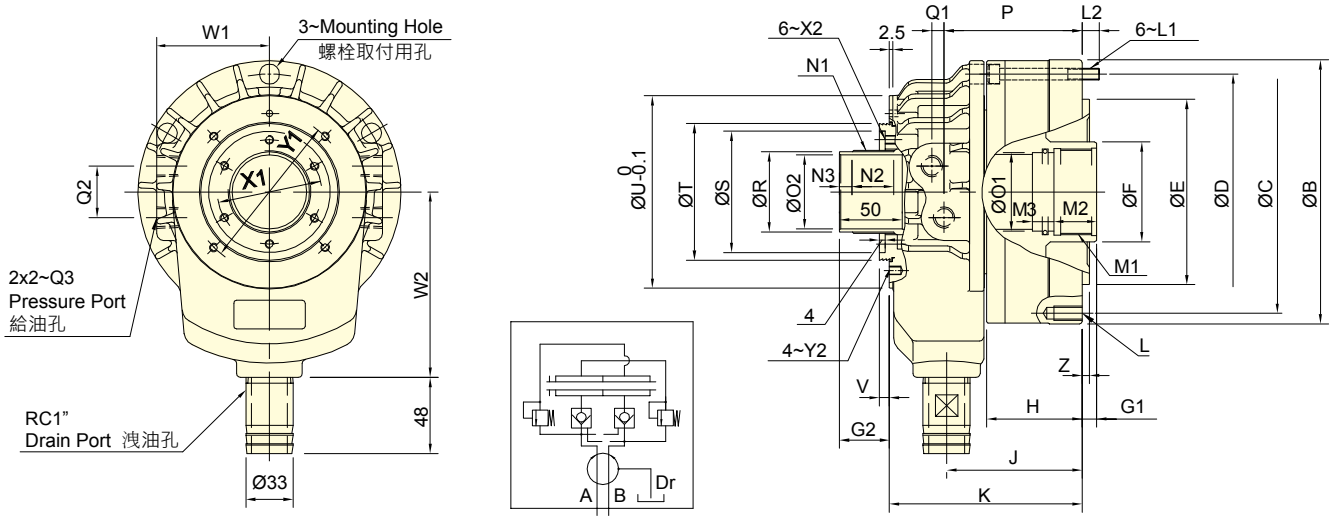


- 超短，大孔徑型迴轉油壓缸，全長僅為從來型的2/3。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- Super short form, light weight large Through-Hole, just as 2/3 of typical model length.
- Built-in safety check valves and pressure relief valves.
- Can screw it from the rear end of the cylinder when mounting.

- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量	總洩漏量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight	Total oil leakage
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg	lit. / min.
TK-A528	73.0	69.7	12	8000	4.5 (45)	0.012	6.2	3.0
TK-A533	73.0	69.7	12	8000	4.5 (45)	0.012	6.0	3.0
TK-C643	99.1	88.0	15	7000	4.5 (45)	0.018	7.5	3.0
TK-A646	105.0	93.9	15	7000	4.5 (45)	0.018	7.3	3.0
TK-B646	105.0	93.9	15	7000	4.5 (45)	0.018	8.6	3.0
TK-C646	99.1	88.0	15	7000	4.5 (45)	0.018	7.5	3.0
TK-B846	135.3	125.0	20	6300	4.5 (45)	0.032	12.4	3.9
TK-A853	135.3	125.0	20	6300	4.5 (45)	0.032	11.8	3.9
TK-B853	135.3	125.0	20	6300	4.5(45)	0.032	11.7	3.9
TK-A1068	170.1	155.3	25	5500	4.5 (45)	0.065	19.2	4.2
TK-A1075	170.1	155.3	25	5500	4.5(45)	0.065	18.8	4.2
TK-A1078	170.1	155.3	25	5500	4.5 (45)	0.065	17.4	4.2

* 集水盒及行程確認裝置請參閱零附件頁面。*Coolant Collector and Confirmation Device Please See Accessories pages.

外型尺寸 DIMENSIONS

Model	A 內徑 I.D.	B	C	D	E h7	F	G1 max.	G1 min.	G2 max.	G2 min.	H	J	K	L	L1	L2	M1	M2	M3
TK-A528	105	141	125	125	110	45	12	0	38	26	49	77.5	123	6~M10x20	M8x55	14	M38x1.5	25	13
TK-A533	105	141	125	125	110	45	12	0	38	26	49	77.5	123	6~M10x20	M8x55	14	M38x1.5	25	13
TK-C643	128	156	140	140	120	65	15	0	44	29	56	85	125	12~M10x20	M8x60	12	M50x2	25	13
TK-A646	128	162	147	147	130	65	15	0	44	29	56	85	125	12~M10x20	M8x60	12	M55x2	25	13
TK-B646	128	162	130	147	100	65	15	0	44	29	66	95	135	12~M10x20	M8x70	12	M55x2	30	15
TK-C646	125	156	140	140	120	65	15	0	44	29	56	85	125	12~M10x20	M8x60	12	M55x2	25	13
TK-B846	145	185	170	165	130	70	20	0	48	28	66	95	135	12~M10x20	M8x70	12	M55x2	30	15
TK-A853	145	185	170	165	140	70	20	0	48	28	66	95	135	12~M10x20	M8x70	12	M60x2	30	15
TK-B853	145	185	170	165	130	70	20	0	48	28	66	95	135	12~M10x20	M8x70	12	M60x2	30	15
TK-A1068	170	212	190	190	160	95	25	0	50	25	74	108	158	12~M10x20	M10x80	16	M75x2	35	15
TK-A1075	170	212	190	190	160	95	25	0	50	25	74	108	158	12~M10x20	M10x80	16	M85x2	35	15
TK-A1078	170	212	190	190	160	95	25	0	50	25	74	108	158	12~M10x20	M10x80	16	M87x2	35	15

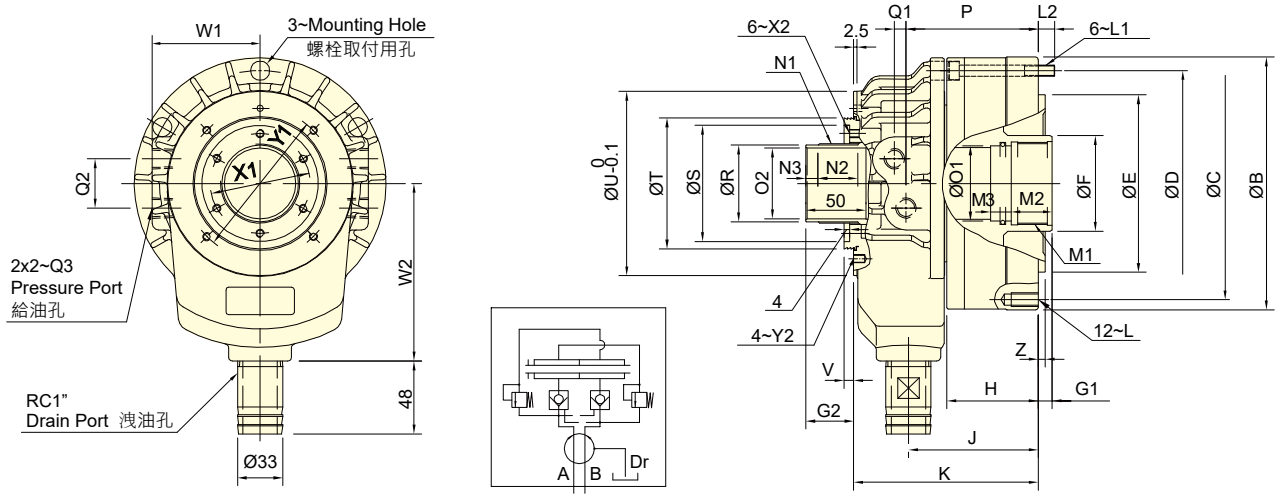
Model	N1	N2	N3	O1 H8	O2 H8	P	Q1	Q2	Q3	R g7	S H7	T	U	V	W1	W2	X1	X2	Y1	Y2	Z
TK-A528	M39x1.5	25	8	35	28	79	8.5	30	RC1/4	37	62	70	98	6	62	110	49	M6x6	83	M5x6	5
TK-A533	M39x1.5	25	8	35	33	79	8.5	30	RC1/4	37	62	70	98	6	62	110	49	M6x6	83	M5x6	5
TK-C643	M52x1.5	29	9	45	43	87	8.5	36	RC3/8	50	76	85	116	9.5	74	120	64	M6x10	98	M5x6	5
TK-A646	M52x1.5	29	9	50	46	87	8.5	36	RC3/8	50	76	85	116	9.5	74	120	64	M6x10	98	M5x6	5
TK-B646	M52x1.5	29	9	50	46	97	8.5	36	RC3/8	50	76	85	116	9.5	74	120	64	M6x10	98	M5x6	5
TK-C646	M52x1.5	29	9	50	46	87	8.5	36	RC3/8	50	76	85	116	9.5	74	120	64	M6x10	98	M5x6	5
TK-B846	M58x1.5	30	8	50	46	97	8.5	36	RC3/8	56	85	96	128	11.5	79	130	73	M6x12	110	M6x6	5
TK-A853	M58x1.5	30	8	55	53	97	8.5	36	RC3/8	56	85	96	128	11.5	79	130	73	M6x12	110	M6x6	5
TK-B853	M58x1.5	30	8	55	53	97	8.5	36	RC3/8	56	85	96	128	11.5	79	130	73	M6x12	110	M6x6	5
TK-A1068	M84x2	34	9	70	68	110	12	40	RC1/2	81	108	121	164	10	98	160	98	M6x12	155	M6x8	5
TK-A1075	M84x2	34	9	80	75	110	12	40	RC1/2	81	108	121	164	10	98	160	98	M6x12	155	M6x8	5
TK-A1078	M84x2	34	9	82	78	110	12	40	RC1/2	81	108	121	164	10	98	160	98	M6x12	155	M6x8	5

超短型中空迴轉油壓缸 (二)
SHORT TYPE ROTATING HYDRAULIC CYLINDER WITH THRU-HOLE AND SAFETY DEVICE



- 超短，大孔徑型迴轉油壓缸，全長僅為從來型的2/3。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- Super short form, light weight large Through-Hole, just as 2/3 of typical model length.
- Built-in safety check valves and pressure relief valves.
- Can screw it from the rear end of the cylinder when mounting.

- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量	總洩漏量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight	Total oil leakage
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg	lit. / min.
TK-A1287	234.0	217.5	30	3800	4.0 (40)	0.092	24.8	4.5
TK-A1291	234.0	217.5	30	3800	4.0 (40)	0.092	24.8	4.5
TK-A1511	336.4	315.2	30	3000	3.5(35)	0.38	57.9	7.0
TK-A1512	336.4	315.2	30	3000	3.5(35)	0.38	53.8	7.0
TK-A1512-35	336.4	315.2	35	3000	3.5(35)	0.38	53.8	7.0
TK-2114	373.2	336.1	35	2500	3.0 (30)	0.54	58.2	8.0
TK-A2114	373.2	336.1	35	2500	30.(30)	0.54	58.2	8.0

* 集水盒及行程確認裝置請參閱零附件頁面。*Coolant Collector and Confirmation Device Please See Accessories pages.

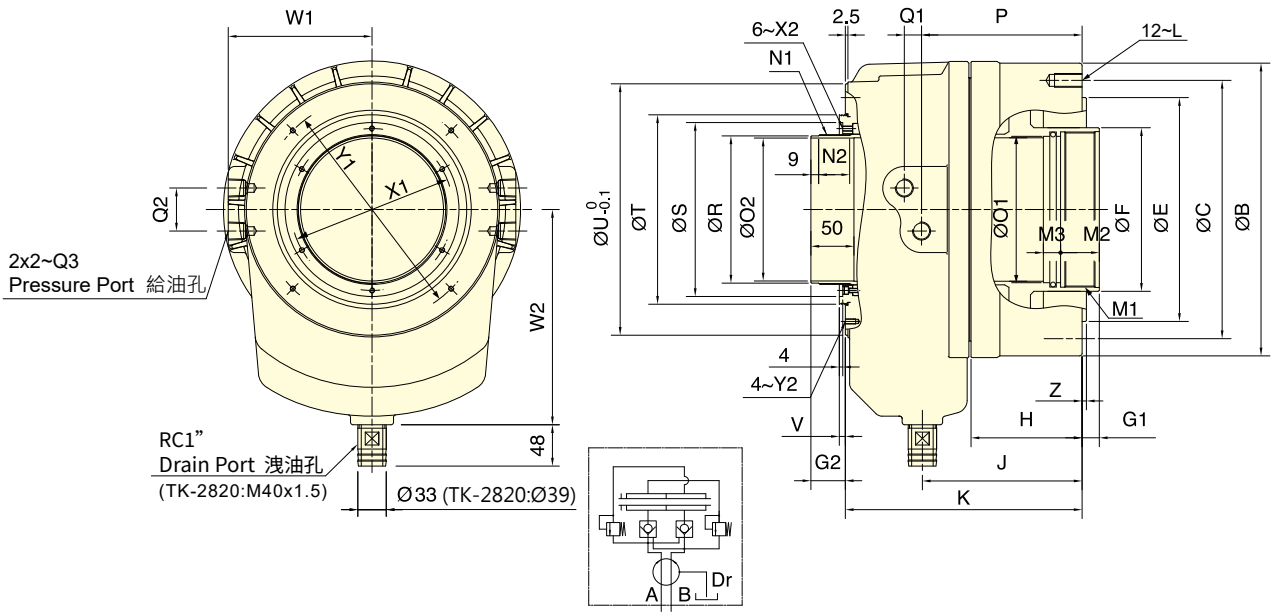
外型尺寸 DIMENSIONS

Model	A 內徑 I.D.	B	C	D	E h7	F	G1 max.	G1 min.	G2 max.	G2 min.	H	J	K	L	L1	L2	M1	M2	M3	N1
TK-A1287	200	245	215	225	180	110	30	0	59	29	86	126	184	M12x24	M10x90	14.5	M95x2	35	15	M99x2
TK-A1291	200	245	215	225	180	110	30	0	59	29	86	126	184	M12x24	M10x90	14.5	M100x2	35	15	M99x2
TK-A1511	245	300	275	275	230	140	30	0	58	28	102	156	226	M16x36	M12x110	21	M120x2	45	15	M129x2
TK-A1512	245	300	275	275	230	140	30	0	58	28	102	156	226	M16x36	M12x110	21	M130x2	45	15	M129x2
TK-A1512-35	245	300	275	275	230	140	35	0	63	28	102	161	231	M16x36	M12x115	21	M130x2	45	15	M129x2
TK-2114	265	320	295	295	240	165	35	0	60	25	115	173.5	247.5	M16x32	M12x120	17.5	M155x2	45	20	M149x2
TK-A2114	265	320	295	295	240	165	35	0	60	25	108.5	167	241	M16x36	M12x120	19	M155x2	45	20	M149x2

