



POWER CHUCKS 动力卡盘

COLLET CHUCKS 空油压夹头

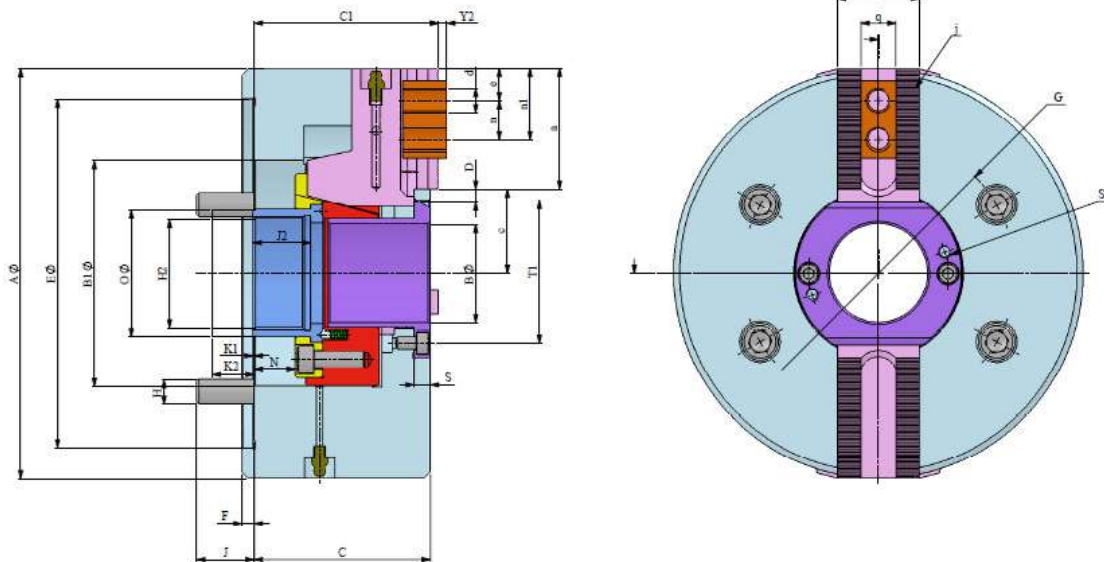
ROTARY CYLINDERS 空油压回转缸

DRAKE
德雷克

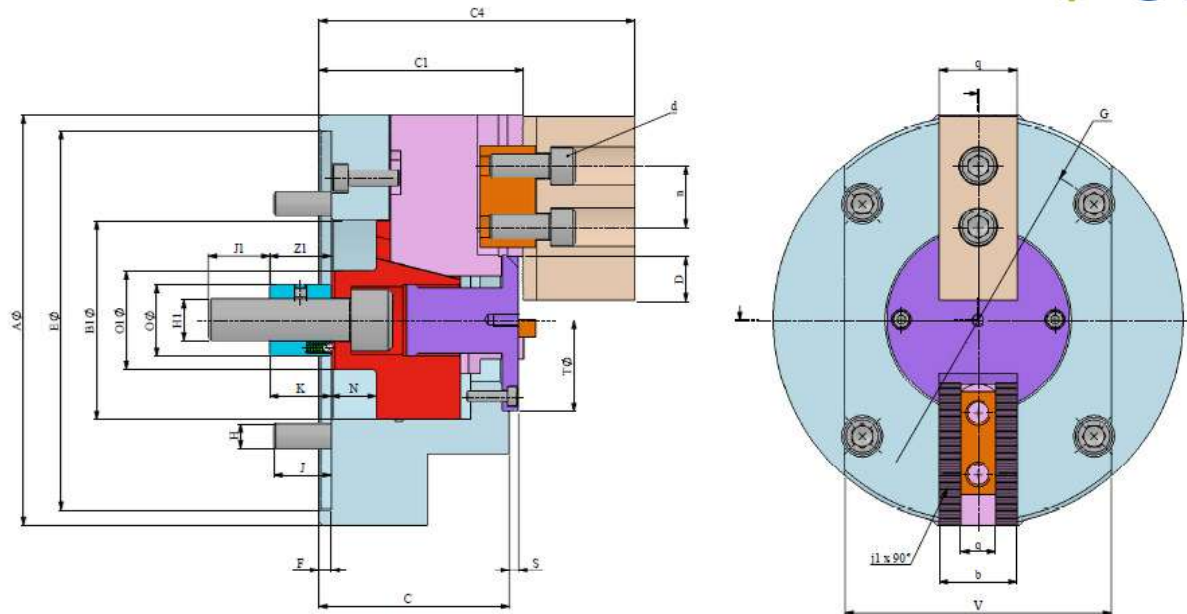


德雷克精工科技（常州）有限公司
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常州德雷克国际贸易有限公司 (出口平台)
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德雷克精工科技（常州）有限公司



