

AN系列按钮式流体连接器

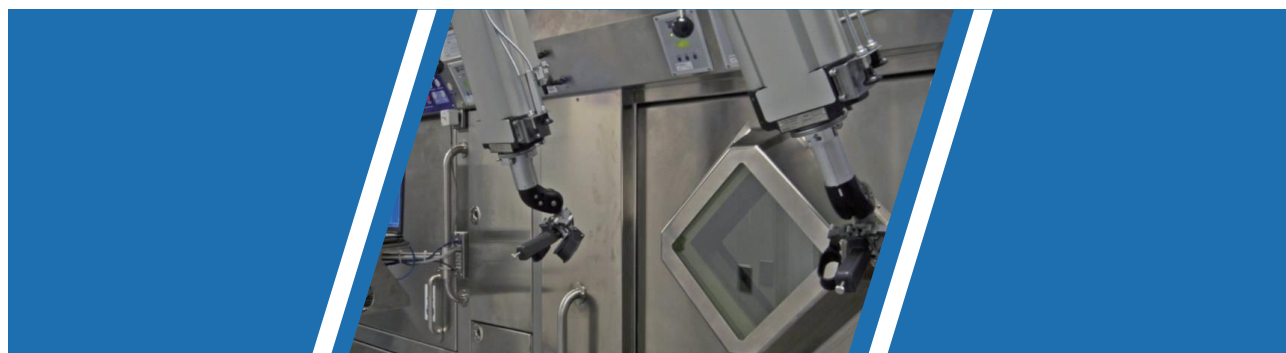


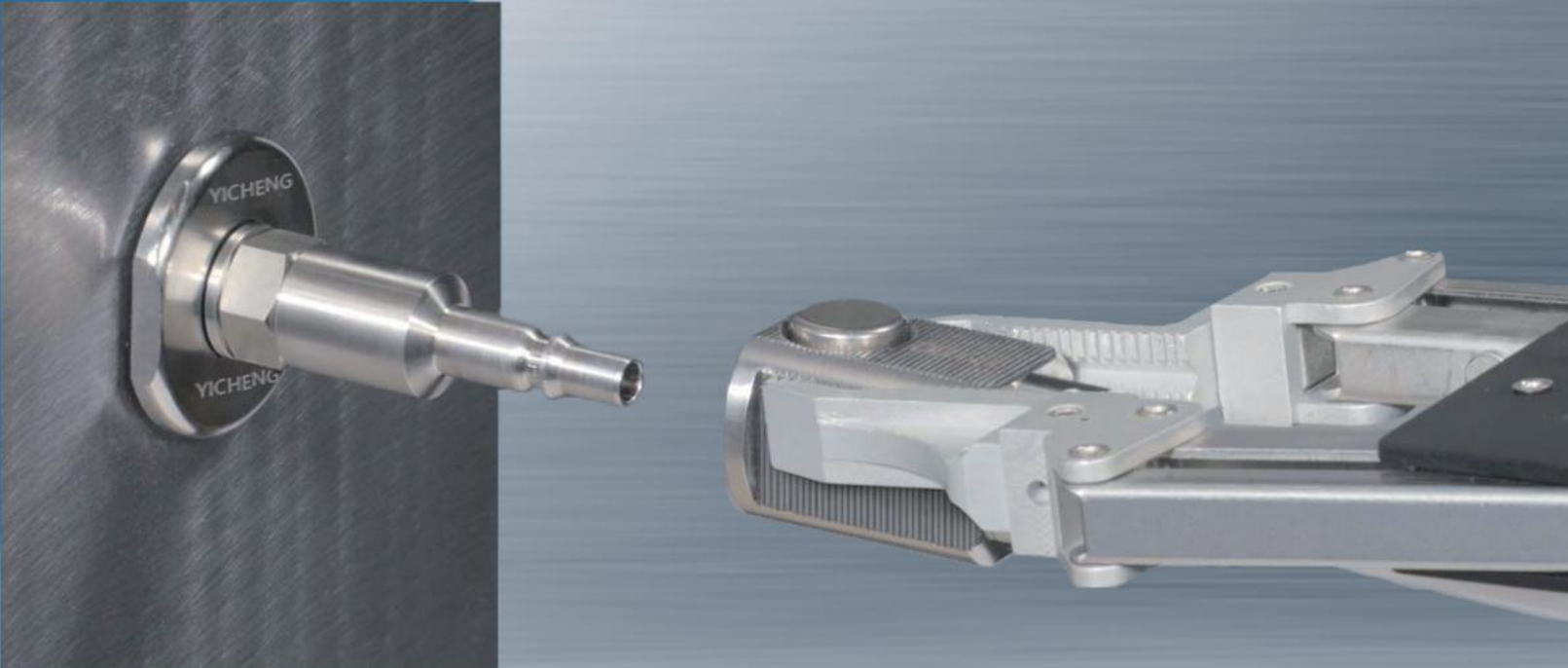
产品简介

- 专用于机械手臂遥控操作的快速接头
- 插头的长导向插头在与插座对接时起预先对准的作用, 使对接动作更加快速便捷
- 按钮锁紧方式, 凸出式按钮易于断开连接
- 正方体外轮廓易于夹持, 条纹表面使夹持更牢固
- 有无阀、单阀和双阀三种截止阀供选择
- 采用不锈钢, 具有较强的耐磨性和抗腐蚀性
- 如有其他接口连接方式, 密封材质, 红蓝色环标识需求请联系我们