Model	N2	N3	O1 H8	O2 H8	P	Q1	Q2	Q3	R g7	S H7	T	U	V	W1	W2	X1	X2	Y1	Y2	Z
TK-A1287	38	9	90	87	127.5	15	45	RC1/2	96	120	138	180	7	110	185	108	M6x10	165	M6x10	5
TK-A1291	38	9	95	91	127.5	15	45	RC1/2	96	120	138	180	7	110	185	108	M6x10	165	M6x10	5
TK-A1511	38	9	115	110	153.75	17	50	RC1/2	126	150	170	227	7	134	210	138	M6x10	210	M6x9	6
TK-A1512	38	9	125	120	153.75	17	50	RC1/2	126	150	170	227	7	134	210	138	M6x10	210	M6x9	6
TK-A1512-35	38	9	125	120	158.75	17	50	RC1/2	126	150	170	227	7	134	210	138	M6x10	210	M6x9	6
TK-2114	38	9	145	140	170	17	50	RC1/2	146	170	190	250	7	145	210	160	M6x10	230	M6x10	6
TK-A2114	38	9	145	140	163.5	17	50	RC1/2	146	170	190	250	7	145	210	160	M6x10	230	M6x9	6



- 全新短型設計，大孔徑型迴轉油壓缸。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- New design, short form, light weight large through-hole.
- Built-in safety check valves and pressure relief valves.
- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量	總洩漏量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight	Total oil leakage
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg	lit. / min.
TK-2416	418.4	375.4	35	2000	3.0 (30)	1.12	78.0	9.0
TK-2416L	418.4	375.4	51	2000	3.0 (30)	1.31	79.2	9.0
TK-2820	526.2	472.6	51	1600	3.0 (30)	2.4	134.0	10.0

外型尺寸 DIMENSIONS

Model	A	B	C	E	F	G1		G2		H	J	K	L	M1	M2	M3	N1	N2
	內徑I.D.			h7		max.	min.	max.	min.									
TK-2416	290	340	300	260	190	35	0	60	25	129	185.5	275	M16x32	M180x3	45	20	M174x2	38
TK-2416L	290	340	300	260	190	51	0	76	25	145	201.5	291	M16x32	M180x3	45	20	M174x2	52
TK-2820	340	395	360	320	235	51	0	76	25	152	212.5	316	M20x40	M220x3	45	20	M218x2	52

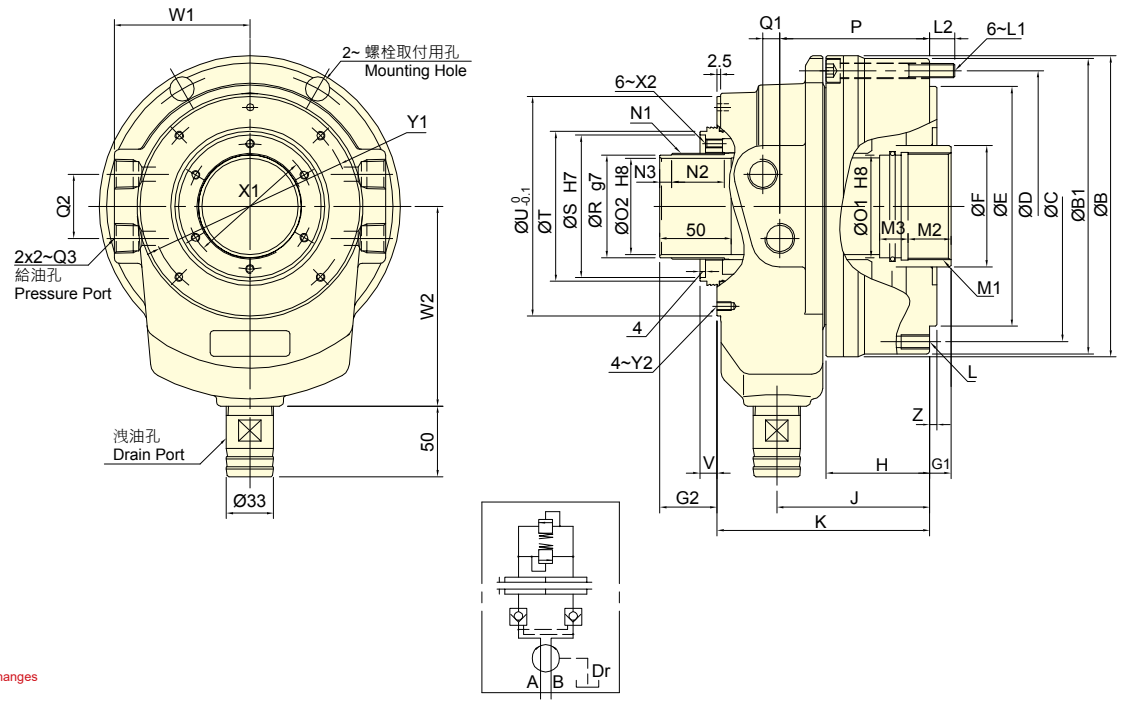
Model	O1	O2	P	Q1	Q2	Q3	R	S	T	U	V	W1	W2	X1	X2	Y1	Y2	Z
	H8	H8					g7	H7										
TK-2416	170	166	186.5	20	50	RC1/2	171	202	220	292	7	167	250	188	M6x11	260	M6x12	5
TK-2416L	170	166	202.5	20	50	RC1/2	171	202	220	292	7	167	250	188	M6x11	260	M6x12	6
TK-2820	210	205	216	21	50	RC1/2	215	262	285	360	7	202.5	300	240	M6x12	320	M6x12	6

* 集水盒及行程確認裝置請參閱零附件頁面。*Coolant Collector and Confirmation Device Please See Accessories pages.



- 全新短型設計，超大孔徑型迴轉油壓缸。
- 超大孔徑的貫通孔徑設計使加工物之貫通孔徑的範圍增大。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- Bigger bore through-hole design.Super short form, light weighted.
- Built-in safety check valves and pressure relief valves.
- Front/Rear end mounting.

- 可選購 Ø40 或 Ø60 加大排水管接頭。
- 可附加線性定位系統機構。(選購品)
- Diameter of coolant collector's drain port is optional.
  Default : Ø33 ; optional : Ø40, Ø60.
- Linear sensor can be attached.(optional)



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量	總洩漏量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight	Total oil leakage
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg	lit. / min.
TS-539	72.4	67.1	15	8000	4.5(45)	0.012	6.9	3.0
TS-866	168.0	155.5	25	5600	4.5(45)	0.056	16.3	4.0
TS-1081	189.2	174.3	25	4800	4.5(45)	0.085	21.2	4.3
TS-1210	231.7	222.0	30	3500	3.5(35)	0.193	35.6	6.0

外型尺寸 DIMENSIONS

Model	A 內徑 I.D.	B	B1	C	D	E h7	F	G1 max.	G1 min.	G2 max.	G2 min.	H	J	K	L	L1	L2	M1	M2	M3
TS-539	107	143	141	125	125	110	52	15	0	42.5	27.5	57	91	124	6~M10x20	M8x60	12	M45x1.5	25	12
TS-866	165	211	207	190	190	168	85	25	0	55	30	72.5	107	149	12~M10x20	M10x80	17.5	M75x2	35	15
TS-1081	180	226	222	205	205	168	100	25	0	58	33	74	115	166	12~M10x20	M10x90	18	M90x2	35	15
TS-1210	210	263	260	240	240	200	125	30	0	64	34	93.5	136.5	193.5	12~M10x20	M12x100	20	M115x2	35	15

Model	N1	N2	N3	O1 (H8)	O2 (H8)	P	Q1	Q2	Q3	R (g7)	S (H7)	T	U	V	W1	W2	X1	X2	Y1	Y2	Z
TS-539	M44x1.5	26	8	42	39	85	8.5	30	RC1/4	42	69	72	103	10	62.5	100	54	M6x10	90	M5x12	5
TS-866	M74x1.5	37	8	72	66.5	105	12	45	RC1/2	72	100	111	154	12	95	140	88	M6x12	140	M6x10	5
TS-1081	M89X2.0	38	9	85	81	109	15	45	RC1/2	86	113	123	175	16	103	160	103	M6x12	160	M6X10	5
TS-1210	M118x2.0	47	9	110	106	131	16	46	RC1/2	115	145	151	210	16	103	160	133	M6x12	195	M6x11	5

* 集水盒及行程確認裝置請參閱零附件頁面。*Coolant Collector and Confirmation Device. Please See Accessories pages.

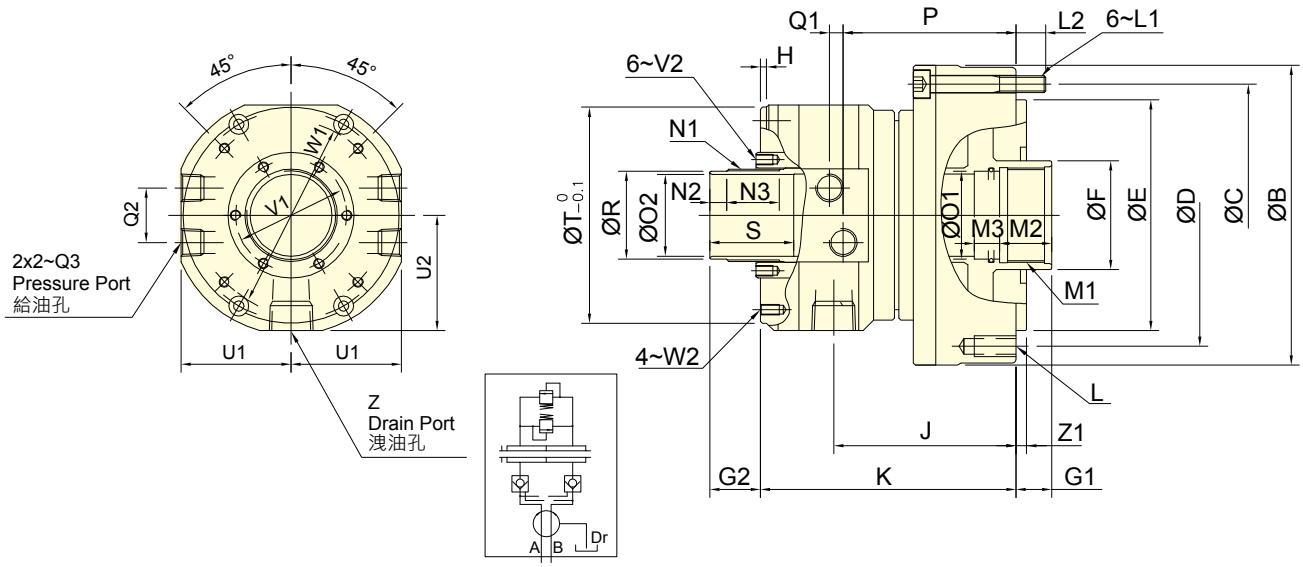
輕短型中空迴轉油壓缸
SMALL TYPE ROTARY HYDRAULIC CYLINDER WITH THRU-HOLE AND SAFETY DEVICE

超短高速輕量型



- 外型短小精巧、重量輕巧，節省安裝空間。
- 內建逆止閥與洩壓閥，提供完善的安全保護。
- 大給油孔與大洩油孔設計，供油量充足、排油順暢。
- 支援前鎖與後鎖兩種安裝方式，空間配置更具彈性。
- 適用於立式與臥式主軸加工設備。
- Compact short-length design with lightweight construction for space-saving installation.
- Built-in check valve and pressure relief valve ensure enhanced operational safety.
- Large oil inlet and drain ports provide high oil flow and smooth drainage.
- Supports both front-end and rear-end mounting for flexible installation options.
- Suitable for use with both vertical and horizontal spindles.

- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量	總洩漏量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight	Total oil leakage
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	$kg·m^2$	kg	lit. / min.
TR-433	49.5	45.4	10	8000	4.0(40)	0.010	6.8	3.0
TR-536	56.4	54.2	15	8000	4.0(40)	0.011	6.4	3.0
TR-539	72.4	67.1	15	8000	4.0(40)	0.010	6.8	3.0
TR-A646	105	93.9	15	7000	4.0(40)	0.015	9.5	3.0
TR-B646	105	93.9	15	7000	4.0(40)	0.015	10	3.0
TR-853	135.3	125	20	6300	4.0(40)	0.032	11.5	3.9
TR-1075	170	155	25	4500	4.0(40)	0.065	18	4.2
TR-1291	234	217.5	30	3500	4.0(40)	0.092	29.5	4.5

* 集水盒及行程確認裝置請參閱零附件頁面。*Coolant Collector and Confirmation Device Please See Accessories pages.

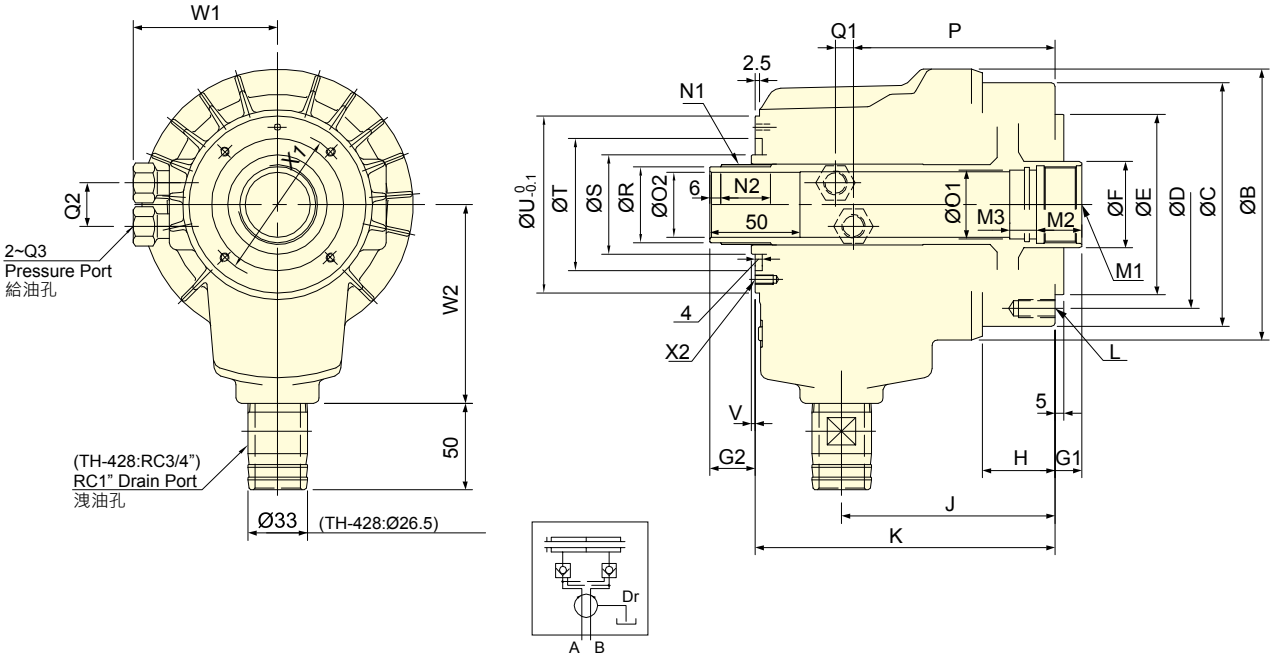
外型尺寸 DIMENSIONS

Model	A 內徑 I.D.	B	C	D	E h7	F	G1 max.	G1 min.	G2 max.	G2 min.	H	J	K	L	L1	L2	M1	M2	M3
TR-433	90	120	106	100	80	46	10	0	30	20	3.5	97	133	6-M8x15	M8x60	12	M40x1.5	25	10
TR-536	97	133	115	115	100	48	15	0	34	19	3.5	97	133	6-M10x20	M8x60	12	M42x1.5	25	15
TR-539	107	143	125	125	110	52	15	0	34	19	4	97	133	6-M10x20	M8x60	12	M45x1.5	25	12
TR-A646	128	165	147	147	130	65	15	0	34	19	3.5	97	135	12-M10x20	M8x60	11.5	M55x2	25	13
TR-B646	128	162	147	130	100	65	15	0	34	19	3.5	107.5	145	12-M10x20	M8x70	11.5	M55x2	30	15
TR-853	145	185	165	170	130	70	20	0	47	27	4.5	118.5	160	12~M10X20	M8x75	12	M60x2	30	15
TR-1075	170	212	190	190	160	95	25	0	52	27	4.5	129.5	181	12~M10x20	M10x85	16	M85x2	35	15
TR-1291	200	248	225	215	180	110	30	0	59	29	5	146	240.5	12~M12x24	M10x95	16	M100x2	35	15

