

# 系列 UPG



AVENTICS™

AVENTICS UPG 系列气爪



## 系列 UPG

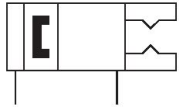
安沃驰 UPG 系列是一款两指平行气爪，特点是夹持力大、精度高且夹爪移动准确。可以根据应用要求选用它们，并针对特定于物体灵活装配合适的手指

- 平行双爪式
- 带磁性活塞



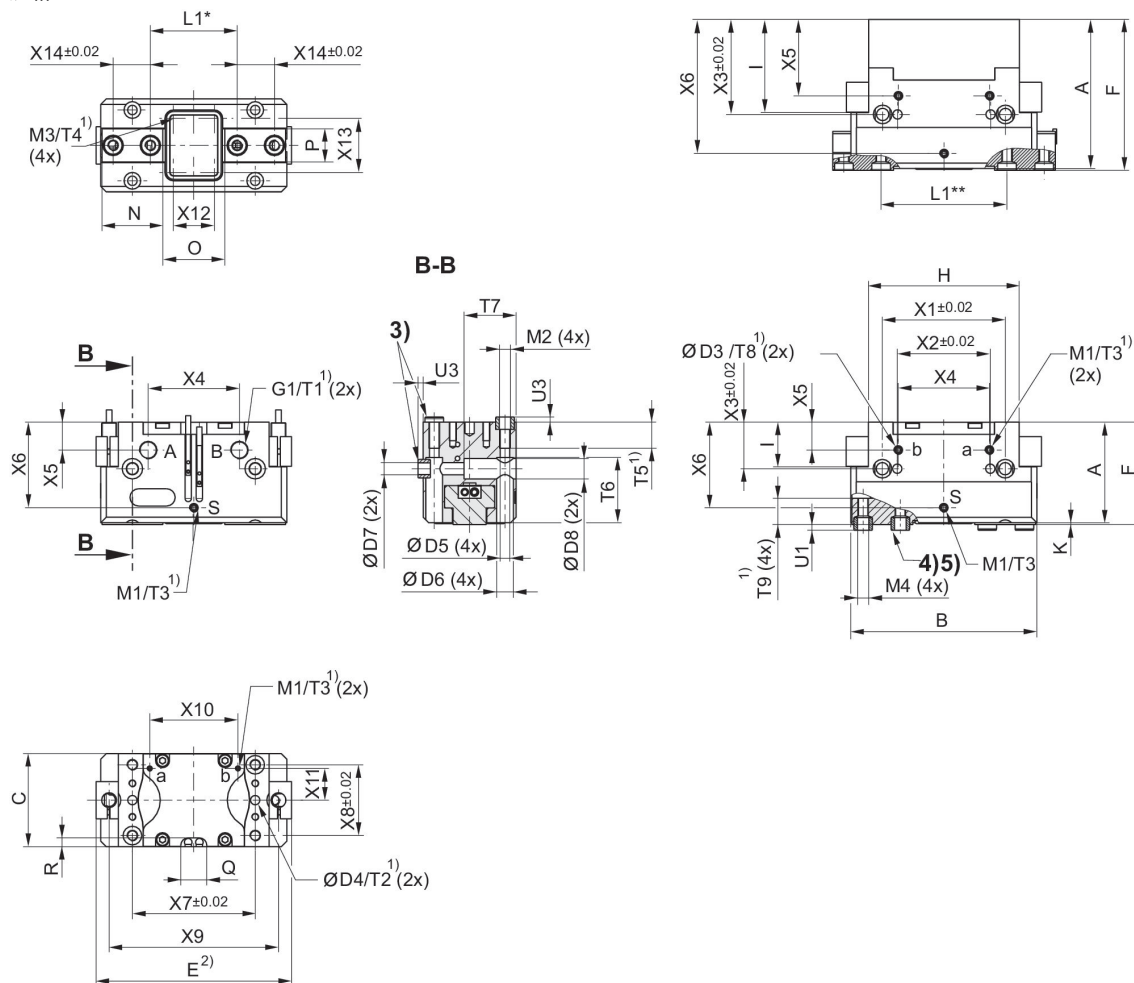
系列 UPG

带磁性活塞  
平行双爪式



类型	每个内抓钳的有效夹持力, 最小值 [N]	每个外抓钳的有效夹持力, 最小值 [N]	内抓手总有效夹持力, 最小 [N]	外抓手总有效夹持力, 最小 [N]	最大允许的指杆长度 [mm]	最大允许的抓钳质量 [kg]	每个抓钳的冲程 [mm]	6 bar 闭合时间 [s]	6 bar] 时的开启时间 [s]	接收工件质量 [kg]	双行程 1 巴时的空气消耗量 [cm³]	重量 [kg]	物料号
UPG-P-40	66	61.5	132	123	50	0.1	2.5	0.02	0.02	0.62	2.5	0.08	R412026301
UPG-P-50	72.5	70	145	140	64	0.18	4	0.02	0.02	0.7	5	0.15	R412026302
UPG-P-64	135	125	270	250	80	0.35	6	0.03	0.03	1.25	10	0.28	R412026303
UPG-P-80	232.5	207.5	465	415	100	0.6	8	0.04	0.04	2.1	22.5	0.5	R412026304
UPG-P-100	362.5	330	725	660	125	1.1	10	0.07	0.07	3.3	45	0.81	R412026305
UPG-P-125	585	540	1170	1080	160	2.1	13	0.1	0.1	5.4	87	1.35	R412026306
UPG-P-160	885	820	1770	1640	200	3.5	16	0.15	0.15	8.2	164	2.6	R412026307

规格



- \* 夹具已关闭
- \*\* 夹具已打开
- 1) 最小
- 2) 最大
- 3) 外壳内的衬套 ØD2 h6 ØD2 适用于下方夹具接口 (2x)
- 4) 基座爪钳内的衬套 ØD1 h6 ØD1 H7 适用于下部抓钳接口 (4x)
- 5) 基座爪钳内的衬套 ØD1 h6 ØD1 适用于下部抓钳接口 (4x)

物料号	A	B	C	D1 H7	D2 H7	D3 H7	D4 H7	D5	D6	D7
R412026301	24	45	24	4	5	-	-	2.5	4.8	2.6
R412026302	30	57	30	5	6	-	-	3,3	5,8	3,3