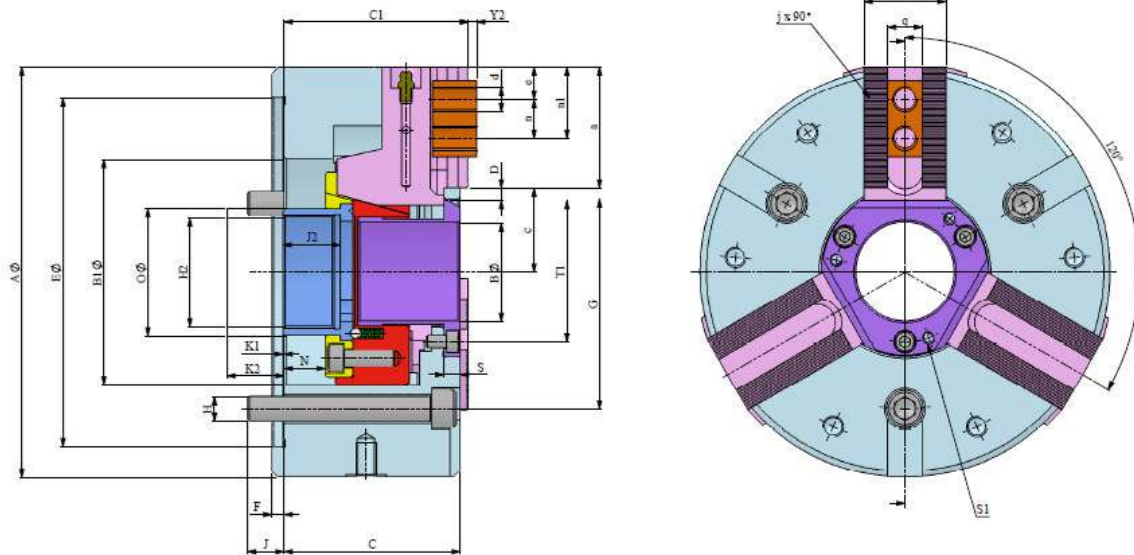
Dimensions / Performance data 2B - PH			135	165	200	250	315	400	500
Type 2 PH / Chuck Size									
Dimensions									
Outer diameter	A \varnothing	mm	135	165	200	250	315	400	500
Bore	B1 \varnothing ^{+0.1}	mm	81	90	110	132	155	210	250
Mounting recess	E \varnothing H6	mm	110	140	170	220	300	380	380
Actuator- \varnothing	F	mm							
Mounting bolts	H		M10	M10	M12	M16	M20	M24	M24
Thread mounting	H2		M36 x 1.5	M42 x 1.5	M55 x 2	M72 x 2	M92 x 2	M133 x 2	M172 x 3
Puller thread protective sleeve	S		M4	M5	M6	M6	M6	M8	M8
Chuck width	C	mm	56.2	77	85	88	85	120	120
Chuck width	C1	mm	58	82	89	92	92	125	125.5
Thread length of mounting bolts	J	mm	15	14	18	24	31	31	36
Thread length of actuator	J2	mm	17	27	28	28	28	28	28
Basejaw protr. over chuck face	S	mm	6	8	8	8	8	12	12
Actuator stroke	N	mm	10	15	20	20	20	30	30
Pitch circle - \varnothing of mounting bolts	G ^{+0.1}	mm	82.6	104.8	133.4	171.4	235	330.2	330.2
Pitch circle - \varnothing of protective sleeve	T1 ^{+0.1}	mm	44	54	68	86	104	145	185
Jaw stroke	D	mm	2.7	3.15	5.3	5.3	5.3	8	8
Position of Jaw min	c	mm	25.15	28.65	35.7	43.7	54.2	74	92
Position of Jaw max	c	mm	27.85	31.8	41	49	59.5	82	100
Jaw mounting bolts	d		M8	M10	M12	M16	M16	M20	M20
Distance of Jaw mounting bolts	e	mm	8	9	9	10	10	15	15
Distance of Jaw mounting bolts	n1	mm	30	38.5	50	60	85	103	130
Minimum distance	n	mm	14	19	19	25	25	34	34
Distance T-nut and serration	Y2	mm	2	3	3.5	3.5	3.5	3.5	3.5
Length of serration	a	mm	41	50.7	59	76	98	118	150
Jaw width	b	mm	23	35	40	45	50	60	60
Slot with imperial	q H7	mm	10	12	17	21	21	25.5	25.5
Slot with metric	q H7	mm	10	12	17	21	21	25.5	25.5
Pitch of serration / Imperial	j		1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	3/32" x 90°	3/32" x 90°
Pitch of serration / Metric	j		1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°
Performance data									
Max. Drawbar pull		kgf	1133	1333	2660	4000	4000	6000	6000
Max. Gripping force		kgf	2400	3600	5330	8000	8660	13333	14000
Rpm max		1/min	7000	5000	5000	4000	3200	2500	2000
Weight		kg	10	13.7	16	26	38	94	132
Flywheel effect GD2		kpm2	0.15	0.2	0.38	0.8	2.6	8.4	24.8



