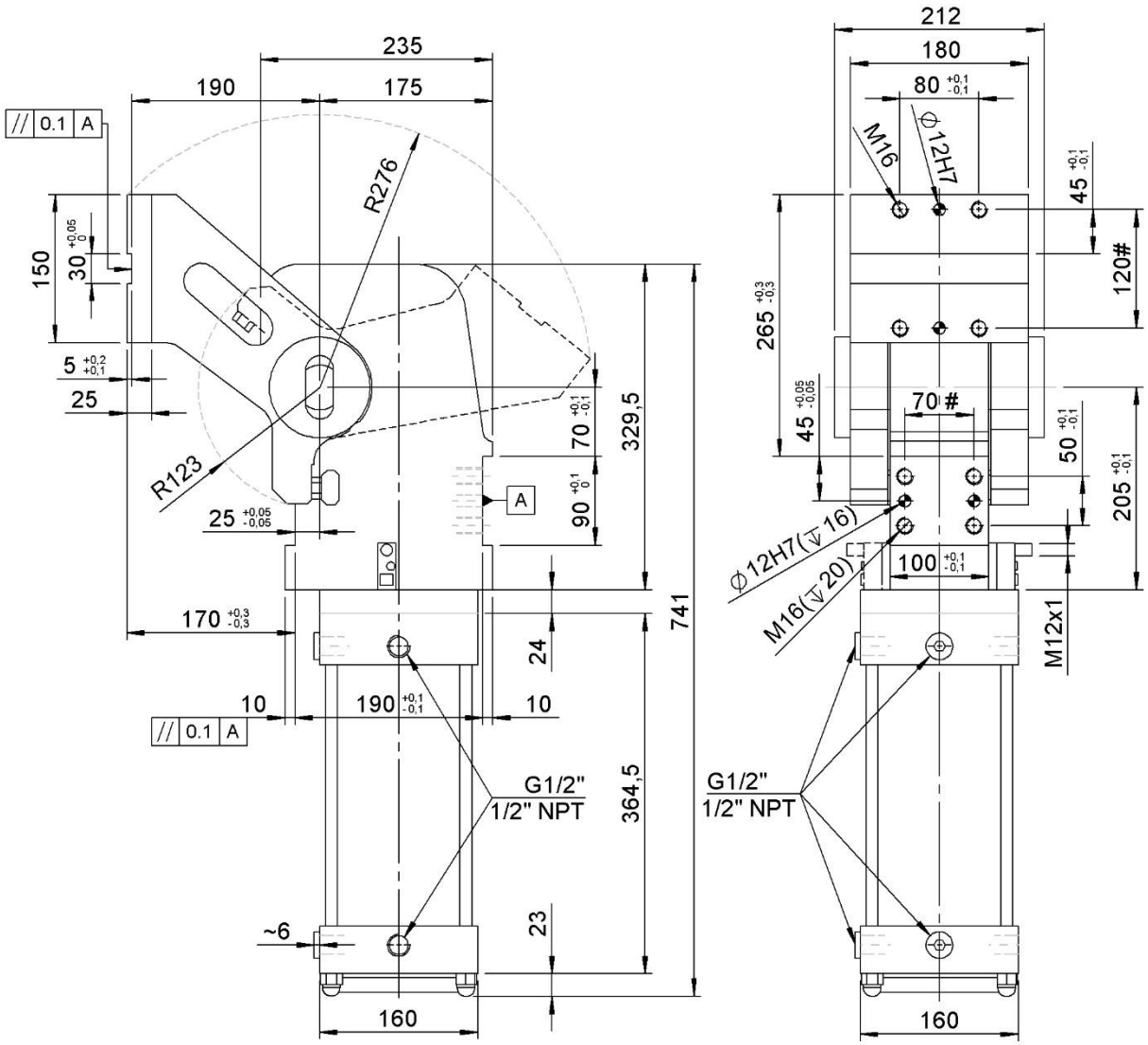
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量 (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM125.2-107-O	125	3500	~ 61	4 – 8	15°-30°-43°-61° 76°-91°-107°	22,4

最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° Opening angle ≤ 92°	**240 Nm**
打开角度 > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**180 Nm**

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

翻转单元, D.125, 打开角度可调, 标准垂直对称夹臂
Swivel unit, D.125, Vario Op. Angle, Std. symmetric vertical arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

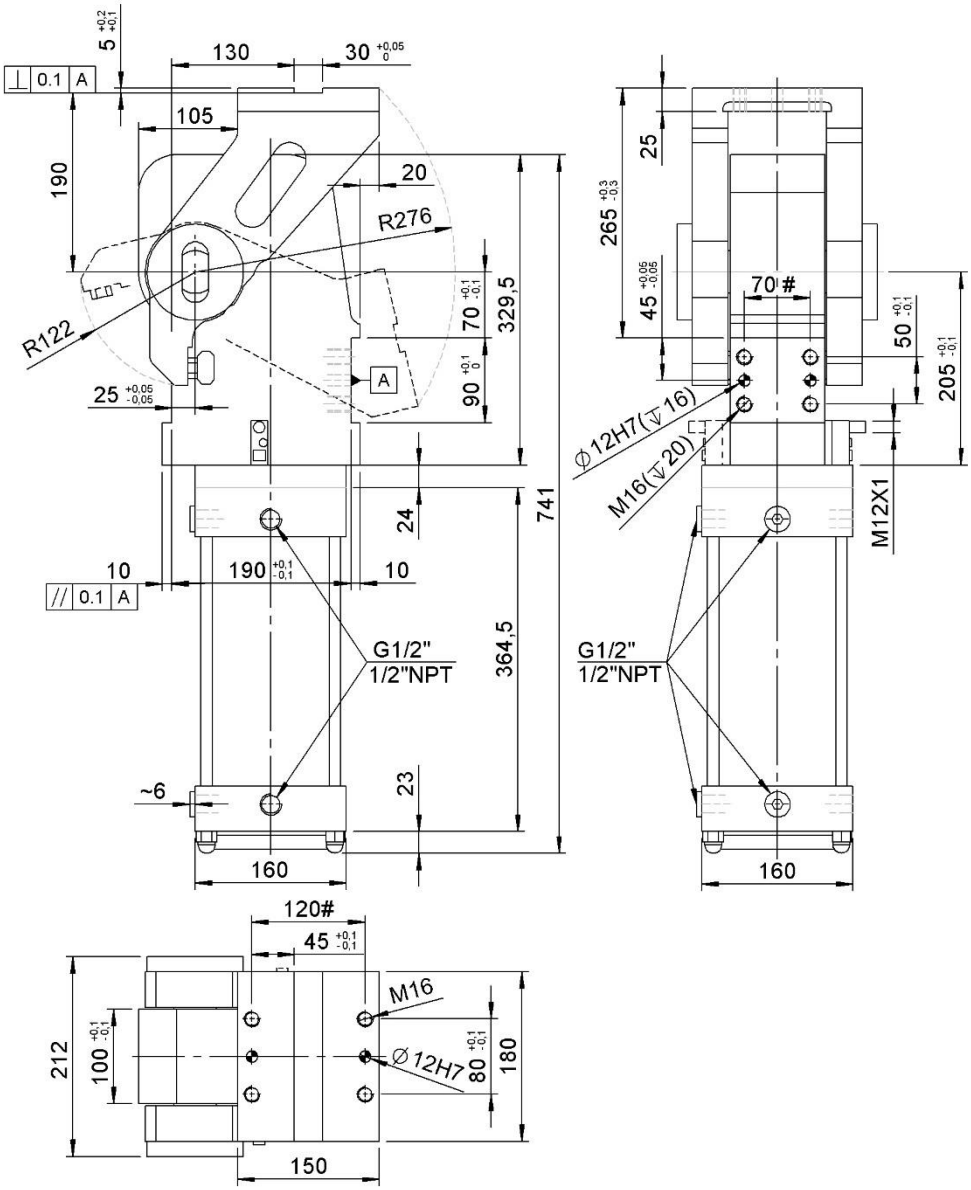
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量 (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM125.2-129-V/LS	125	3500	~ 61	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	24,4

最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° Opening angle ≤ 92°	**240 Nm**
打开角度 > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**180 Nm**
打开角度 > 121° Opening angle > 121°	**65 Nm**

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

翻转单元, D.125, 打开角度可调, 标准水平对称夹臂
Swivel unit, D.125, Vario Op. Angle, Std. symmetric horizontal arm



#公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量(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