R412026303	38	64	36	6	8	4	4	4,2	7,25	4,2
R412026304	48	80	42	8	8	-	4	4,2	7,25	5,1
R412026305	54	100	50	10	10	5	5	5,1	9	6,6
R412026306	62	125	60	10	12	6	6	6,8	10,5	9
R412026307	76	160	72	14	12	6	6	6,8	10,5	9

物料号	D8	E	F	G1	H	I	K	L1*	L1**	M1
R412026301	4.8	-	24.7	M3	38	9	0.7	26.5	21.5	M2
R412026302	5.8	-	31	M5	42	13	1	33,5	25,5	M5
R412026303	7,25	70	39	M5	52	15	1	40,5	28,5	M5

物料号	D8	E	F	G1	H	I	K	L1*	L1**	M1
R412026304	9	87	49	M5	63	20	1	53	37	M5
R412026305	11	105	55	G1/8	81	24	1	67	47	M5
R412026306	14	130	63	G1/8	100	26	1	87	61	M5
R412026307	14	162,5	77	G1/8	125	32	1	109	77	M5

物料号	M2	M3	M4	N	O	P	Q	R	T1	T2
R412026301	M3	M2	M2.5	14.8	14.9	6.8	9.5	3.5	4	-
R412026302	M4	M2,5	M3	18,6	19	10	9.5	3,8	4.5	-
R412026303	M5	M2,5	M4	21	20,3	12	11	4,3	6	6
R412026304	M5	M2,5	M5	26	26,8	14,4	12	4,2	6	8
R412026305	M6	M3	M6	32,7	33,3	17,8	14	4,8	7	6
R412026306	M8	M3	M6	39	45,5	19,7	14	4,3	7	10
R412026307	M8	M3	M10	50	57,9	26	16	5,3	7	12

物料号	T3	T4	T5	T6	T7	T8	T9	U1	U3	X1
R412026301	4	3.5	8	16	14	-	6.1	2.2	2	32
R412026302	6	3.5	11	19	18	-	8,5	2.2	2,5	35
R412026303	6	3.5	12	24,1	25	5	10	2.6	2,5	42
R412026304	4	3.5	15	33	24	-	10	2.6	2,5	52
R412026305	6	5,5	14	35	28	5	14,2	3.1	3	66
R412026306	6	5,5	20	39,5	38	6	13	3.1	3	82
R412026307	6	5,5	20	55,5	41	7	17	4	3	100