Two jaw chucks are pre dominantly used when machining irregular shaped components and are therefore mainly used with contour jaws.

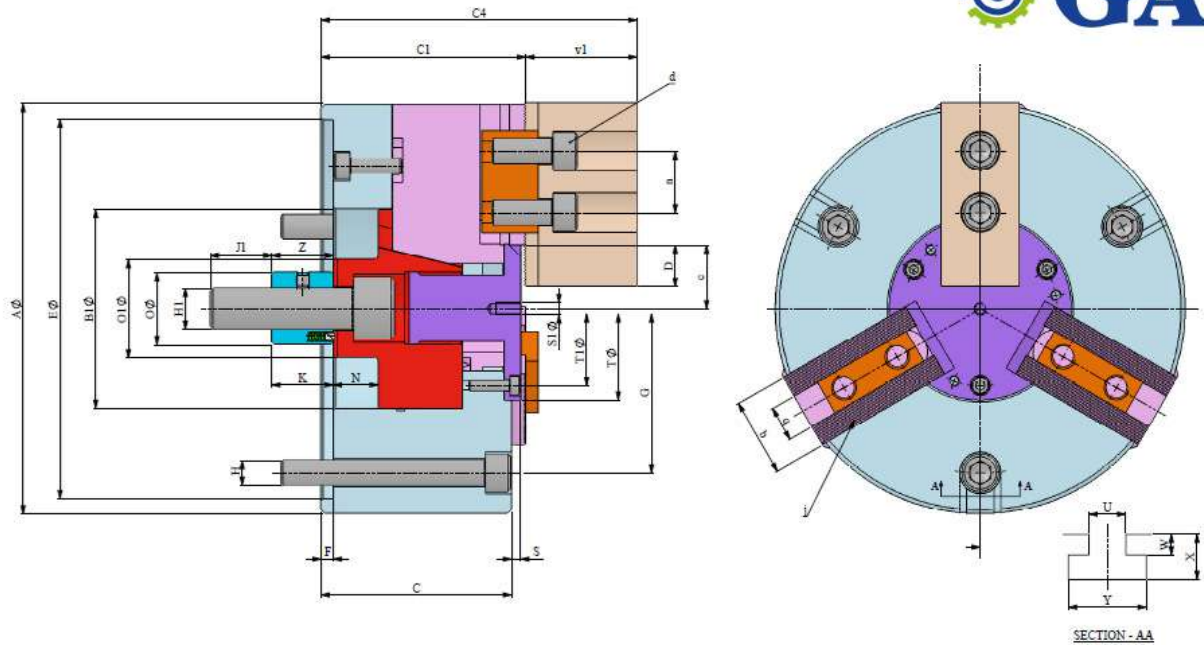
Dimensions / Performance data 2B - PS

Type 2 PS / Chuck Size			110	125	160	200	250	315	400	500
Dimensions										
Outer diameter	AØ	mm	110	125	160	200	250	315	400	500
Mounting recess	EØ H6	mm	92	115	150	185	185	300	300	460
Bore	B1Ø	mm	45	60	78	97	97	120	180	180
Mounting bolts	H		M8	M12	M12	M12	M16	M20	M24	M24
Actuator-Ø	O1Ø	mm	—	35	40	48	48	52	75	75
	OØ	mm	—	27	31.5	35	35	35	46	46
Puller thread protective sleeve	S1		—	M5	M6	M6	M5	M8	M8	M8
Chuck width	C	mm	31.5	61	81	93	93	98	127	127
Chuck width	C1	mm	38.5	69.5	87	100	103.5	109	131	136
	F	mm	3	6	6	6	6	6	6	6
Pitch circle - Ø of mounting bolts	GØ ±0.1	mm	80	92	125	160	140	250	250	300
Pitch circle - Ø of protective sleeve	T1Ø ±0.1	mm	55	40	58	75	75	80	105	105
	TØ	mm	65	52	68	89	89	98	145	145
Jaw stroke	D	mm	2.1	4.2	4.2	5.4	5.4	5.4	8	8
	C4	mm	76	104.5	132	154.5	163.5	174	212	225
Minimum distance	n	mm	12	15	25	30	35	40	50	60
Jaw mounting bolts	d		M6	M8	M10	M12	M14	M16	M20	M20
Position of Jaw MIN	c	mm	23.9	17.9	22.5	25.6	25.3	33.4	48.8	48.8
Position of Jaw MAX	c	mm	26	22.1	26.7	31	30.7	38.8	56.8	56.8
Thread mounting	H1		* M 20 x 1.5	M12	M16	M20	M20	M20	M24	M24
Thread length of actuator	J1	mm	—	43	55	70	70	68	54	54
Actuator position	Z	mm	—	25	25	30	30	30	30	30
Actuator stroke	N	mm	8	19	19	22	22	22	30	30
Jaw width	b	mm	25	25	38	38	45	45	60	60
Jaw height	v1	mm	31	35	45	53	60	65	81	89
Slot with imperial	q H7	mm	8	10	12	14	17	21	25.5	25.5
Slot with metric	q H7	mm	8	10	12	14	17	21	25.5	25.5
Basejaw protr. over chuck face	S	mm	4	6	5	4.5	8	7	6	6
Pitch of serration/Imperial	j		1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	3/32" x 90°	3/32" x 90°
Pitch of serration/Metric	j		1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°
Performance data										
External Clamping Min		mm	4	10	18	20	24	50	95	108
External Clamping Max		mm	110	125	160	200	250	315	400	500
Internal Clamping Min		mm	22	34	34	56	60	72	102	106
Internal Clamping Max		mm	110	125	160	200	250	315	400	500
Drawbar pull		kgf	465	620	860	1420	2450	3590	5810	5810
Rpm max		1/min	4000	3200	2800	2300	2000	1700	1400	1900
Weight Approx.		kgs	2.1	5	7	14	22	45	78	100