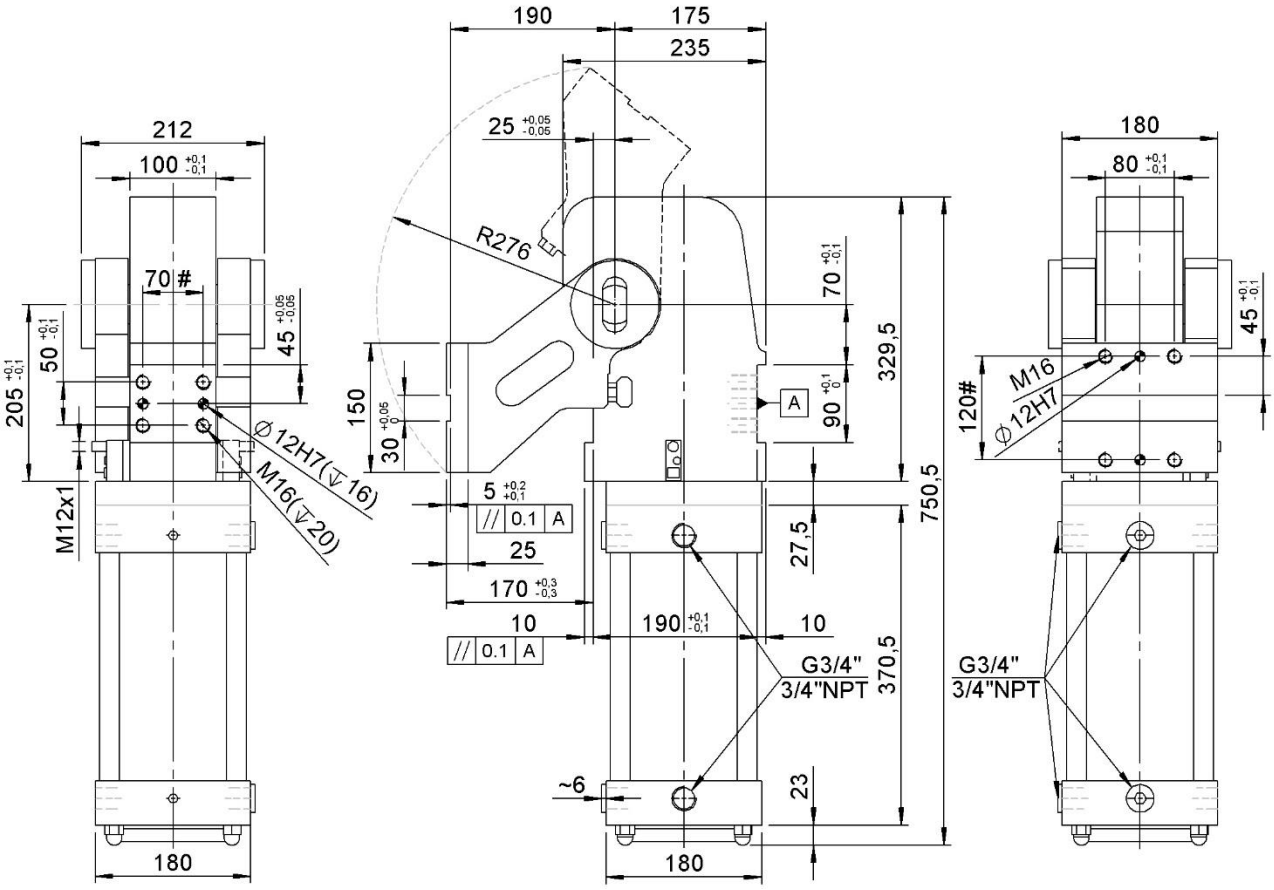
最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92°
Opening angle ≤ 92°

240 Nm

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

翻转单元, D.160, 打开角度可调, 标准垂直夹臂
Swivel unit, D.160, Vario Op. Angle, Std. vertical arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

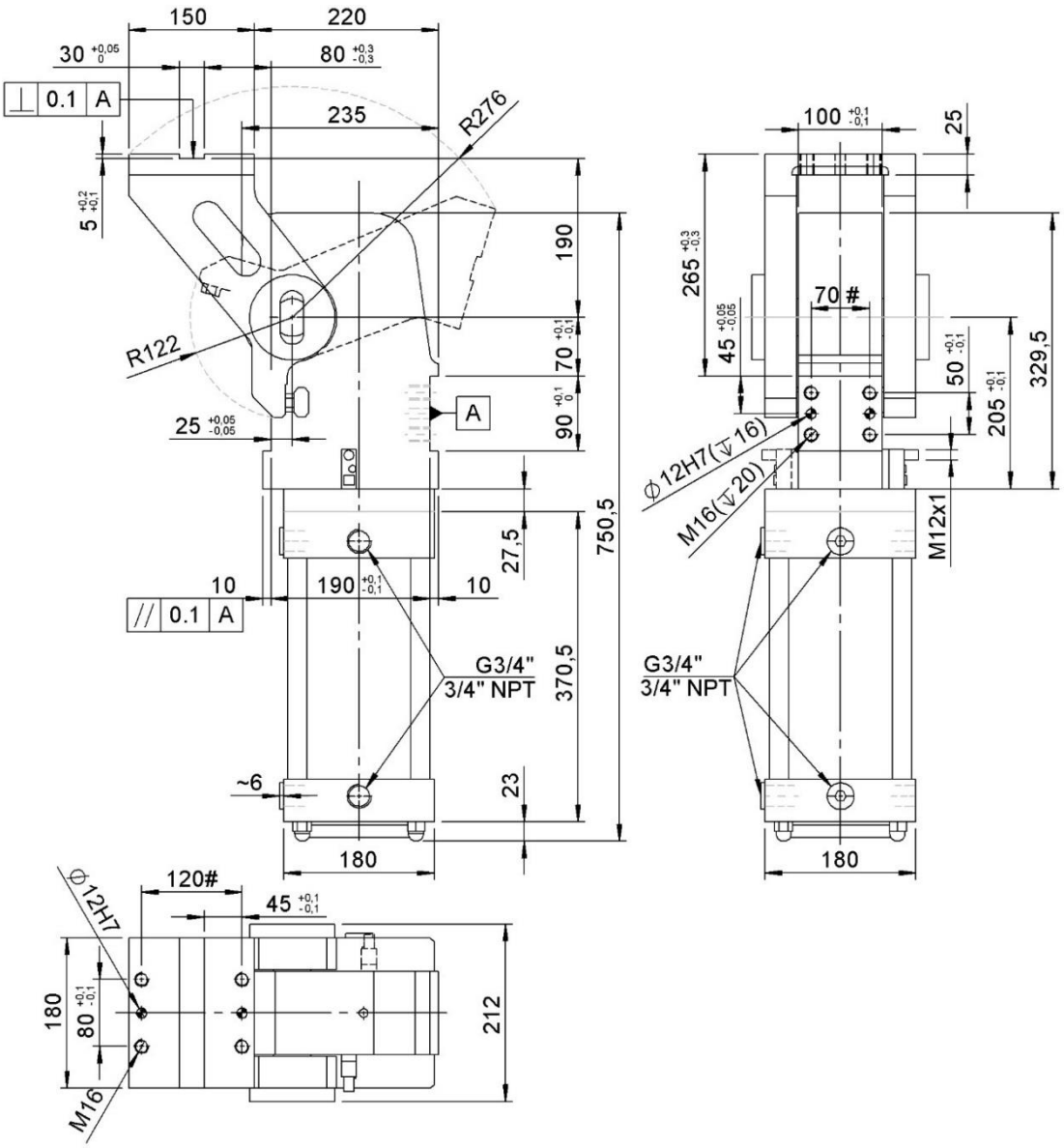
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量(5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM160.2-129-V	160	3500	~ 74	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	42,2

最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° Opening angle ≤ 92°	**410 Nm**
打开角度 > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**300 Nm**
打开角度 > 121° Opening angle > 121°	**100 Nm**

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

翻转单元, D.160, 打开角度可调, 标准水平夹臂
Swivel unit, D.160, Vario Op. Angle, Std. horizontal arm



