



PRODUCT CATALOG

HYDRAULIC CYLINDER



.HIGH PRECISION. .HIGH SPEED. .HIGH QUALITY.

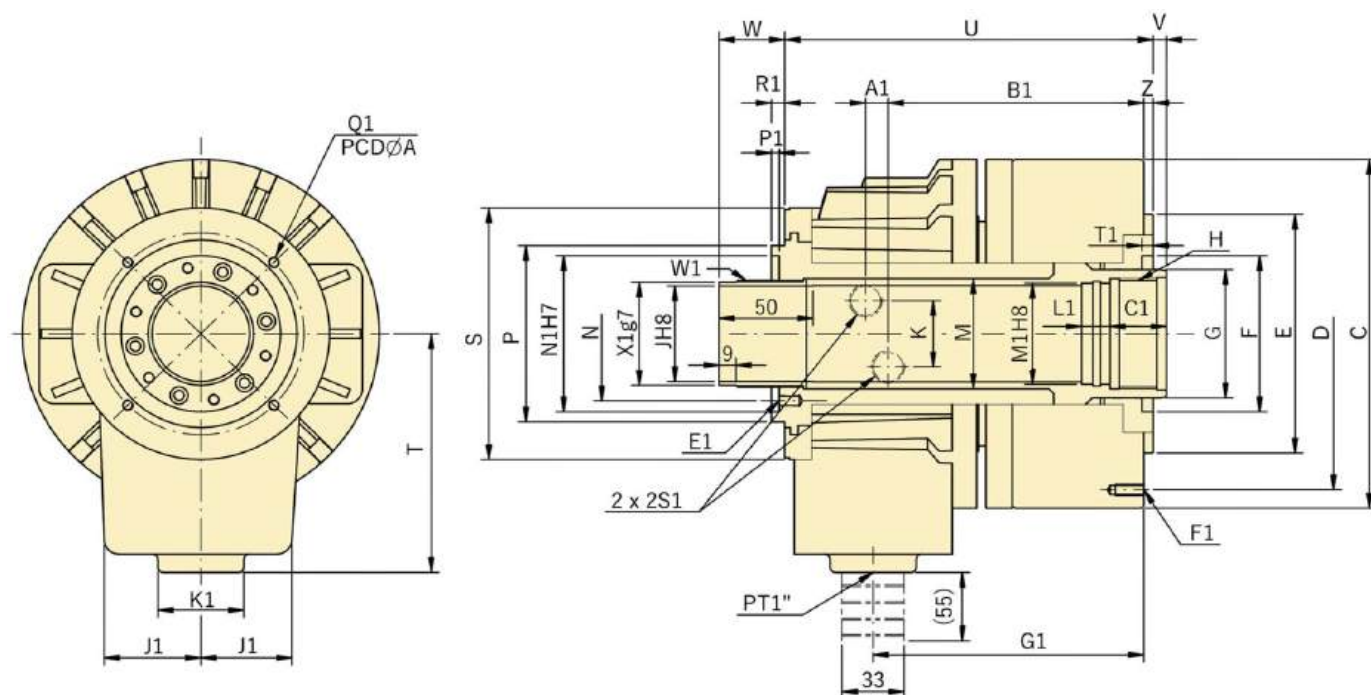


RC- SERIES

高速中空迴轉油壓缸

HIGH SPEED THROUGH HOLE ROTARY HYDRAULIC CYLINDER

Tomfau



SPECIFICATION

MODEL	活塞面積 Effective Piston Area (cm ²)		活塞行程 Piston Stroke (mm)	最高使用迴轉速 Max. Speed (r.p.m)	最高使用壓力 Max. Pressure (kgf / cm ²)	慣性矩 Moment of Inertia (kgf·m ²)	重量 Weight (kg)	回油量 (含內部排油量) Max. oil leakage from drain port and max. internal oil leakage (lit / min)
	押側 Extend	引側 Retract						
RC-4	47	41.5	9	8000	40	0.01	5.6	3
RC-5	67	64.5	15	8000	40	0.013	8.6	3
RC-6S	100	89	15	8000	40	0.029	12.3	3
RC-6	100	89	15	7000	40	0.029	12	3
RC-8S	161	150	22	6200	40	0.045	17	3.9
RC-8	161	150	22	6200	40	0.045	16.8	3.9
RC-10S	198	183	25	4700	40	0.09	27	4.2
RC-10	198	183	25	4700	40	0.029	26.5	4.2
RC-10X	198	183	25	4700	40	0.029	26	4.2
RC-12	252	234	30	3800	40	0.16	33	4.5
RC-15	345	336	23	2800	40	2.34	55	7

超大孔徑迴轉油壓缸 SUPER LARGE THROUGH-HOLE ROTARY HYDRAULIC CYLINDER

SPECIFICATION

MODEL	活塞面積 Effective Piston Area (cm ²)		活塞行程 Piston Stroke (mm)	最高使用迴轉速 Max. Speed (r.p.m)	最高使用壓力 Max. Pressure (kgf / cm ²)	慣性矩 Moment of Inertia (kgf·m ²)	重量 Weight (kg)	回油量 (含內部排油量) Max. oil leakage from drain port and max. internal oil leakage (lit / min)
	押側 Extend	引側 Retract						
RC-2814	397.2	354.3	42	2000	33	1.079	98.9	9.5
RC-2816	397.2	354.3	42	2000	33	0.842	84.3	9.5

