PRC-CI5 Type

Powder Clutch

One shaft type–Quill shaft

※ The content of this leaflet may be changed without prior notice, for which we request your kind understanding.

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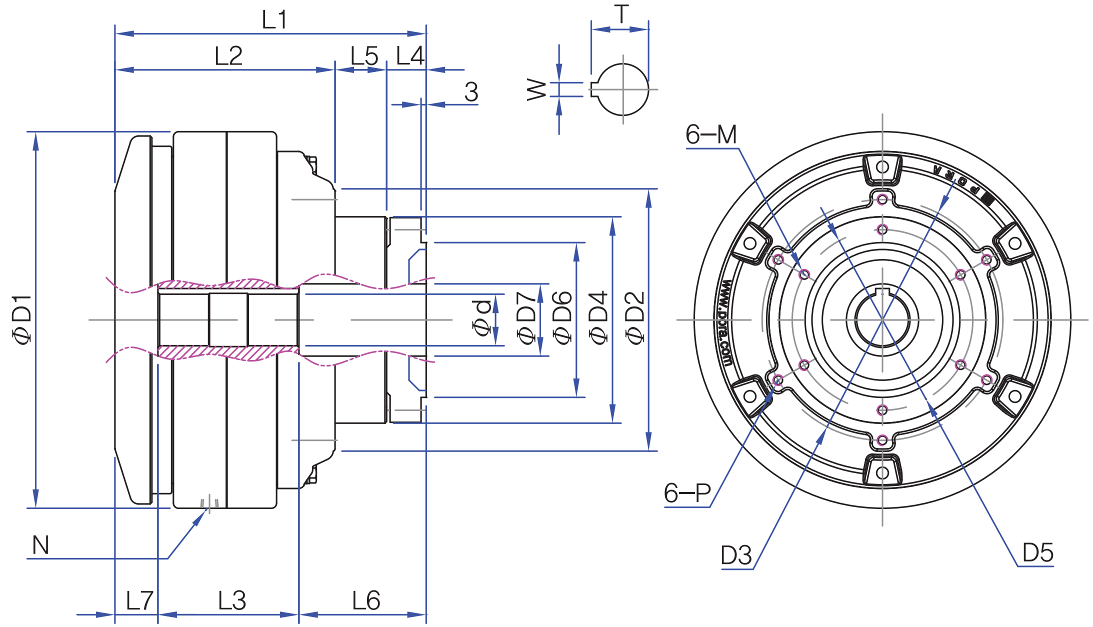
DIMENSION



Product Name	L1	L2	L3	L4	L5	D1	D2	D3	D4	D5	N	M	P	R	d	d1	W	W1	T	T1
PRC-2.5CI$_5$	148	109.5	72	19.5	19	59.7	16.3	184	117	106	90	75	58	28	1/8	M6	M6	20	6×6	22.8
PRC-5CI$_5$	181	128	82	23	30	74	25	219	152.5	140	120	105	90	42	1/4	M6	M6	30	8×8	33.3
PRC-10CI$_5$	216	157	93	21	38	88.5	34.5	290	179.5	160	130	110	90	44	3/8	M8	M10	35	10×8	38.3
PRC-20CI$_5$	257	186	108	22	49	102.5	46.5	325	227.5	200	160	140	120	62	3/8	M10	M10	45	14×9	48.8
PRC-40CI$_5$	294	226	134	22	46	106	54	395	227.5	200	160	140	120	62	3/8	M10	M12	50	14×9	53.8

SPECIFICATIONS

Product Name	Torque (Nm)	Voltage (Vdc)	Resistor (Ω)	Current (A)	Power (W)	Time Constant (sec)	Moment of Inertia (kgm^2)		Powder Quantity (g)	Rev Count (rpm)	Natural air cooled type	Forced air cooled type			Bearing Specification	Weight (kg)
							Input Side	Output Side			Rate of Slip Production (W)	Wind pressure (Pa)	Air volume (m^3/min)	Rate of Slip Production (W)		
PRC-2.5CI$_5$	25	24	12.1	1.98	47.6	0.1	3.80×10^{-3}	1.49×10^{-3}	40	800	230	3×10^{4}	0.2	250	#6006, #6906, #6911	10.1
PRC-5CI$_5$	50		9.3	2.58	61.9	0.15	9.50×10^{-3}	4.80×10^{-3}	80	800	360	5×10^{4}	0.4	380	#6009, #6013, #6908	18.2
PRC-10CI$_5$	100		8.4	2.86	68.6	0.2	3.50×10^{-2}	2.50×10^{-2}	150	800	600	1×10^{4}	0.6	700	#6010, #6014, #6910	35.7
PRC-20CI$_5$	200		7.3	3.29	78.9	0.3	9.15×10^{-2}	6.89×10^{-2}	230	500	850	6×10^{4}	11	1,100	#6013, #6018, #6912	53.3
PRC-40CI$_5$	400		5.8	4.14	99.3	0.4	2.41×10^{-1}	2.20×10^{-1}	450	500	1,200	2×10^{4}	2	2,800	#6014, #6018, #6914	104

※The revolutions per minute (RPM) is the maximum number of revolutions. ※When using the maximum RPM continuously, it causes overheating and burnout.
※When using forced air cooled type, be sure to use pure dry air through an air filter. (full deoiling type) ※The idle torque is below 1% of the regular torque. ※As of 2017