用途及使用环境

AN系列按钮式快速接头适用于热室、手套箱等密封单元或密封箱的遥控操作。





连接结构

- 遥控插座和固定插头



- 遥控插头和固定插座



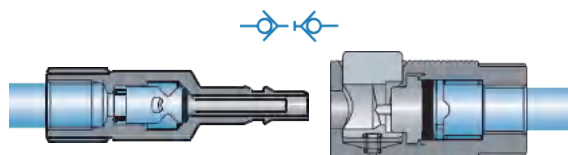
固定插头和插座的安装方式

- 安装在穿板式密封套上
- 安装在焊接螺母上

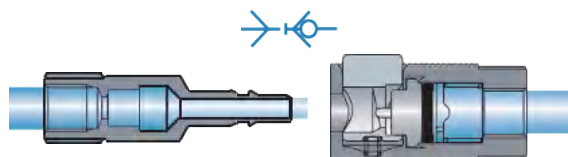


三种截止阀

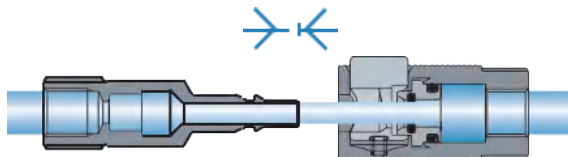
- 双阀结构
自动截止阀的插头和插座



- 单阀结构
自动截止阀的插座, 无阀的直通插头



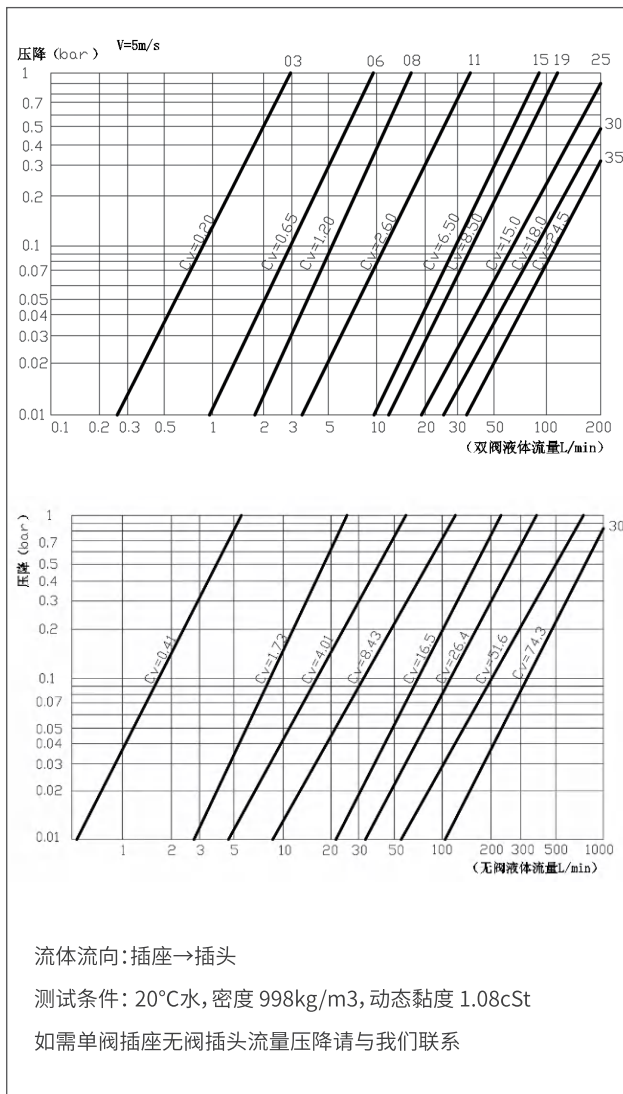
- 无阀结构
无阀直通的插头和插座



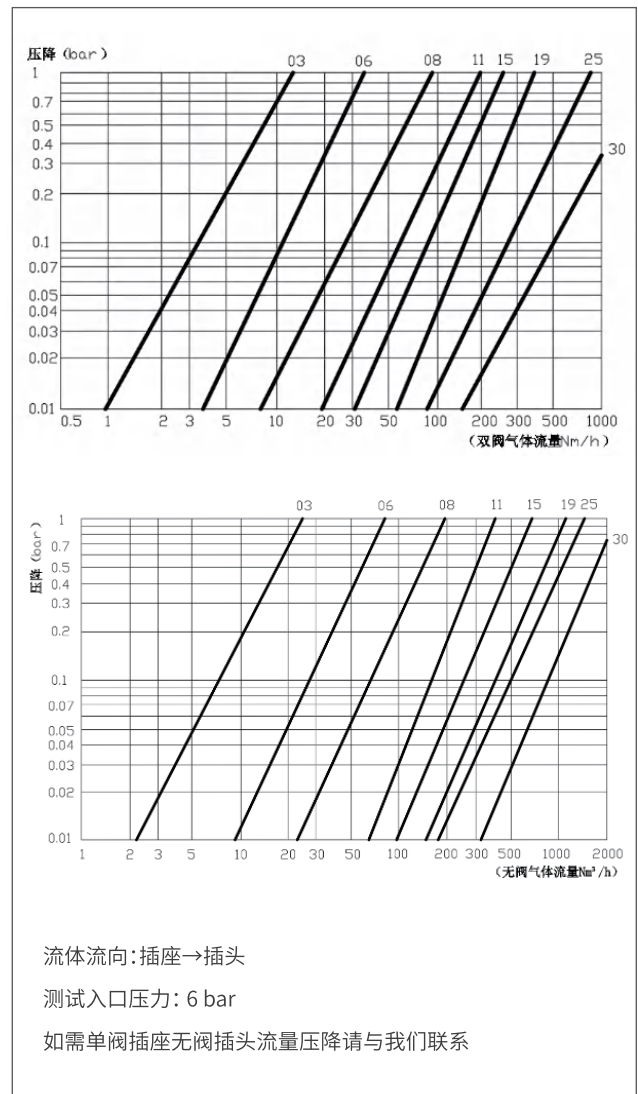
主要技术性能

- 材质: 316L不锈钢
- 密封圈材质: 三元乙丙橡胶, 氟硅橡胶, 氟碳橡胶, 全氟橡胶; 对于特殊介质, 请与我们确认密封圈选型
- 适应温度范围: 三元乙丙橡胶 (EPDM) : $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$; 氟硅橡胶 (FVMQ) : $-55^{\circ}\text{C} \sim +155^{\circ}\text{C}$;
 氟碳橡胶 (FPM) : $-10^{\circ}\text{C} \sim +200^{\circ}\text{C}$; 全氟橡胶 (FFKM) : $0^{\circ}\text{C} \sim +250^{\circ}\text{C}$
- 工作压力: 0~10MPa
- 工作介质: 冷却液、去离子水、饱和蒸汽、稀硝酸、氢氟酸、压缩空气等
- 连接方式: 螺纹连接、宝塔连接
- 冲击性能: 满足机载、车载、舰载领域振动冲击要求
- 耐腐蚀: 中性盐雾测试超过192小时
- 机械寿命: 10000次插拔循环