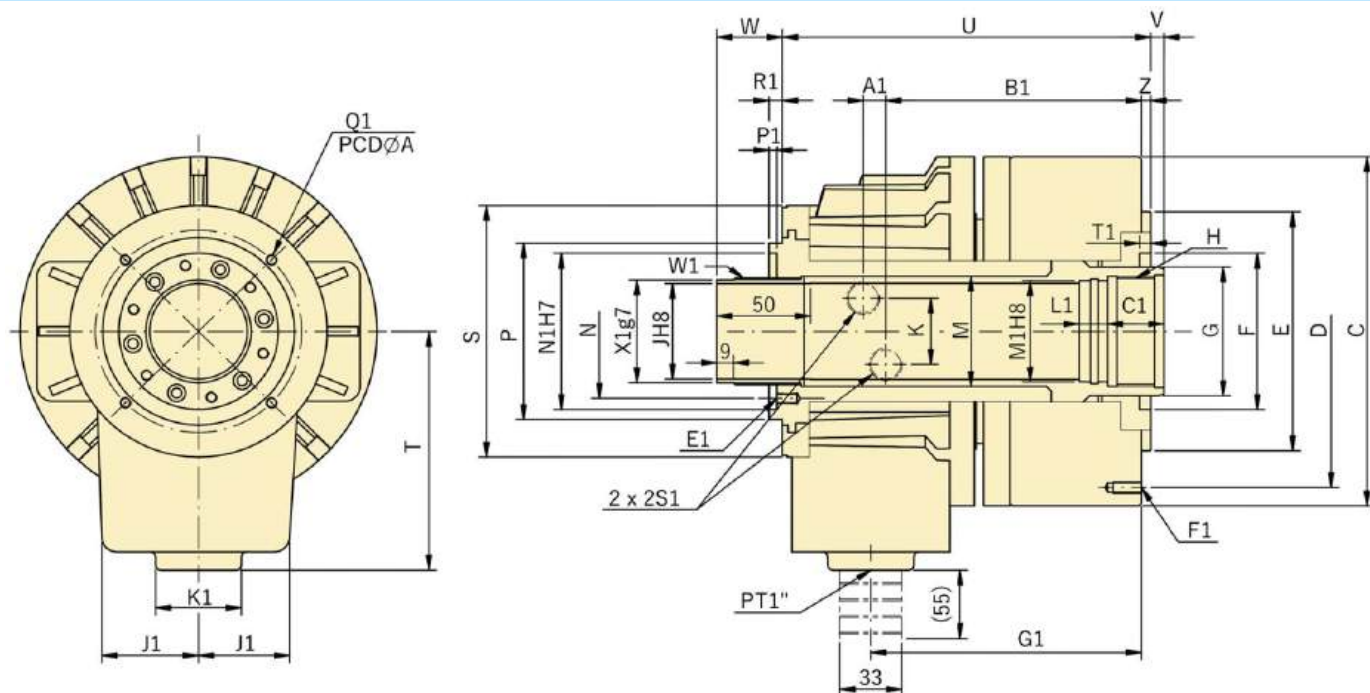


RC- SERIES

高速中空迴轉油壓缸

HIGH SPEED THROUGH HOLE ROTARY HYDRAULIC CYLINDER

Tomfau



DIMENSION

MODEL	C	D	E	F	G	H	J	K	M	N	P	S	T	U	V		W		Z	A
															Max.	Min.	Max.	Min.		
RC-4	115	100	80	65	44	M38x1.5	28	25	35	44	59	90	105	158	9	0	34	25	5	76
RC-5	135	115	100	65	48	M42x1.5	36	30	44.8	55	73	106	115	175.5	10	-5	40	25	5	88
RC-6S	155	130	100	80	65	M55x2	36	36	52.9	64	85	118	115	184	10	-5	40	25	5	98
RC-6	155	130	100	80	65	M55x2	46	36	52.9	64	85	118	115	184	10	-5	40	25	5	98
RC-8S	190	170	130	85	70	M55x2	46	36	59.4	73	96	137	130	196	17	-5	47	25	5	110
RC-8	190	170	130	85	70	M60x2	52	36	59.4	73	96	137	130	196	17	-5	47	25	5	110
RC-10S	215	190	160	120	95	M75x2	68	36	84.6	98	121	166	160	230	20	-5	50	25	5	155
RC-10	215	190	160	120	95	M85x2	75	36	84.6	98	121	166	160	230	20	-5	50	25	5	155
RC-10X	215	190	160	120	95	M87x2	78	36	84.6	98	121	166	160	230	20	-5	50	25	5	155
RC-12	240	215	180	140	110	M100x2	91	36	99.6	108	138	182	185	253	25	-5	50	25	5	165
RC-15	310	275	230	166	140	M130x2	117.5	36	118	148	178	225	215	267	18	-5	56	33	5	206
RC-2814	340	280	-	240	190	M158x3	145	30	178	190	218	285	250	279	41	-1	75	33	-	260
RC-2816	340	280	-	240	190	M180x3	166.5	30	178	190	218	285	250	279	41	-1	75	33	-	260

