

2 指平动抓取手爪 / 2-Finger Parallel Gripper

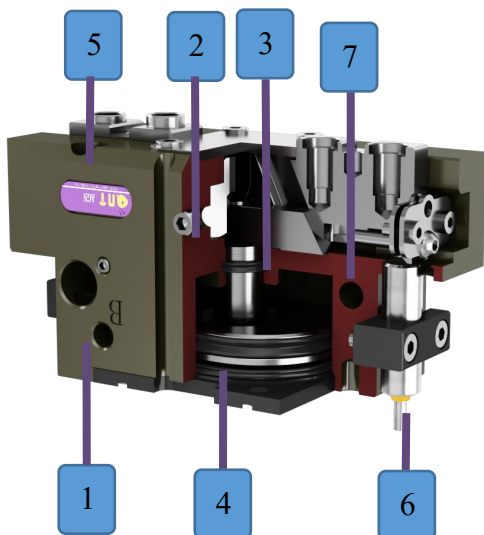
原理

- 压缩空气推动椭圆形活塞上下运动
- 楔形将驱动力转化为夹持力
- 滑块同步运动

Principle



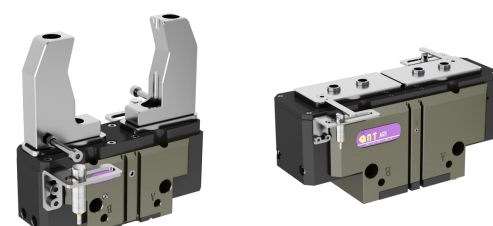
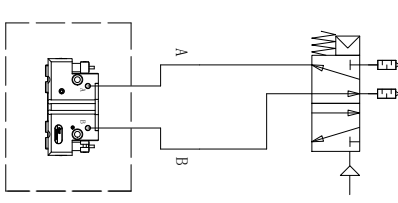
- The oval piston is moved up or down by means of compressed air
- High gripping force as a result of optimal direction change of driving force into gripping force
- Synchronous gripping movement of both base jaws

剖视图 / Sectional diagram

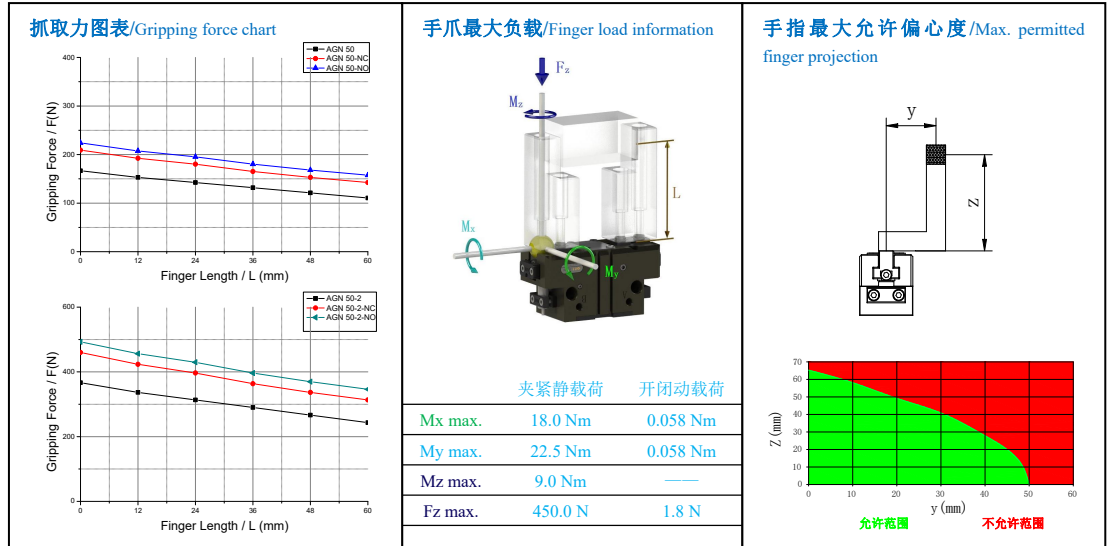


- 1 本体 Housing**
涂层处理的高强度铝合金
High-strength aluminum alloy, anodized
- 2 T 型导轨 T-slot guidance**
重负载导轨: 负载更长的手指长度
Heavy load rails, robust base jaw guidance for extremely long gripper fingers
- 3 传动方式 Transmission Model**
高动力传输
High power transmission
- 4 驱动部分 Energy supply**
大型椭圆形活塞, 提供更大的夹持力
Large oval piston: can have greater force
- 5 滑块 Jaw**
连接工件手指
For the connection of the workpiece-specific gripper fingers
- 6 传感系统 Sensor system**
接近式传感器
Of gripper jaw via proximity switch
- 7 可调感应块 Adjustable induction block**
便捷可调感应凸台
Convenience, adjustable switch cam

传感系统 Sensor system

<p>磁性传感器 / Magnetic Sensor (选购/Order)</p>  <table border="1" data-bbox="478 1276 798 1388"> <thead> <tr> <th>适用规格(NO.)</th> <th>所有规格</th> </tr> </thead> <tbody> <tr> <td>NPN</td> <td>WMS-M9N</td> </tr> <tr> <td>PNP</td> <td>WMS-M9P</td> </tr> </tbody> </table> <p>● 磁性传感器不适用于连接具有磁性的连接板或环境为磁场环境和环境温度大于 80°C 下使用 / The magnetic sensors are not suitable for connecting the magnetic plate or the environment is magnetic field and the temperature is greater than 80°C.</p>	适用规格(NO.)	所有规格	NPN	WMS-M9N	PNP	WMS-M9P	<p>接近开关 / Proximity switch (选购/Order)</p>  <table border="1" data-bbox="829 1433 1452 1545"> <thead> <tr> <th>适用规格(NO.)</th> <th>AGN 50/66/80/100/125</th> <th>AGN 160/180/260/300/380</th> </tr> </thead> <tbody> <tr> <td>NPN</td> <td>WPS-8GM18N</td> <td>WPS-8GM35N</td> </tr> <tr> <td>PNP</td> <td>WPS-8GM18P</td> <td>WPS-8GM35P</td> </tr> </tbody> </table>	适用规格(NO.)	AGN 50/66/80/100/125	AGN 160/180/260/300/380	NPN	WPS-8GM18N	WPS-8GM35N	PNP	WPS-8GM18P	WPS-8GM35P													
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<p>-F 系列接近开关 / Proximity switch (选购/Order)</p>  <table border="1" data-bbox="95 1881 813 2004"> <thead> <tr> <th>适用规格(NO.)</th> <th>AGN 50/66/80/100/125-F</th> <th>AGN 160/180/260/300/380-F</th> </tr> </thead> <tbody> <tr> <td>NPN</td> <td>WPS-8GM18N</td> <td>WPS-8GM35N</td> </tr> <tr> <td>PNP</td> <td>WPS-8GM18P</td> <td>WPS-8GM35P</td> </tr> </tbody> </table> <p>注: 规格为 50-125-F 系列手爪接近感应螺钉须安装在手指上</p>	适用规格(NO.)	AGN 50/66/80/100/125-F	AGN 160/180/260/300/380-F	NPN	WPS-8GM18N	WPS-8GM35N	PNP	WPS-8GM18P	WPS-8GM35P	<p>手爪气动连接原理图</p>  <p>手爪适配气管及电磁阀有效截面积建议值</p> <table border="1" data-bbox="845 1859 1436 2060"> <thead> <tr> <th rowspan="2">型号</th> <th colspan="4">AGN</th> </tr> <tr> <th>50/66/80</th> <th>100/125</th> <th>180/260</th> <th>300~380</th> </tr> </thead> <tbody> <tr> <td>气管直径 (mm)</td> <td>≥4</td> <td>≥6</td> <td>≥8</td> <td>≥10</td> </tr> <tr> <td>电磁阀有效截面积 (Cv/mm²)</td> <td>≥17.0</td> <td>≥17.0</td> <td>≥28.0</td> <td>≥48.0</td> </tr> </tbody> </table>	型号	AGN				50/66/80	100/125	180/260	300~380	气管直径 (mm)	≥4	≥6	≥8	≥10	电磁阀有效截面积 (Cv/mm ²)	≥17.0	≥17.0	≥28.0	≥48.0
适用规格(NO.)	AGN 50/66/80/100/125-F	AGN 160/180/260/300/380-F																											
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电磁阀有效截面积 (Cv/mm ²)	≥17.0	≥17.0	≥28.0	≥48.0																									

AGN 50



❖所有参数为气压 6bar 下测试/All data measured at 6bar

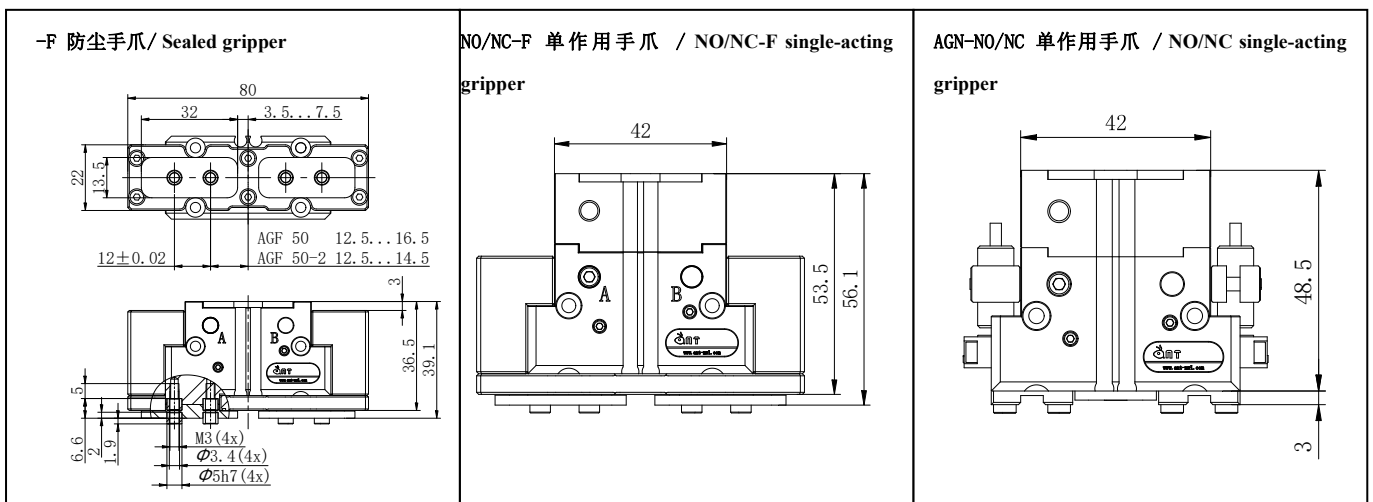
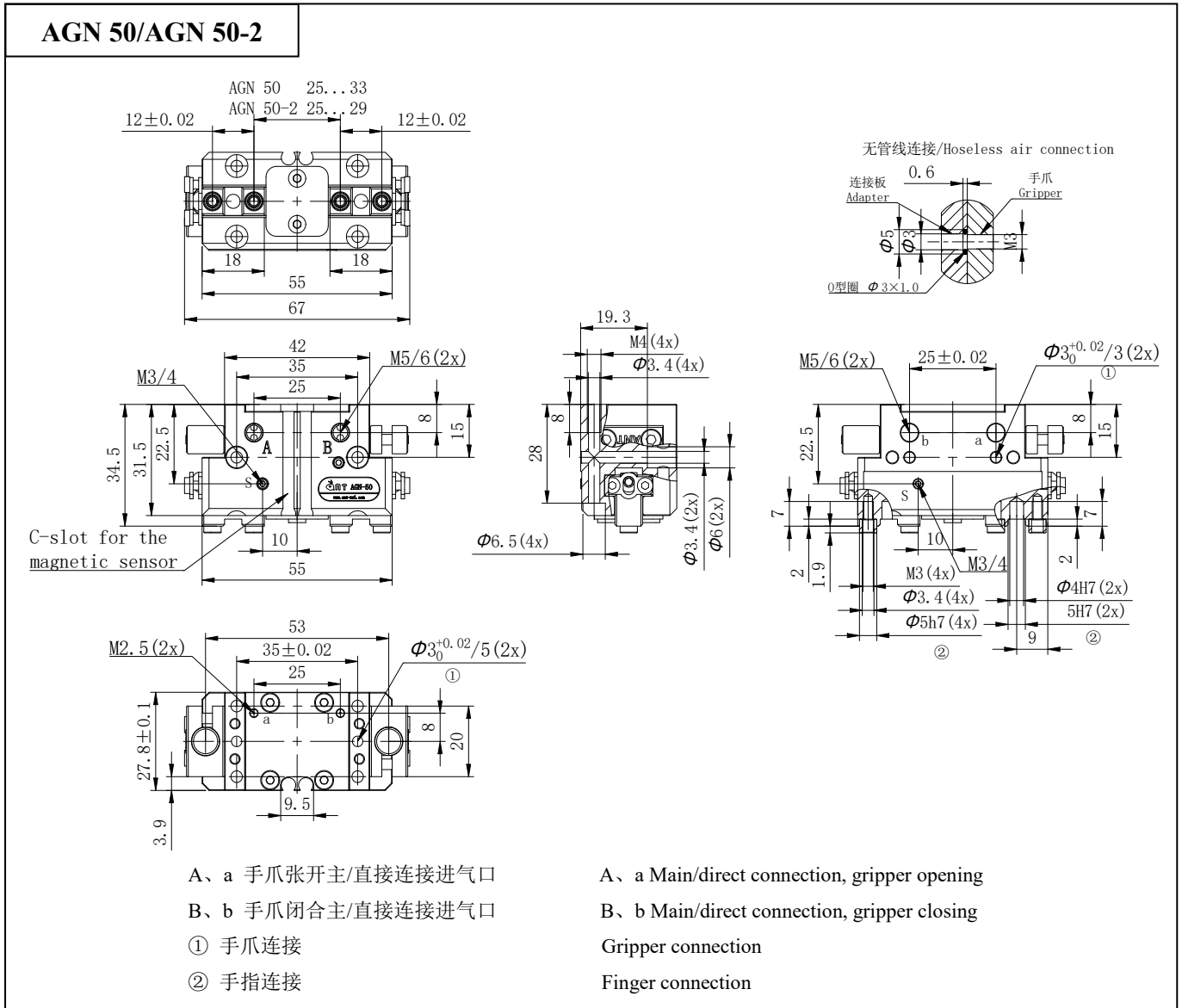
技术资料/Technical data