公差:　定位销孔: ±0.02　I　螺纹孔: ±0.1
#Tolerances:　dowel holes: ±0.02　I　screw holes: ±0.1

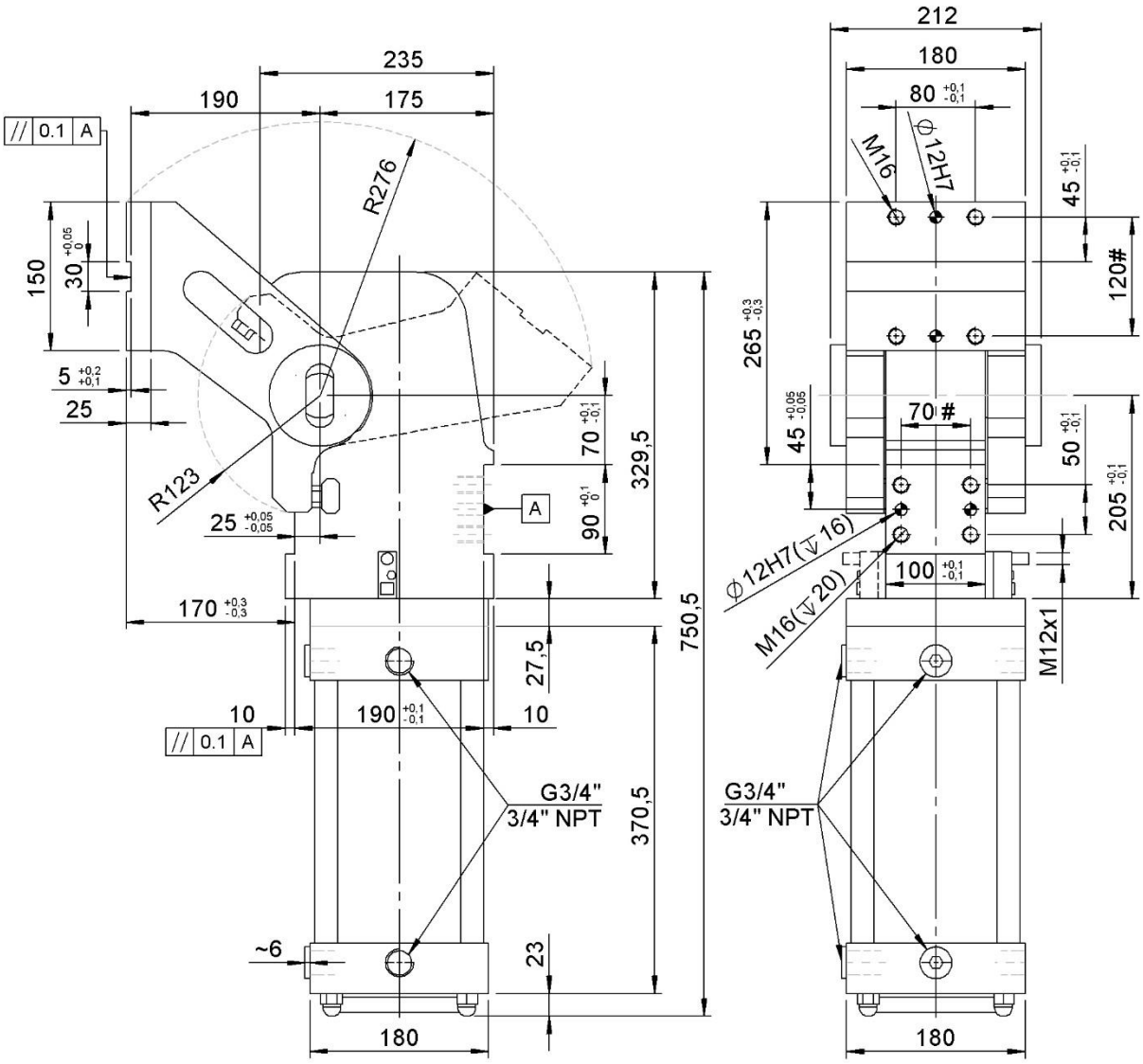
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量 (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM160.2-107-O	160	3500	~ 74	4 – 8	15°-30°-43°-61° 76°-91°-107°	38,5

最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92°　**410 Nm**
Opening angle ≤ 92°
打开角度 > 92° / ≤ 121°　**300 Nm**
Opening angle > 92° / ≤ 121°

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

翻转单元, D.160, 打开角度可调, 标准垂直对称夹臂
Swivel unit, D.160, Vario Op. Angle, Std. symmetric vertical arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

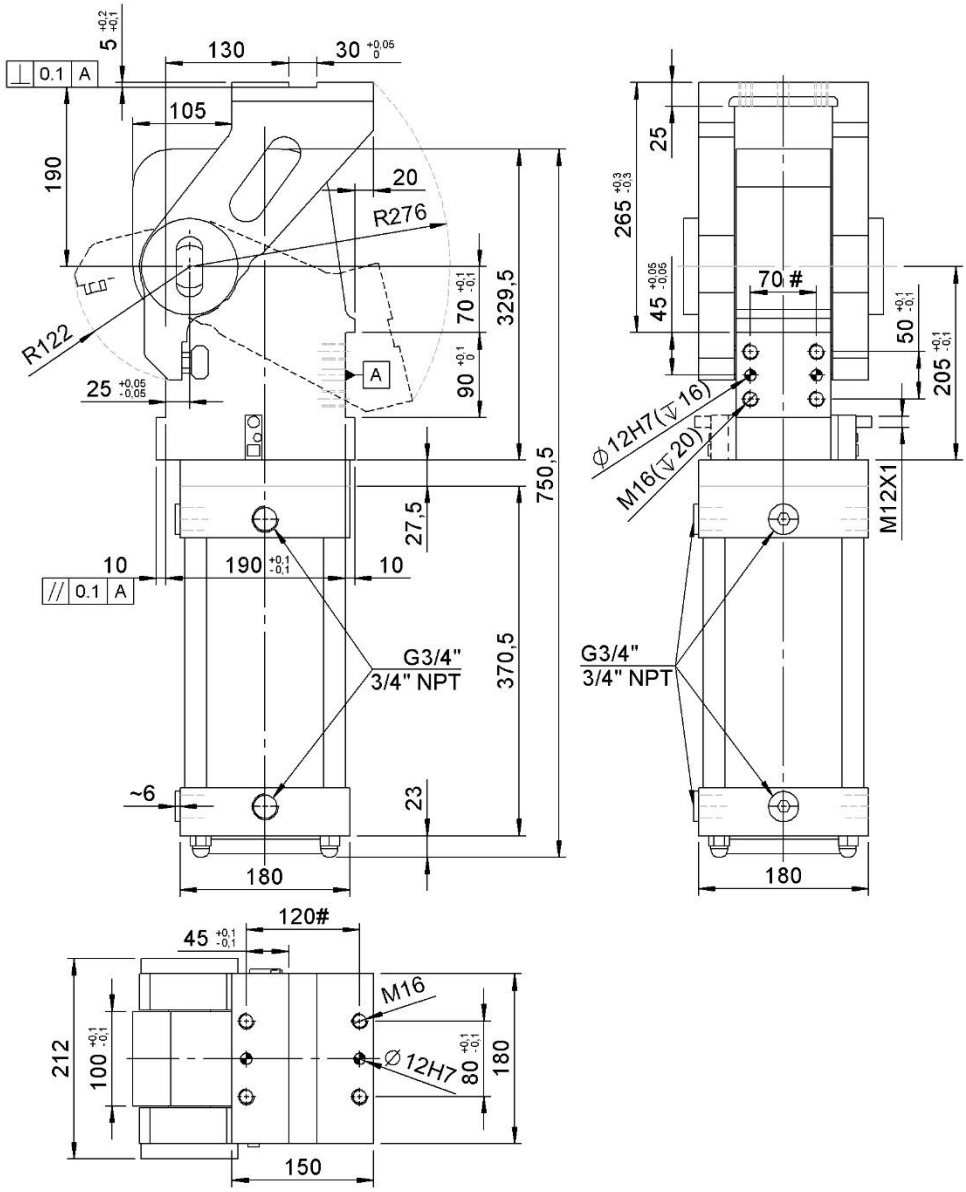
类型 Type	缸体 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量 (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM160.2-129-V/LS	160	3500	~ 74	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	42,2

最大摆动扭矩 (5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° Opening angle ≤ 92°	**410 Nm**
打开角度· > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**300 Nm**
打开角度> 121° Opening angle > 121°	**100 Nm**

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

翻转单元, D.160, 打开角度可调, 标准水平对称夹臂
Swivel unit, D.160, Vario Op. Angle, Std. symmetric horizontal arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量(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