DIMENSION

MODEL	A1	B1	C1	E1	F1	G1	J1	K1	L1	M1	N1	P1	Q1	R1	S1	T1	W1	X1
RC-4	9.5	106	25	M6x10	M8x20	114.5	60	47	15	30	53	4	M4x10	5	PT 3/8	6	M34x1.5	32
RC-5	11	120.5	25	M5x9	M10x20	126.5	66	47	15	38	64	4	M5x10	5	PT 3/8	6	M44x1.5	42
RC-6S	11.5	126.5	30	M6x9	M10x20	135	76	47	15	50	76	4	M5x10	6	PT 1/2	6	M52x1.5	50
RC-6	11.5	126.5	30	M6x9	M10x20	135	76	47	15	50	76	4	M5x10	6	PT 1/2	6	M52x1.5	50
RC-8S	12	136	30	M6x9	M10x20	145	86	47	15	50	85	4	M6x12	7	PT 1/2	6	M58x1.5	56
RC-8	12	136	30	M6x9	M10x20	145	86	47	15	55	85	4	M6x12	7	PT 1/2	6	M58x1.5	56
RC-10S	17.5	153.5	35	M6x9	M10x20	166.5	101	47	15	76	108	4	M6x12	7	PT 1/2	6	M84x2.0	81
RC-10	17.5	153.5	35	M6x9	M10x20	166.5	101	47	15	80	108	4	M6x12	7	PT 1/2	6	M84x2.0	81
RC-10X	17.5	153.5	35	M6x9	M10x20	166.5	101	47	15	82	108	4	M6x12	7	PT 1/2	6	M84x2.0	81
RC-12	21	168	35	M6x14	M12x24	183	110	47	15	95	120	4	M6x12	7	PT 1/2	6	M99x2.0	96
RC-15	21	153.5	45	M6x10.5	M16x24	197	129	55	20	123	160	5	M6x12	7	PT 1/2	6	M134x2.0	131
RC-2814	13.5	202	45	M6x10.5	M16x30	216	163	67	150	150	174.5	5	M6x12	7	PT 1/2	6	M177x2.0	174.5
RC-2816	13.5	202	45	M6x10.5	M16x30	216	163	67	150	170	174.5	5	M6x12	7	PT 1/2	6	M177x2.0	174.5

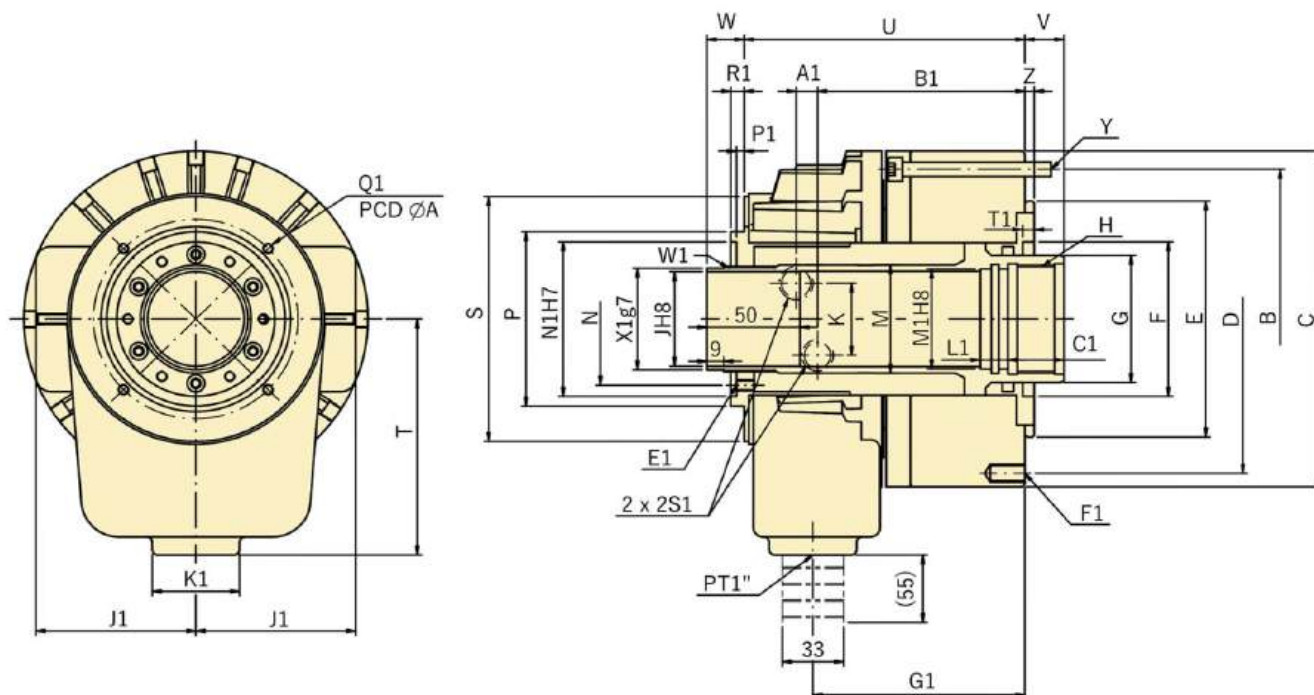


RCS- SERIES

超薄高速中空迴轉油壓缸

COMPACT HIGH SPEED THROUGH HOLE ROTARY HYDRAULIC CYLINDER

Tomfau



SPECIFICATION

MODEL	活塞面積 Effective Piston Area (cm ²)		活塞行程 Piston Stroke (mm)	最高使用迴轉速 Max. Speed (r.p.m)	最高使用壓力 Max. Pressure (kgf / cm ²)	慣性矩 Moment of Inertia (kgf·m ²)	重量 Weight (kg)	回油量 (含內部排油量) Max. oil leakage from drain port and max. internal oil leakage (lit / min)
	伸側 Extend	引側 Retract						
RCS-5	79.2	76.9	15	8000	40	0.007	5.3	3
RCS-6	100	89	15	8000	40	0.022	9	3
RCS-8	148	138	22	6500	40	0.042	13	3.8
RCS-10S	183	169	25	5500	40	0.076	19	4.1
RCS-10	183	169	25	5500	40	0.075	18.7	4.1
RCS-10X	183	169	25	5500	40	0.073	18.5	4.1