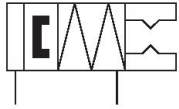
物料号	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
R412026301	-	11	22	8	18.6	32	18	-	20	6.8
R412026302	-	14,5	24	10	25,5	35	22	-	22,6	8,7
R412026303	20	17,5	31	10	33	42	27	58,6	27	10
R412026304	-	20	40	12	39,5	52	32	73	37	12
R412026305	50	25	49	15	46	66	38	91	47,4	17
R412026306	60	30	63	15	53	82	45	116	61	20
R412026307	76	28	74	18	61	100	56	148,5	75	24,5

物料号	X12	X13	X14
R412026301	8	14	8
R412026302	11	18	12
R412026303	13	20,5	13
R412026304	17	14,4	16
R412026305	22	17,8	20
R412026306	35,5	19,7	24
R412026307	43	31	32

\* 夹爪已打开  
\*\* 夹爪已关闭

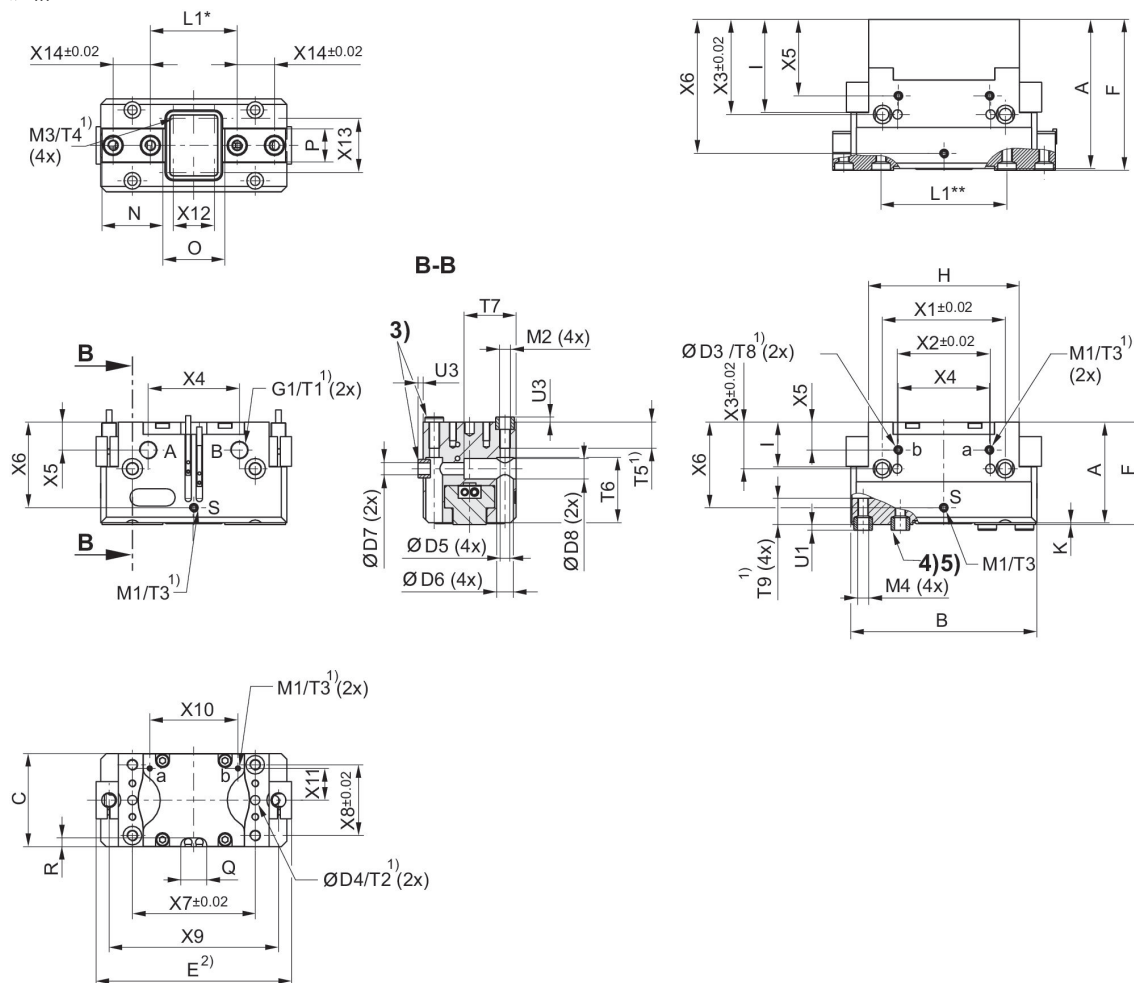
## 系列 UPG

带磁性活塞  
双作用，常闭时无压力  
平行双爪式



类型	每个外抓钳的有效夹持力，最小值 [N]	外抓手总有效夹持力，最小 [N]	最大允许的指杆长度 [mm]	最大允许的抓钳质量 [kg]	每个抓钳的冲程 [mm]	6 bar 闭 合时间 [s]	6 bar] 时的开 启时间 [s]	接收工 件质量 [kg]	双行程 1 巴时的空 气消耗量 [cm³]	重量 [kg]	物料号
UPG-P-40-NC	81	163	45	0.1	2.5	0.02	0.03	0.62	4.5	0.09	R412026308
UPG-P-50-NC	92	185	58	0.18	4	0.02	0.03	0.7	8.5	0.2	R412026309
UPG-P-64-NC	170	340	72	0.35	6	0.02	0.04	1.25	17	0.37	R412026310
UPG-P-80-NC	285	570	90	0.6	8	0.03	0.05	2.1	36	0.6	R412026311
UPG-P-100-NC	450	900	115	1.1	10	0.05	0.09	3.3	79	1	R412026312
UPG-P-125-NC	735	1470	145	2.1	13	0.08	0.12	5.4	119	1.85	R412026313