Model	N1	N2	N3	O1 H8	O2 H8	P	Q1	Q2	Q3	R g7	S	T	U1	U2	V1	V2	W1	W2	Z	Z1
TR-433	M39x1.5	8	25	36	33	92.5	6.5	26	RC1/4	37	40	98	52.5	55	50	M5x8	83	M5x9	RC1/2	5
TR-536	M44x1.5	6	28	38	36	92.5	6.5	26	RC1/4	42	43	98	52.5	55	53	M5x8	83	M5x7	RC1/2	5
TR-539	M44x1.5	8	25	42	39	92.5	6.5	26	RC1/4	42	40	103	52.5	55	53	M5x8	90	M5x9	RC1/2	5
TR-A646	M52x1.5	8	25	50	46	95	5	32	RC3/8	50	50	116	59	62	61.5	M5x9	98	M5x9	RC1/2	5
TR-B646	M52x1.5	8	30	50	46	105	5	32	RC3/8	50	50	116	59	62	61.5	M5x8	98	M5x9	RC1/2	5
TR-853	M58x1.5	8	30	55	53	114	8	34	RC 3/8	56	50	128	65	67	70	M5x10	110	M6x11	RC 1/2	5
TR-1075	M84x2	9	33	80	75	123.5	12	40	RC 1/2	81	50	164	83	86	95	M5x10	155	M6x11	RC 3/4	5
TR-1291	M99x2	9	38	95	91	139	14	45	RC1/2	96	50	180	91.5	93	110.5	M6x12	165	M6x12	RC3/4	5



- 超高速，輕量，大孔徑型迴轉油壓缸。
- 內建逆止閥自鎖機構，可防止壓力源故障或配管部損傷時，確保壓力不致遽降，而能持續穩固的夾持工作物。
- Super high speed, light weight large Through-Hole.
- Built-in check valve which prevents the internal pressure from sudden declining so that the workpiece will not fly out and cause a serious accident.
- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量	總洩漏量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight	Total oil leakage
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg	lit. / min.
TH-428	53.2	50.5	10	8000	4.0(40)	0.008	5.8	3.0
TH-A536	69.8	67.5	15	8000	4.0(40)	0.05	8.3	3.0

外型尺寸 DIMENSIONS

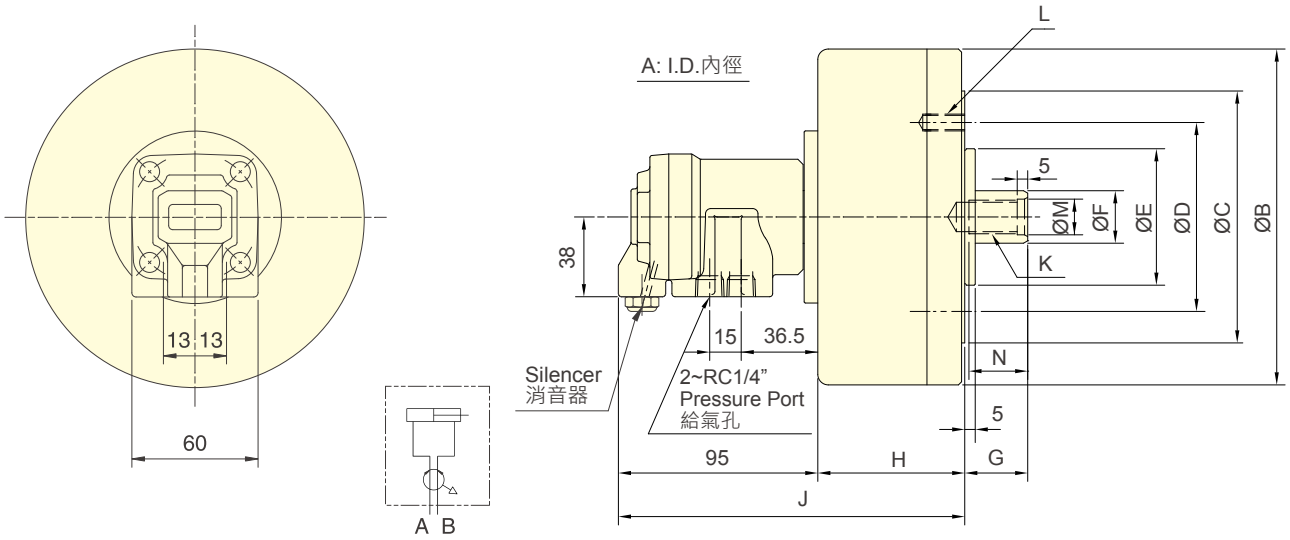
Model	A 內徑 I.D.	B	C	D	E (h7)	F	G1 max.	G1 min.	G2 max.	G2 min.	H	J	K	L	M1	M2	M3
TH-428	90	130	120	100	80	40	10	0	35	25	45	127.5	155	6-M8x15	M33x1.5	25	12
TH-A536	105	150	135	115	100	48	15	0	40	25	40	118	166	6-M10x20	M42x1.5	25	15

Model	N1	N2	O1 (H8)	O2 (H8)	P	Q1	Q2	Q3	R (g7)	S	T	U	V	W1	W2	X1	X2
TH-428	M34x1.5	26	30	28	101.5	11	24	RC1/4	32	45	65	86	4	72	105	76	M4x7
TH-A536	M44x1.5	28	38	36	111.5	10	24	RC1/4	42	55	73	98	4	80	110	83	M5x10

* 集水盒及行程確認裝置請參閱零附件頁面。*Coolant Collector and Confirmation Device Please See Accessories pages.



- 迴轉閥體與缸體皆採用特殊輕合金製造而成，重量輕。
- 迴轉閥經特殊設計，能使壓縮空氣的消耗量大量減少，充分發揮高經濟效益。
- The rotary valve and cylinder body, all made of special light alloy, are light-weight.
- Through unique design, the rotary valve can considerably reduce the waste in compressing air and efficiently increase its utillization.
- 使用時，請混入微量的油霧。
- When used, a little oil mist should be contained.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量	空氣洩漏量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight	Air Leakage(6kgf/cm²)
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg	cc/sec
RA-100	77.0	74.4	15	6000	0.8(8)	0.03	3.9	400
RA-130	131.2	124.7	15	5000	0.8(8)	0.05	5.2	400
RA-170	225.4	219.0	20	5000	0.8(8)	0.18	8.5	400
RA-220	378.6	369.3	25	4000	0.8(8)	0.36	14.5	400
RA-270	571.0	562.9	30	3000	0.8(8)	0.75	18.4	400

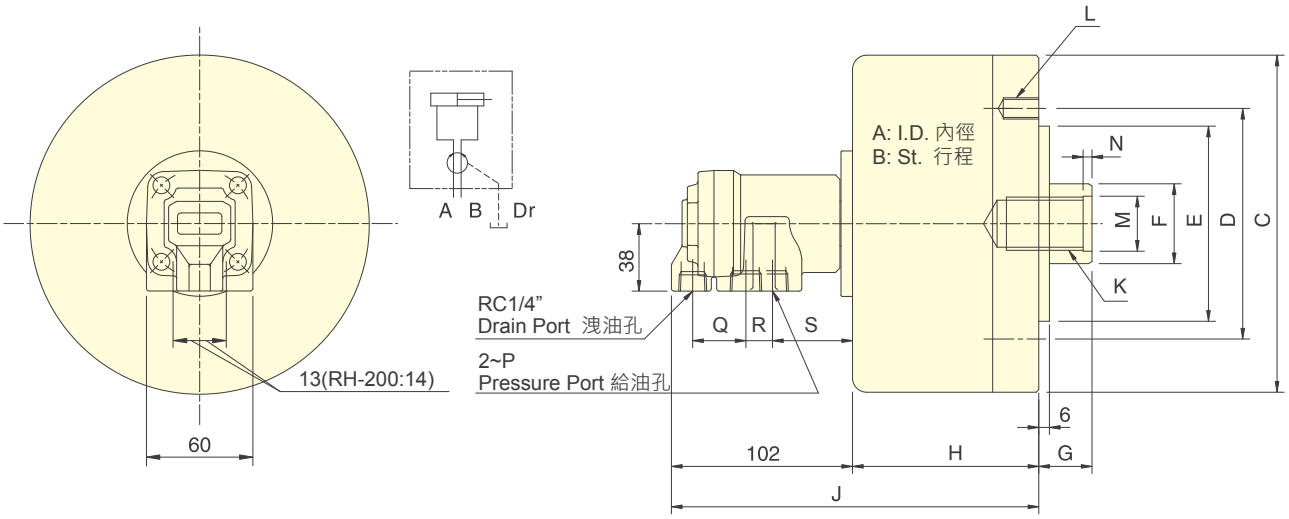
外型尺寸 DIMENSIONS

Model	A	B	C	D	E (h7)	F	G max.	G min.	H	J	K	L	M (H8)	N
RA-100	100	130	-	80	60	22	50	35	65	160	M12x1.75	6-M8x16	13	25
RA-130	130	160	120	90	65	25	45	30	70	165	M16x2.0	6-M8x16	17	30
RA-170	170	200	140	100	80	25	45	25	85	180	M16x2.0	6-M10x18	17	30
RA-220	220	255	170	130	110	30	50	25	91	186	M20x2.5	6-M12x20	21	35
RA-270	270	305	190	130	110	35	55	25	105	200	M24x3.0	6-M12x20	25	40



- 迴轉閥體與缸體皆採用特殊輕合金製造而成，重量輕。
- 迴轉閥經特殊設計，使得內部的軸承能充分的潤滑及冷卻，而能耐高速迴轉，增長壽命。
- The rotary valve and cylinder body, all made of special light alloy, light-weight.
- Through unique design, the rotary valve enables the inside bearing to get sufficient lubricating and cooling and endure high-speed rotary for longer service life.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RH-65	31.0	27.9	15	6000	3.5(35)	0.01	2.9
RH-80	47.7	42.8	15	6000	3.5(35)	0.01	3.4
RH-100	75.4	70.5	20	5500	3.5(35)	0.04	4.9
RH-125	119.6	112.5	25	5500	3.5(35)	0.08	6.8
RH-200	310.0	286.3	35	4000	4.0(40)	0.38	20.4

外型尺寸 DIMENSIONS

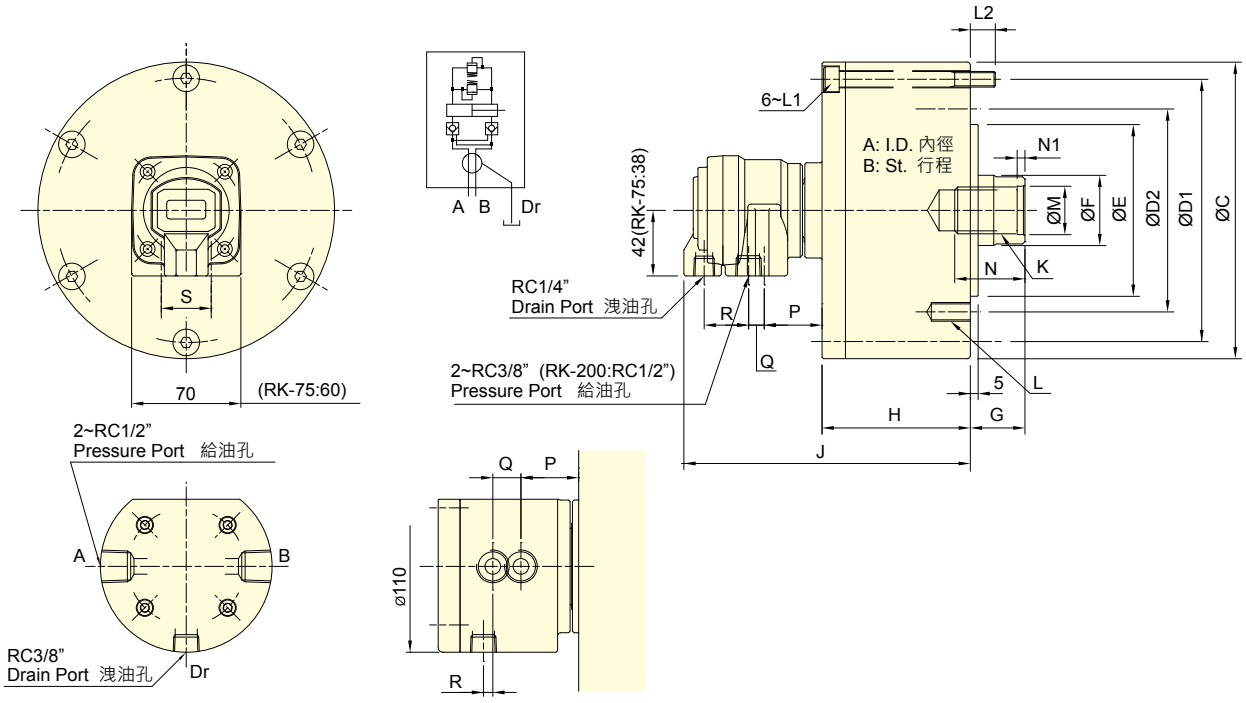
Model	A	B	C	D	E (h7)	F	G max.	G min.	H	J	K	L	M (H8)	N	P	Q	R	S
RH-65	65	15	98	80	60	22	45	30	73	175	M12x1.75x30	6~M8x16	14	4	RC3/8	30	15	45
RH-80	80	15	112	90	65	25	45	30	74	176	M16x2.0x30	6~M8x16	17	4	RC3/8	30	15	45
RH-100	100	20	135	100	80	25	45	25	88.5	190.5	M16x2.0x30	6~M10x20	17	4	RC3/8	30	15	45
RH-125	125	25	160	130	110	30	50	25	95.5	197.5	M20x2.5x35	6~M12x20	21	4	RC3/8	30	15	45
RH-200	200	35	245	145	120	55	70	35	130	232	M36x4	12~M16x30	38	5	RC1/2	31	16	43

附逆止閥中實迴轉油壓缸
ROTATING HYDRAULIC CYLINDER WITH SAFETY DEVICE



- 短型，高速，輕量型迴轉油壓缸。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder.
- Built-in safety check valves and pressure relief valves.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