DIMENSION

MODEL	C	D	E	F	G	H	J	K	M	N	P	S	T	U	V		W		Z	A	B
															Max.	Min.	Max.	Min.			
RCS-5	142	125	100	65	48	M42x1.5	37	33	45	55	73	104	115	135.5	15	0	40	25	5	88	125
RCS-6	165	130	100	80	65	M55x2.0	46	40	52.9	64	85	116	120	139.5	14	-1	40	25	5	98	147
RCS-8	185	170	130	85	70	M60x2.0	52	40	59.6	73	96	135	130	150.5	21	-1	42	20	5	110	165
RCS-10S	215	190	160	120	95	M75x2.0	68	46	84.6	98	121	163	160	169.5	24	-1	50	25	5	155	195
RCS-10	215	190	160	120	95	M85x2.0	75	46	84.6	98	121	163	160	169.5	24	-1	50	25	5	155	195
RCS-10X	215	190	160	120	95	M87x2.0	78	46	84.6	98	121	163	160	169.5	24	-1	50	25	5	155	195

DIMENSION

MODEL	A1	B1	C1	E1	F1	G1	J1	K1	L1	M1	N1	P1	Q1	R1	S1	T1	W1	X1	Y
RCS-5	11	100.5	25	M5x9	M10x20	97	70	47	15	41	64	1.5	M5x6	4.5	PT 3/8	6	M44x1.5	42	6-M8x70
RCS-6	10.5	105	30	M6x6	M10x20	101.5	76	47	15	50	76	1.5	M5x6	5	PT 3/8	8	M52x1.5	50	6-M8x75
RCS-8	11.5	110.5	30	M6x9	M10x20	110.5	86	47	15	55	85	3	M6x7	5	PT 1/2	6	M58x1.5	56	6-M8x80
RCS-10S	17.5	125.5	35	M6x10	M10x20	126.5	101	47	15	70	108	3	M6x7	7	PT 1/2	6	M84x2.0	81	6-M10x90
RCS-10	17.5	125.5	35	M6x10	M10x20	126.5	101	47	15	80	108	3	M6x7	7	PT 1/2	6	M84x2.0	81	6-M10x90
RCS-10X	17.5	125.5	35	M6x10	M10x20	126.5	101	47	15	82	108	3	M6x7	7	PT 1/2	6	M84x2.0	81	6-M10x90

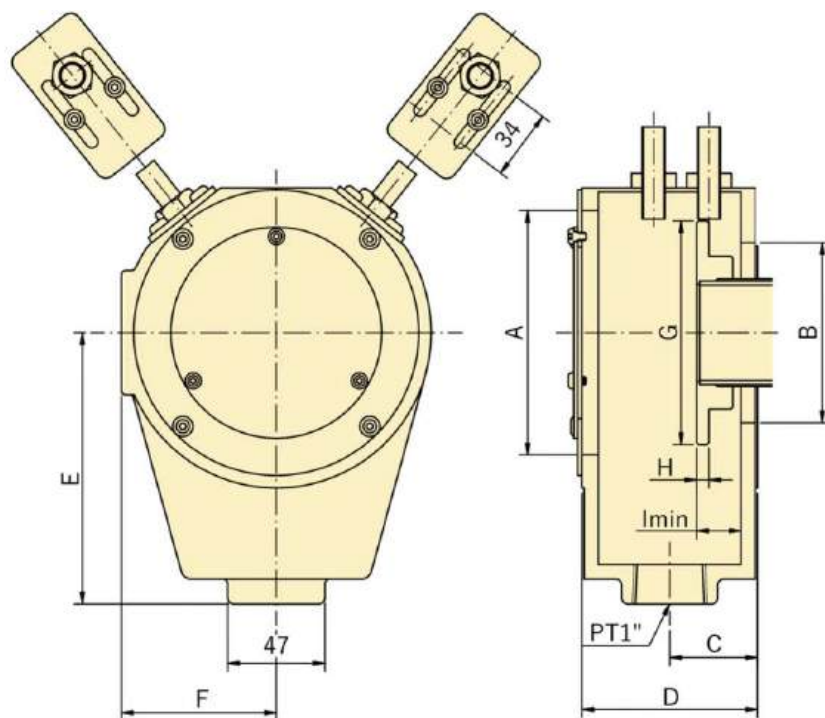


CM-B SERIES

迴轉油壓缸集水槽

COOLANT COLLECTOR of HYDRAULIC CYLINDER

Tomfau



可安裝行程確認裝置及油水回收。

Hydraulic cylinder coolant collector.

Compact and light weight, the feature is the bore size up to 20% larger than conventional cylinders. Precision finished piston bores and cool running rotary unions have trouble-free performance for years.