Description	AGN 50	AGN 50-NC	AGN 50-NO	AGN 50-2	AGN 50-2-NC	AGN 50-2-NO
手指单边行程 Stroke per finger	mm	4	4	4	2	2
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	28*P	35*P	62.5*P	75*P
	6bar 气压下夹持力	N	168	210	375	450
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	30*P	37.5*P	68*P	80.5*P
	6bar 气压下夹持力	N	180	225	408	483
断气最小夹持力 Min. gripping force without pressure air	N		40	40	90	90
使用压力范围 Max./Min. operating pressure	bar			3/8		
自重 Self weight	Kg	0.14	0.17	0.18	0.14	0.17
空气消耗量/周期 Air consumption per double stroke	cm ³	4.1	18.27	18.27	4.1	18.27
开/闭时间 Closing/opening time	s	0.02/0.02	0.025/0.15	0.15/0.025	0.02/0.02	0.03/0.15
重复精度 Repeat accuracy	mm			0.02		
最大手指长度 Max. permitted finger length	mm	64	58	58	58	55
单个手指最大重量 Max. permitted weight per finger	Kg	0.18	0.18	0.18	0.18	0.18
适应最小/最大环境温度 Min./Max. ambient temperature	°C			标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class				标准型 (无) : IP 45 密封型 (-F) : IP 66		

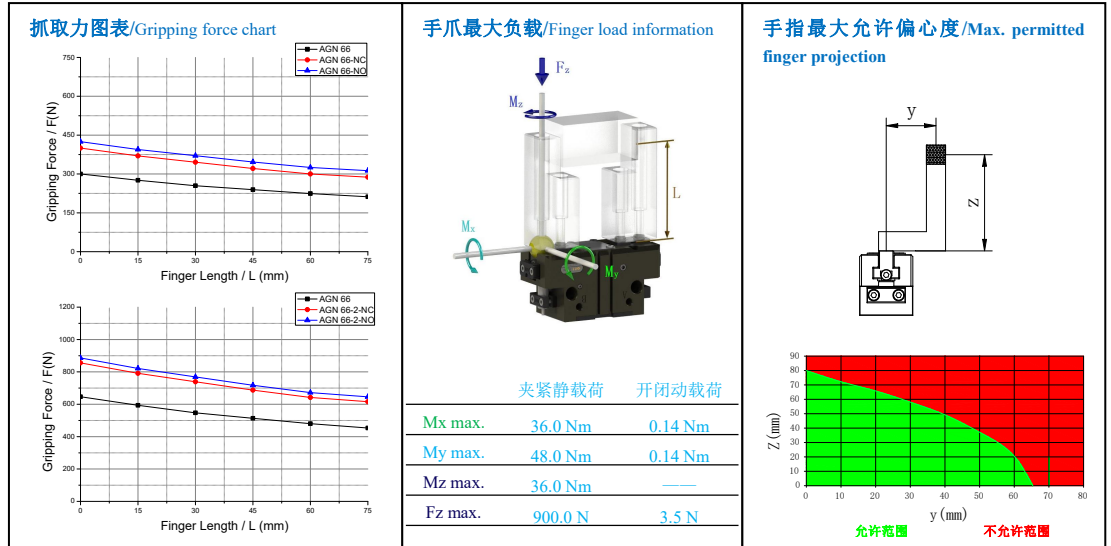
◇P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

◇P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions



AGN 66



❖所有参数为气压 6bar 下测试/All data measured at 6bar

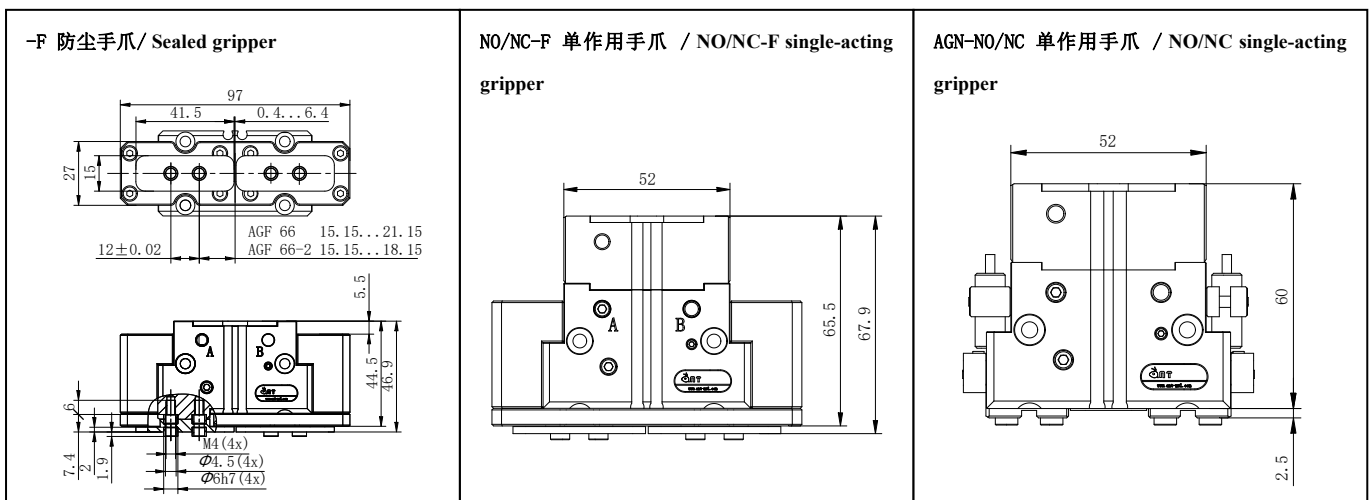
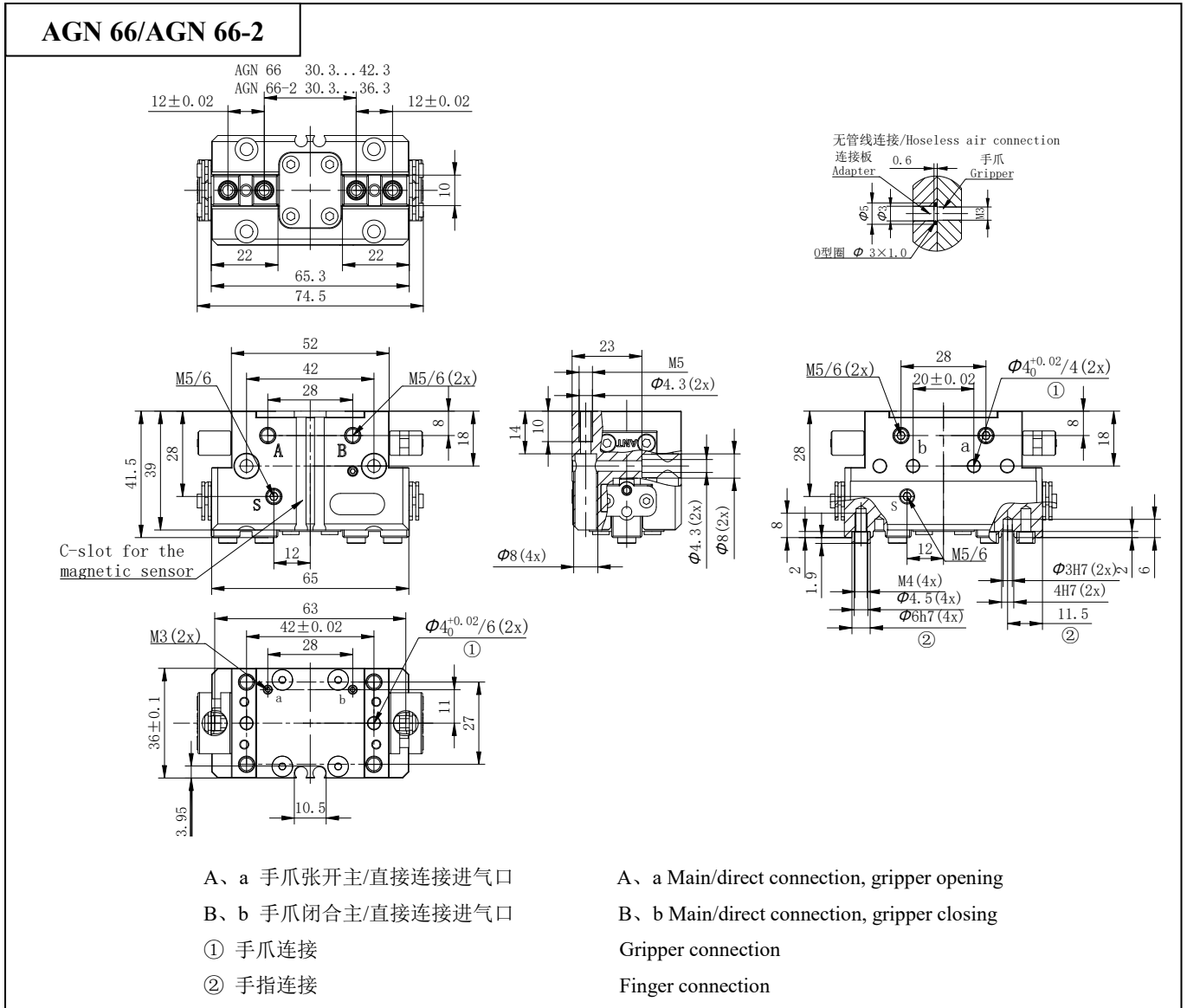
技术资料/Technical data

Description	AGN 66	AGN 66-NC	AGN 66-NO	AGN 66-2	AGN 66-2-NC	AGN 66-2-NO
手指单边行程 Stroke per finger	mm	6	6	6	3	3
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	50*P	66*P	110*P	150*P
	6bar 气压下夹持力	N	300	396	660	900
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	54*P	70*P	120*P	158*P
	6bar 气压下夹持力	N	324	420	720	948
断气最小夹持力 Min. gripping force without pressure air	N		100	100	240	240
使用压力范围 Max./Min. operating pressure	bar			3/8		
自重 Self weight	Kg	0.27	0.33	0.33	0.27	0.33
空气消耗量/周期 Air consumption per double stroke	cm ³	10.2	36	36	10.2	36
开/闭时间 Closing/opening time	s	0.03/0.03	0.04/0.025	0.025/0.04	0.03/0.03	0.05/0.03
重复精度 Repeat accuracy	mm			0.02		
最大手指长度 Max. permitted finger length	mm	80	72	72	72	72
单个手指最大重量 Max. permitted weight per finger	Kg	0.35	0.35	0.35	0.35	0.35
适应最小/最大环境温度 Min./Max. ambient temperature	°C			标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class				标准型 (无) : IP 45 密封型 (-F) : IP 66		