RK-250

保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

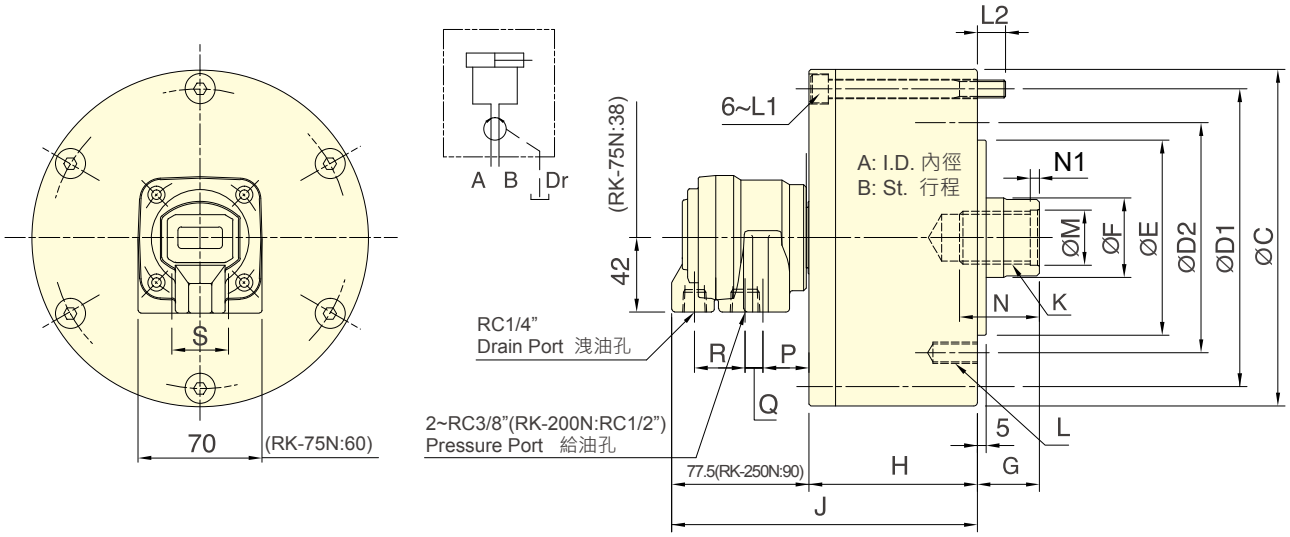
型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RK-75	44.2	37.1	15	6000	4.0 (40)	0.01	2.9
RK-100	78.5	71.5	20	6000	4.0 (40)	0.03	4.4
RK-125	122.7	113.1	25	6000	4.0 (40)	0.05	6.9
RK-150	176.7	160.8	30	5500	4.0 (40)	0.09	9.5
RK-200	314.1	290.4	35	5500	4.0 (40)	0.28	15.4
RK-250	469.1	436.0	60	2000	5.0(50)	0.40	45.2

外型尺寸 DIMENSIONS

Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	J	K	L	L1	L2	M (H8)	N	N1	P	Q	R	S
RK-75	75	15	107	90	90	65	30	45	30	57	148	M20x2.5	6-M8x16	M8x60	12	21	35	5	41.5	10	27.5	26
RK-100	100	20	132	115	100	80	30	45	25	72	163	M20x2.5	6-M10x20	M8x75	12	21	35	5	39.5	10	28.5	32
RK-125	125	25	160	140	130	110	35	50	25	82	172	M24x3.0	6-M12x20	M8x85	12	25	45	5	38.5	10	28.5	32
RK-150	150	30	190	170	130	110	45	55	25	95	184	M30x3.5	12-M12x24	M10x100	15.5	32	45	5	37	10	28.5	32
RK-200	200	35	245	220	145	120	55	70	35	115	201	M36x4.0	12-M16x30	M10x125	21	38	60	5	38	6	28.5	28
RK-250	245	60	307	275	220	160	65	85	25	165	255	M42x3.0	12-M20x35	M16x175	28	45	65	12	33	18	6	-



- 短型，高速，輕量型迴轉油壓缸。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利
Subject to technical changes

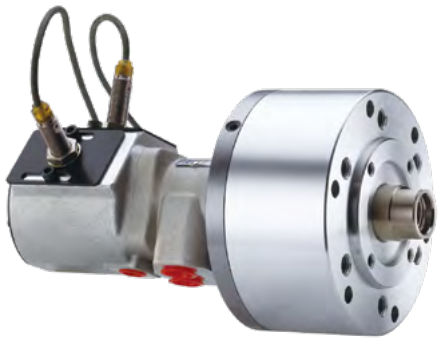
技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RK-75N	44.2	37.1	15	6000	4.0(40)	0.01	2.8
RK-100N	78.5	71.5	20	6000	4.0(40)	0.03	4.3
RK-125N	122.7	113.1	25	6000	4.0(40)	0.05	6.8
RK-150N	176.7	160.8	30	5500	4.0(40)	0.09	9.4
RK-200N	314.1	290.4	35	5500	4.0(40)	0.28	15.3
RK-250N	469.1	436.0	60	2000	5.0(50)	0.40	45.2

外型尺寸 DIMENSIONS

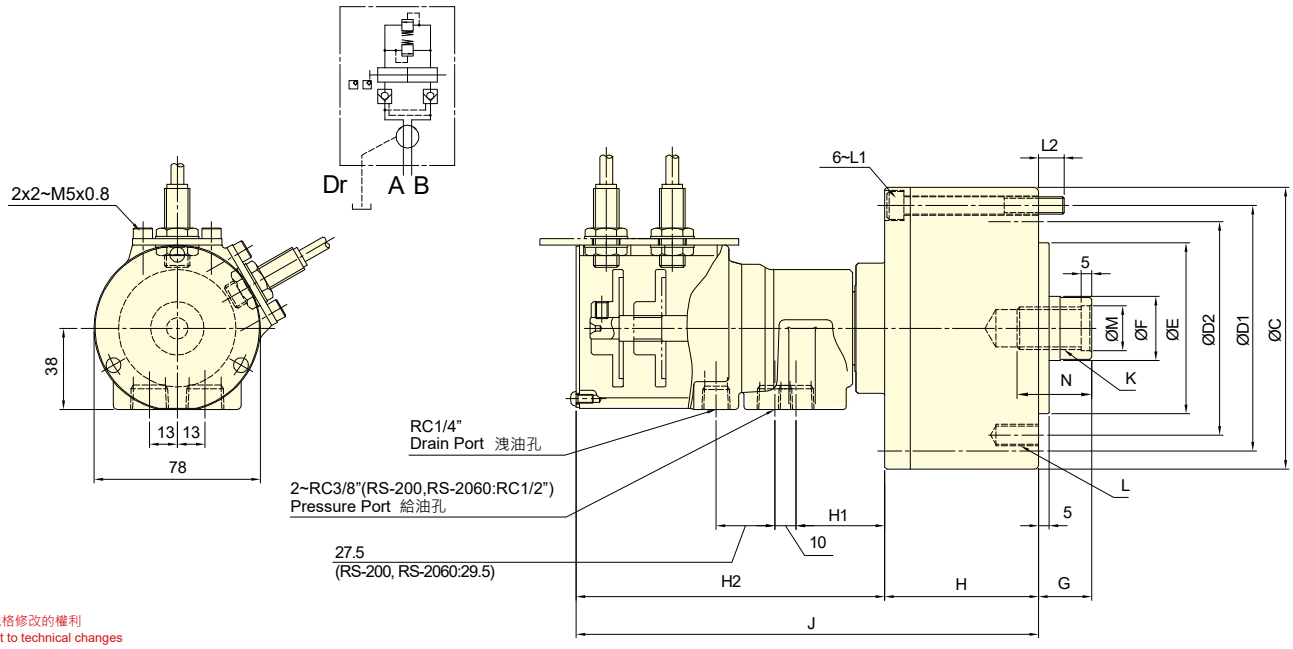
Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	J	K	L	L1	L2	M (H8)	N	N1	P	Q	R	S
RK-75N	75	15	107	90	90	65	30	45	30	57	134.5	M20x2.5	6~M8x16	M8x60	12	21	35	5	28	10	27.5	26
RK-100N	100	20	132	115	100	80	30	45	25	72	149.5	M20x2.5	6~M10x20	M8x75	12	21	35	5	26	10	28.5	32
RK-125N	125	25	160	140	130	110	35	50	25	82	159.5	M24x3.0	6~M12x20	M8x85	12	25	45	5	26	10	28.5	32
RK-150N	150	30	190	170	130	110	45	55	25	95	172.5	M30x3.5	12~M12x24	M10x100	15.5	32	45	5	26	10	28.5	32
RK-200N	200	35	245	220	145	120	55	70	35	115	192.5	M36x4.0	12~M16x30	M10x125	21	38	60	5	30	6	28.5	28
RK-250N	245	60	307	275	220	160	65	85	25	165	255	M42x3.0	6~M20x2.5	M16x175	28	45	65	12	37	18	6	-

附逆止閥行程控制型迴轉油壓缸
ROTATING HYDRAULIC CYLINDER WITH STROKE CONTROL AND SATETY DEVICE



- 短型，高速，行程控制型迴轉油壓缸。
- 感應式近接開關，行程調整容易，可確認油壓缸正確作動。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- For short form, high speed and stroke control.
- With proximity sensor , the movement of the position is easy to adjust and confirm when operating.
- Built-in safety check valves and pressure relief valves.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

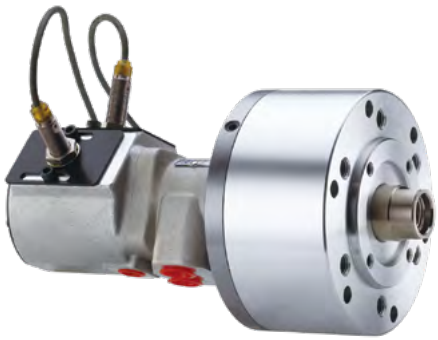
型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RS-75	43.0	37.1	15	6000	4.0 (40)	0.01	3.4
RS-100	77.4	71.5	20	6000	4.0 (40)	0.04	4.9
RS-125	121.6	113.1	25	6000	4.0 (40)	0.05	7.4
RS-1250	121.6	113.1	50	6000	4.0 (40)	0.05	8.7
RS-150	175.6	160.8	30	5500	4.0 (40)	0.10	10.7
RS-1550	175.6	160.8	50	5500	4.0 (40)	0.10	11.5
RS-200	313.0	290.4	35	5500	4.0 (40)	0.29	15.9
RS-2060	313.0	290.4	60	5500	4.0 (40)	0.29	17.6

外型尺寸 DIMENSIONS

Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	H1	H2	J	K	L	L1	L2	M (H8)	N
RS-75	75	15	107	90	90	65	30	45	30	57	42	145	202	M20x2.5	6~M8x16	M8x60	12	21	35
RS-100	100	20	132	115	100	80	30	45	25	72	42	145	217	M20x2.5	6~M10x20	M8x75	12	21	35
RS-125	125	25	160	140	130	110	35	50	25	82	41	144	226	M24x3.0	6~M12x20	M8x85	12	25	45
RS-1250	125	50	160	140	130	110	35	75	25	107	41	174	281	M24x3.0	6~M12x20	M8x110	12	25	45
RS-150	150	30	190	170	130	110	45	55	25	95	39	142	237	M30x3.5	12~M12x24	M10x100	15.5	32	45
RS-1550	150	50	190	170	130	110	45	75	25	115	39	172	287	M30x3.5	12~M12x24	M10x120	15.5	31	45
RS-200	200	35	245	220	145	120	55	70	35	115	34	142.5	257.5	M36x4.0	12~M16x30	M10x125	21	38	60
RS-2060	200	60	245	220	145	120	55	95	35	140	34	169	309	M36x4.0	12~M16x30	M10x145	16	38	60

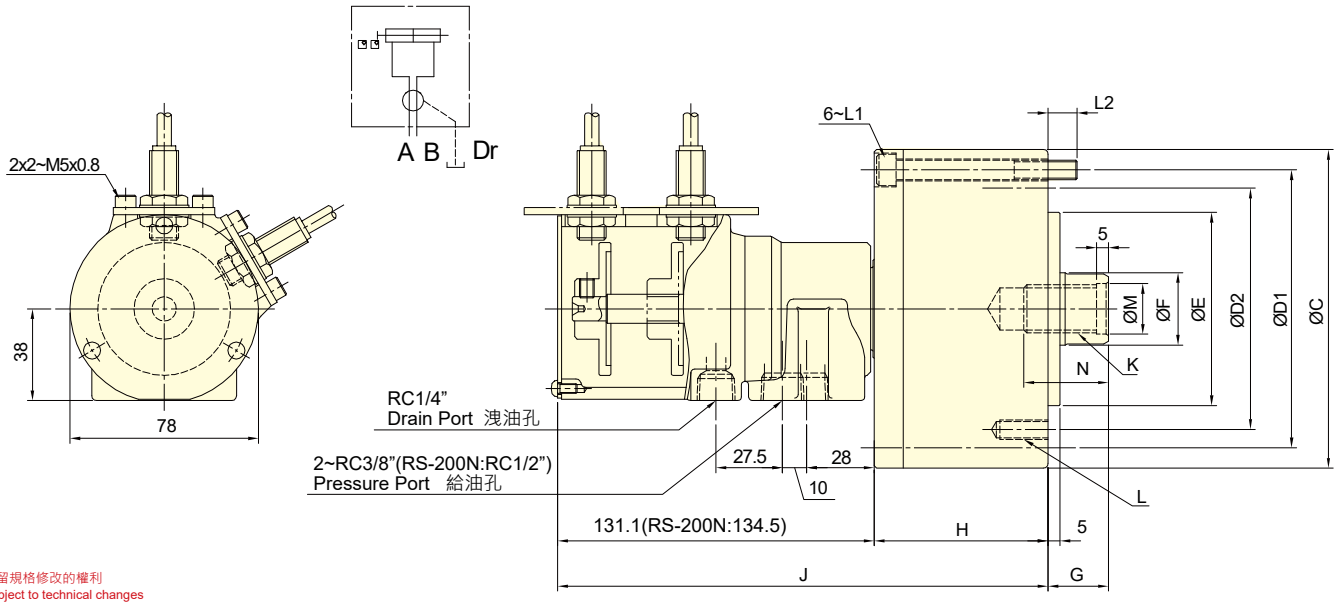
* 近接開關 : DC 10-30V 100mA NPN。*Proximity sensor : DC 10-30V 100mA NPN.