UPG-P-160-NC	1105	2210	180	3.5	16	0.12	0.25	8.2	210	3.3	R412026314

规格



- \* 夹爪已关闭
- \*\* 夹爪已打开
- 1) 最小
- 2) 最大
- 3) 外壳内的衬套 ØD2 h6 ØD2 适用于下方夹爪接口 (2x)
- 4) 基座爪钳内的衬套 ØD1 h6 ØD1 H7 适用于下部抓钳接口 (4x)
- 5) 基座爪钳内的衬套 ØD1 h6 ØD1 适用于下部抓钳接口 (4x)

物料号	A	B	C	D1 H7	D2 H7	D3 H7	D4 H7	D5	D6	D7
R412026308	33,05	45	24	4	5	-	-	2.5	4.8	2.6
R412026309	46	57	30	5	6	-	-	3,3	5,8	3,3
R412026310	56	64	36	6	8	4	4	4,2	7,25	4,2
R412026311	66	80	42	8	8	-	4	4,2	7,25	5,1
R412026312	80	100	50	10	10	5	5	5,1	9	6,6
R412026313	92	125	60	10	12	6	6	6,8	10,5	9
R412026314	116	160	72	14	12	6	6	6,8	10,5	9

物料号	D8	E	F	G1	H	I	K	L1*	L1**	M1
R412026308	4.8	-	33.75	M3	38	18.1	0.7	26.5	21.5	M2
R412026309	5.8	-	47	M5	42	29	1	33,5	25,5	M5
R412026310	7,25	70	57	M5	52	33	1	40,5	28,5	M5

物料号	D8	E	F	G1	H	I	K	L1*	L1**	M1
R412026311	9	87	67	M5	63	38	1	53	37	M5
R412026312	11	105	81	G1/8	81	50	1	67	47	M5
R412026313	14	130	93	G1/8	100	56	1	87	61	M5
R412026314	14	162,5	117	G1/8	125	72	1	109	77	M5

物料号	M2	M3	M4	N	O	P	Q	R	T1	T2
R412026308	M3	M2	M2.6	14.8	14.9	6.8	-	-	4	-
R412026309	M4	M2,5	M3	18,6	19	10	-	-	4.5	-
R412026310	M5	M2,5	M4	21	20,3	12	-	-	6	6
R412026311	M5	M2,5	M5	26	26,8	14,4	-	-	6	8
R412026312	M6	M3	M6	32,7	33,3	17,8	-	-	7	6
R412026313	M8	M3	M6	39	45,5	19,7	-	-	7	10
R412026314	M8	M3	M10	50	57,9	26	11	5,1	7	12