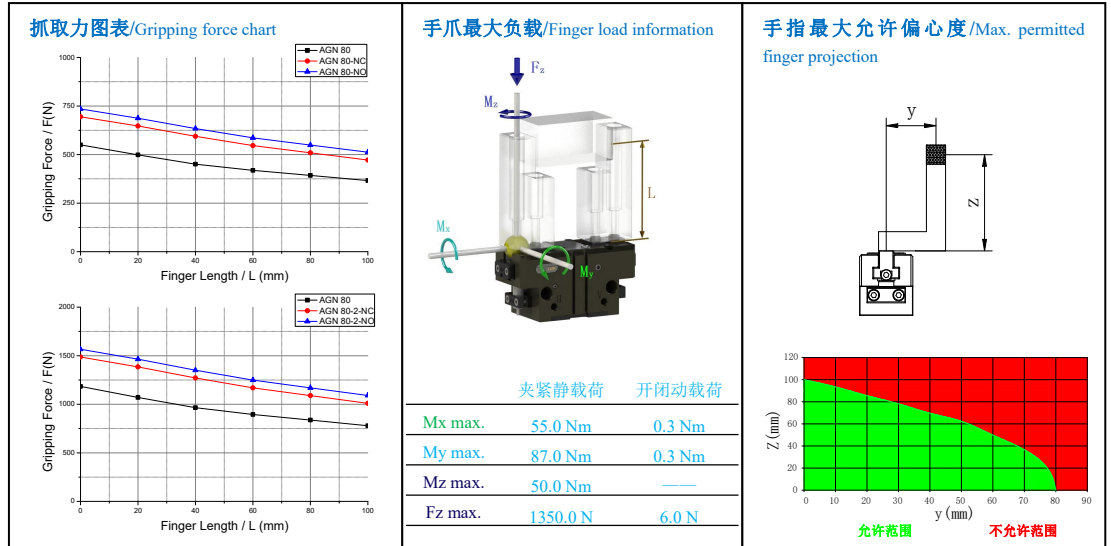
❖P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

❖P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions



AGN 80



❖所有参数为气压 6bar 下测试/All data measured at 6bar

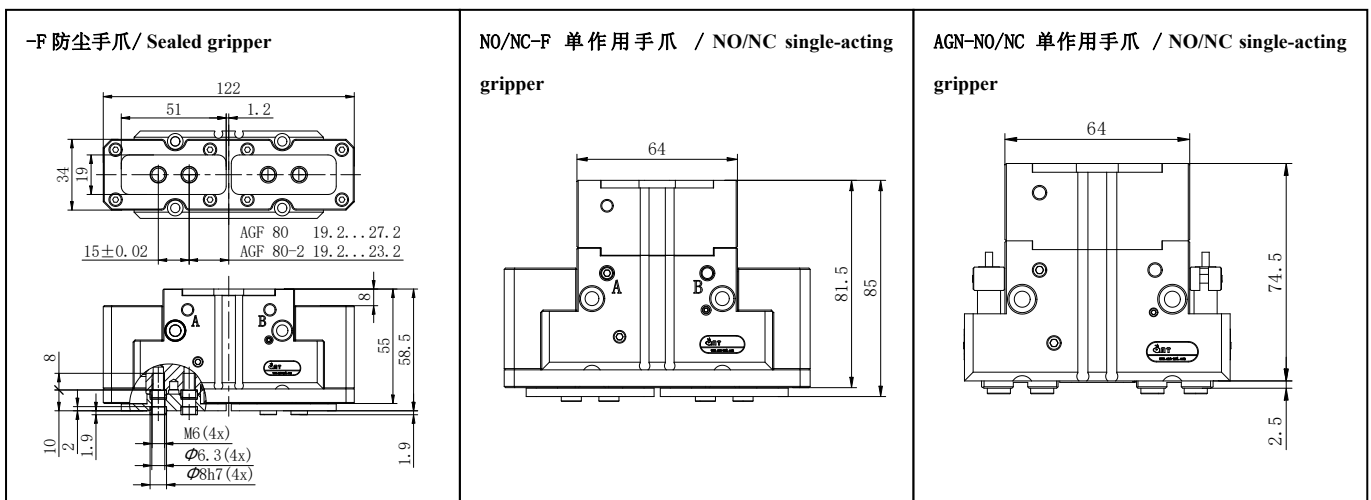
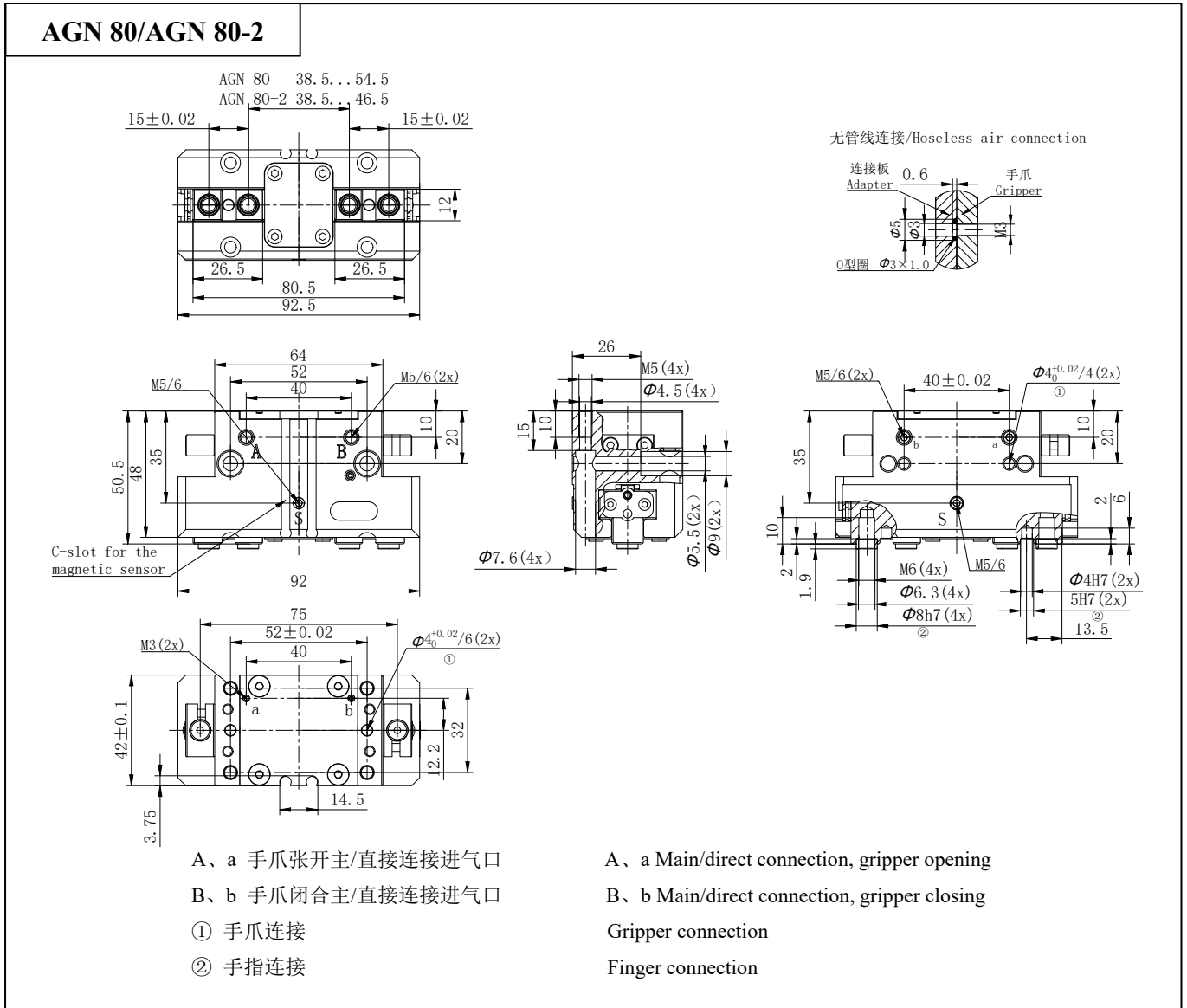
技术资料/Technical data

Description		AGN 80	AGN 80-NC	AGN 80-NO	AGN 80-2	AGN 80-2-NC	AGN 80-2-NO
手指单边行程 Stroke per finger	mm	8	8	8	4	4	4
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	92*P	117*P	205*P	260*P	
	6bar 气压下夹持力	N	552	706	1230	1560	
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	100*P		120*P	220*P	276*P
	6bar 气压下夹持力	N	600		750	1320	1656
断气最小夹持力 Min. gripping force without pressure air	N		155	155		330	330
使用压力范围 Max./Min. operating pressure	bar				3/8		
自重 Self weight	Kg	0.49	0.62	0.62	0.49	0.62	0.62
空气消耗量/周期 Air consumption per double stroke	cm ³	25.2	44.5	44.5	25.2	44.5	44.5
开/闭时间 Closing/opening time	s	0.04/0.04	0.05/0.03	0.03/0.05	0.03/0.03	0.05/0.03	0.03/0.05
重复精度 Repeat accuracy	mm				0.02		
最大手指长度 Max. permitted finger length	mm	100	90	90	90	90	90
单个手指最大重量 Max. permitted weight per finger	Kg	0.6	0.6	0.6	0.6	0.6	0.6
适应最小/最大环境温度 Min./Max. ambient temperature	°C				标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class					标准型 (无) : IP 45 密封型 (-F) : IP 66		

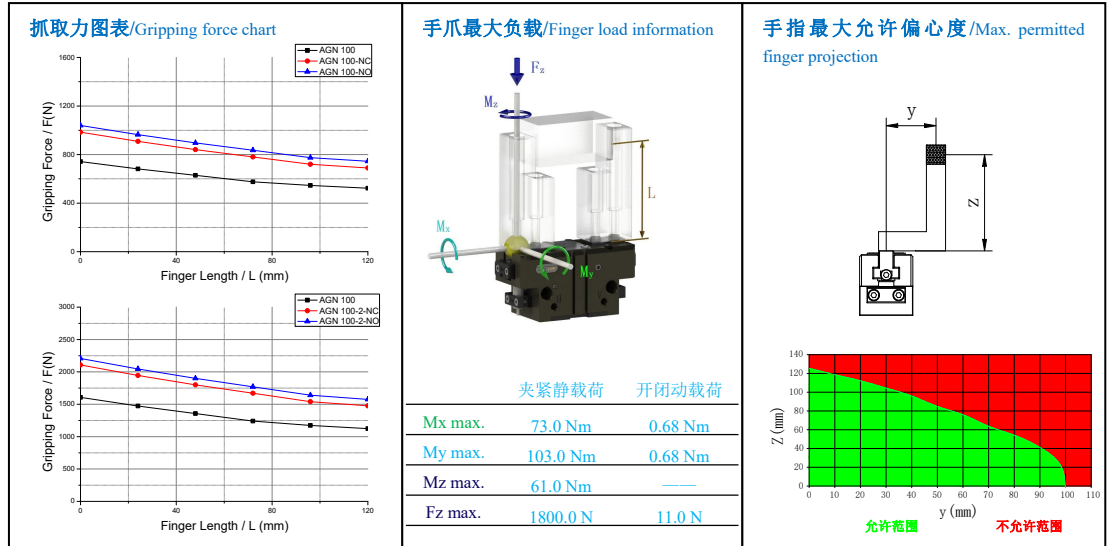
◇P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