RS-N 行程控制型迴轉油壓缸
ROTATING HYDRAULIC CYLINDER WITH STROKE CONTROL



- 短型，高速，行程控制型迴轉油壓缸。
- 感應式近接開關，行程調整容易，可確認油壓缸正確作動。
- 安裝時可由後端鎖固之。
- For short form, high speed and stroke control.
- With proximity sensor , the movement of the position is easy to adjust and confirm when operating.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RS-6520N	32.0	28.3	20	6000	4.0(40)	0.01	3.2
RS-6530N	32.0	28.3	30	6000	4.0(40)	0.01	3.3
RS-75N	43.0	37.1	15	6000	4.0(40)	0.01	3.3
RS-7530N	43.0	37.1	30	6000	4.0(40)	0.013	3.7
RS-100N	77.4	71.5	20	6000	4.0(40)	0.04	4.8
RS-125N	121.6	113.1	25	6000	4.0(40)	0.05	7.3
RS-150N	175.6	160.8	30	5500	4.0(40)	0.16	10.6
RS-200N	313.0	290.4	35	5500	4.0(40)	0.29	15.9

外型尺寸 DIMENSIONS

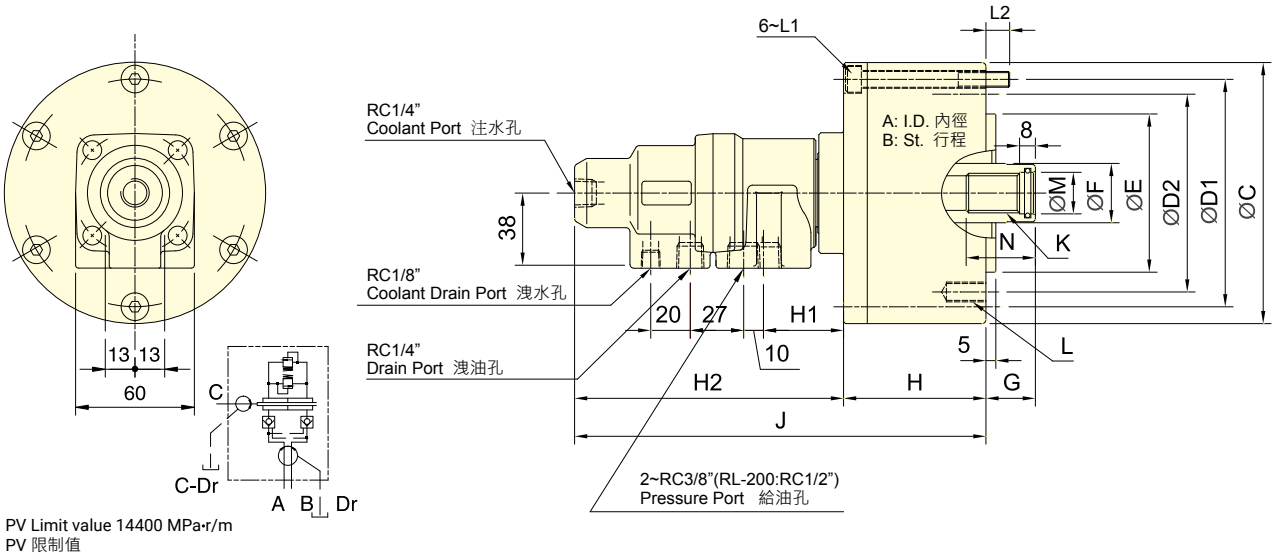
Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	J	K	L	L1	L2	M (H8)	N
RS-6520N	65	20	97	80	80	60	25	45	25	62	193	M16x2.0	6~M8x16	M6x70	14.5	17	30
RS-6530N	65	30	97	80	80	60	25	45	15	62	203	M16x2.0	6~M8x16	M6x80	14.5	17	30
RS-75N	75	15	107	90	90	65	30	45	30	57	188	M20x2.5	6~M8x16	M8x60	12	21	35
RS-7530N	75	30	107	90	90	65	30	45	15	72	203	M20x2.5	6~M8x16	M8x75	12	21	35
RS-100N	100	20	132	115	100	80	30	45	25	72	203	M20x2.5	6~M10x20	M8x75	12	21	35
RS-125N	125	25	160	140	130	110	35	50	25	82	213	M24x3.0	6~M12x20	M8x85	12	25	45
RS-150N	150	30	190	170	130	110	45	55	25	95	226	M30x3.5	12~M12x24	M10x100	15.5	32	45
RS-200N	200	35	245	220	145	120	55	70	35	115	249.5	M36x4.0	12~M16x30	M10x125	21	38	60

* 近接開關 : DC 10-30V 100mA NPN。*Proximity sensor : DC 10-30V 100mA NPN.



- 高速，注水型迴轉油壓缸。可經由後端供給切削水。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- To allow coolant to be feed from the rear end of the distributor through the rotating union
- Built-in safety check valves and pressure relief valves.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 注水孔無流體通過時，請勿運轉。
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.



PV Limit value 14400 MPa·r/m
PV 限制值

保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	注水孔最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Coolant connection Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	MPa (kgf/cm^2)	kg·m^2	kg
RL-75	42.6	37.1	15	6000	4.0(40)	3.5(35)	0.01	3.1
RL-100	77.0	71.5	20	6000	4.0(40)	3.5(35)	0.04	4.6
RL-125	121.2	113.1	25	6000	4.0(40)	3.5(35)	0.06	7.1
RL-150	175.2	160.8	30	5500	4.0(40)	3.5(35)	0.10	9.7
RL-200	312.5	290.4	35	5500	4.0(40)	3.5(35)	0.30	15.6

外型尺寸 DIMENSIONS

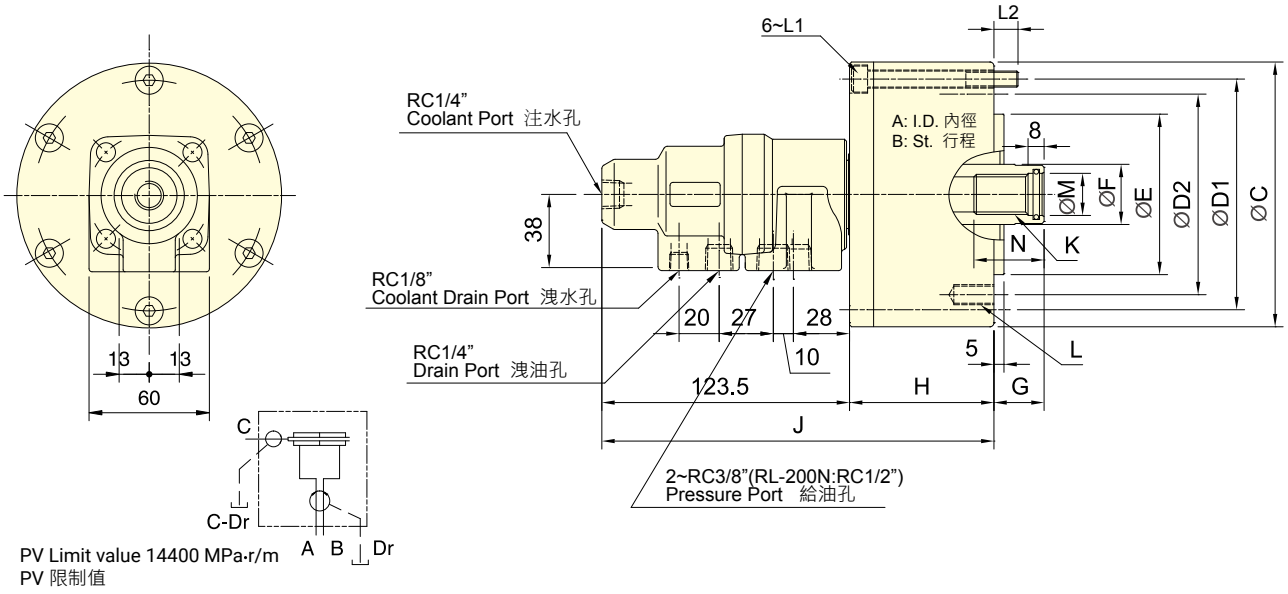
Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	H1	H2	J	K	L	L1	L2	M (H8)	N
RL-75	75	15	107	90	90	65	30	45	30	57	42	137	194	M20x2.5	6~M8x16	M8x60	12	21	35
RL-100	100	20	132	115	100	80	30	45	25	72	42	137	209	M20x2.5	6~M10x20	M8x75	12	21	35
RL-125	125	25	160	140	130	110	35	50	25	82	41	136	218	M24x3.0	6~M12x20	M8x85	12	25	45
RL-150	150	30	190	170	130	110	45	55	25	95	39	134	230	M30x3.5	12~M12x24	M10x100	15.5	32	45
RL-200	200	35	245	220	145	120	55	70	35	115	36	132	248	M36x4.0	12~M16x30	M10x125	21	38	60

RL-N 注水型迴轉油壓缸
ROTATING HYDRAULIC CYLINDER WITH COOLANT CONNECTION



- 高速，注水型迴轉油壓缸。可經由後端供給切削水。
- 安裝時可由後端鎖固之。
- To allow coolant to be feed from the rear end of the distributor through the rotating union.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 注水孔無流體通過時，請勿運轉。
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.



PV Limit value 14400 MPa·r/m
PV 限制值

保留規格修改的權利
Subject to technical changes

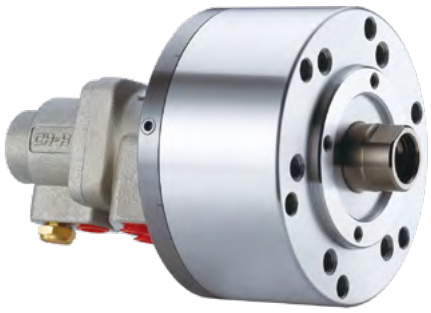
技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	注水孔最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Coolant connection Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	MPa (kgf/cm^2)	kg·m^2	kg
RL-75N	42.6	37.1	15	6000	4.0 (40)	3.5(35)	0.01	3.0
RL-100N	77.0	71.5	20	6000	4.0 (40)	3.5(35)	0.04	4.5
RL-125N	121.2	113.1	25	6000	4.0 (40)	3.5(35)	0.06	7.0
RL-150N	175.2	160.8	30	5500	4.0 (40)	3.5(35)	0.10	9.6
RL-200N	312.5	290.4	35	5500	4.0 (40)	3.5(35)	0.29	15.5

外型尺寸 DIMENSIONS

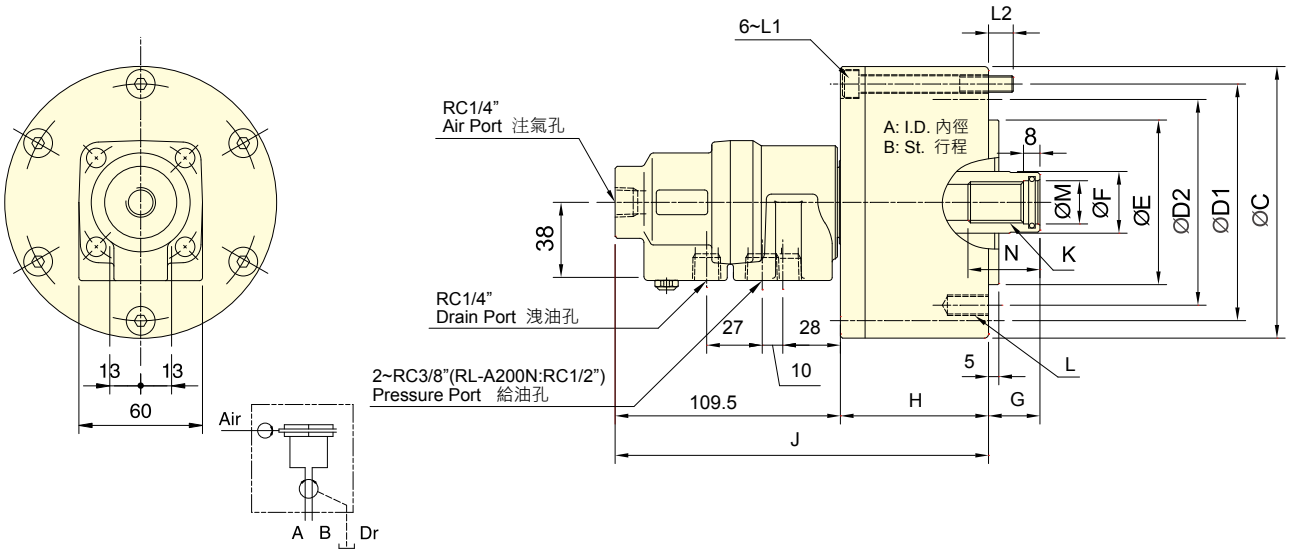
Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	J	K	L	L1	L2	M (H8)	N
RL-75N	75	15	107	90	90	65	30	45	30	57	180	M20x2.5	6-M8x16	M8x60	12	21	35
RL-100N	100	20	132	115	100	80	30	45	25	72	195	M20x2.5	6-M10x20	M8x75	12	21	35
RL-125N	125	25	160	140	130	110	35	50	25	82	205	M24x3.0	6-M12x20	M8x85	12	25	45
RL-150N	150	30	190	170	130	110	45	55	25	95	218	M30x3.5	12-M12x24	M10x100	15.5	32	45
RL-200N	200	35	245	220	145	120	55	70	35	115	240	M36x4.0	12-M16x 30	M10x125	21	38	60

RL-AN 注氣型迴轉油壓缸
ROTATING HYDRAULIC CYLINDER WITH AIR CONNECTION



- 高速，注氣型迴轉油壓缸，可經由後端供給空氣。
- 安裝時可由後端鎖固之。
- To allow compressed air to be feed from the rear end of the distributor through the rotating union.
- Can screw it from the rear end of the cylinder when mounting.