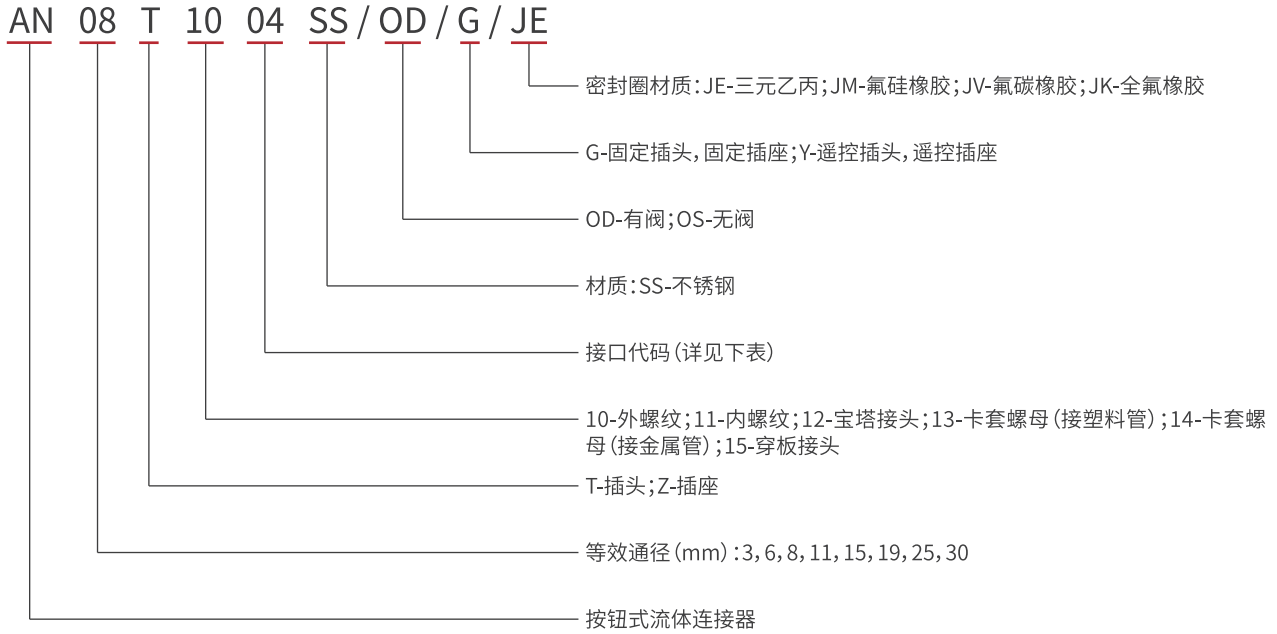
液体流量/压降表



气体流量/压降表



型号命名



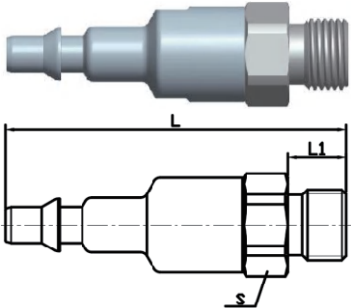
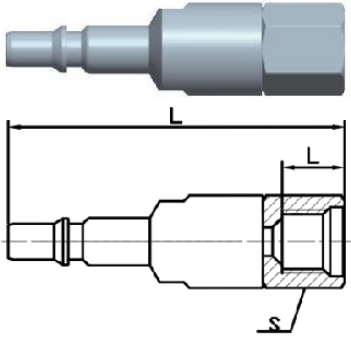
接口代码注释表:

接口代号	螺纹尺寸	接口代号	螺纹尺寸	接口代号	宝塔接头尺寸 (接橡胶管)	接口代号	塑料管 (内外径)	接口代号	金属管管径
01	G1/8	11	NPT1/8	20	∅0.8	30	∅6/∅8	40	1/4"
02	G1/4	12	NPT1/4	21	∅6.5	31	∅8/∅10	41	3/8"
03	G3/8	13	NPT3/8	22	∅6	32	∅10/∅12	42	∅6
04	G1/2	14	NPT1/2	23	∅8			43	∅8
05	G3/4	15	NPT3/4	24	∅10			44	∅10
06	G1	16	NPT1	25	∅13			45	∅12
07	G1-1/8	17	NPT1-1/8	26	∅16				
08	G1-1/4	18	NPT1-1/4	27	∅19				
50	M6×1								