物料号	T3	T4	T5	T6	T7	T8	T9	U1	U3	X1
R412026308	4	3.5	8	16	14	-	7.1	2.2	2	32
R412026309	6	3.5	11	19	18	-	8,5	2.2	2,5	35
R412026310	6	3.5	12	24,1	25	5	10	2.6	2,5	42
R412026311	4	3.5	15	33	24	-	10	2.6	2,5	52
R412026312	6	5,5	14	35	28	5	14,2	3.1	3	66
R412026313	6	5,5	20	39,5	38	6	13	3.1	3	82
R412026314	6	5,5	20	55,5	41	7	17	4	3	100

物料号	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
R412026308	-	20.1	22	17.1	27.7	32	18	-	20	6.8
R412026309	-	30,5	24	26	41,5	35	22	-	22,6	8,7
R412026310	20	35,5	31	28	51	42	27	58,6	27	10
R412026311	-	38	40	30	57,5	52	32	73	37	12
R412026312	50	51	49	41	72	66	38	91	47,4	17
R412026313	60	60	63	45	83	82	45	116	61	20
R412026314	76	68	74	58	101	100	56	148,5	75	24,5

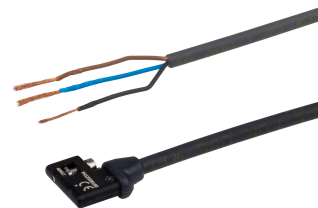
物料号	X12	X13	X14
R412026308	8	14	8
R412026309	11	18	12
R412026310	13	20,5	13
R412026311	17	14,4	16
R412026312	22	17,8	20
R412026313	35,5	19,7	24
R412026314	43	31	32

\* 夹爪已打开  
\*\* 夹爪已关闭

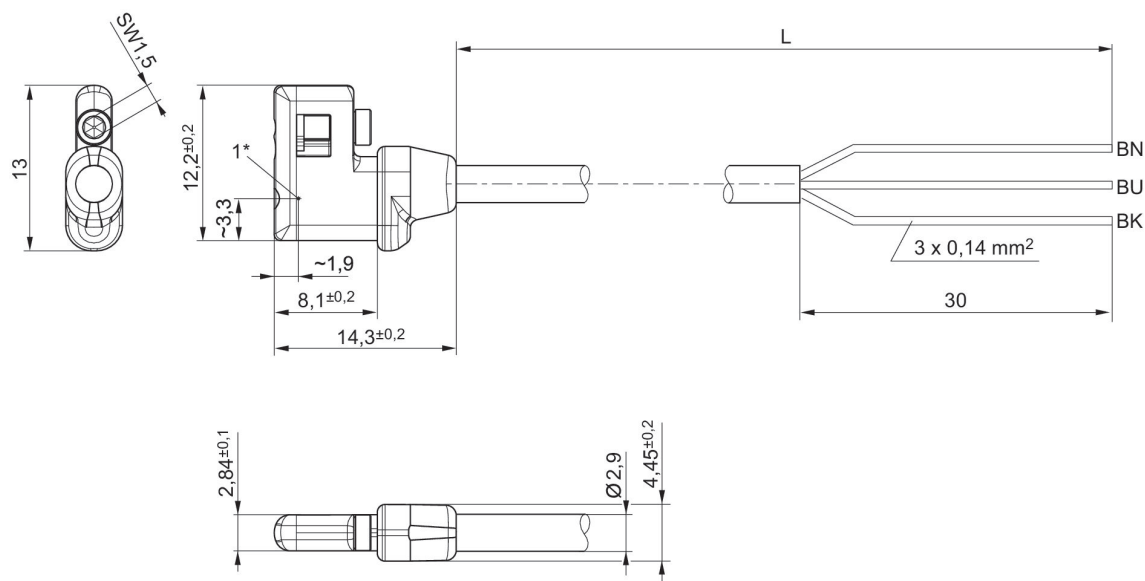


传感器, 系列 SC4

UPG  
RTC  
MSN  
GPC  
MSC  
PRA  
SSI  
TWC  
线芯外露部分镀锡  
CE认证  
cULus  
UL (Underwriters Laboratories)