- 使用時，請混入微量的油霧。
- 注氣孔無氣體通過時，請勿運轉。
- When used, a little oil mist should be contained.
- The rotary cylinder should not run without air passing through the air port.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	注氣部最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Air connection Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	MPa (kgf/cm^2)	$kg·m^2$	kg
RL-A75N	42.6	37.1	15	6000	4.0(40)	0.8(8)	0.01	3.0
RL-A100N	77.0	71.5	20	6000	4.0(40)	0.8(8)	0.04	4.5
RL-A125N	121.2	113.1	25	6000	4.0(40)	0.8(8)	0.06	7.0
RL-A150N	175.2	160.8	30	5500	4.0(40)	0.8(8)	0.10	9.6
RL-A200N	312.5	290.4	35	5500	4.0(40)	0.8(8)	0.29	15.5

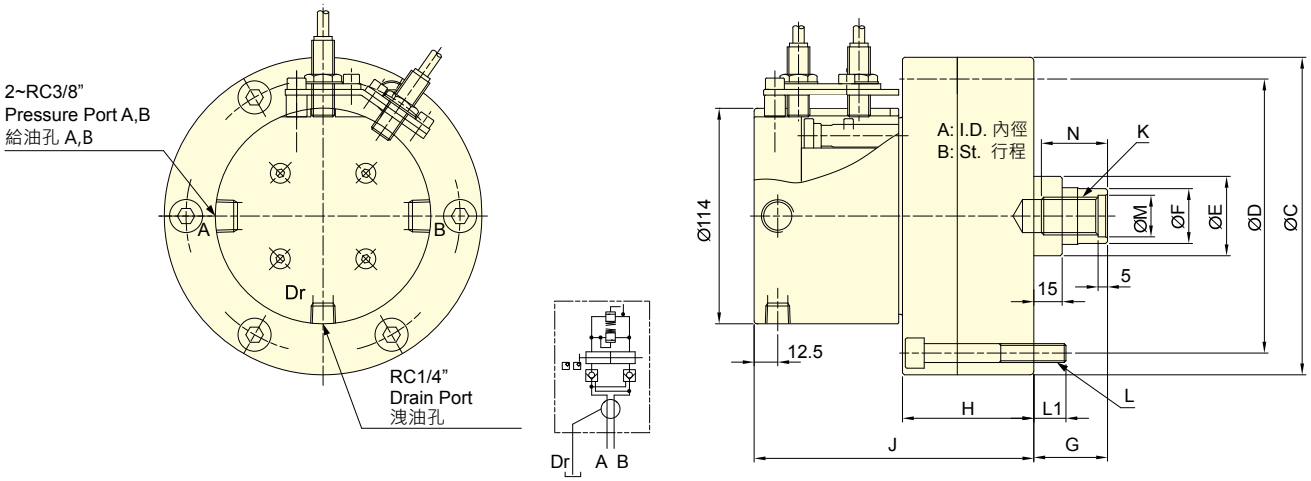
外型尺寸 DIMENSIONS

Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	J	K	L	L1	L2	M (H8)	N
RL-A75N	75	15	107	90	90	65	30	45	30	57	166	M20 x2.5	6~M8x 16	M8x60	12	21	35
RL-A100N	100	20	132	115	100	80	30	45	25	72	181	M20 x2.5	6~M10x20	M8x75	12	21	35
RL-A125N	125	25	160	140	130	110	35	50	25	82	191	M24x 3.0	6~M12x20	M8x85	12	25	45
RL-A150N	150	30	190	170	130	110	45	55	25	95	204	M30x3.5	12~M12x24	M10x100	15.5	32	45
RL-A200N	200	35	245	220	145	120	55	70	35	115	225	M36 x4.0	12~M16x30	M10x125	21	38	60

精短整合型中實迴轉油壓缸 (一)
COMPACT STYLE HYDRAULIC CYLINDER WITH STROKE CONTROL AND SAFETY DEVICE



- 高速，輕量整合型迴轉油壓缸。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RE-110	92.7	87.9	20	6000	3.5(35)	0.02	6.9
RE-120	110.8	106	21	6000	4.0(40)	0.03	8.8
RE-130	130.4	123.1	30	6000	4.0(40)	0.03	9.1

外型尺寸 DIMENSIONS

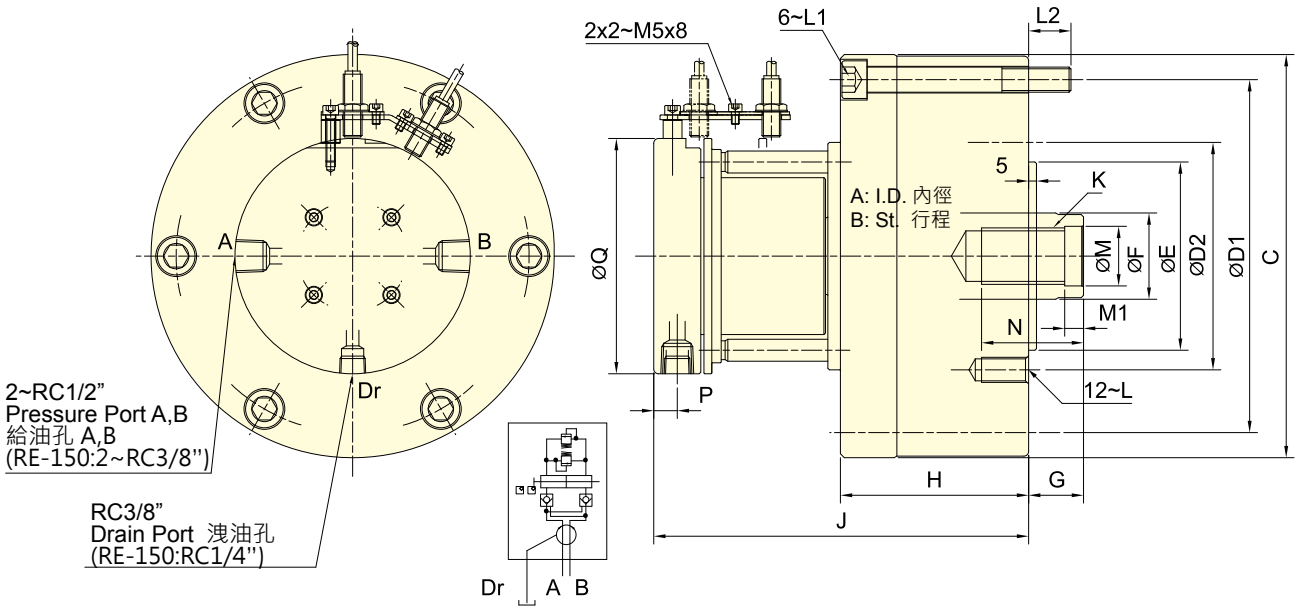
Model	A	B	C (h7)	D	E	F	G max.	G min.	H	J	K	L	L1	M (H8)	N
RE-110	110	20	145	128	42	29	60	40	66	146	M20x2.5	6~M8x70	12	22	35
RE-120	120	21	168	145	42	29	60	39	69.5	148	M20x2.5	6~M10x75	17	22	35
RE-130	130	30	168	150	50	33	60	30	79.5	158	M24x3.0	6~M10x85	17	27	40

* 近接開關 : DC 10-30V 100mA NPN。*Proximity sensor : DC 10-30V 100mA NPN.



- 高速，輕量整合型迴轉油壓缸，特別適合使用於立式車床。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder, suitable for vertical lathe.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	$kg·m^2$	kg
RE-150	174.4	160.8	30	5500	4.0 (40)	0.06	14.9
RE-200K	292.4	274.9	35	4000	4.0 (40)	0.19	29.1
RE-200L	292.4	265.4	50	4000	5.0 (50)	0.21	30.4
RE-250	465.2	438.2	60	2000	5.0 (50)	0.43	47.2

外型尺寸 DIMENSIONS

Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	J	K	L	L1	L2	M (H8)	M1	N	P	Q
RE-150	150	30	205	180	130	110	45	60	30	99	177.5	M30x3.5	M12x24	M12x105	18.5	32	10	50	12.5	114
RE-200K	195	35	257	225	145	120	55	73	38	120	239	M36x4.0	M16x30	M16x130	27	38	12	65	15	150
RE-200L	195	50	257	225	170	125	65	80	30	135	254	M42x3.0	M16x30	M16x145	27	45	12	65	15	150
RE-250	245	60	307	275	220	160	65	85	25	165	280	M42x3.0	M20x35	M16x175	28	45	12	65	15	150

* 近接開關 : DC 10-30V 100mA NPN。*Proximity sensor : DC 10-30V 100mA NPN.

RE-A 精短整合型注氣迴轉油壓缸 (一)

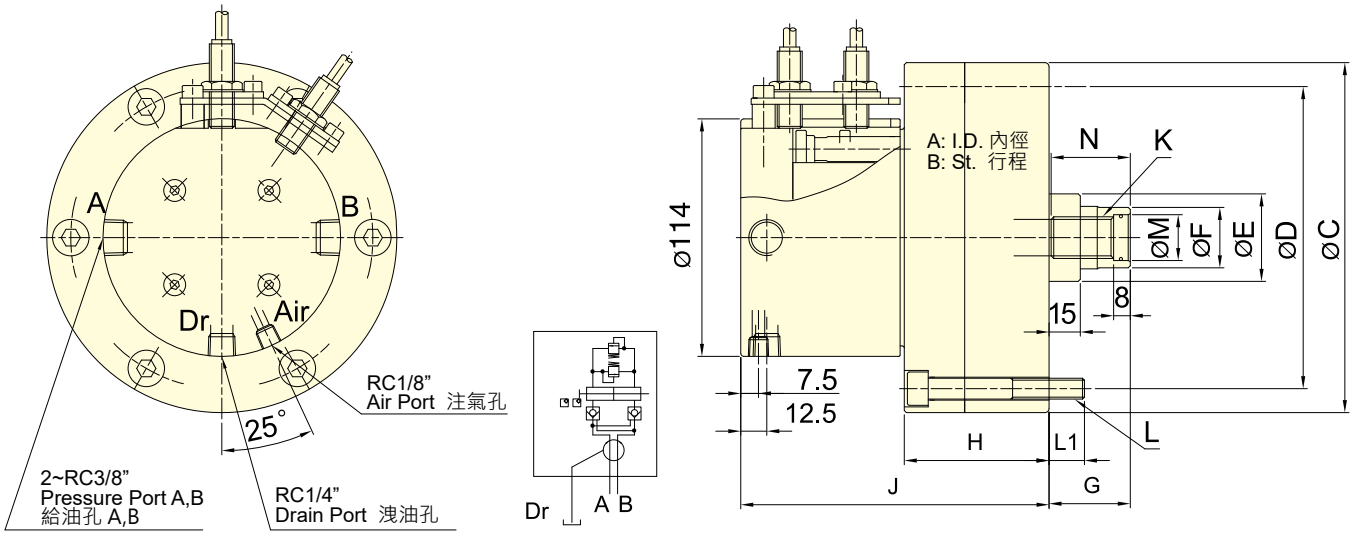
高速輕量型

COMPACT STYLE HYDRAULIC CYLINDER WITH AIR CONNECTION AND SAFETY DEVICE



- 高速，輕量整合型注氣迴轉油壓缸，可經由後端供給空氣。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder. To allow compressed air to be feed from the rear end of the distributor through the rotating union.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 使用時，請混入微量的油霧。
- 注氣孔無氣體通過時，請勿運轉。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- When used, a little oil mist should be contained.
- Stroke Detection Type can be customized to Linear Positioning System.
- The rotary cylinder should not run without air passing through the air port.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	注氣部最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Air connection Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	MPa (kgf/cm^2)	$kg·m^2$	kg
RE-A110	91.2	87.9	20	6000	4.0(40)	0.8(8)	0.02	6.9
RE-A120	109.3	106	21	6000	4.0(40)	0.8(8)	0.02	8.8
RE-A130	128.9	123.1	30	6000	4.0(40)	0.8(8)	0.03	9.1

外型尺寸 DIMENSIONS

Model	A	B	C (h7)	D	E	F	G max.	G min.	H	J	K	L	L1	M (H8)	N
RE-A110	110	20	145	128	42	29	60	40	66	146	M20x2.5	6~M8x70	12	22	38
RE-A120	120	21	168	145	42	29	60	39	69.5	148	M20x2.5	6~M10x75	17	22	38
RE-A130	130	30	168	150	50	33	60	30	79.5	158	M24x3.0	6~M10x85	17	27	43

* 近接開關 : DC 10-30V 100mA NPN。*Proximity sensor : DC 10-30V 100mA NPN.

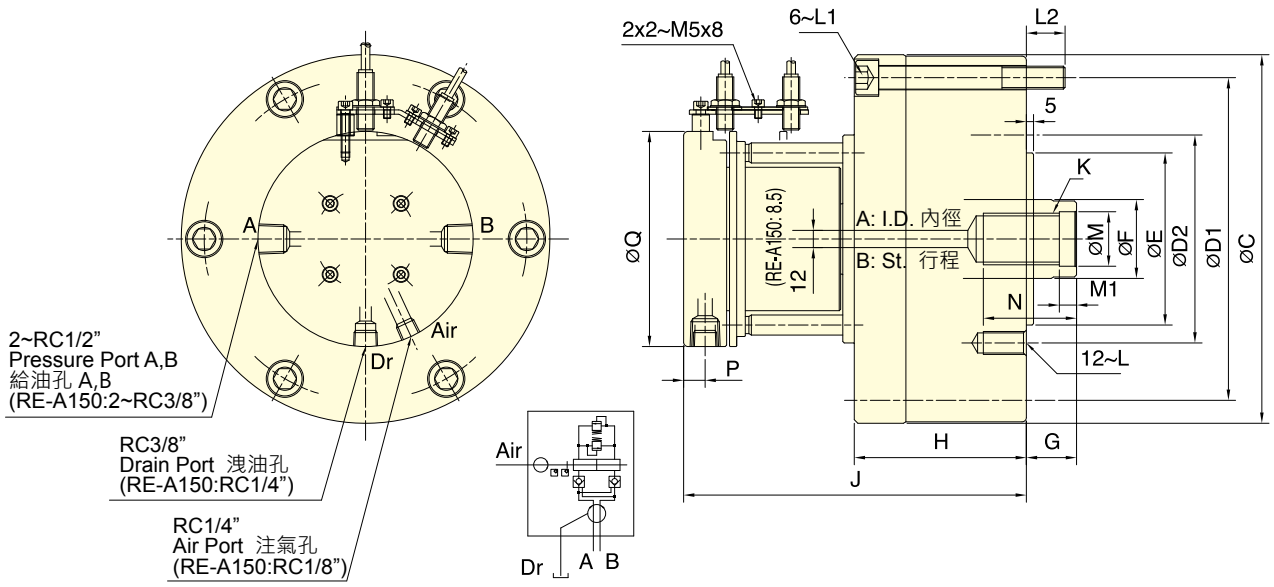
RE-A 精短整合型注氣迴轉油壓缸 (二)

COMPACT STYLE HYDRAULIC CYLINDER WITH AIR CONNECTION AND SAFETY DEVICE



- 高速，輕量整合型注氣迴轉油壓缸，可經由後端供給空氣。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder. To allow compressed air to be feed from the rear end of the distributor through the rotating union.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 使用時，請混入微量的油霧。
- 注氣孔無氣體通過時，請勿運轉。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- When used, a little oil mist should be contained.
- Stroke Detection Type can be customized to Linear Positioning System.
- The rotary cylinder should not run without air passing through the air port.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	注氣部最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Air connection Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	MPa (kgf/cm^2)	kg·m^2	kg
RE-A150	174.4	160.8	30	5500	4.0(40)	0.8(8)	0.06	14.9
RE-A200K	292.4	274.9	35	4000	4.0(40)	0.8(8)	0.19	29.1
RE-A200L	292.4	265.4	50	4000	5.0(50)	0.8(8)	0.21	30.4
RE-A250	465.2	438.2	60	2000	5.0(50)	0.8(8)	0.43	47.2

外型尺寸 DIMENSIONS

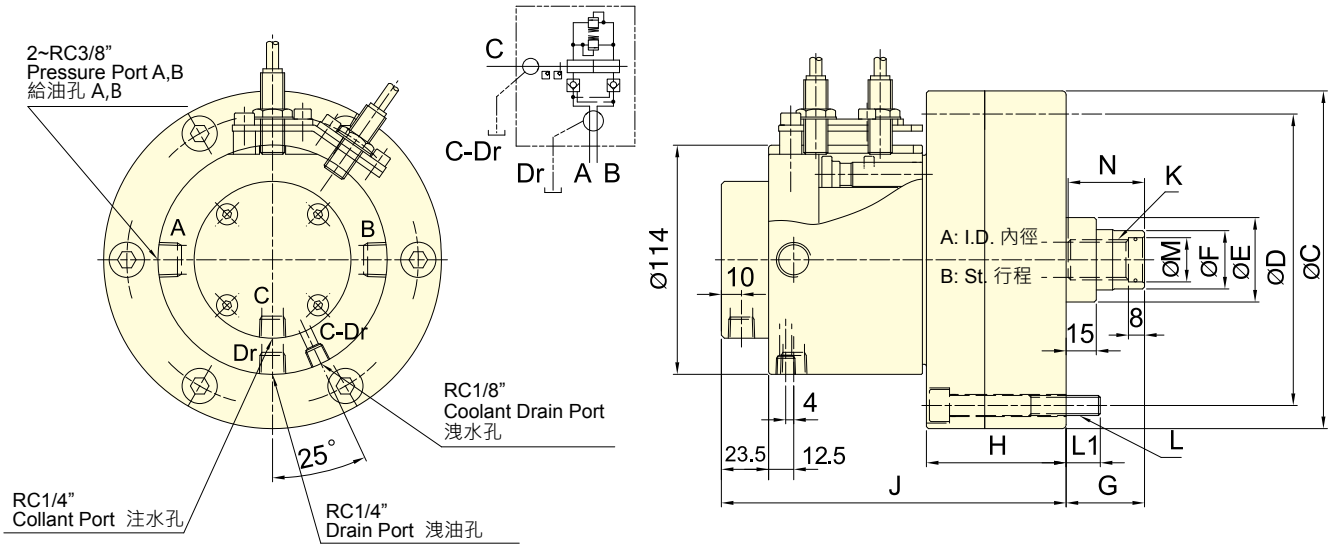
Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	J	K	L	L1	L2	M (H8)	M1	N	P	Q
RE-A150	150	30	205	180	130	110	45	60	30	99	177.5	M30x3.5	M12x24	M12x105	18.5	32	10	50	12.5	114
RE-A200K	195	35	257	225	145	120	55	73	38	120	239	M36x4.0	M16x30	M16x130	27	38	12	65	15	150
RE-A200L	195	50	257	225	170	125	65	80	30	135	254	M42x3.0	M16x30	M16x145	27	45	12	65	15	150
RE-A250	245	60	307	275	220	160	65	85	25	165	280	M42x3.0	M20x35	M16x175	28	45	12	65	15	150

* 近接開關 : DC 10-30V 100mA NPN。*Proximity sensor : DC 10-30V 100mA NPN.