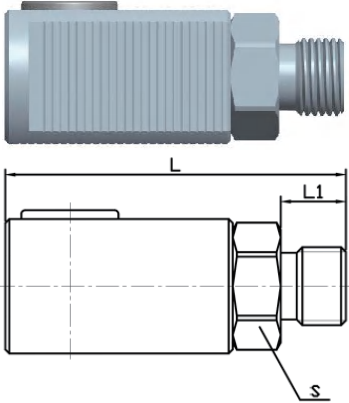
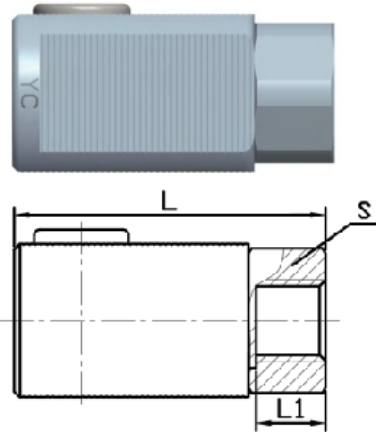
按钮锁紧系列流体连接器使用性能(双阀系列)

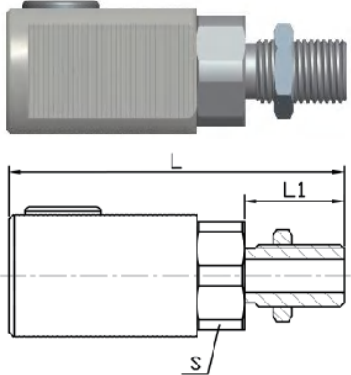
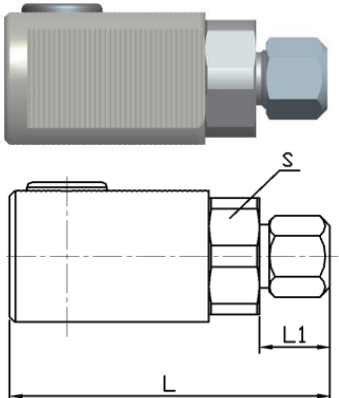
	等效流体通径 (mm)	最大工作压力 (bar)	无压状态插合应力 (N)	无压状态断开应力 (N)	流量系数(m ³ /h)
AN 03	3	20	40	30	0.20
AN 06	5.5	20	60	40	0.65
AN 08	8	20	80	50	1.2
AN 11	11	20	100	75	2.6
AN 15	15	20	120	90	6.5
AN 19	19	20	120	105	8.5
AN 25	25	20	130	120	15
AN 30	30	20	140	130	20