直接安装用于系列	连接方式型	电气连接 极数	电缆长度 L [m]	物料号
UPG, RTC, MSN, GPC, MSC, PRA, SSI, TWC	电子 PNP	3-针	3	R412026162
UPG, RTC, MSN, GPC, MSC, PRA, SSI, TWC	电子 PNP	3-针	5	R412026163
UPG, RTC, MSN, GPC, MSC, PRA, SSI, TWC	NPN	3-针	3	R412026166



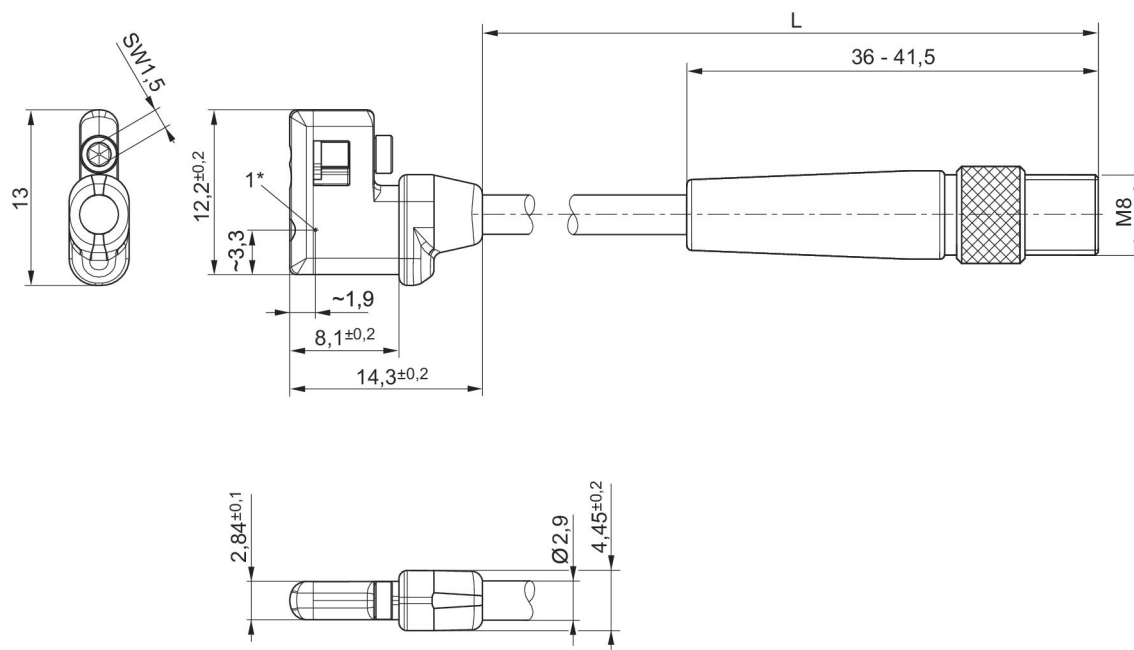
\* 开关点  
L = 电缆长度

传感器, 系列 SC4

UPG  
RTC  
MSN  
GPC  
MSC  
PRA  
SSI  
TWC  
多芯插头  
CE认证  
cULus  
UL (Underwriters Laboratories)  
3-针



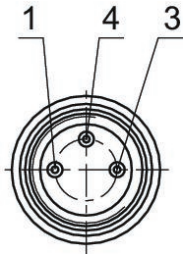
直接安装用于系列	连接方式型	电气连接 极数	电缆长度 L [m]	物料号
UPG, RTC, MSN, GPC, MSC, PRA, SSI, TWC	电子 PNP	3-针	0.3	R412026164
UPG, RTC, MSN, GPC, MSC, PRA, SSI, TWC	电子 PNP	3-针	0.5	R412026165
UPG, RTC, MSN, GPC, MSC, PRA, SSI, TWC	电子 NPN	3-针	0.3	R412026167



\* 开关点  
L = 电缆长度

R412026164, R412026165, R412026167

插脚分配 M8x1 (三极插头)



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