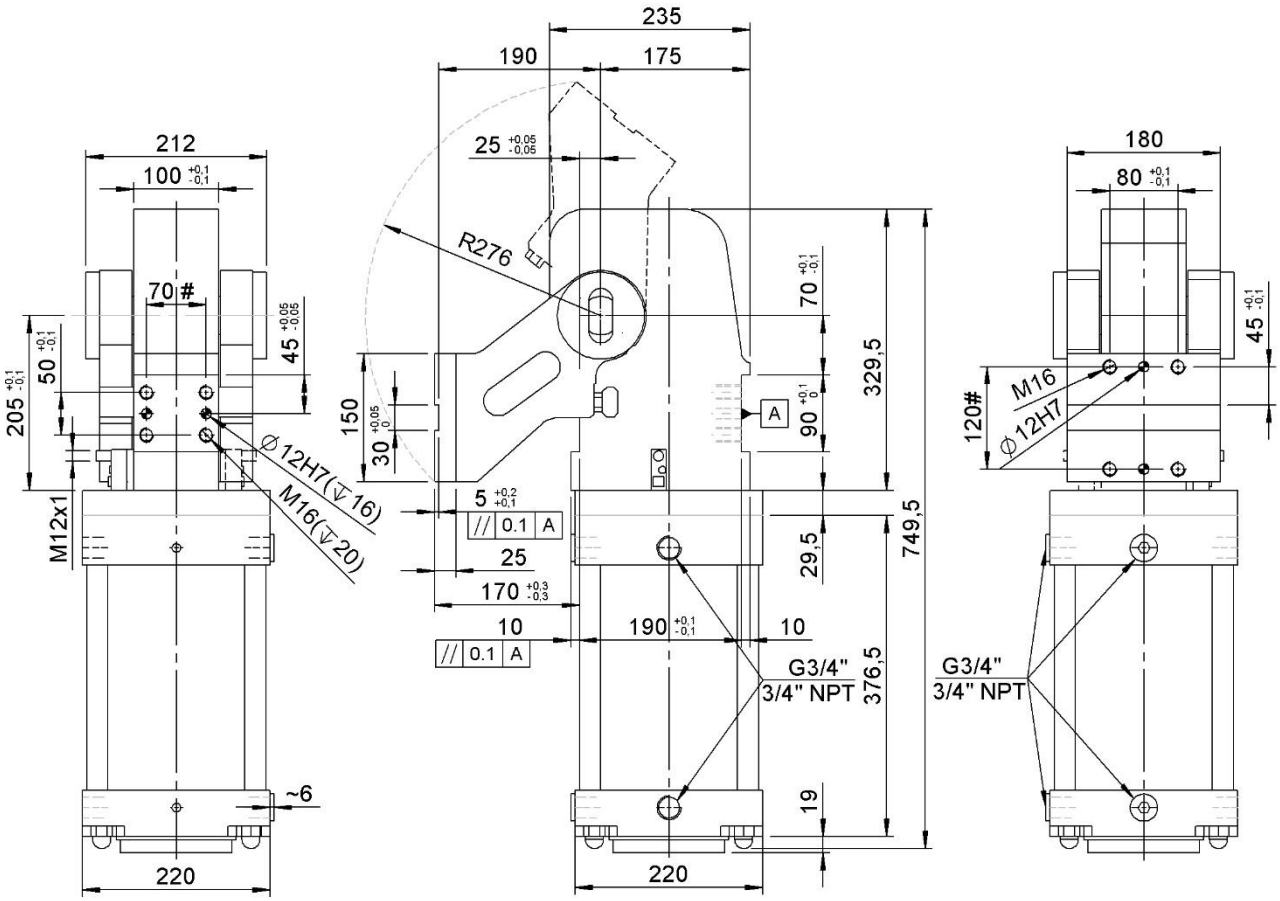
最大摆动扭矩 (5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92°
Opening angle ≤ 92°

410 Nm

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

翻转单元, D.200, 打开角度可调, 标准垂直夹臂
Swivel unit, D.200, Vario Op. Angle, Std. vertical arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

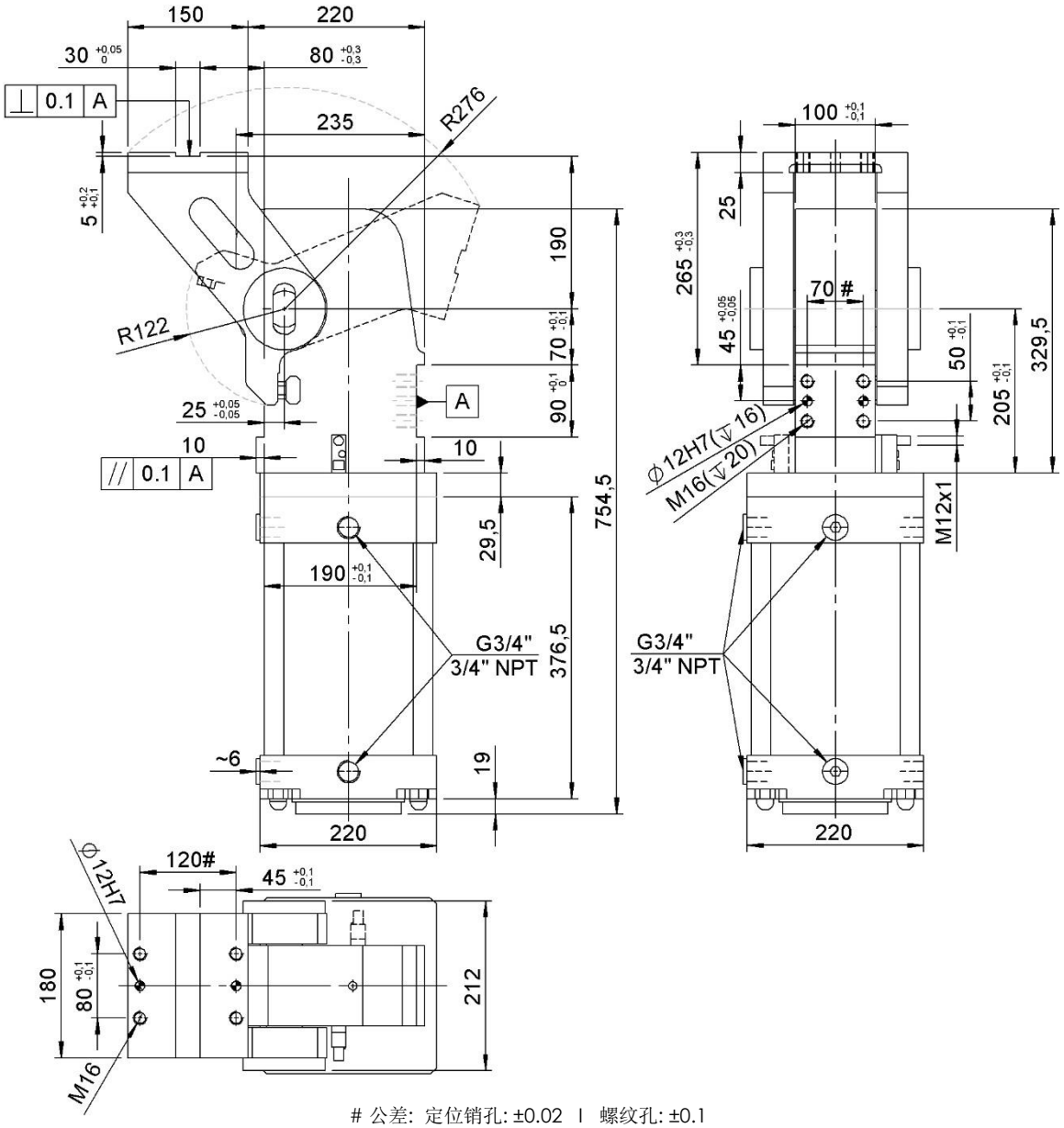
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量 (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM200.2-129-V	200	3500	~ 81	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	65,1

最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度≤ 92° Opening angle ≤ 92°	**660 Nm**
打开角度 > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**480 Nm**
打开角度 > 121° Opening angle > 121°	**175 Nm**

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

翻转单元, D.200, 打开角度可调, 标准水平夹臂
Swivel unit, D.200, Vario Op. Angle, Std. horizontal arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

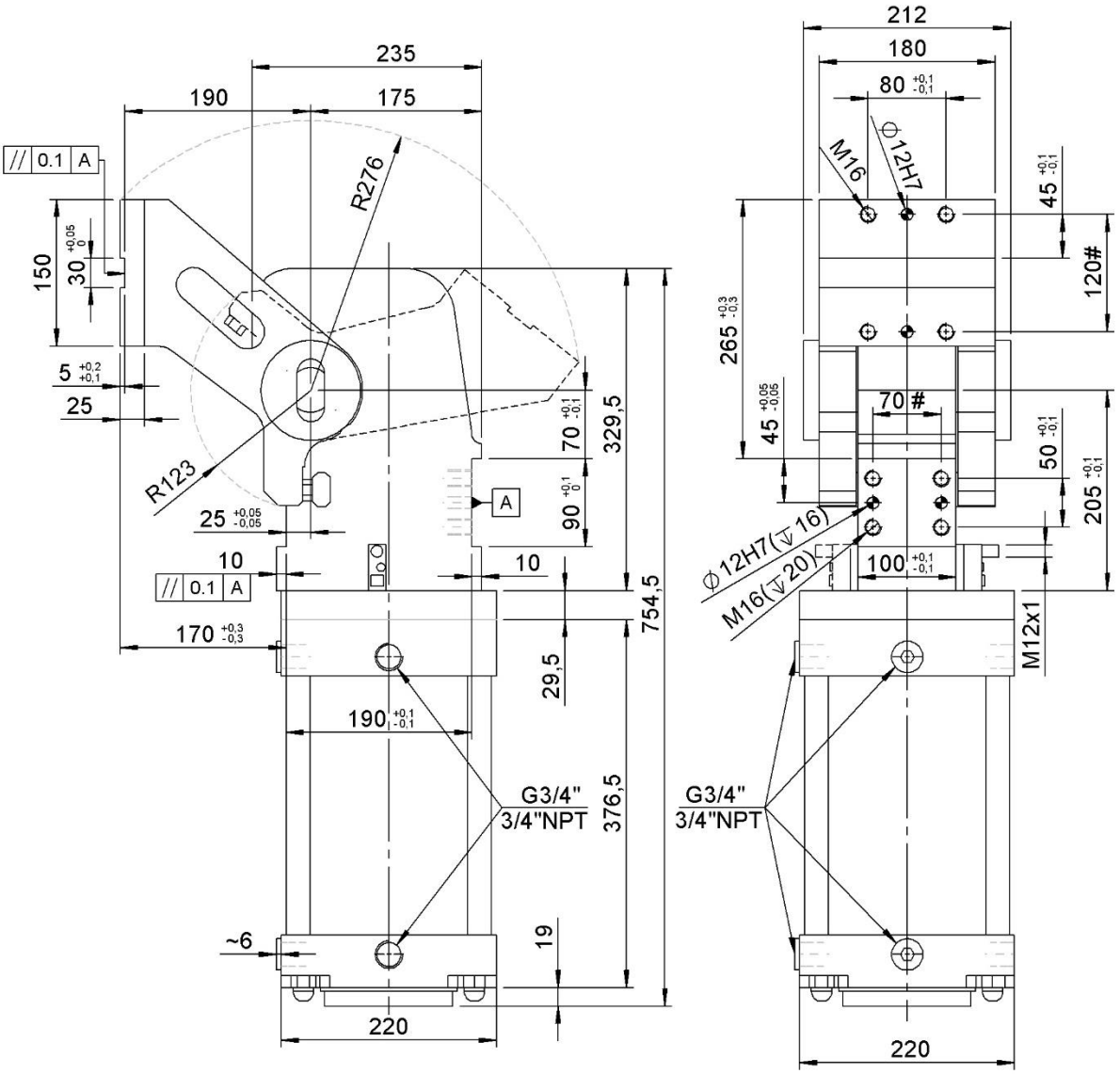
类型 Type	缸体 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量 (5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM200.2-107-O	200	3500	~ 81	4 – 8	15°-30°-43°-61° 76°-91°-107°	59,2