DIMENSION

MODEL	A	B	C	D	E	F	G	H	I min	搭配油壓缸 Matching Hydraulic Cylinder
CM8B	78	61	42	84	115	60.5	90	6	22	RC-4
CM10B	78	75	42	84	115	60.5	90	6	22	RC-5
CM12B	118	87	42	88.5	131	76	107	6	23	RC-6
CM15B	158	98	44	88.5	151	96	147	6	23	RC-8
CM18B	158	123	44	88.5	151	96	147	6	23	RC-10
CM20B	158	140	44	88.5	151	96	147	6	22.5	RC-12
CM25B	198	180	44	105	215	126	200	6	25	RC-15
CM30B	265	218	49	101	250	148	237	6	25	RC-2814 RC-2816

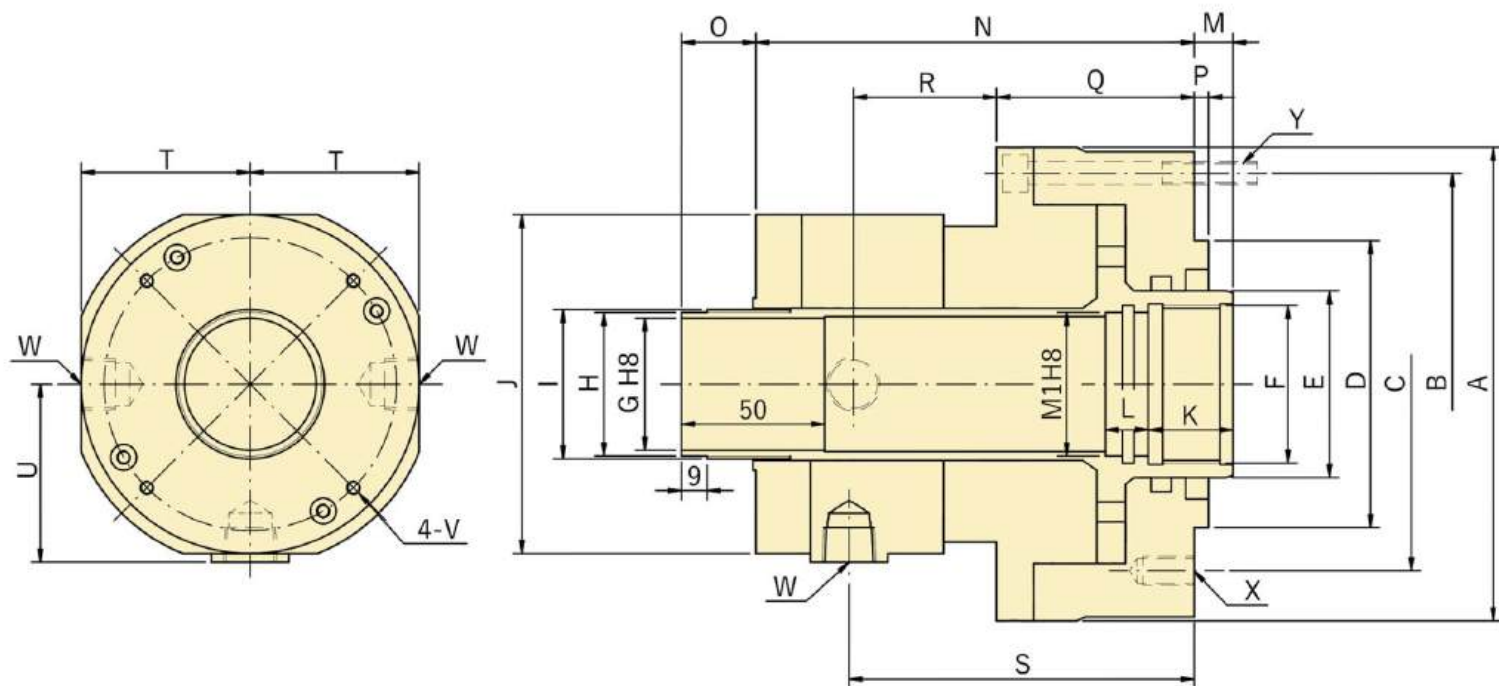


RM-06

Tomfau

超薄副軸中空迴轉油壓缸

**SUPER COMPACT SUB-SPINDLE HIGH SPEED HOLLOW
ROTARY HYDRAULIC CYLINDER**



SPECIFICATION

MODEL	活塞面積 Effective Piston Area (cm ²)		活塞行程 Piston Stroke (mm)	最高使用迴轉速 Max. Speed (r.p.m)	最高使用壓力 Max. Pressure MPa (kgf/cm ²)	慣性矩 Moment of Inertia (kgf·m ²)	重量 Weight (kg)	回油量 (含內部排油量) Max. oil leakage from drain port and max. internal oil leakage (lit / min)
	押側 Extend	引側 Retract						
RM-06	100.6	89.5	15	7000	4.0 (40.8)	0.019	8.5	3
RM-06S	100.6	89.5	15	7000	4.0 (40.8)	0.020	9.0	3

DIMENSION

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M1
RM-06	165	147	130	100	65	M55x2	46	50	M52x1.5	118	29.5	15	50
RM-06S	165	147	130	100	65	M50x1.5	43	50	M52x1.5	118	29.5	15	50