- 高速，輕量整合型注水迴轉油壓缸，可經由後端供給切削水。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder. To allow coolant to be feed from the rear end of the distributor through the rotating union.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 注水孔無流體通過時，請勿運轉。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	注水孔最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Coolant connection Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	MPa (kgf/cm^2)	kg·m^2	kg
RE-L110	92.7	87.9	20	6000	4.0(40)	1.5(15)	0.02	7.2
RE-L120	109.3	106	21	6000	4.0(40)	1.5(15)	0.03	9.1
RE-L130	128.9	123.1	30	6000	4.0(40)	1.5(15)	0.03	9.5

外型尺寸 DIMENSIONS

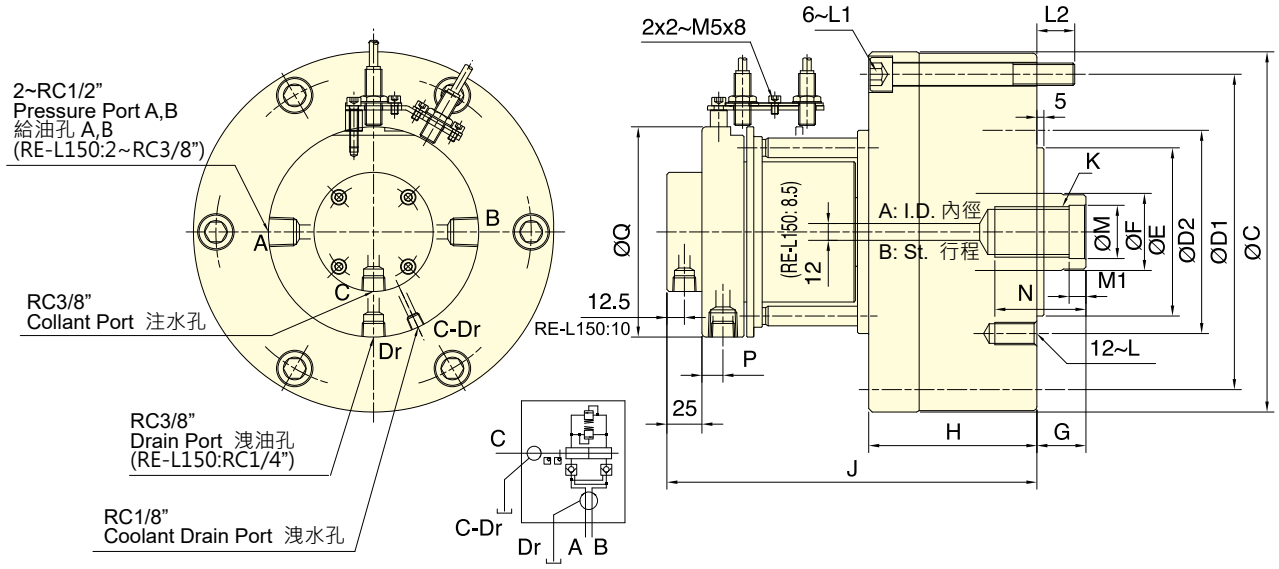
Model	A	B	C (h7)	D	E	F	G max.	G min.	H	J	K	L	L1	M (H8)	N
RE-L110	110	20	145	128	42	29	60	40	66	169.5	M20x2.5	6~M8x70	12	22	38
RE-L120	120	21	168	145	42	29	60	39	69.5	171.5	M20x2.5	6~M10x75	17	22	38
RE-L130	130	30	168	150	50	33	60	30	79.5	181.5	M24x3.0	6~M10x85	17	27	43

* 近接開關 : DC 10-30V 100mA NPN。*Proximity sensor : DC 10-30V 100mA NPN.



- 高速，輕量整合型注水迴轉油壓缸，可經由後端供給切削水，特別適合使用於立式車床。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder. To allow coolant to be feed from the rear end of the distributor through the rotating union, suitable for vertical lathe.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 注水孔無流體通過時，請勿運轉。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	注水孔最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Coolant connection Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	MPa (kgf/cm^2)	kg·m^2	kg
RE-L150	174.4	160.8	30	5500	4.0(40)	1.5(15)	0.06	15.2
RE-L200K	292.4	274.9	35	4000	4.0(40)	1.5(15)	0.19	29.4
RE-L200L	292.4	265.4	50	4000	5.0(50)	1.5(15)	0.21	30.7
RE-L250	465.2	438.2	60	2000	5.0(50)	1.5(15)	0.43	47.5

外型尺寸 DIMENSIONS

Model	A	B	C	D1	D2	E (h7)	F	G max.	G min.	H	J	K	L	L1	L2	M (H8)	M1	N	P	Q
RE-L150	150	30	205	180	130	110	45	60	30	99	201	M30x3.5	M12x24	M12x105	18.5	32	10	50	12.5	114
RE-L200K	195	35	257	225	145	120	55	73	38	120	264	M36x4.0	M16x30	M16x130	27	38	12	65	15	150
RE-L200L	195	50	257	225	170	125	65	80	30	135	279	M42x3.0	M16x30	M16x145	27	45	12	65	15	150
RE-L250	245	60	307	275	220	160	65	85	25	165	305	M42x3.0	M20x35	M16x175	28	45	12	65	15	150

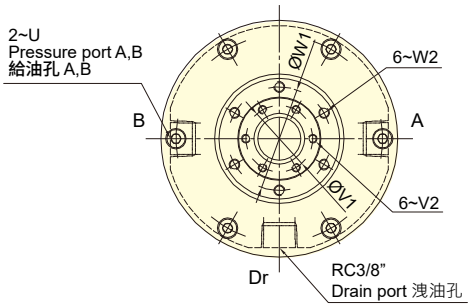
* 近接開關 : DC 10-30V 100mA NPN。*Proximity sensor : DC 10-30V 100mA NPN.

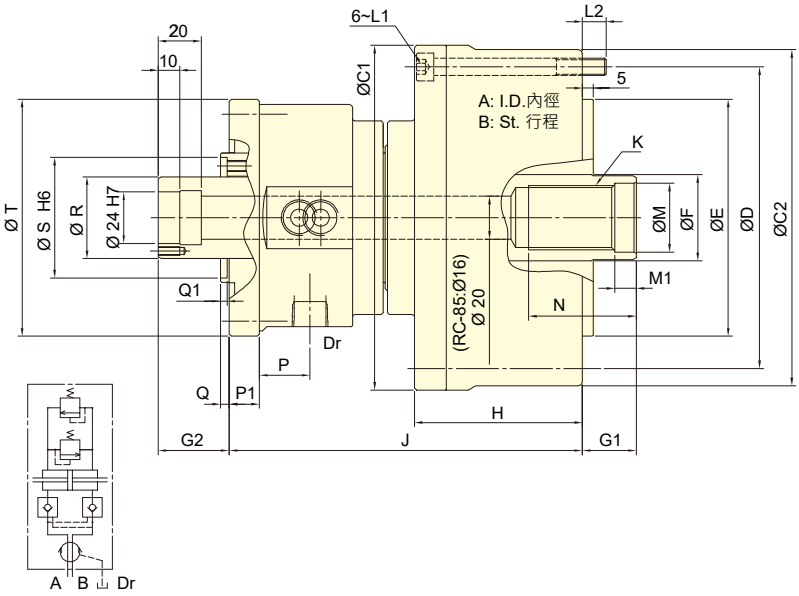


- 中心帶通道油壓缸。
- 可外接單通道或雙通道迴轉接頭，同時滿足氣密檢測及中心出水的需求。
- 內建逆止閥自鎖機構。
- 可搭配近接開關或線性位移感測器進行行程控制。

- Center through-hole hydraulic cylinder, suitable for horizontal CNC lathes.
- Can choose an external rotary joint with either single or double paths.
- It meets the demand for coolant through spindle and airtight pressure detect function.
- Has a buil-in check valve for safety.
- Stroke control via proximity switch or linear positioning system.

- 近接開關及外接單通道或雙通道迴轉接頭為選購品。
- The proximity switch and single or double paths rotating joint are optional.





保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RC-85	43.8	48.1	20	5000	3.5(35)	0.01	6.8
RC-100	65.6	64.4	20	5000	3.5(35)	0.02	9.2
RC-125	109.8	108.5	25	5000	3.5(35)	0.03	11.1
RC-145	152.2	143.9	30	5000	3.5(35)	0.03	14.6
RC-200	279.3	273.6	35	4000	4.0(40)	0.26	35.5
RC-250	451.1	436	60	2000	5.0(50)	0.57	57.3

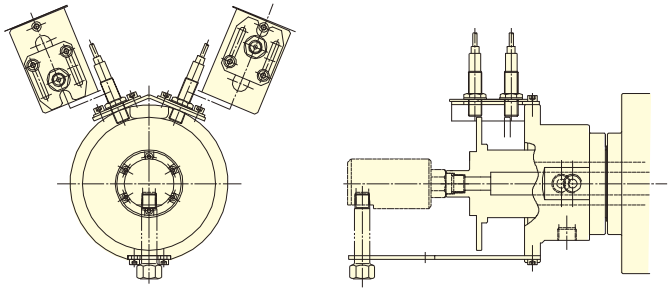
外型尺寸 DIMENSIONS

Model	A	B	C1	C2	D	E (h7)	F	G1max.	G1min.	G2max.	G2min.	H	J	K
RC-85	85	20	120	116	100	65	32	45	25	28	8	76.5	156.5	M24x1.5
RC-100	100	20	135	131	115	80	40	45	25	28	8	72	158.5	M30x1.5
RC-125	125	25	160	156	140	110	40	50	25	33	8	78	164	M30x1.5
RC-145	145	30	187	183	165	110	50	55	25	38	8	83	169.5	M40x1.5
RC-200	195	35	257	257	225	120	55	73	38	51.5	16.5	120.5	222.5	M36x4.0
RC-250	245	60	307	305	275	160	65	85	25	76.5	16.6	171.5	268.5	M42x3.0

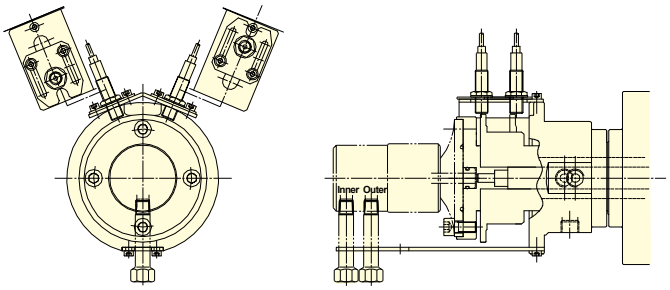
Model	L1	L2	M H8	M1	N	P	P1	Q	Q1	R	S H6	T	U	V1	V2	W1	W2
RC-85	6~M8x80	12.5	25.4	10	40	23.5	14	4	3	38	56	110	RC3/8	31	M4x10	48	M5x9
RC-100	6~M8x75	12.5	32	10	50	23.5	14	4	3	38	56	110	RC3/8	31	M4x10	48	M5x9
RC-125	6~M8x80	11	32	10	50	23.5	14	4	3	38	56	110	RC3/8	31	M4x10	48	M5x9
RC-145	6~M10x95	16.5	42	12	57	23.5	14	4	3	38	56	110	RC3/8	31	M4x10	48	M5x9
RC-200	6~M16x130	26	38	12	65	35	15	6.5	4	48	74	135	RC1/2	35	M4x10	60	M5x11
RC-250	6~M16x180	26	45	12	65	35	15	6.5	4	48	74	135	RC1/2	35	M4x10	60	M5x11

- 迴轉接頭和近接開關安裝型式。
- Rotating joint and Proximity switch with bracket type.