最大摆动扭矩 (5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° — **660 Nm**
Opening angle ≤ 92°
打开角度> 92° / ≤ 121° — **480 Nm**
Opening angle > 92° / ≤ 121°

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

翻转单元, D.200, 打开角度可调, 标准垂直对称夹臂
Swivel unit, D.200, Vario Op. Angle, Std. symmetric vertical arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

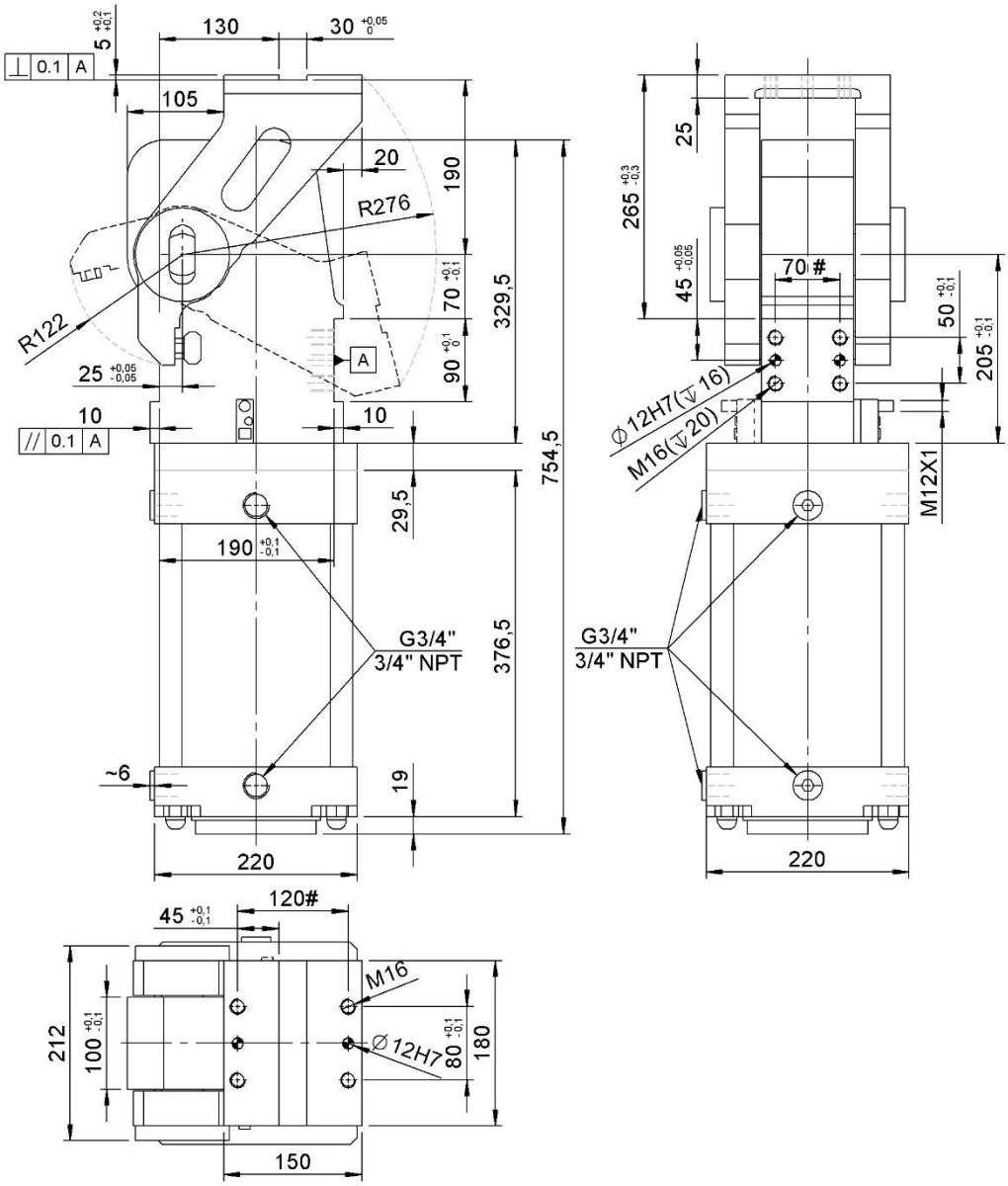
类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量(5 bar) Air consumption (5 bar)
	[mm]	[Nm]	[Kg]	[bar]	[°]	[l]
RCM200.2-129-V/LS	200	3500	~ 81	4 – 8	15°-30°-43°-61° 76°-91°-107°-129°	65,1

最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92° Opening angle ≤ 92°	**660 Nm**
打开角度 > 92° / ≤ 121° Opening angle > 92° / ≤ 121°	**480 Nm**
打开角度 > 121° Opening angle > 121°	**175 Nm**

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

翻转单元, D.200, 打开角度可调, 标准水平对称夹臂
Swivel unit, D.200, Vario Op. Angle, Std. symmetric horizontal arm



公差: 定位销孔: ±0.02 I 螺纹孔: ±0.1
#Tolerances: dowel holes: ±0.02 I screw holes: ±0.1

类型 Type	缸径 Cylinder bore	保持力 Holding moment	重量 Weight	工作气压 Working pressure	打开角度 Opening angle	耗气量(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

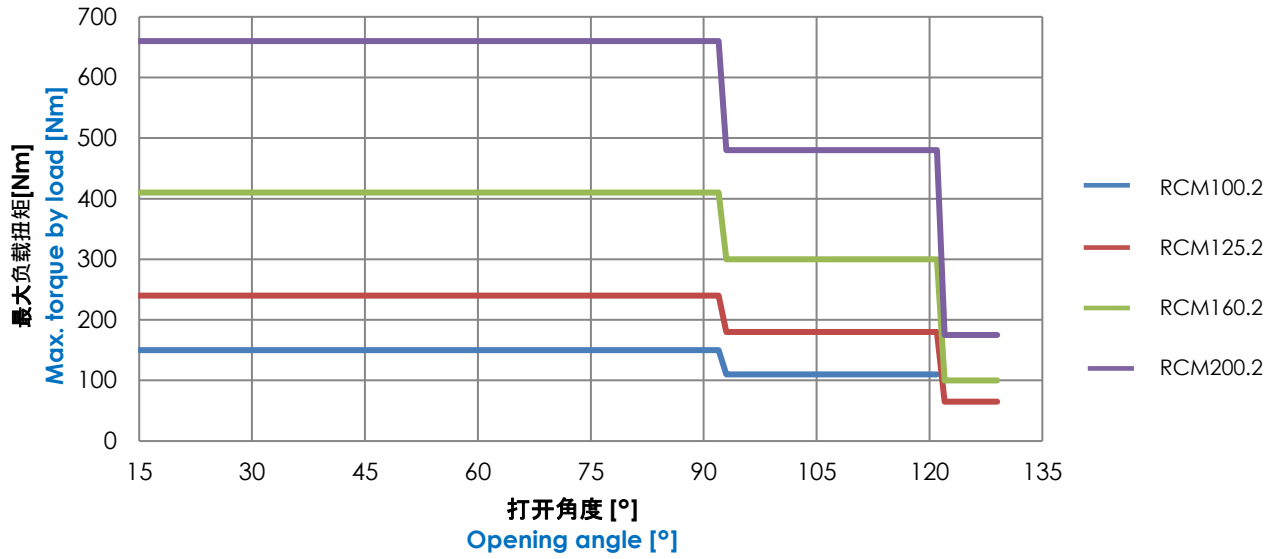
最大摆动扭矩(5 bar)
Max. torque by load (5 bar)

打开角度 ≤ 92°
Opening angle ≤ 92°

660 Nm

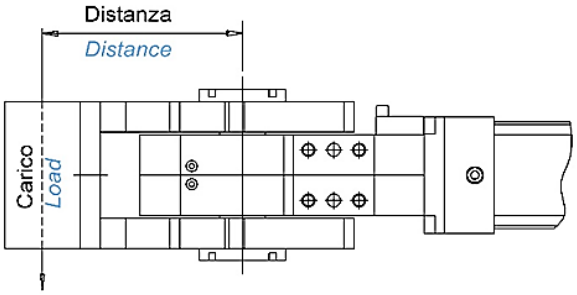
图表
Diagrams.