Dimensions / Performance data 3B - PH

Type 3 PH / Chuck Size		135	165	200	250	315	400	500
Dimensions								
Outer diameter	AØ mm	135	165	200	250	315	400	500
Bore	B1Ø ^{+0.1} mm	81	90	110	132	155	210	250
Mounting recess	EØ H6 mm	110	140	170	220	300	380	380
Actuator-Ø	F mm							
Mounting bolts	H	M10	M10	M12	M16	M20	M24	M24
Thread mounting	H2	M36 x 1.5	M42 x 1.5	M55 x 2	M72 x 2	M92 x 2	M133 x 2	M172 x 3
Puller thread protective sleeve	S	M4	M5	M6	M6	M6	M8	M8
Chuck width	C mm	56.2	77	85	88	85	120	120
Chuck width	C1 mm	58	82	89	92	92	125	125.5
Thread length of mounting bolts	J mm	15	14	18	24	31	31	36
Thread length of actuator	J2 mm	17	27	28	28	28	28	28
Basejaw protr. over chuck face	S mm	6	8	8	8	8	12	12
Actuator stroke	N mm	10	15	20	20	20	30	30
Pitch circle - Ø of mounting bolts	G ^{+0.1} mm	82.6	104.8	133.4	171.4	235	330.2	330.2
Pitch circle - Ø of protective sleeve	T1 ^{+0.1} mm	44	54	68	86	104	145	185
Jaw stroke	D mm	2.7	3.15	5.3	5.3	5.3	8	8
Position of Jaw min	c mm	25.15	28.65	35.7	43.7	54.2	74	92
Position of Jaw max	c mm	27.85	31.8	41	49	59.5	82	100
Jaw mounting bolts	d	M8	M10	M12	M16	M16	M20	M20
Distance of Jaw mounting bolts	e mm	8	9	9	10	10	15	15
Distance of Jaw mounting bolts	n1 mm	30	38.5	50	60	85	103	130
Minimum distance	n mm	14	19	19	25	25	34	34
Distance T-nut and serration	Y2 mm	2	3	3.5	3.5	3.5	3.5	3.5
Length of serration	a mm	41	50.7	59	76	98	118	150
Jaw breath								
Jaw width	b mm	23	35	40	45	50	60	60
Slot with imperial	q H7 mm	10	12	17	21	21	25.5	25.5
Slot with metric	q H7 mm	10	12	17	21	21	25.5	25.5
Pitch of serration/imperial	j	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	3/32" x 90°	3/32" x 90°
Pitch of serration/Metric	j	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°
Performance data								
External Clamping Max / Min		135 / 25	165 / 32	200 / 25	250 / 28	315 / 42	400 / 45	500 / 74
Internal Clamping Max / Min		135 / 50	165 / 62	200 / 70	250 / 76	315 / 84	400 / 105	500 / 138
Max. Drawbar pull	kgf	1700	2000	4000	6000	6000	9000	9000
Max. Gripping force	kgf	3600	5400	8000	12000	13000	20000	21000
Rpm max	1/min	7000	5000	5000	4000	3200	2500	2000
Weight	kg	10	13.7	16	26	38	94	132
Flywheel effect GD2	kpm ²	0.15	0.2	0.38	0.8	2.6	8.4	24.8
Max top jaw weight	kg	1.25	1.5	1.7	3.5	4	7.5	7.5