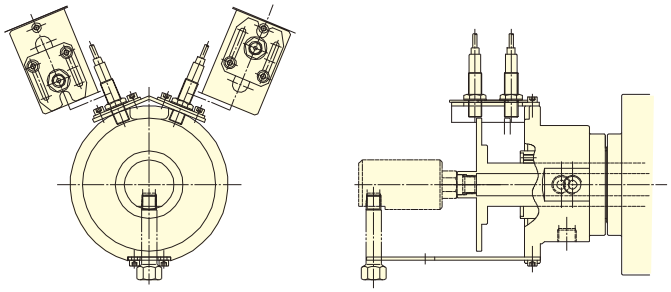
F1
固定式．單通道
With single path rotating joint (Fixed type)



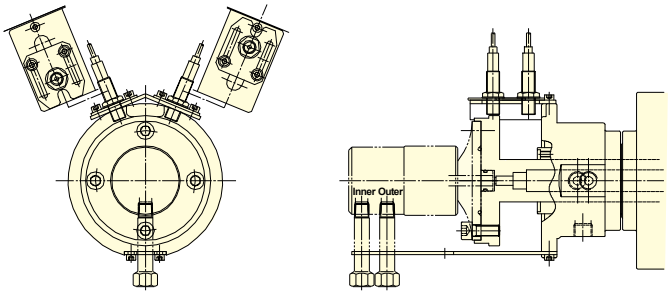
F2
固定式．雙通道
With double paths rotating joint(Fixed type)



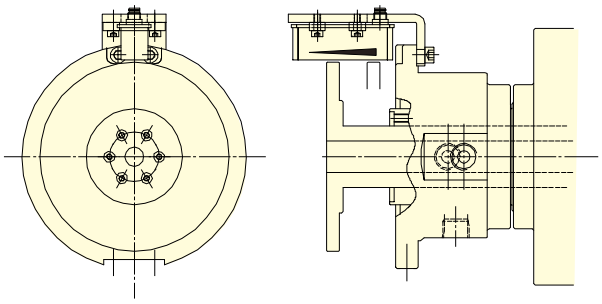
M1
移動式．單通道
With single path rotating joint(Moving type)



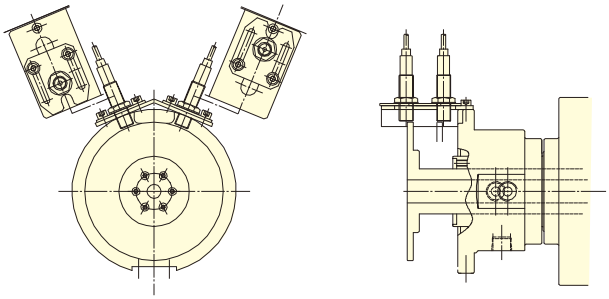
M2
移動式．雙通道
With double paths rotating joint(Moving type)



B
線性檢知和支架
linear Sensor with bracket



S
近接開關和支架
Proximity switch with bracket



* 近接開關與迴轉接頭是選購品。
* 可選擇所合適的附加類型。
* 詳細安裝介面尺寸請與聯繫我們。

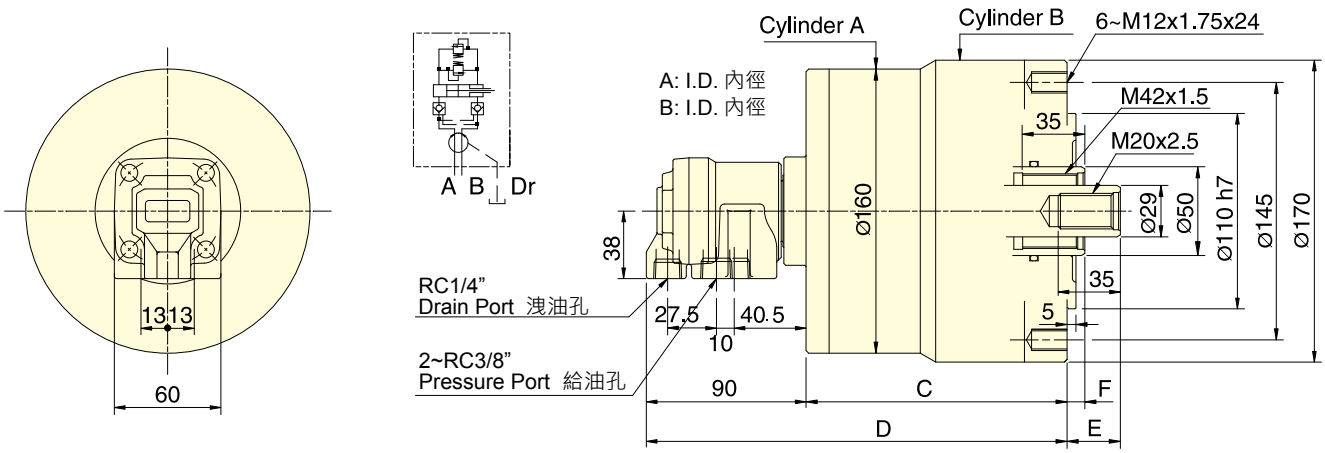
* The proximity switch and rotary joiint are optional.
* Choose and attach the appropriate type.
* Please contact AUTOGRIP for more detailed drawing.

附逆止閥雙桿型迴轉油壓缸
DOUBLE ROD ROTATING CYLINDER WITH SAFETY DEVICE



- 短型，輕量，雙桿型迴轉油壓缸。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- For short form, light weight, double rod rotary cylinder.
- Built-in safety check valves and pressure relief valves.

- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

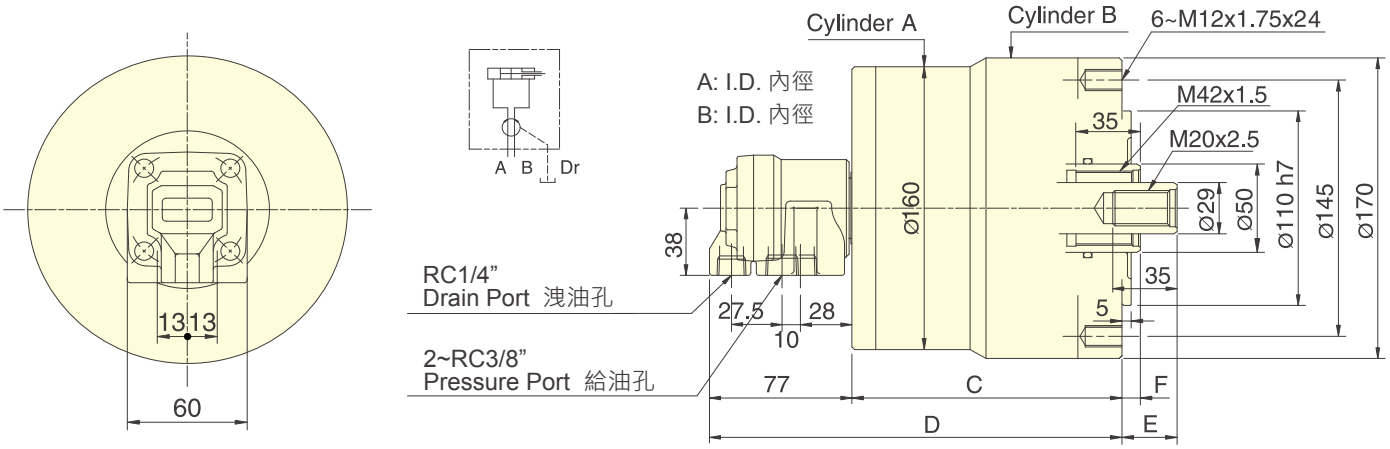
型號	活塞面積Eff. piston area				行程	最高迴轉數	最高使用壓力	I	重量
	押側(Extend)		拉側(Retract)						
Model	A	B	A	B	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	$kg·m^2$	kg
RD-120	122.7	126.1	116.1	113.1	20	5000	3.0(30)	0.14	11.3
RD-125	122.7	126.1	116.1	113.1	25	5000	3.0(30)	0.15	11.5

外型尺寸 DIMENSIONS

Model	A	B	C	D	E max.	E min.	F max.	F min.
RD-120	125	130	137	227	60	40	35	15
RD-125	125	130	147	237	55	30	35	10



- 短型，輕量，雙桿型迴轉油壓缸。
- For short form, light weight, double rod rotary cylinder.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積Eff. piston area				行程	最高迴轉數	最高使用壓力	I	重量
	押側(Extend)		拉側(Retract)						
Model	A	B	A	B	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RD-120N	122.7	126.1	116.1	113.1	20	5000	3.0(30)	0.14	11.2
RD-125N	122.7	126.1	116.1	113.1	25	5000	3.0(30)	0.15	11.4

外型尺寸 DIMENSIONS

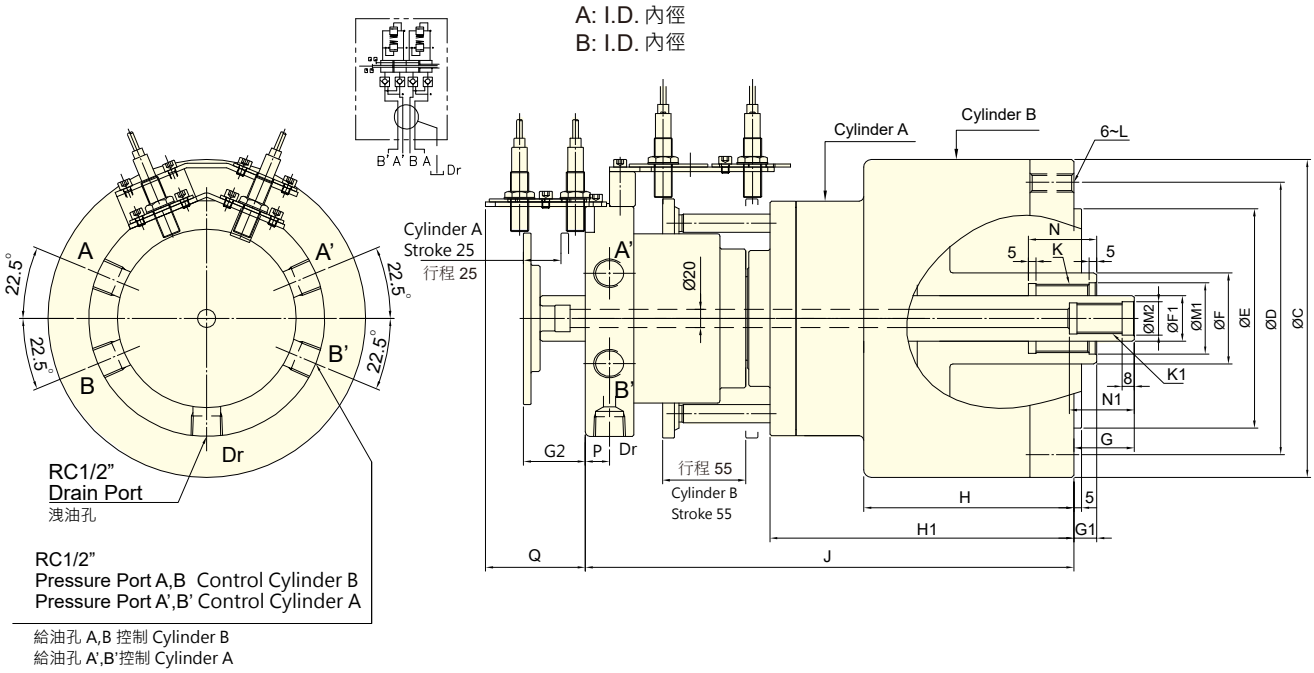
Model	A	B	C	D	E max.	E min.	F max.	F min.
RD-120N	125	130	137	214	60	40	35	15
RD-125N	125	130	147	224	55	30	35	10

外掛接頭雙桿型迴轉油壓缸
DOUBLE ROD ROTATING CYLINDER WITH EXTERNAL ROTATING JOINT



- 短型，輕量，外掛接頭雙桿雙迴路迴轉油壓缸。
- 內拉桿可應用於驅動零件中心頂出或帶軸向伸縮定位的動力夾頭。
- 前後油缸為單獨迴路控制，均內建逆止閥自鎖機構。
- 中心通孔用于冷卻液、油或空氣的輸送，可外掛單通道迴轉接頭。
- Short type, lightweight, dual-rod dual-circuit rotary hydraulic cylinder with external rotary joint.
- The internal tie rod can be applied to drive center ejection of parts or power chucks with axial telescopic positioning.
- The front and rear cylinders are controlled by separate circuits, each equipped with Built-in safety check valves .
- The central through-hole is used for the passage of coolant, oil, or air, and can be fitted with an external single-channel rotary joint..

- 迴轉接頭與支撐架為選購品。
- The rotary joint and support frame are optiona.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積Eff. piston area				行程	最高迴轉數	最高使用壓力	I	重量
	押側(Extend)		拉側(Retract)						
Model	A	B	A	B	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Weight
	cm^2	cm^2	cm^2	cm^2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	kg
RDL-160S	68.3	190.6	68.3	172.8	25/55	4000	5.0 (50)	0.025	26

外型尺寸 DIMENSIONS

Model	A	B	C	D	E(h7)	F	F1	G max.	G min.	G1 max.	G1 min.	G2 max.	G2 min.
RDL-160S	100	160	210	180	145	60	30	65	40	70	15	41	16

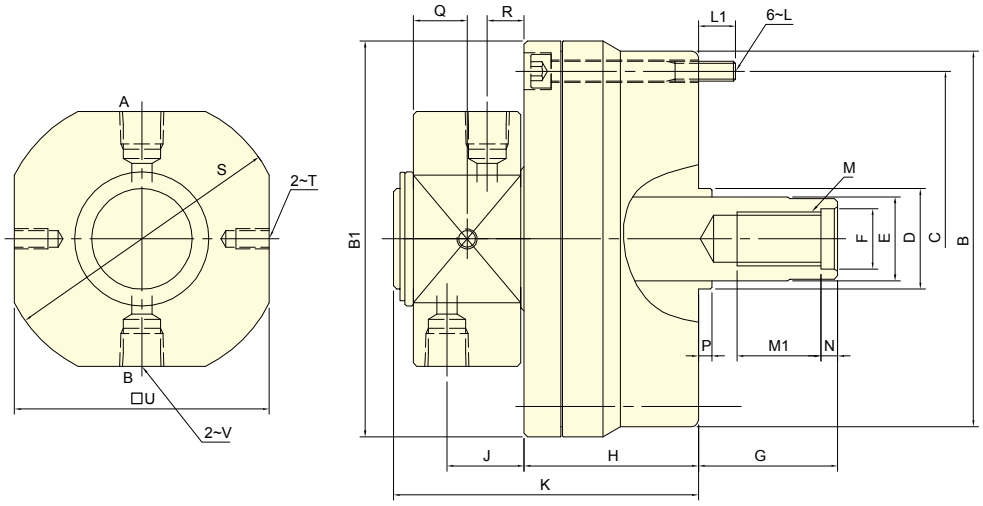
Model	H	H1	J	K	K1	L	M1(H8)	M2(h7)	N	N1	P	Q
RDL-160S	139	201	323	M45x1.5	M20x2.5	M12x29	47	22	45	43	16	66



- 超短型輕量化設計。
- 專用於四軸半或第五軸分度盤。
- 無回水設計，無需安裝洩油管。
- 適用於空間狹窄場所。
- 油壓傳動穩定，提升加工效率。

- Ultra-short and lightweight design
- Designed for 4th-axis and 5th-axis rotary tables
- Drain-free design eliminates oil return piping
- Ideal for limited installation spaces
- Stable hydraulic performance for precision machining

- 本系列產品不可直接安裝於臥式或立式車床。
- This series is not suitable for direct installation on horizontal or vertical lathes.



保留規格修改的權利
Subject to technical changes

技術規格 SPECIFICATIONS

型號	活塞面積 Eff. piston area		行程	最高迴轉數	最高使用壓力	I	總洩漏量	重量
Model	押側(Extend)	拉側(Retract)	Piston stroke	Max. speed	Max. pressure	Moment of inertia	Total oil leak-age	Weight
	cm2	cm2	mm	min^{-1}(r.p.m.)	MPa(kgf/cm^2)	kg·m^2	lit./min	.kg
RID-80N	49.3	44.3	15	60	35	-	-	4.6
RID-100N	77.5	70.5	21	60	35	-	-	6.5

外型尺寸 DIMENSIONS

Model	A I.D.	B	B1	C	D (h7)	E	F (H8)	G max	G min	H	J	K
RID-80N	80	112	118	100	30	25	18	56.5	41.5	52	23	91
RID-100N	100	132	138	119	36	30	21	66.5	45.5	58	23	97

Model	L	L1	M	M1	N	P	Q	R	S	T	U	V
RID-80N	6~M6x55	11	M16x2	30	5	4	16	11	85	M6x10	76	RC 1/4
RID-100N	6~M6x60	10	M20x2.5	35	5	4	16	11	85	M6x10	76	RC 1/4