◇P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions



AGN 100



❖所有参数为气压 6bar 下测试/All data measured at 6bar

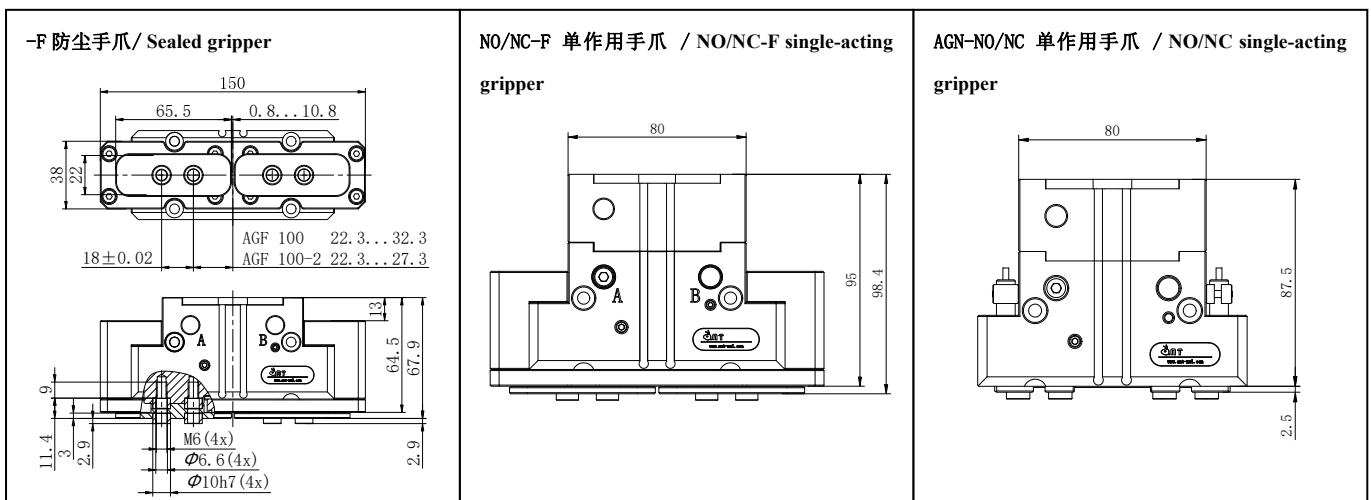
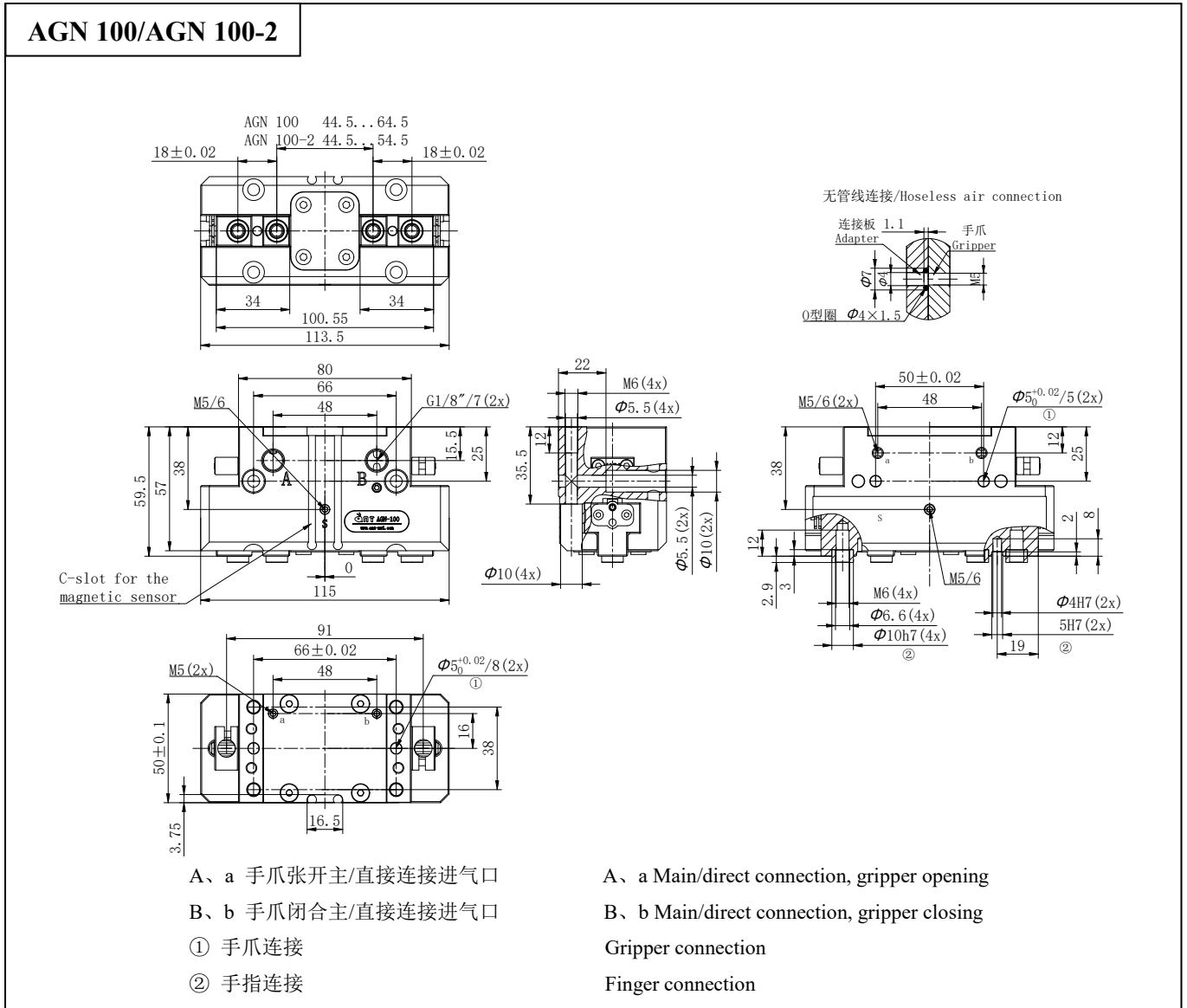
技术资料/Technical data

Description	AGN 100	AGN 100-NC	AGN 100-NO	AGN 100-2	AGN 100-2-NC	AGN 100-2-NO
手指单边行程 Stroke per finger	mm	10	10	10	5	5
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	128*P	169*P	275*P	366*P
	6bar 气压下夹持力	N	768	1014	1650	2200
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	136*P	177*P	295*P	390*P
	6bar 气压下夹持力	N	816	1062	1770	2340
断气最小夹持力 Min. gripping force without pressure air	N		250	250	570	570
使用压力范围 Max./Min. operating pressure	bar			3/8		
自重 Self weight	Kg	0.85	1.2	1.2	0.85	1.2
空气消耗量/周期 Air consumption per double stroke	cm ³	40	68	68	40	68
开/闭时间 Closing/opening time	s	0.07/0.07	0.09/0.06	0.06/0.09	0.06/0.06	0.1/0.07
重复精度 Repeat accuracy	mm			0.02		
最大手指长度 Max. permitted finger length	mm	160	115	115	115	115
单个手指最大重量 Max. permitted weight per finger	Kg	1.1	1.1	1.1	1.1	1.1
适应最小/最大环境温度 Min./Max. ambient temperature	°C			标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class				标准型 (无) : IP 45 密封型 (-F) : IP 66		

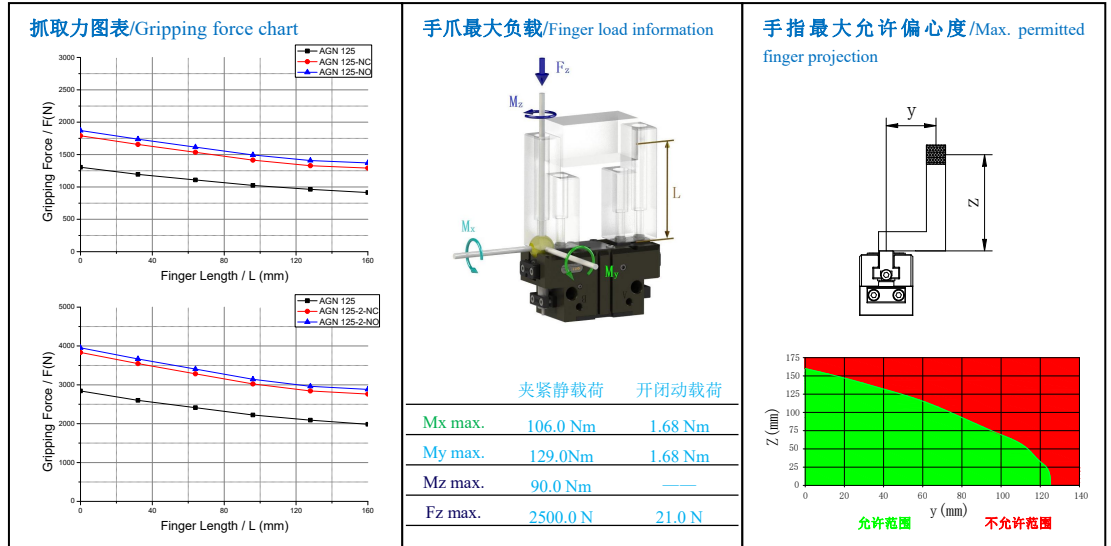
◇P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

◇P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions



AGN 125



❖所有参数为气压 6bar 下测试/All data measured at 6bar

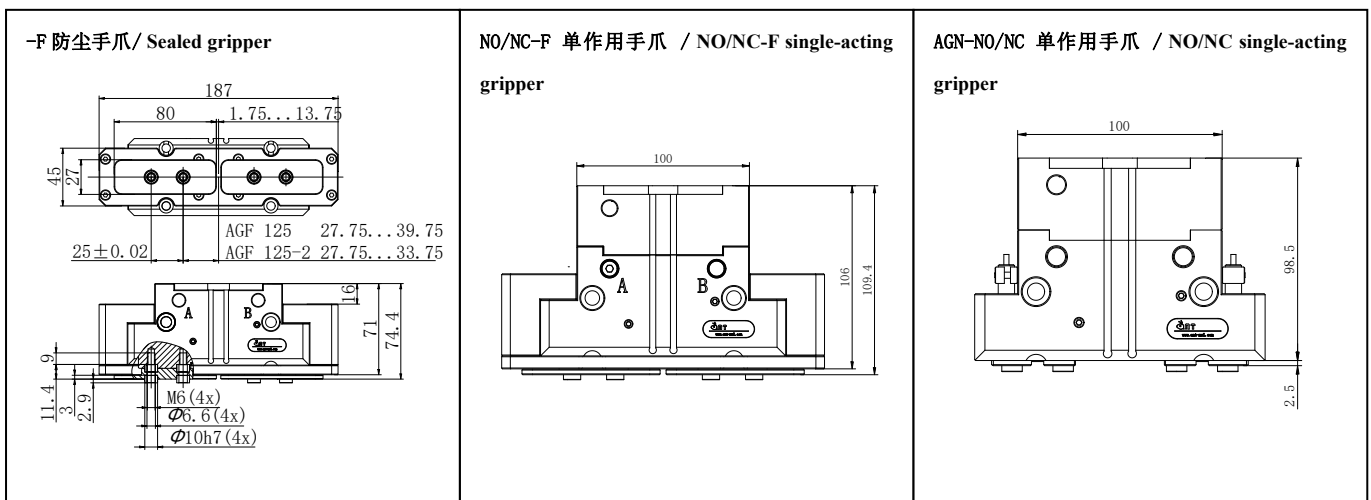
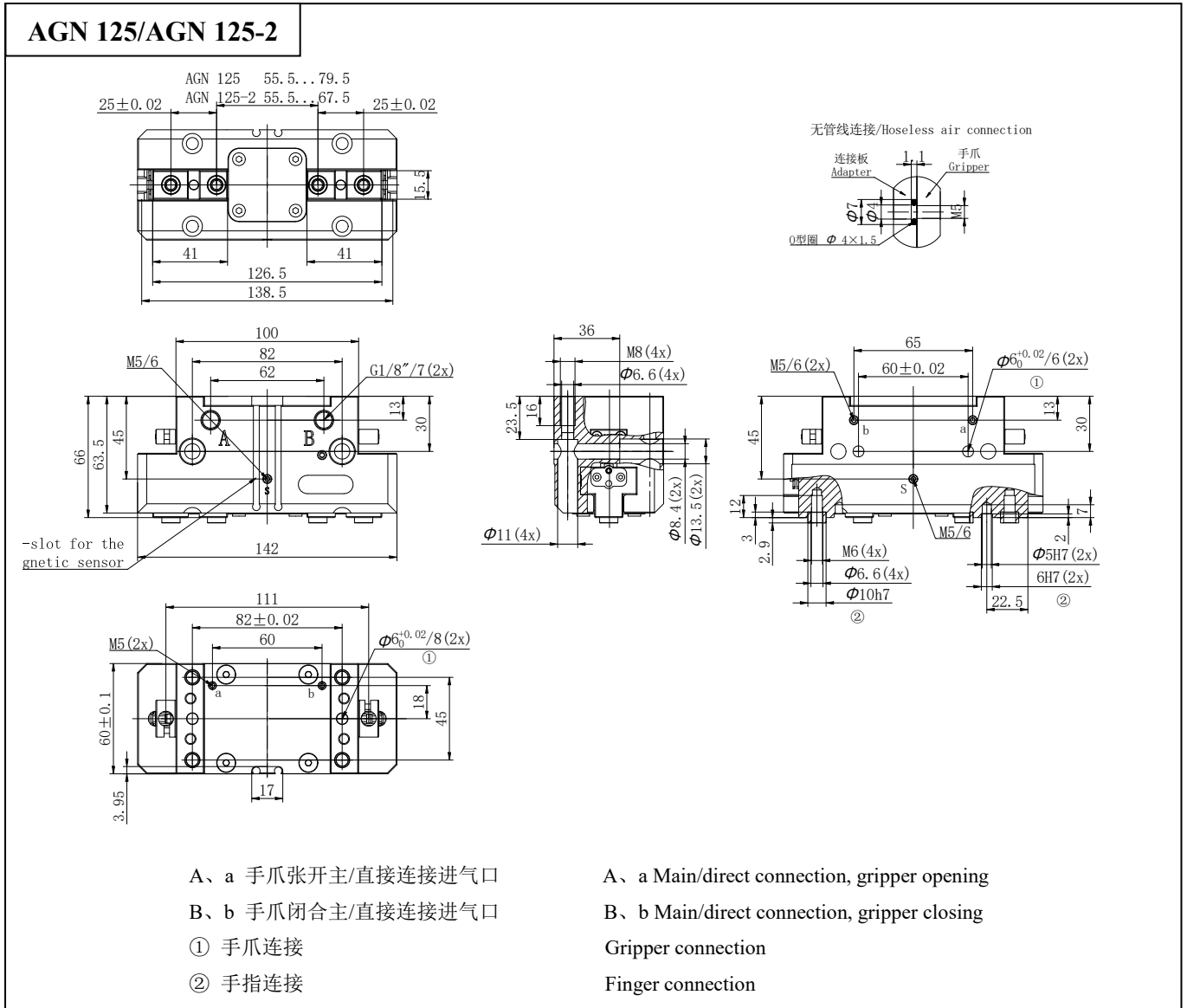
技术资料/Technical data