最大负载图表 (5 bar)
Diagrams of max. load (5 bar)



类型 Type	最大摆动扭矩 [Nm] Max. torque by load [Nm]								
	打开角度 ≤ 92° Opening angle ≤ 92°			打开角度 > 92° / ≤ 121° Opening angle > 92° / ≤ 121°			打开角度 > 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

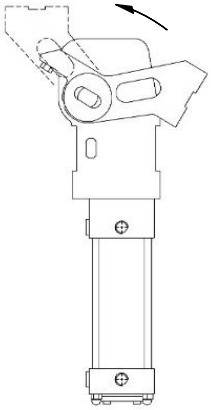
水平旋转最大负载 (6 bar)
Max. applicable load with swivel unit positioned on its side (6 bar)



水平旋转
Swivel unit positioned on its side

	最大负载扭矩 (Nm) Max. torque by load (Nm)
	6 bar
RFM100.2	80
RFM125.2 RFM160.2 RFM200.2	200

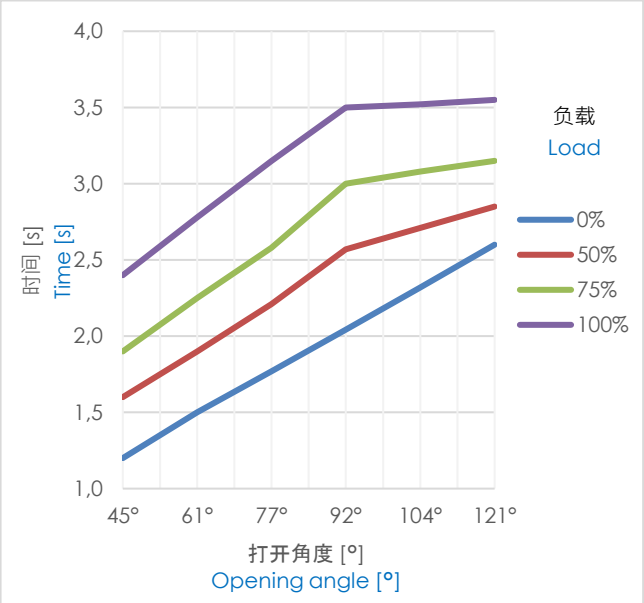
耗时图表
Time diagrams.



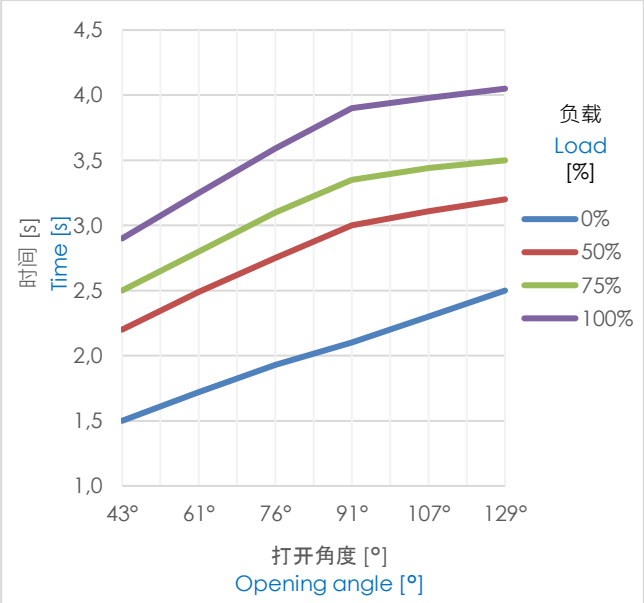
关闭阶段
Closing phase

工作气压: 5 bar
夹臂类型: O (见图片)
翻转单元位置: 垂直 (见图片)
Working pressure: 5 bar
Arm type: O (see image)
Swivel unit position: vertical (see image)

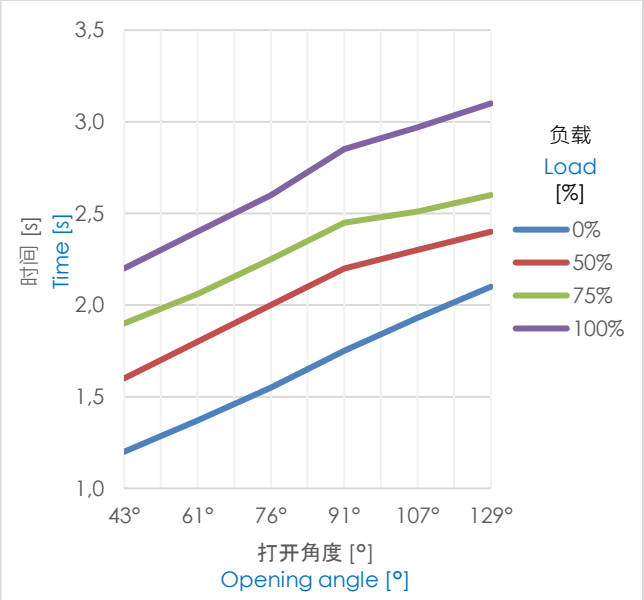
RCM100.2



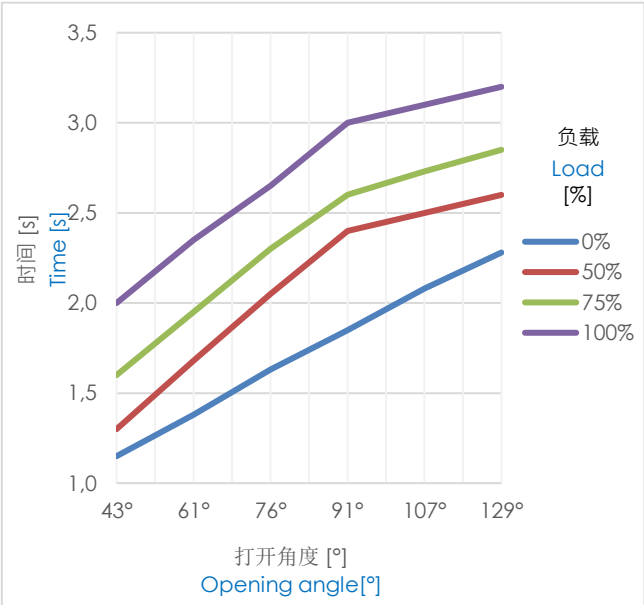
RCM125.2



RCM160.2

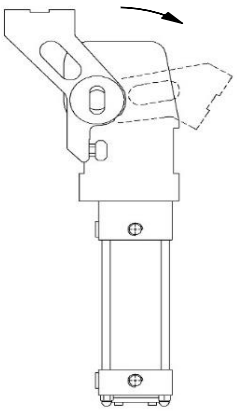


RCM200.2

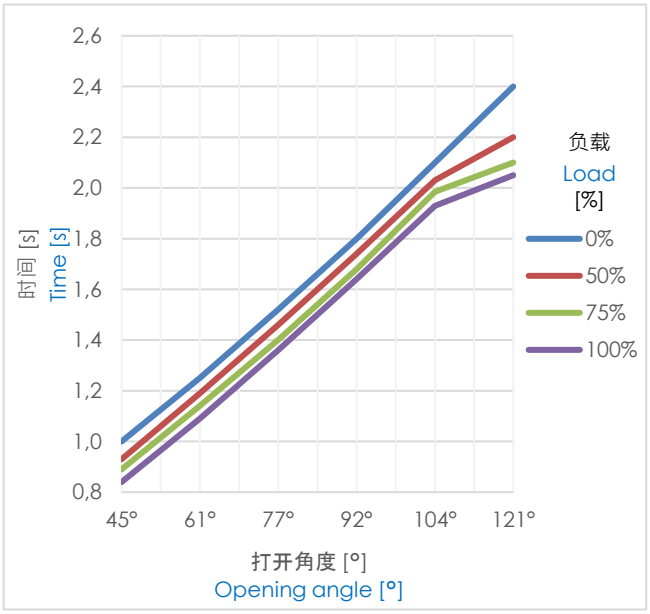


打开阶段
Opening phase

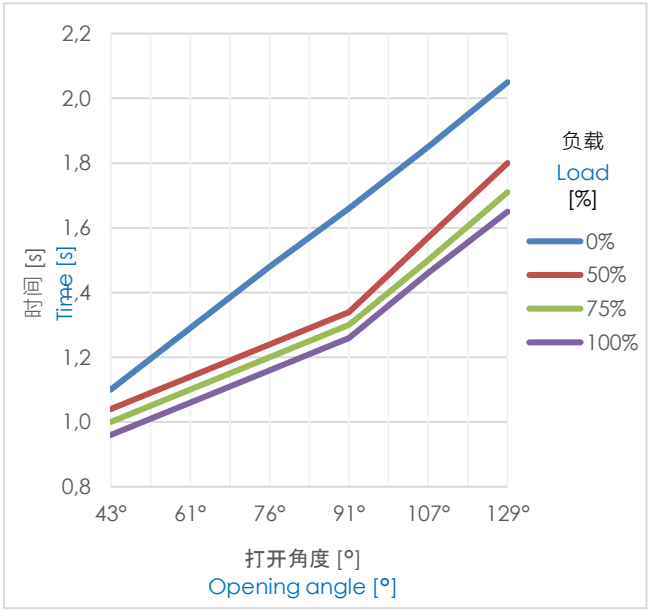
工作气压: 5 bar
夹臂类型: O (见图片)
翻转单元位置: 垂直 (见图片)
Working pressure: 5 bar
Arm type: O (see image)
Swivel unit position: vertical (see image)