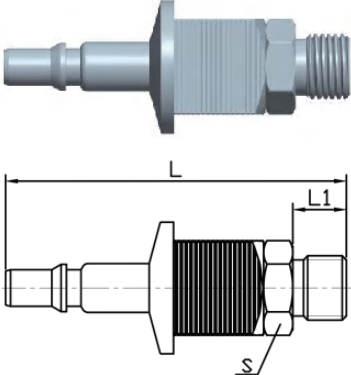
*这些平均值仅作参考,具体数值会因为密封圈,润滑剂,传输介质等因素有所差异。

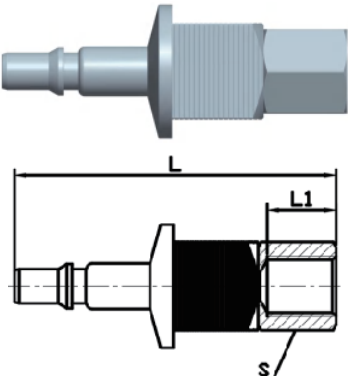
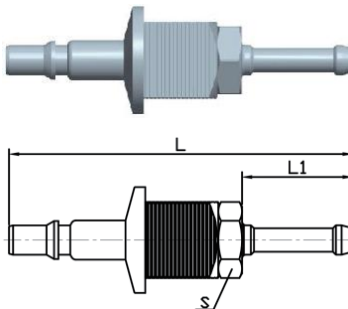
固定插头						
名称	通径/mm	连接	尺寸/mm			型号
			L	L1	S	
外螺纹插头 	3	M6×1	46.5	8	13	AN03T-1050SS/OD/G/JE
		G1/8	46.5	8	13	AN03T-1001SS/OD/G/JE
	6	G1/4	70	11	17	AN06T-1002SS/OD/G/JE
		NPT1/4	73	14	17	AN06T-1012SS/OD/G/JE
	8	G3/8	85.5	14	24	AN08T-1003SS/OD/G/JE
		G1/2	85.5	14	24	AN08T-1004SS/OD/G/JE
		NPT3/8	86	14.5	24	AN08T-1013SS/OD/G/JE
	11	G3/8	99	14	32	AN11T-1003SS/OD/G/JE
		G1/2	99	14	32	AN11T-1004SS/OD/G/JE
		G3/4	101	16	32	AN11T-1005SS/OD/G/JE
		NPT3/8	99.5	14.5	26	AN11T-1013SS/OD/G/JE
	15	G3/4	112	16	32	AN15T-1005SS/OD/G/JE
		G1	114	17	38	AN15T-1006SS/OD/G/JE
	19	G3/4	133	16	38	AN19T-1005SS/OD/G/JE
		G1	136	19	38	AN19T-1006SS/OD/G/JE
	25	G1	150	19	48	AN25T-1006SS/OD/G/JE
G1-1/8		151	20	48	AN25T-1007SS/OD/G/JE	
NPT1		147.7	16.7	48	AN25T-1016SS/OD/G/JE	
30	G1-1/4	162	22	54	AN30T-1008SS/OD/G/JE	
35	G1-1/4	182	22	60	AN35T-1008SS/OD/G/JE	
内螺纹插头 	6	G1/4	70	13	17	AN06T-1102SS/OD/G/JE
		G3/8	72	15	17	AN06T-1103SS/OD/G/JE
		NPT1/4	70	13	17	AN06T-1112SS/OD/G/JE
	8	G3/8	85.5	17	21	AN08T-1103SS/OD/G/JE
		G1/2	85.5	17	21	AN08T-1104SS/OD/G/JE
		NPT1/2	85.5	17	21	AN08T-1114SS/OD/G/JE
	11	G3/8	92	16	26	AN11T-1103SS/OD/G/JE
		G1/2	92	16	26	AN11T-1104SS/OD/G/JE
		G3/4	95	19	34	AN11T-1105SS/OD/G/JE