Dimensions / Performance data 3B - PS

Type 3 PS / Chuck Size			110	125	160	200	250	315	400	500
Dimensions										
Outer diameter	AØ	mm	110	125	160	200	250	315	400	500
Mounting recess	EØ H6	mm	92	115	150	185	185	300	300	460
Bore	B1Ø	mm	45	60	78	97	97	120	180	180
Mounting bolts	H		M8	M12	M12	M12	M16	M20	M24	M24
Actuator-Ø	O1Ø	mm	—	35	40	48	48	52	75	75
	OØ	mm	—	27	31.5	35	35	35	46	46
Puller thread protective sleeve	S1		—	M5	M6	M6	M5	M8	M8	M8
Chuck width	C	mm	31.5	61	81	93	93	98	127	127
Chuck width	C1	mm	38.5	69.5	87	100	103.5	109	131	136
	F	mm	3	6	6	6	6	6	6	6
Pitch circle - Ø of mounting bolts	GØ ±0.1	mm	80	92	125	160	140	250	250	300
Pitch circle - Ø of protective sleeve	T1Ø ±0.1	mm	55	40	58	75	75	80	105	105
	TØ	mm	65	52	68	89	89	98	145	145
Jaw stroke	D	mm	2.1	4.2	4.2	5.4	5.4	5.4	8	8
	C4	mm	76	104.5	132	154.5	163.5	174	212	225
Minimum distance	n	mm	12	15	25	30	35	40	50	60
Jaw mounting bolts	d		M6	M8	M10	M12	M14	M16	M20	M20
Position of Jaw min	c	mm	23.9	17.9	22.5	25.6	25.3	33.4	48.8	48.8
Position of Jaw max	c	mm	26	22.1	26.7	31	30.7	38.8	56.8	56.8
Thread mounting	H1		* M 20 x 1.5	M12	M16	M20	M20	M20	M24	M24
Thread length of actuator	J1	mm	—	43	55	70	70	68	54	54
Actuator position	Z	mm	—	25	25	30	30	30	30	30
Actuator stroke	N	mm	8.5	19	19	22	22	22	30	30
Jaw width	b	mm	25	25	38	38	45	45	60	60
Jaw height	v1	mm	31	35	45	53	60	65	81	89
Slot with imperial	q H7	mm	8	10	12	14	17	21	25.5	25.5
Slot with metric	q H7	mm	8	10	12	14	17	21	25.5	25.5
Basejaw protr. over chuck face	S	mm	4	6	5	4.5	8	7	6	6
Pitch of serration/Imperial	j		1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	3/32" x 90°	3/32" x 90°
Pitch of serration/Metric	j		1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°
Performance data										
External Clamping Min		mm	4	10	18	20	24	50	95	108
External Clamping Max		mm	110	125	160	200	250	315	400	500
Internal Clamping Min		mm	22	34	34	56	60	72	102	102
Internal Clamping Max		mm	110	125	160	200	250	315	400	500
Drawbar pull		kgf	700	860	1280	2130	3680	5380	8720	8720
Rpm max		1/min	4000	3200	2800	2300	2000	1700	1400	900
Weight Approx.		kgs	2.1	8	11	19	31	60	100	160

*Drawbar will be threaded on to wedge