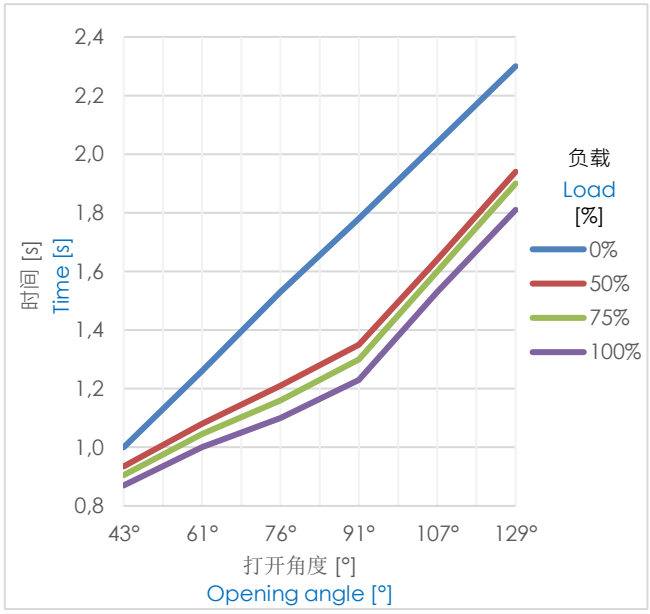
RCM100.2



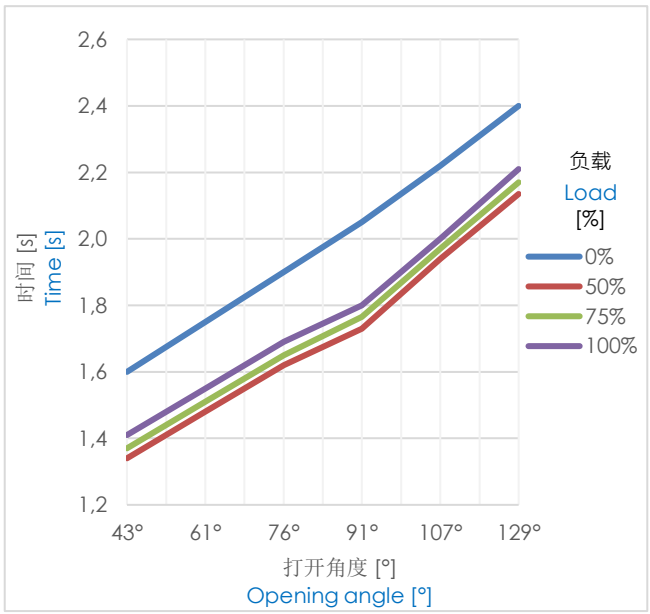
RCM125.2

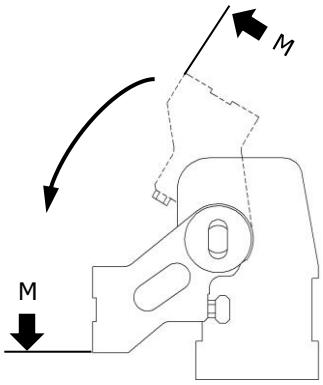


RCM160.2



RCM200.2





为了避免角速度过高，请遵循表格中的打开信号和关闭信号的最小时间差。
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.

类型 Type	打开信号和关闭信号之间的最小时间差. 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

如果不遵守表格中的数值，可能导致设备受损。
If don't respect the value report in tab, the device may break

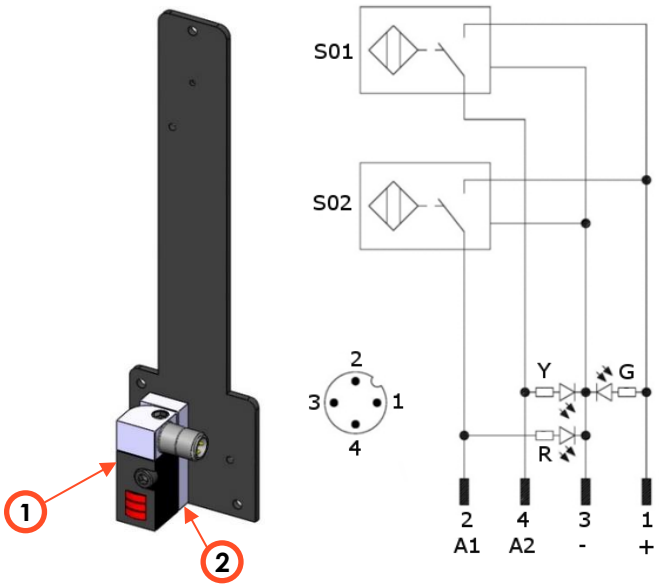
电感式传感器示意图
Diagram for inductive sensor.

技术参数 (P+F):

- 输出类型: PNP;
- 输入电压: 10-30 VDC;
- 最大换向电流: 200 mA;
- 电源供应: < 20mA;
- 电压差: <2 V;
- 工作温度: -25° / 70° C.

Technical data (P+F):

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



S01 = 打开信号
S01 = opening signal
S02 = 关闭信号
S02 = closing signal

Y = 黄色 LED / yellow LED
G = 绿色 LED / green LED
R = 红色 LED / red LED

1 = 棕色系 / brown wire
2 = 黑色线 / black wire
3 = 蓝色线 / blue wire
4 = 白色线 /white wire

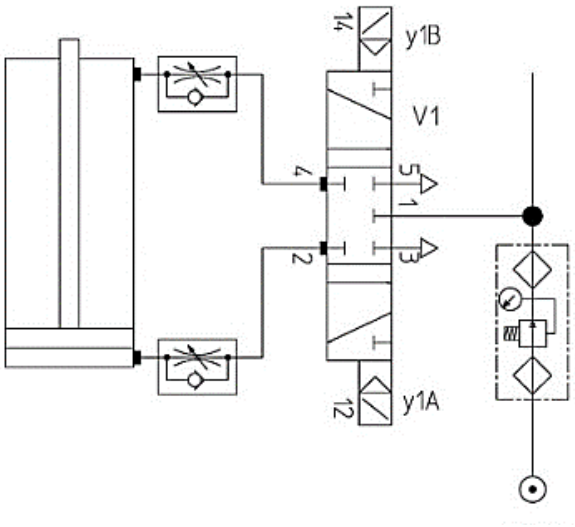
RCM100.2

传感器类型 Inductive sensor type	功率放大器 Power amplifier 1	传感器卫星件 Sensor's satellite 2	完整传感器 Complete inductive sensor
Vep 传感器带红色 LED Vep sensor with red LED	3/472		RFMSI – 1.2/L
Pepperl + Fuchs 传感器带红色 LED Pepperl+Fuchs sensor with red LED	3/413	3/417	RFMSI – 1.2/A

RCM125.2 RCM160.2 RCM200.2

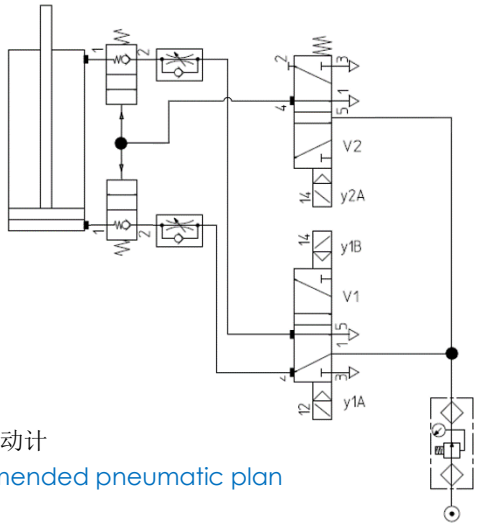
传感器类型 Inductive sensor type	功率放大器 Power amplifier 1	传感器卫星件 Sensor's satellite 2	完整传感器 Complete inductive sensor	
Pepperl + Fuchs 传感器带红色 LED Pepperl+Fuchs sensor with red LED	3/472		RFM125.2	RFMSI – 125.2/L
			RFM160.2	RFMSI – 160.2/L
			RFM200.2	RFMSI – 200.2/L
Pepperl + Fuchs 传感器带红色 LED Pepperl+Fuchs 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

气路图
Pneumatic plan.