	19	G3/4	133	19	34	AN19T-1105SS/OD/G/JE
G1		136	19	41	AN19T-1106SS/OD/G/JE	

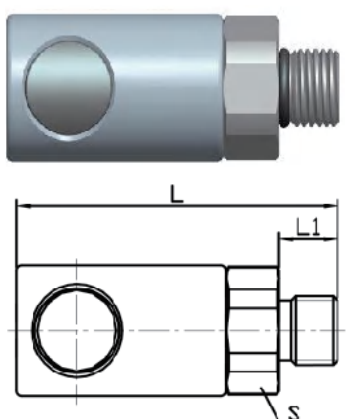
遥控插座

名称	通径/mm	连接	尺寸/mm			型号
			L	L1	S	
外螺纹插座 	3	G1/8	42	8	14	AN03Z-1001SS/OD/Y/JE
	6	G1/4	60.5	11	23	AN06Z-1002SS/OD/Y/JE
		NPT1/4	64.5	14	23	AN06Z-1012SS/OD/Y/JE
	8	G3/8	75	14	29	AN08Z-1003SS/OD/Y/JE
		G1/2	75	14	29	AN08Z-1004SS/OD/Y/JE
	11	NPT3/8	75.5	14.5	29	AN08Z-1013SS/OD/Y/JE
		G3/8	85	14	35	AN11Z-1003SS/OD/Y/JE
		G1/2	85	14	35	AN11Z-1004SS/OD/Y/JE
		G3/4	87	16	35	AN11Z-1005SS/OD/Y/JE
	15	NPT3/8	85.5	14.5	35	AN11Z-1013SS/OD/Y/JE
		G3/4	98	16	41	AN15Z-1005SS/OD/Y/JE
	19	G1	99	17	41	AN15Z-1006SS/OD/Y/JE
		G3/4	106	16	46	AN19Z-1005SS/OD/Y/JE
	25	G1	111	19	46	AN19Z-1006SS/OD/Y/JE
		G1-1/8	124	19	52	AN25Z-1006SS/OD/Y/JE
30	G1-1/8	125	20	52	AN25Z-1007SS/OD/Y/JE	
35	G1-1/4	132	22	62	AN30Z-1008SS/OD/Y/JE	
35	G1-1/4	152	22	72	AN35Z-1008SS/OD/Y/JE	
内螺纹插座 	6	G1/4	52.5	11.7	23	AN06Z-1102SS/OD/Y/JE
		G3/8	55.5	13.7	23	AN06Z-1103SS/OD/Y/JE
		NPT1/4	52.5	11.7	23	AN06Z-1112SS/OD/Y/JE
	8	G3/8	65	12	29	AN08Z-1103SS/OD/Y/JE
		G1/2	68	12	29	AN08Z-1104SS/OD/Y/JE
		NPT1/2	68	12	29	AN08Z-1114SS/OD/Y/JE
	11	G3/8	82	14	35	AN11T-1103SS/OD/G/JE
		G1/2	82	14	35	AN11T-1104SS/OD/G/JE
		G3/4	85	17	35	AN11T-1105SS/OD/G/JE
		NPT1/2	82	14	35	AN11T-1114SS/OD/G/JE
	19	G3/4	115	17	46	AN19T-1105SS/OD/G/JE
G1		115	20	46	AN19T-1106SS/OD/G/JE	