Description	AGN 125	AGN 125-NC	AGN 125-NO	AGN 125-2	AGN 125-2-NC	AGN 125-2-NO
手指单边行程 Stroke per finger	mm	12	12	12	6	6
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	203*P	284*P	480*P	645*P
	6bar 气压下夹持力	N	1218	1704	2880	3870
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	216*P	297*P	505*P	688*P
	6bar 气压下夹持力	N	1296	1782	3030	4128
断气最小夹持力 Min. gripping force without pressure air	N		490	490		1100
使用压力范围 Max./Min. operating pressure	bar			3/8		
自重 Self weight	Kg	1.5	1.9	1.8	1.5	1.9
空气消耗量/周期 Air consumption per double stroke	cm ³	80	148	148	80	148
开/闭时间 Closing/opening time	s	0.1/0.1	0.12/0.08	0.08/0.12	0.08/0.08	0.12/0.08
重复精度 Repeat accuracy	mm			0.02		
最大手指长度 Max. permitted finger length	mm	160	145	145	145	145
单个手指最大重量 Max. permitted weight per finger	Kg	2.1	2.1	2.1	2.1	2.1
适应最小/最大环境温度 Min./Max. ambient temperature	°C			标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class				标准型 (无) : IP 45 密封型 (-F) : IP 66		

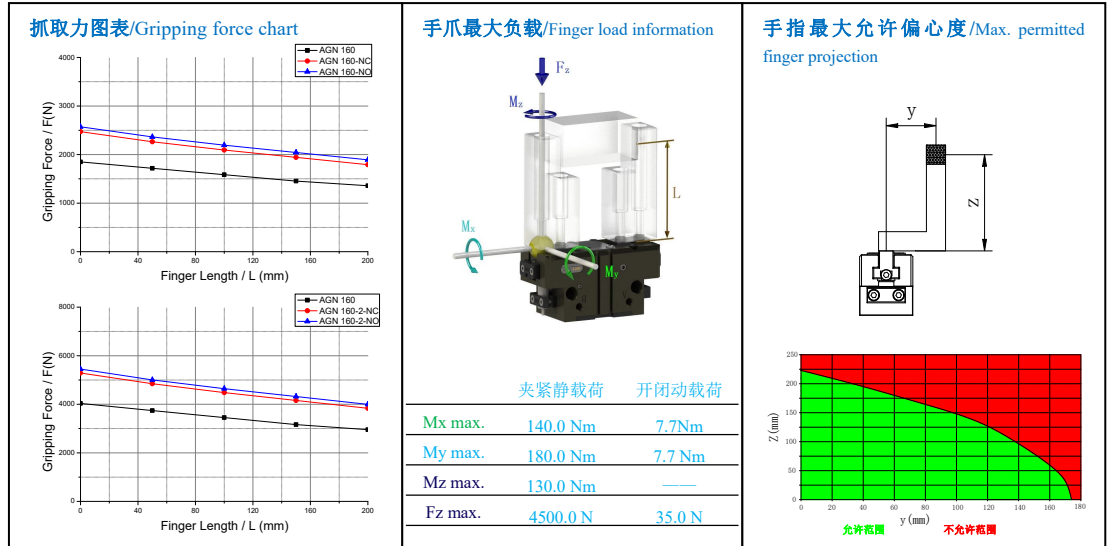
◇P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

◇P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions



AGN 160



❖所有参数为气压 6bar 下测试/All data measured at 6bar

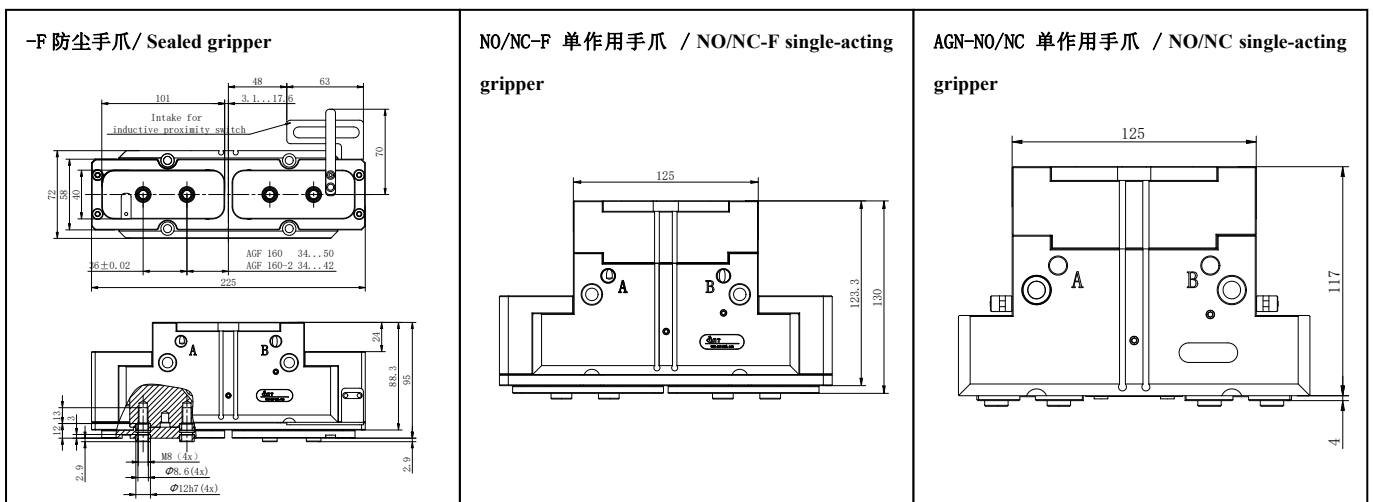
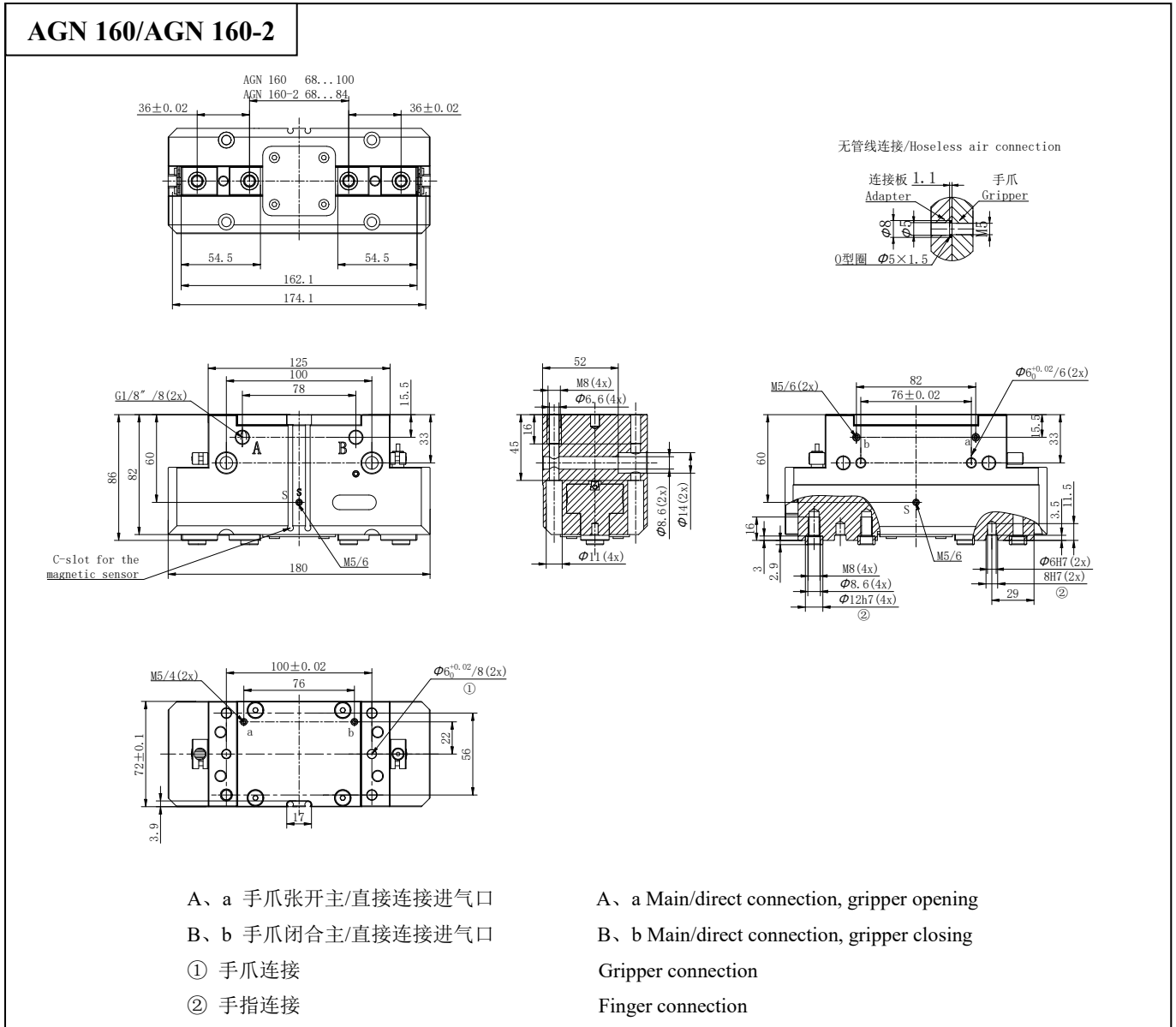
技术资料/Technical data