DIMENSION

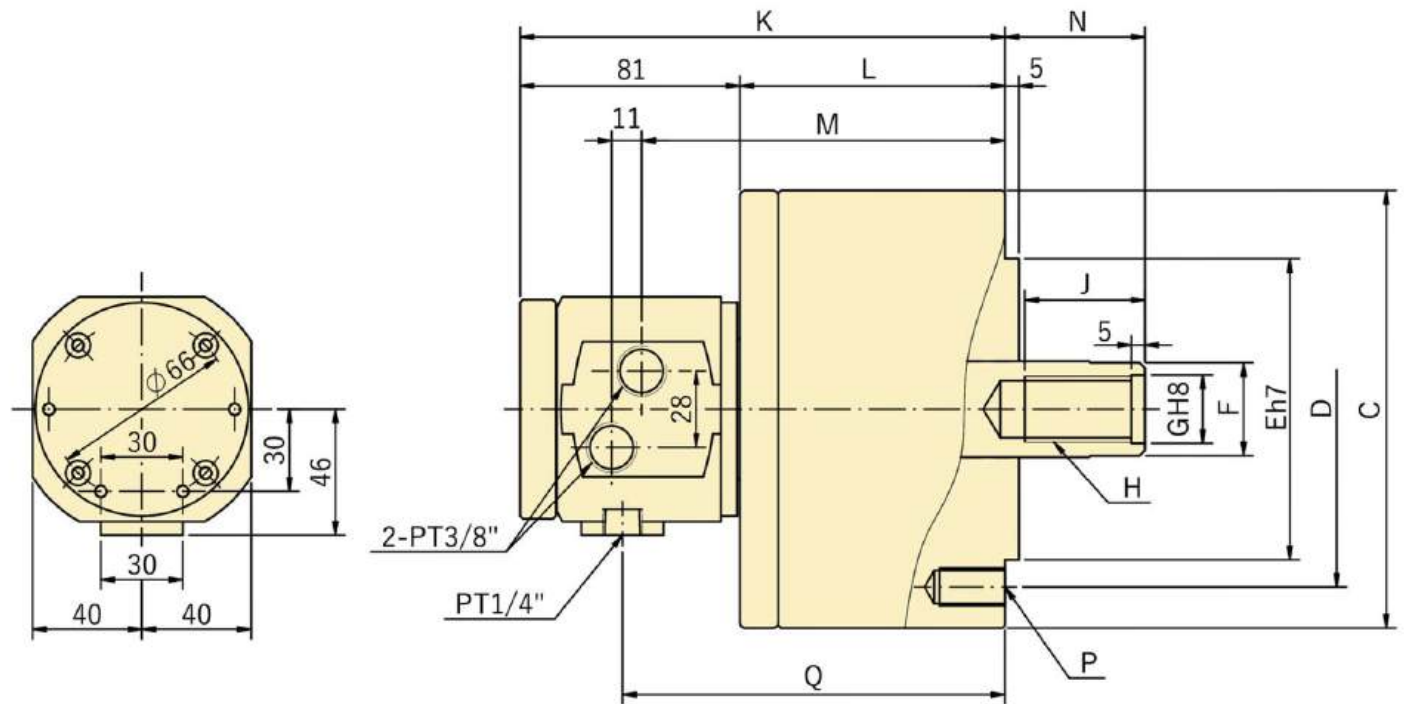
MODEL	M		N	O		P	Q	R	S	T	U	V	W
	Max.	min.		Max.	min.								
RM-06	13.5	-1.5	153	26	41	5	69	50	120.5	59	62	4-M5x6	PT 3/8"
RM-06S	13.5	-1.5	153	26	41	5	69	50	120.5	59	62	4-M5x6	PT 3/8"



MH- SERIES

中實迴轉油壓缸

NON THROUGH HOLE ROTARY HYDRAULIC CYLINDER



採用高級鋁合金製造，體積小，重量輕，可減輕機械主軸負擔。

高轉速由於體型輕巧，精密度高適合高轉速。

Made of high-grade aluminum alloy, it is compact and lightweight, reducing the burden on the machine spindle.

Due to its compact and lightweight design, it is highly precise and suitable for high-speed applications.

SPECIFICATION

MODEL	活塞行程 Piston Stroke (mm)	活塞面積 Effective Piston Area		最大拉桿推力 Max. Draw Bar Pull Force KN (kgf)	最高使用油壓力 Max. Operating Pressure MPa (kgf/cm ²)	總流量 Total Leakage (l/min)	最高轉數 Max. Speed (r.p.m.)	重量 Weight (KG)	慣性矩 Moment of Inertia N.m (kgf.m ²)
		推側 Push Side (cm ²)	拉側 Pull Side (cm ²)						
MH-75	15	44	39	15.5 (1560)	4.0 (40.8)	0.8	6,000	3.6	0.108 (0.011)
MH-105	20	86	81	32 (3240)	4.0 (40.8)	0.8	6,000	6.3	0.39 (0.04)
MH-125	25	122	115	46 (4600)	4.0 (40.8)	0.8	6,000	9	0.88 (0.09)
MH-150	30	176	160	63 (6424)	4.0 (40.8)	0.8	5,500	12.5	1.86 (0.19)
MH-200	35	314	290	113 (11523)	4.0 (40.8)	0.8	5,500	21	3.82 (0.39)

DIMENSION

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N		P	Q
													Max.	min.		
MH-75	75	15	115	90	65	30	21	M20x2.5	35	147	66	102	46	31	6-M8x1.25	108
MH-105	105	20	135	100	80	30	21	M20x2.5	35	170	89	125	45	25	6-M10x1.5	131
MH-125	125	25	160	130	110	35	25	M24x3.0	44	178	97	133	51	26	6-M12x1.75	139
MH-150	150	30	190	130	110	45	31	M30x3.5	45	187	106	142	56	26	12-M12x1.75	148
MH-200	200	35	245	145	120	55	37	M36x4.0	60	203	122	158	69	34	12-M16x3.0	164