名称	通径/mm	连接	尺寸/mm			型号
			L	L1	S	
穿板插座 	6	G1/4	70.5	21	23	AN06Z-1502SS/OD/Y/JE
	8	G3/8	85	24	29	AN08Z-1003SS/OD/Y/JE
卡套螺母插座 	6	Ø6/8	63.5	14	23	AN06Z-1330SS/OD/Y/JE
	8	Ø8/10	72	20	29	AN08Z-1331SS/OD/Y/JE

遥控插头						
名称	通径/mm	连接	尺寸/mm			型号
			L	L1	S	
外螺纹插头 	6	G1/4	70	11	17	AN06T-1002SS/OD/Y/JE
		G3/8	73	14	17	AN06T-1003SS/OD/Y/JE
		NPT1/4	73	14	17	AN06T-1012SS/OD/Y/JE
	8	G3/8	85.5	14	24	AN08T-1003SS/OD/Y/JE
		G1/2	85.5	14	24	AN08T-1004SS/OD/Y/JE
		NPT1/2	85.5	14	24	AN08T-1014SS/OD/Y/JE
	11	G3/8	99	14	32	AN11T-1003SS/OD/Y/JE
		G1/2	99	17	32	AN11T-1004SS/OD/Y/JE
		NPT1/2	99	17	32	AN11T-1014SS/OD/Y/JE

名称	通径/mm	连接	尺寸/mm			型号
			L	L1	S	
内螺纹插头 	6	G1/4	70	15	17	AN06T-1102SS/OD/Y/JE
		G3/8	70	15	17	AN06T-1103SS/OD/Y/JE
		NPT1/4	70	15	17	AN06T-1112SS/OD/Y/JE
	8	G3/8	78	17	24	AN08T-1103SS/OD/Y/JE
		G1/2	81	17	24	AN08T-1104SS/OD/Y/JE
		NPT1/2	81	17	24	AN08T-1114SS/OD/Y/JE
	11	G3/8	89	19	32	AN11T-1103SS/OD/Y/JE
		G1/2	92	19	32	AN11T-1104SS/OD/Y/JE
		NPT1/2	92	19	32	AN11T-1114SS/OD/Y/JE
宝塔头插头 	6	Ø6	87	28	17	AN06T-1222SS/OD/Y/JE
		Ø8	87	28	17	AN06T-1223SS/OD/Y/JE
	8	Ø8	100	28	24	AN08T-1223SS/OD/Y/JE
		Ø10	100	28	24	AN08T-1224SS/OD/Y/JE
	11	Ø13	116	33	32	AN11T-1225SS/OD/Y/JE
		Ø16	116	33	32	AN11T-1226SS/OD/Y/JE

固定插座						
名称	通径/mm	连接	尺寸/mm			型号
			L	L1	S	
外螺纹插头 	6	G1/4	60.5	11	23	AN06Z-1002SS/OD/G/JE
		NPT1/4	64.5	14	23	AN06Z-1012SS/OD/G/JE
	8	G3/8	75	14	29	AN08Z-1003SS/OD/G/JE
		G1/2	75	14	29	AN08Z-1004SS/OD/G/JE
		NPT3/8	75.5	14.5	29	AN08Z-1013SS/OD/G/JE
	11	G3/8	85	14	35	AN11Z-1003SS/OD/Y/JE
		G1/2	85	14	35	AN11Z-1004SS/OD/Y/JE
		G3/4	87	16	35	AN11Z-1005SS/OD/Y/JE
NPT3/8		85.5	14.5	35	AN11Z-1013SS/OD/Y/JE	

*如需其他规格型号请与我司工程师联系