Description	AGN 160	AGN 160-NC	AGN 160-NO	AGN 160-2	AGN 160-2-NC	AGN 160-2-NO
手指单边行程 Stroke per finger	mm	16	16	16	8	8
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	310*P	415*P	690*P	925*P
	6bar 气压下夹持力	N	1860	2490	4140	5380
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	325*P	430*P	720*P	960*P
	6bar 气压下夹持力	N	1950	2580	4320	5760
断气最小夹持力 Min. gripping force without pressure air	N		650	650		1400
使用压力范围 Max./Min. operating pressure	bar			3/8		
自重 Self weight	Kg	2.9	3.4	3.3	2.9	3.4
空气消耗量/周期 Air consumption per double stroke	cm ³	268	477	477	268	477
开/闭时间 Closing/opening time	s	0.2/0.2	0.15/0.25	0.25/0.15	0.2/0.2	0.15/0.25
重复精度 Repeat accuracy	mm			0.02		
最大手指长度 Max. permitted finger length	mm	220	210	210	210	210
单个手指最大重量 Max. permitted weight per finger	Kg	3.5	3.5	3.5	3.5	3.5
适应最小/最大环境温度 Min./Max. ambient temperature	°C			标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class				标准型 (无) : IP 45 密封型 (-F) : IP 66		

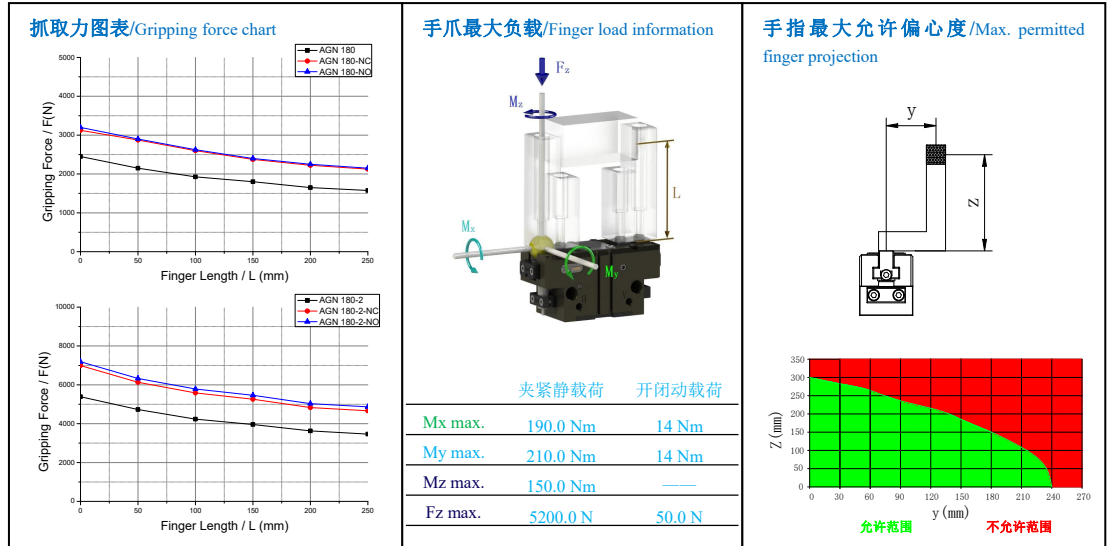
◇P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

◇P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions



AGN 180



❖所有参数为气压 6bar 下测试/All data measured at 6bar

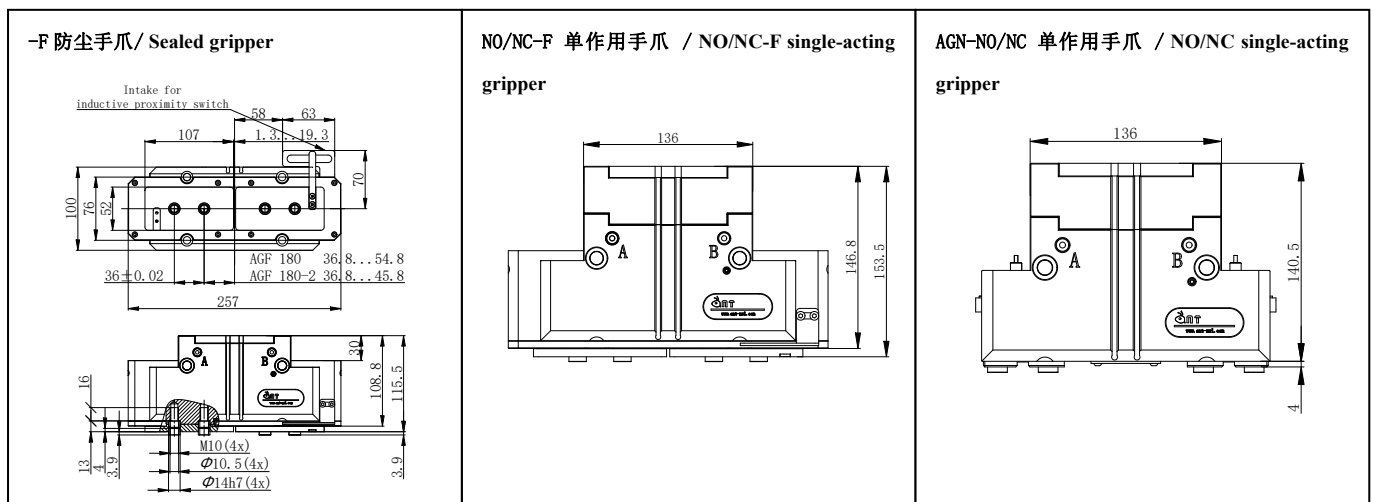
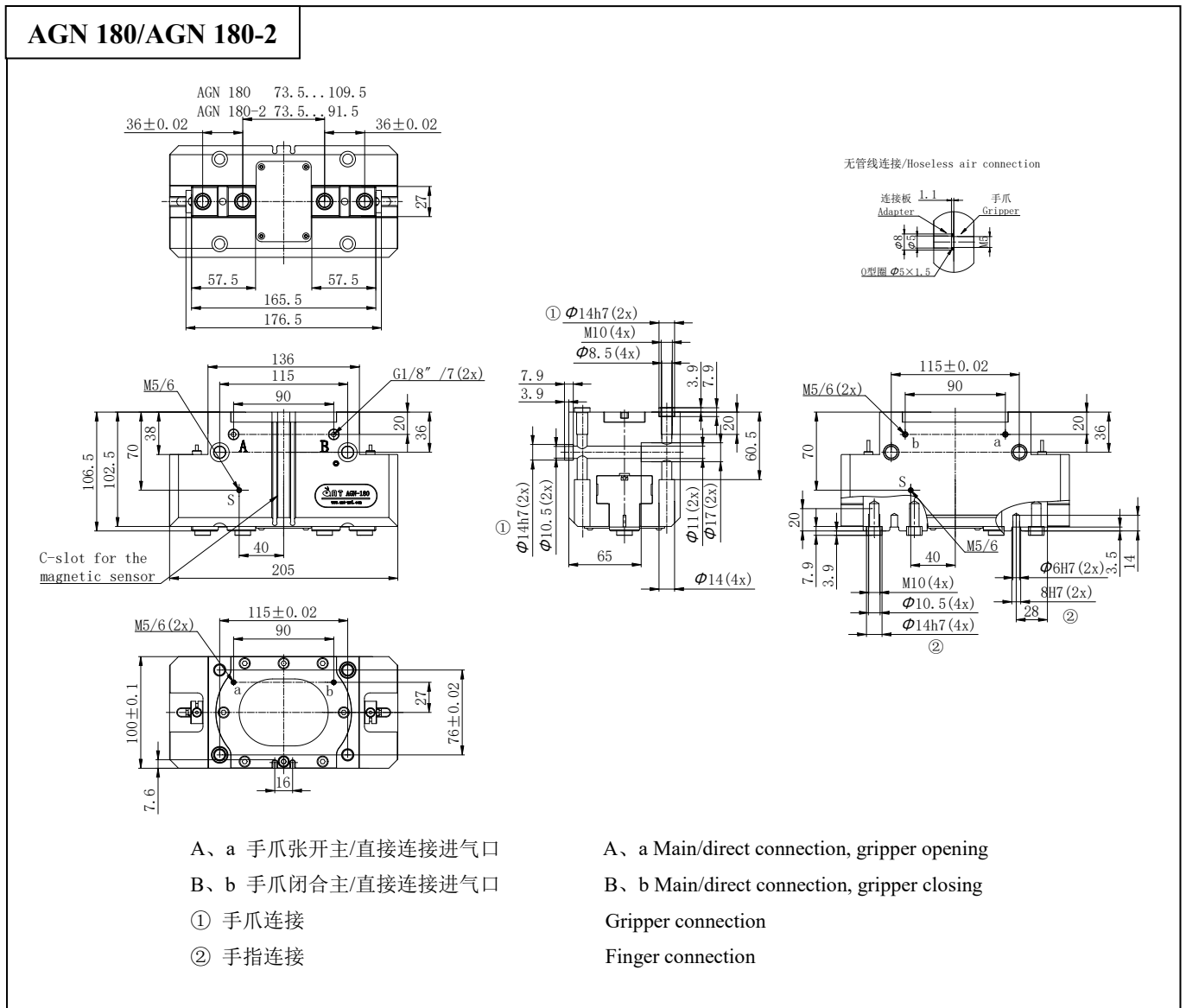
技术资料/Technical data

Description		AGN 180	AGN 180-NC	AGN 180-NO	AGN 180-2	AGN 180-2-NC	AGN 180-2-NO
手指单边行程 Stroke per finger	mm	18	18	18	9	9	9
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	417*P	520*P	845*P	1110*P	
	6bar 气压下夹持力	N	2502	3120	5070	6660	
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	445*P	558*P	910*P		1170*P
	6bar 气压下夹持力	N	2670	3348	5460		7020
断气最小夹持力 Min. gripping force without pressure air	N		850	850		1600	1600
使用压力范围 Max./Min. operating pressure	bar				3/8		
自重 Self weight	Kg	5.4	6.6	6.4	5.4	6.6	6.4
空气消耗量/周期 Air consumption per double stroke	cm ³	360	714	704	360	714	704
开/闭时间 Closing/opening time	s	0.5/0.5	0.7/0.5	0.5/0.7	0.4/0.4	0.7/0.5	0.5/0.7
重复精度 Repeat accuracy	mm				0.02		
最大手指长度 Max. permitted finger length	mm	280	250	250	250	250	250
单个手指最大重量 Max. permitted weight per finger	Kg	5	5	5	5	5	5
适应最小/最大环境温度 Min./Max. ambient temperature	°C				标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class					标准型 (无) : IP 45 密封型 (-F) : IP 66		

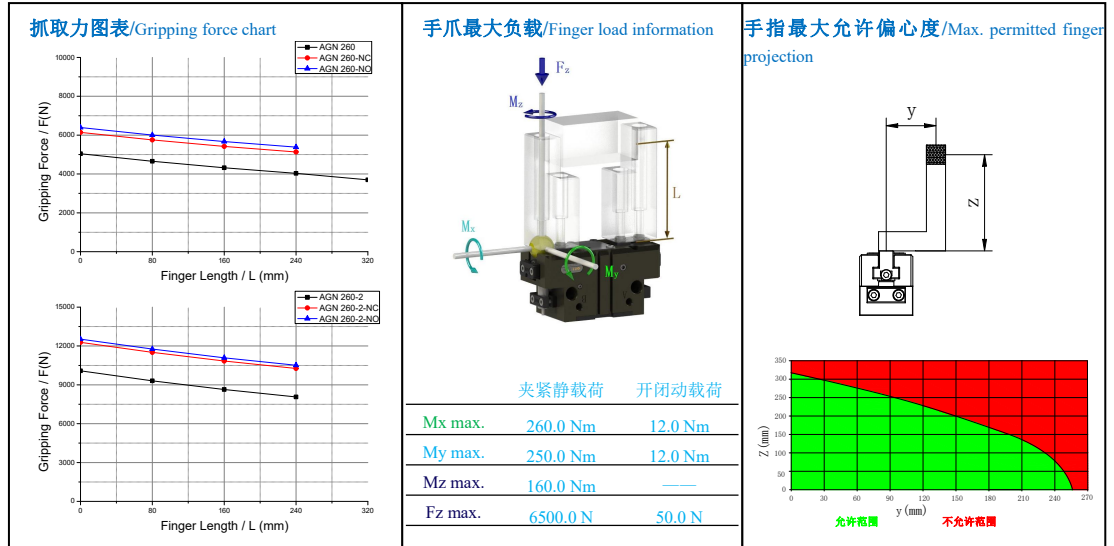
❖P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