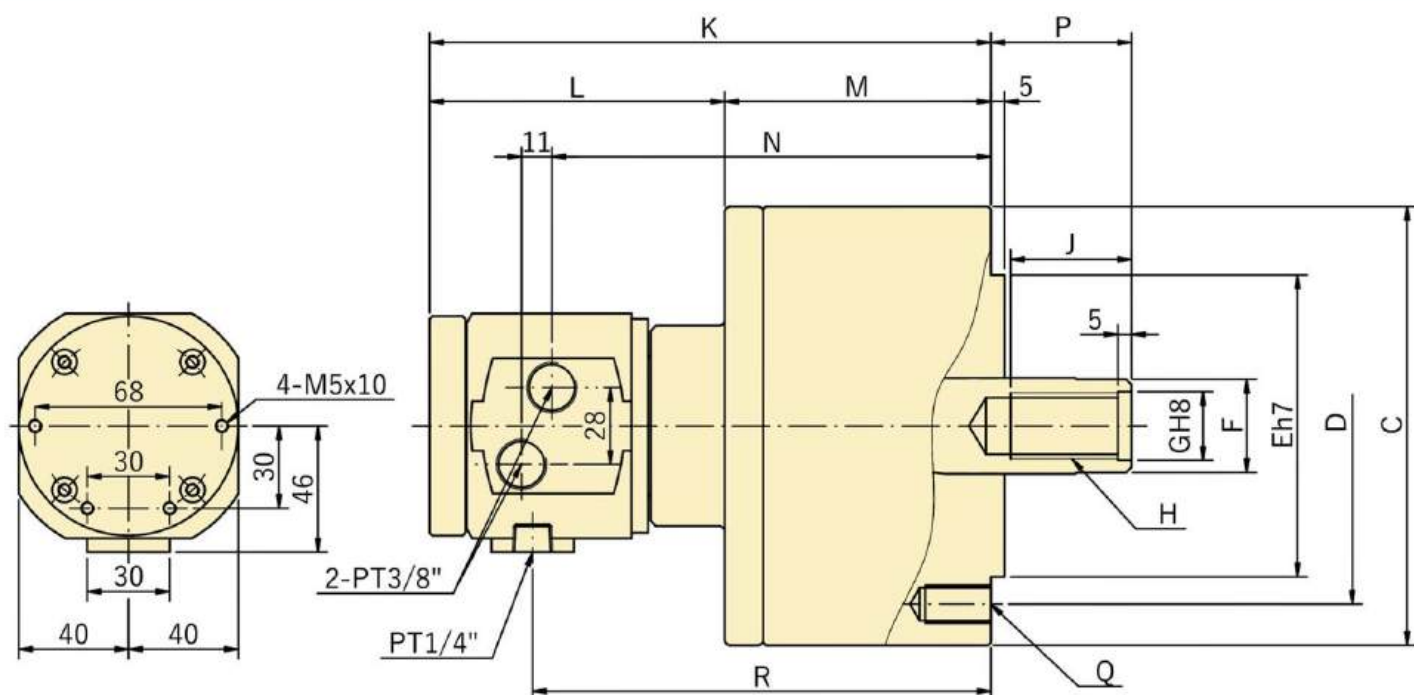


MS- SERIES

Tomfau

中實迴轉油壓缸(含逆止閥)

NON THROUGH HOLE ROTARY HYDRAULIC CYLINDER
(with VALVE)



內附逆止閥，當壓力源故障時或油壓配管受損停電等供電壓力異常下降時之壓力保持，免除工作飛出之危險。

With a check valve, it maintains pressure in case of pressure source failure, hydraulic piping damage, power outage, or abnormal pressure drop, preventing the risk of workpieces flying out.

SPECIFICATION

MODEL	活塞行程 Piston Stroke (mm)	活塞面積 Effective Piston Area		最大拉桿推力 Max. Draw Bar Pull Force KN (kgf)	最高使用油壓力 Max. Operating Pressure MPa (kgf/cm ²)	總流量 Total Leakage (l/min)	最高轉數 Max. Speed (r.p.m.)	重量 Weight (KG)	慣性矩 Moment of Inertia (kgf.m ²)
		推側 Push Side (cm ²)	拉側 Pull Side (cm ²)						
MS-105	20	86	79	29 (2957)	4.0 (40.8)	0.8	6,000	7.1	0.0125
MS-125	25	122	113	42 (4283)	4.0 (40.8)	0.8	6,000	10	0.0225
MS-150	30	176	160	60 (6118)	4.0 (40.8)	0.8	5,500	13.5	0.0475
MS-200	35	314	290	108 (11013)	4.0 (40.8)	0.8	5,500	22	0.0975

DIMENSION

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P MAX	P MIN	Q	R
MS-105	105	20	135	100	80	30	21	M20x2.5	35	197	108	89	152	45	25	6-M10x20	158
MS-125	125	25	160	130	110	35	25	M24x3.0	44	205	108	97	160	51	26	6-M12x24	166
MS-150	150	30	190	130	110	45	31	M30x3.5	45	214	108	106	169	56	26	12-M12x24	175
MS-200	200	35	245	145	120	55	37	M36x4.0	60	228	106	122	183	69	34	12-M16x30	189

拉桿推力：油壓力 4.0MPa (40.8 kg/cm²)
總流量：油壓力 3.0MPa (30.6 kg/cm²)及溫度50℃

Draw bar pull force: Pressure 4.0MPa (40.8 kg/cm²)
Total leakage: Pressure 3.0MPa (30.6 kg/cm²) and oil temperature 50℃