控制阀　5/3

Control valve　5/3



推荐的气动计

Recommended pneumatic plan

控制阀　5/2

Control valve　5/2

工作气压 Working pressure
[bar]
4 – 8

耗气量
Air consumption

	打开角度 Opening angle	耗气量 (5 bar) Air consumption (5 bar)	耗气量(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

RC.2 系列翻转单元其他打开角度(打开角度固定不可调)

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

如果 RCM.2 系列的可选角度不符合客户设计的应用，我们可以根据要求提供一个更多打开角度的 RC.2 系列 。
以下附上 RC.2 系列可以打开角度的完整清单。

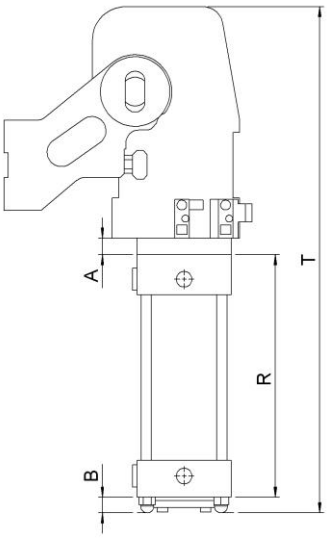
请注意: RC.2 系列单元的打开角度不可调。RC.2 系列气缸缸体长度根据打开角度而定。

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

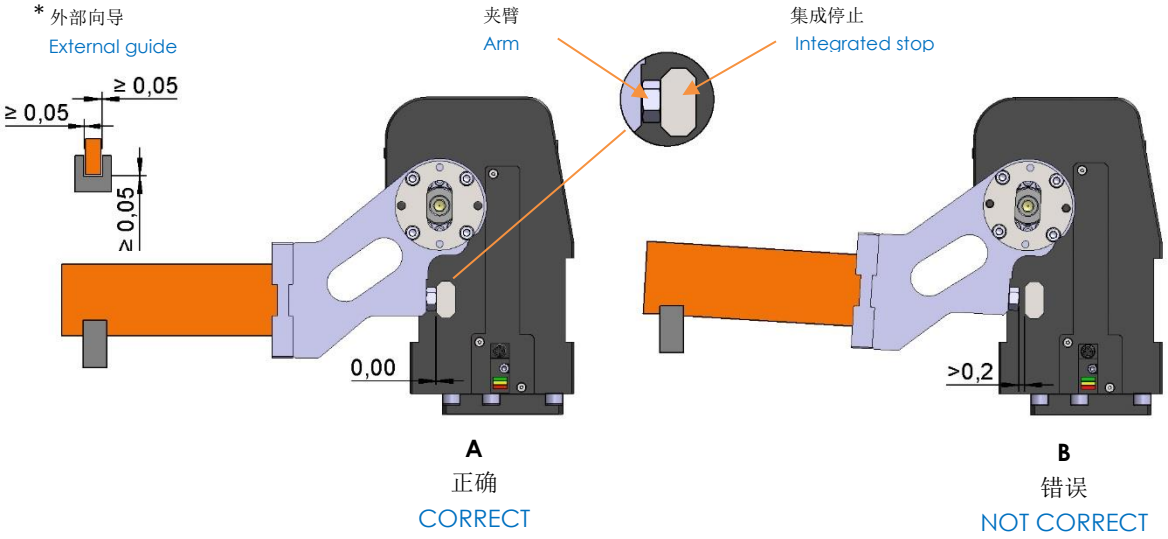
	RC200.2					
	V	V/LS	O	O/LS	R [mm]	T [mm]
15°	•	•	•	•	255,5	634
30°	•	•	•	•	276,5	655
45°	•	•	•	•	294	672,5
60°	•	•	•	•	310,5	689
75°	•	•	•	•	327	705,5
80°	•	•	•	•	332,5	711
90°	•	•	•		343	721,5
105°	•	•	•		358	736,5
120°	•	•	•		370,5	749
135°	•	•			379	758

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

减震， 外部停止向导
Shock absolver, external stop guide.

请确保翻转单元完成了整个气缸行程直到关闭位置 (0°)。任何外部物体的干涉可能对翻转单元及安装在单元上的装备造成严重损坏。
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.

不建议使用外部限位器和减震器，因为它们会对装置的使用寿命产生负面影响。
The use of external stops and shock absorbers is not recommended as they can have negative effects on the life of the unit.



正确使用 (图 A):
CORRECT USE (picture A):
正确使用集成限位块。夹臂到限位块的距离 = 0。
Integrated stop is used. The distance between the arm and the integrated stop = 0.

错误使用 (图 B):
WRONG USE (picture B):
使用外部限位达不到 0° 位置。（夹臂到限位块的距离大于 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).

如果要使用外部导向, 必须保证以下几个要素:

- 翻转单元必须完全达到关闭位置
- 必须保持以上措施 (* 外部向导)
- 禁止将其当作外部限位使用

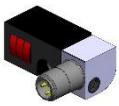
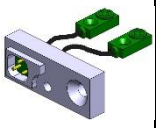
If external guides are used, the following points must be guaranteed:

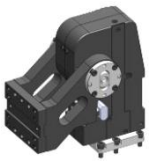
- The swivel unit must fully reach the closed position
- The above measures must be maintained (* external guides)
- They must not be used as external stops

如果不遵守上述要点, 我们保留取消质保的权利。
If the points indicated above are not respected, we reserve the right to void the warranty.

备件.

Spare parts.

配套元件 # Kit	图片 Picture	描述 Description		代号 Article
机械单元 Mechanical unit		机械单元 Mechanical unit	RCM100.2	**MPRCM1.2**
			RCM125.2	**MPRCM2.2-125**
			RCM160.2	**MPRCM2.2-160**
			RCM200.2	**MPRCM2.2-200**
接近开关 Proximity switch		Vep电感式接近开关 Proximity switch Vep	RCM100.2	**RFMSI – 1.2/L**
			RCM125.2	**RFMSI –125.2/L**
			RCM160.2	**RFMSI – 160.2/L**
			RCM200.2	**RFMSI – 200.2/L**
		P+F 电感式接近开关 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**
功率放大器 Power amplifier		功率放大器带红色 LED Power amplifier red LED	RCM100.2 RCM125.2/160.2/200.2	**3/413**
传感器卫星件 Sensor's satellite		传感器卫星件 Sensor's satellite	RCM100.2 RCM125.2/160.2/200.2	**3/417**
夹紧块 Clamping block		夹紧块 Clamping block	RCM100.2	**3/377**
			RCM125.2/160.2/200.2	**3/388**
配套夹臂 Arm assembly		夹臂组装类型 **V** Arm assembly type **V**	RCM100.2	**SPMLM-1V**
			RCM125.2/160.2/200.2	**SPMLM-2V**
		夹臂组装类型 **V/LS** Arm assembly type **V/LS**	RCM100.2	**SPMLM-1V/LS**
			RCM125.2/160.2/200.2	**SPMLM-2V/LS**
		夹臂组装类型 **O** Arm assembly type **O**	RCM100.2	**SPMLM-1O**
			RCM125.2/160.2/200.2	**SPMLM-2O**
		夹臂组装类型 **O/LS** Arm assembly type **O/LS**	RCM100.2	**SPMLM-1O/LS**
			RCM125.2/160.2/200.2	**SPMLM-2O/LS**
密封圈套装 Seals kit		气缸密封组件	RCM100.2	**SPCSR-100**
			RCM125.2	**SPCSR-125**
			RCM160.2	**SPCSR-160**
			RCM200.2	**SPCSR-200**

机械单元带夹臂和气缸连接适配器 **Mechanical unit with arms and cylinder adapter**		机械单元带**V**型夹臂和气缸连接适配器 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
		机械单元带 **V/LS**型夹臂和气缸连接适配器 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
		机械单元带**O**型夹臂和气缸连接适配器 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
		机械单元带**O/LS**型夹臂和气缸连接适配器 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
密封圈套装 **Seals kit**		气缸密封组件	RCM100.2	**SPCSR-100**
			RCM125.2	**SPCSR-125**
			RCM160.2	**SPCSR-160**
			RCM200.2	**SPCSR-200**
气缸 **Pneumatic Cylinder (Gas = G) (NPT = N)**		气缸 Pneumatic cylinder unit	RCM100.2	**SPRM100 (G)**
			RCM125.2	**SPRM125 (G)**
			RCM160.2	**SPRM160 (G)**
			RCM200.2	**SPRM200 (G)**

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