❖P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions



AGN 260



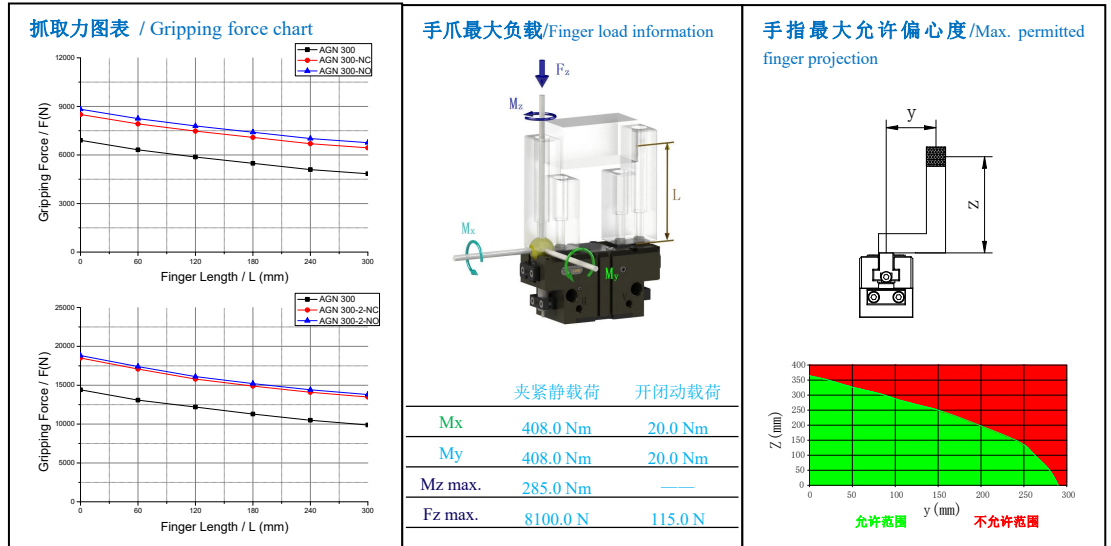
技术资料/Technical data

Description	AGN 260	AGN 260-NC	AGN 260-NO	AGN 260-2	AGN 260-2-NC	AGN 260-2-NO
手指单边行程 Stroke per finger	mm	26	26	26	15	15
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	810*P	990*P	1455*P	1830*P
	6bar 气压下夹持力	N	4860	5940	8730	10920
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	861*P	1025*P	1548*P	1923*P
	6bar 气压下夹持力	N	5166	6150	9288	11500
断气最小夹持力 Min. gripping force without pressure air	N		1100	1100	2200	2200
使用压力范围 Max./Min. operating pressure	bar			3/8		
自重 Self weight	Kg	9.5	11.5	11.5	9.5	11.5
空气消耗量/周期 Air consumption per double stroke	cm ³	603	1510	1510	603	1510
开/闭时间 Closing/opening time	s	0.5/0.5	0.7/0.5	0.5/0.7	0.4/0.4	0.7/0.5
重复精度 Repeat accuracy	mm			0.02		
最大手指长度 Max. permitted finger length	mm	320	280	280	280	280
单个手指最大重量 Max. permitted weight per finger	Kg	8.5	8.5	8.5	8.5	8.5
适应最小/最大环境温度 Min./Max. ambient temperature	°C			标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class				标准型 (无) : IP 45 密封型 (-F) : IP 66		

❖P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

❖P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

AGN 300



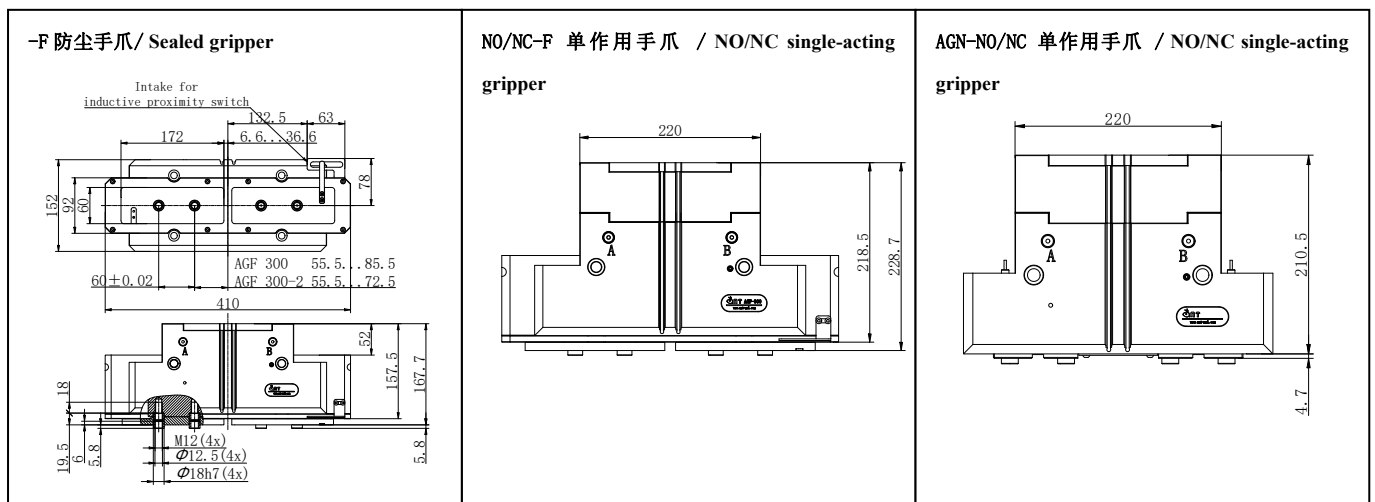
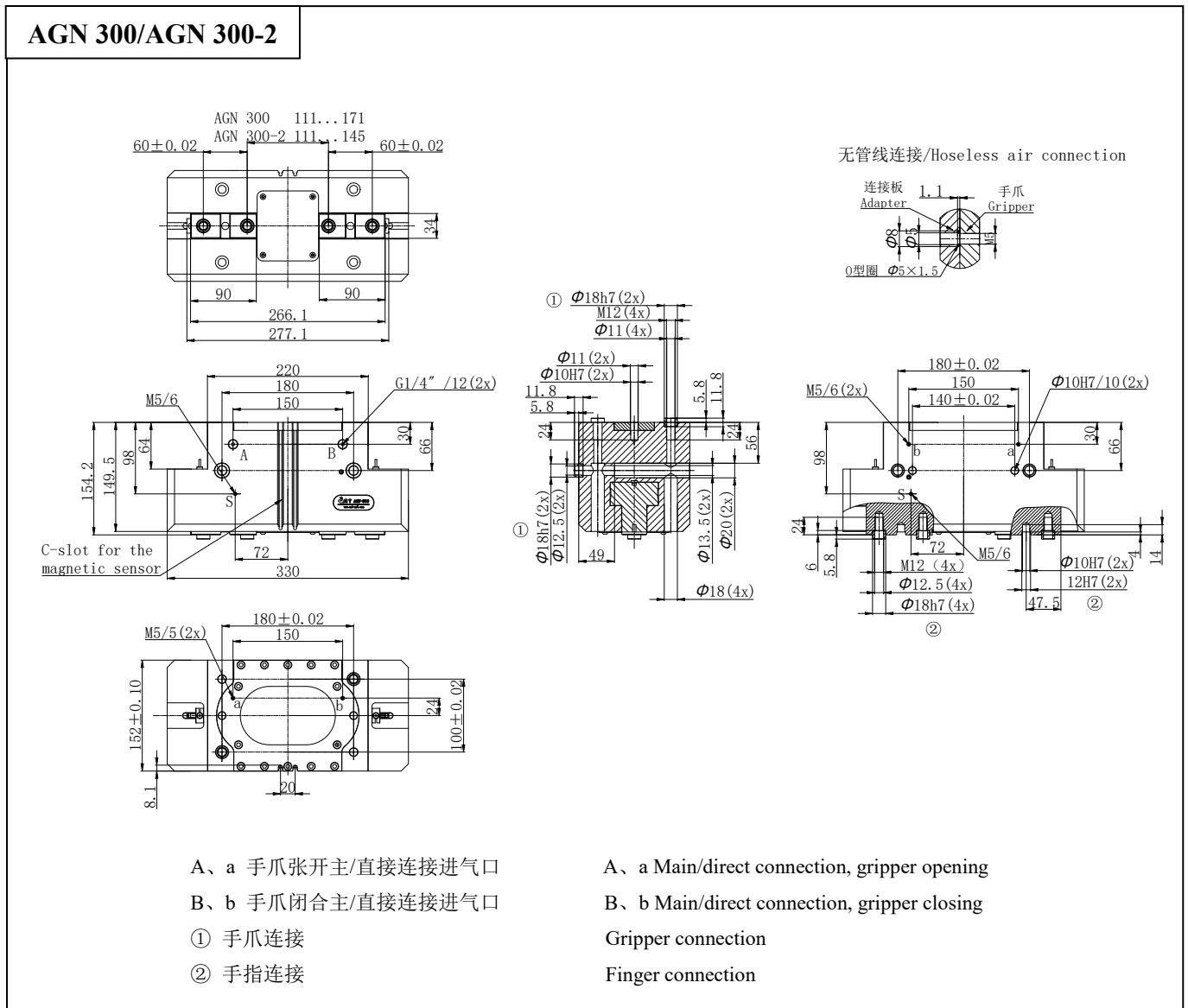
技术资料/Technical data

Description	AGN 300	AGN 300-NC	AGN 300-NO	AGN 300-2	AGN 300-2-NC	AGN 300-2-NO
手指单边行程 Stroke per finger	mm	30	30	30	17	17
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	1045*P	1272*P	2350*P	2920*P
	6bar 气压下夹持力	N	6270	7632	14100	17520
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	1088*P	1313*P	2450*P	3020*P
	6bar 气压下夹持力	N	6526	7878	14700	18120
断气最小夹持力 Min. gripping force without pressure air	N		1600	1600		3600
使用压力范围 Max./Min. operating pressure	bar			3/8		
自重 Self weight	Kg	18	22.8	22	18	22.8
空气消耗量/周期 Air consumption per double stroke	cm ³	1047	2620	2520	1047	2620
开/闭时间 Closing/opening time	s	0.55/0.55	1.0/0.5	0.5/1.0	0.5/0.5	1.0/0.5
重复精度 Repeat accuracy	mm			0.06		
最大手指长度 Max. permitted finger length	mm	350	310	310	310	310
单个手指最大重量 Max. permitted weight per finger	Kg	11.5	11.5	11.5	11.5	11.5
适应最小/最大环境温度 Min./Max. ambient temperature	°C			标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class				标准型 (无) : IP 45 密封型 (-F) : IP 66		

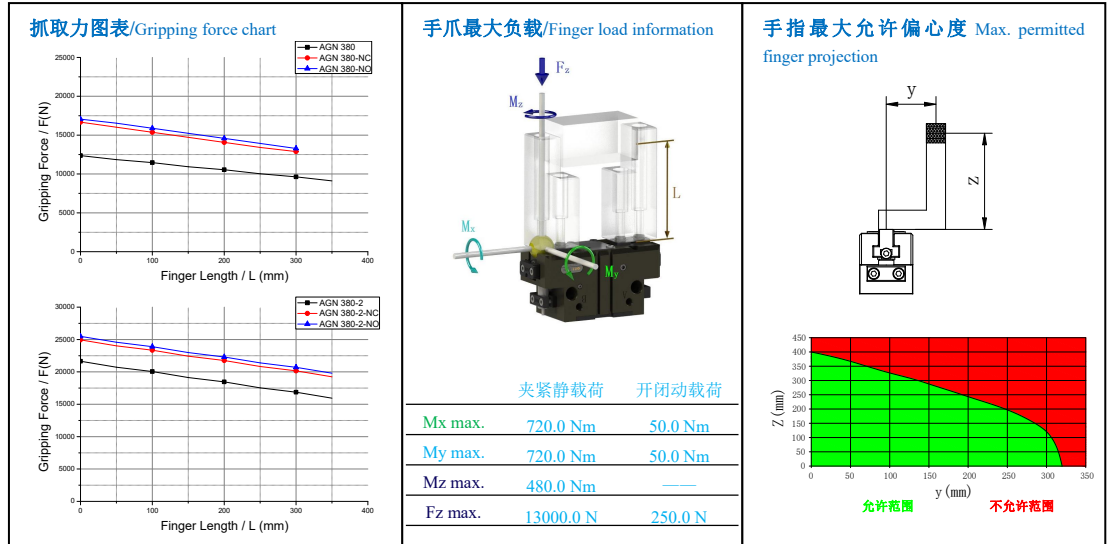
❖P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