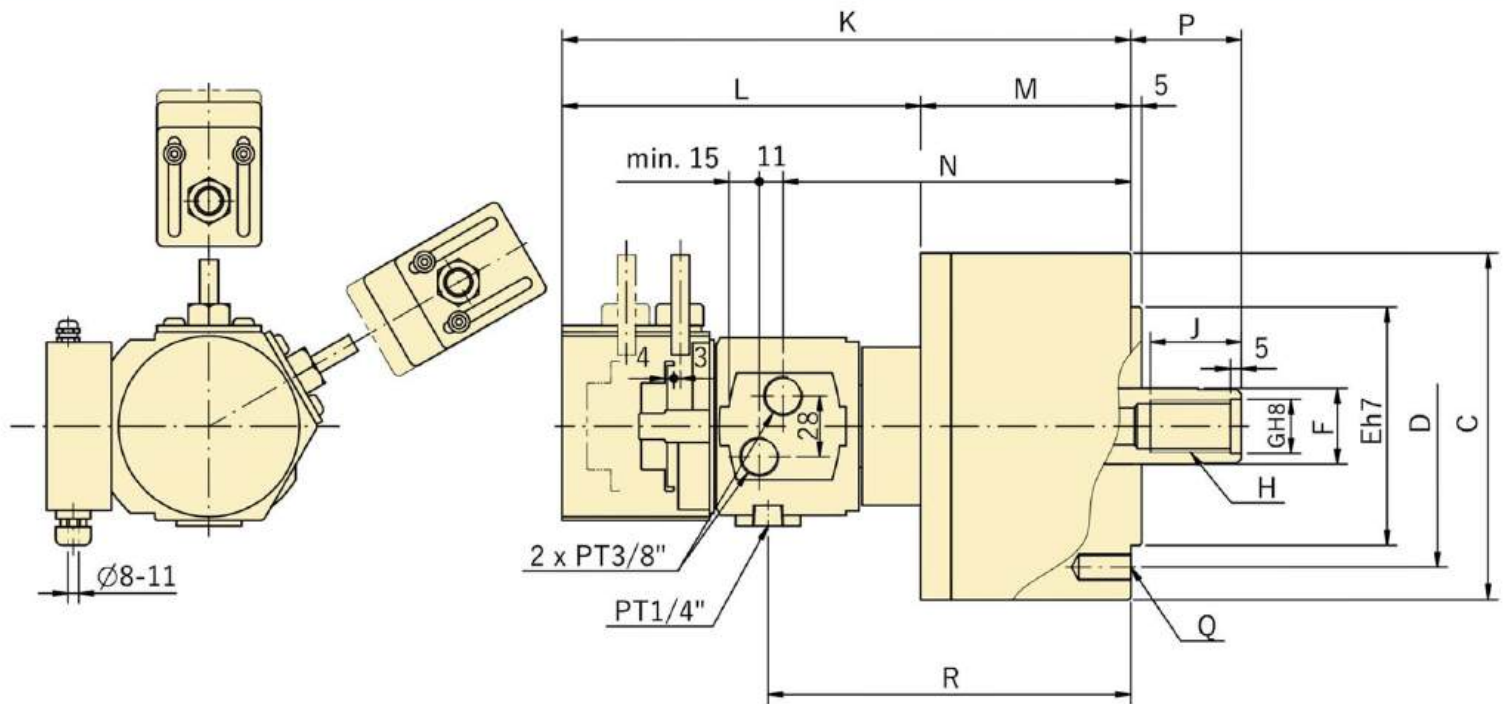


MS-C SERIES

Tomfau

中實迴轉油壓缸(含逆止閥.檢知裝置)

NON THROUGH HOLE ROTARY HYDRAULIC CYLINDER
(with VALVE and DETECTING STRUCTURE)



SPECIFICATION

MODEL	活塞行程 Piston Stroke (mm)	活塞面積 Effective Piston Area		最大拉桿推力 Max. Draw Bar Pull Force KN (kgf)	最高使用油壓力 Max. Operating Pressure MPa (kgf/cm ²)	總流量 Total Leakage (l/min)	最高轉數 Max. Speed (r.p.m.)	重量 Weight (KG)	慣性矩 Moment of Inertia (kgf.m ²)
		推側 Push Side (cm ²)	拉側 Pull Side (cm ²)						
MS-105C	20	84	79	29 (2957)	4.0 (40.8)	0.8	6,000	7.6	0.0125
MS-125C	25	120	113	42 (4283)	4.0 (40.8)	0.8	6,000	10.5	0.022
MS-150C	30	174	160	60 (6118)	4.0 (40.8)	0.8	5,500	14	0.047
MS-200C	35	312	290	108 (11013)	4.0 (40.8)	0.8	5,500	22.5	0.097

DIMENSION

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P MAX	P MIN	Q	R	S	T
MS-105C	105	20	135	100	80	30	21	M20x2.5	35	252	163	89	152	45	25	6-M10x20	158	23	41
MS-125C	125	25	160	130	110	35	25	M24x3.0	44	260	163	97	160	51	26	6-M12x24	166	23	41
MS-150C	150	30	190	130	110	45	31	M30x3.5	45	269	163	106	169	56	26	12-M12x24	175	23	41
MS-200C	200	35	245	145	120	55	37	M36x4.0	60	288	166	122	185	69	34	12-M16x30	189	28	46

拉桿推力：油壓力 4.0MPa (40.8 kg/cm²)

總流量：油壓力 3.0MPa (30.6 kg/cm²)及溫度50℃

接近開關：規格 BES516-329-E4-Y (BALLUFF) DC 12/24V 200mA NPN

Draw bar pull force: Pressure 4.0MPa (40.8 kg/cm²)

Total leakage: Pressure 3.0MPa (30.6 kg/cm²) and oil temperature 50℃

Proximity switch : Model BES516-329-E4-Y (BALLUFF) DC 12/24V 200mA NPN