❖P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions



AGN 380



❖所有参数为气压 6bar 下测试/All data measured at 6bar

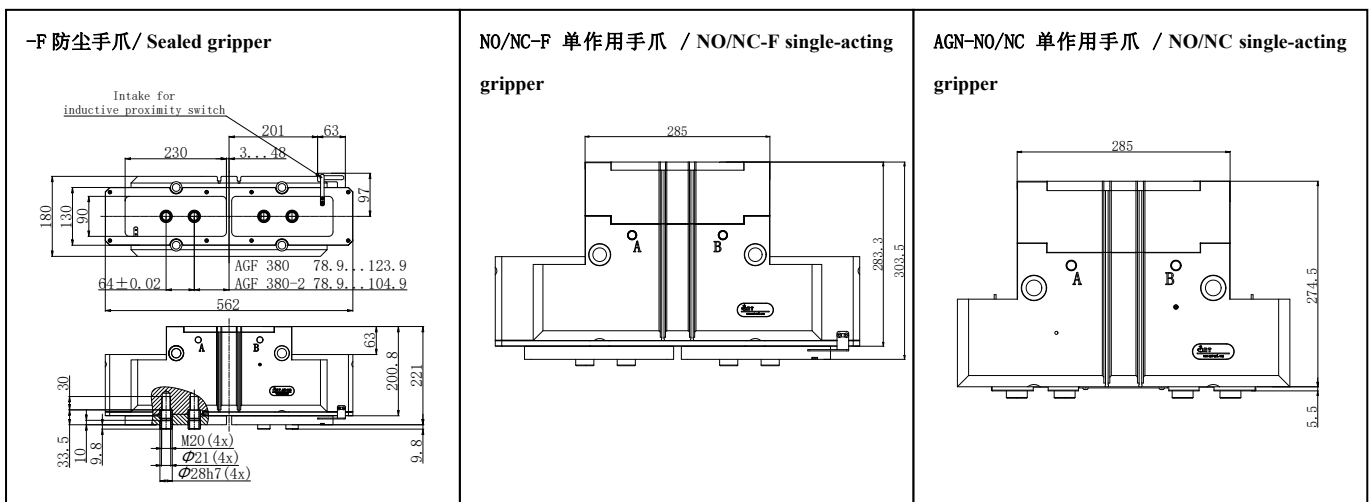
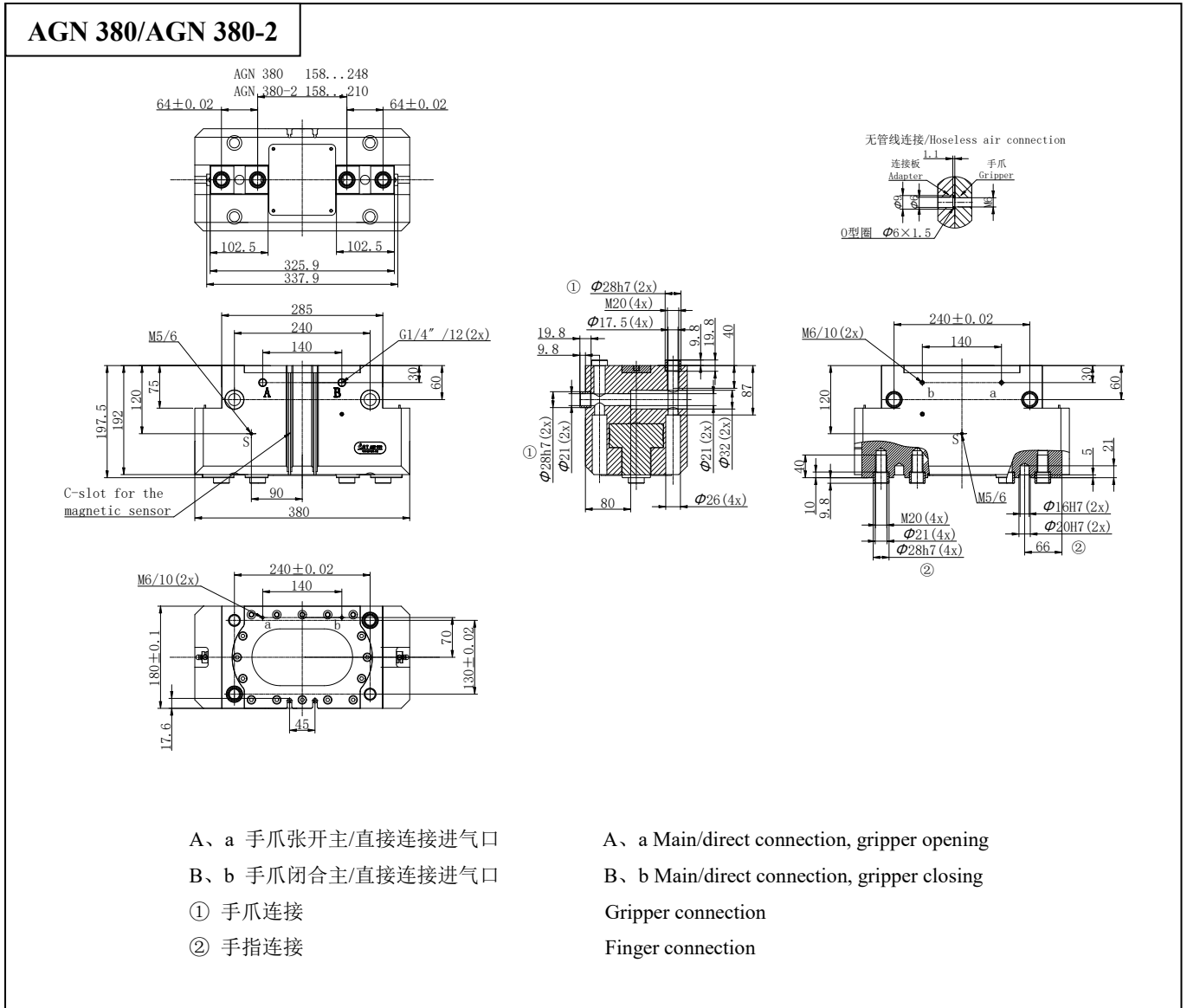
技术资料/Technical data

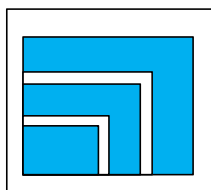
Description	AGN 380	AGN 380-NC	AGN 380-NO	AGN 380-2	AGN 380-2-NC	AGN 380-2-NO
手指单边行程 Stroke per finger	mm	45	45	45	26	26
理论夹持力-闭 Closing force	夹持力 $F=k*P$ (k:系数, P:bar)	N	2106*P	2656*P	3190*P	4150*P
	6bar 气压下夹持力	N	12636	15936	19140	24900
理论夹持力-开 Opening force	夹持力 $F=k*P$ (k:系数, P:bar)	N	2200*P	2750*P	3320*P	4280*P
	6bar 气压下夹持力	N	13200	16500	19920	25680
断气最小夹持力 Min. gripping force without pressure air	N		3300	3300	5800	5800
使用压力范围 Max./Min. operating pressure	bar			3/8		
自重 Self weight	Kg	32.5	40.5	39.1	32.5	40.5
空气消耗量/周期 Air consumption per double stroke	cm ³	1850	3801	3650	1850	3810
开/闭时间 Closing/opening time	s	1.0/1.0	1.5/0.8	0.8/1.5	0.8/0.8	1.5/0.8
重复精度 Repeat accuracy	mm			0.08		
最大手指长度 Max. permitted finger length	mm	400	350	350	350	350
单个手指最大重量 Max. permitted weight per finger	Kg	25	25	25	25	25
适应最小/最大环境温度 Min./Max. ambient temperature	°C			标准型 (无) : 5/80 高温型 (-R) : 5/200		
IP 等级 IP class				标准型 (无) : IP 45 密封型 (-F) : IP 66		

◇P: 空气压力[bar], 手指夹持工件作用点到手指安装面距离 L [mm] *重复精度: 连续动作 100 次后检测值

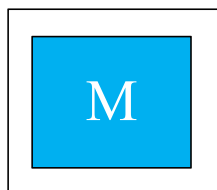
◇P: Pressure [bar], L:The distance from the point of the Finger gripping the workpiece to the finger mounting surface [mm] *Repeat accuracy is defined as the spread of the limit position after 100 consecutive strokes

尺寸图/Dimensions

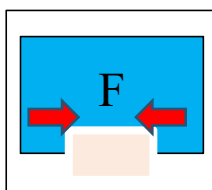




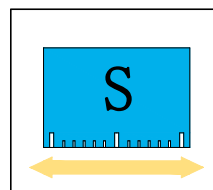
Sizes
66.....180



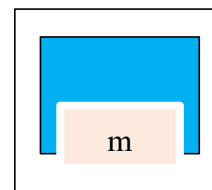
Weight
0.27...6.4Kg



Gripping Force
300...7020N

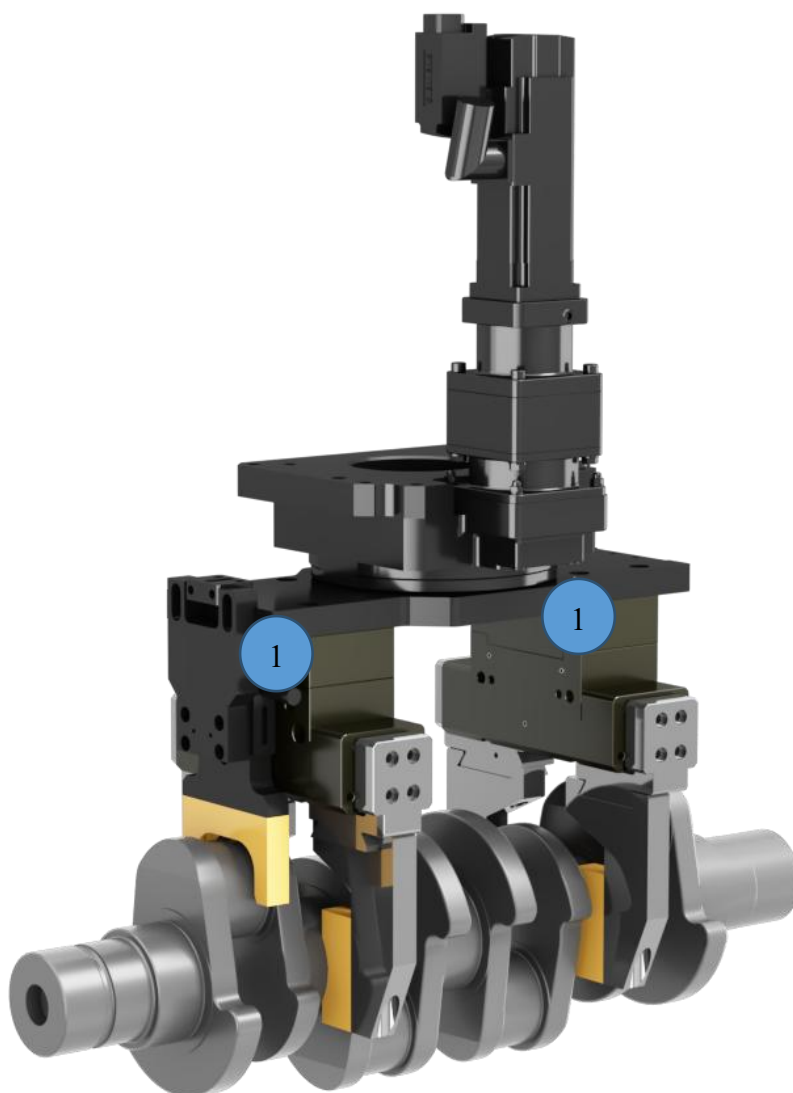


Stroke per finger
6...18mm



Workpiece weight
0.85...20Kg

应用案例 / Application example



③ AGP 160-NC 2 指平动密封型手爪 AGP 160-NC 2-Finger Parallel seal Gripper series