

No.E-9127

Cast Iron Surface Plates

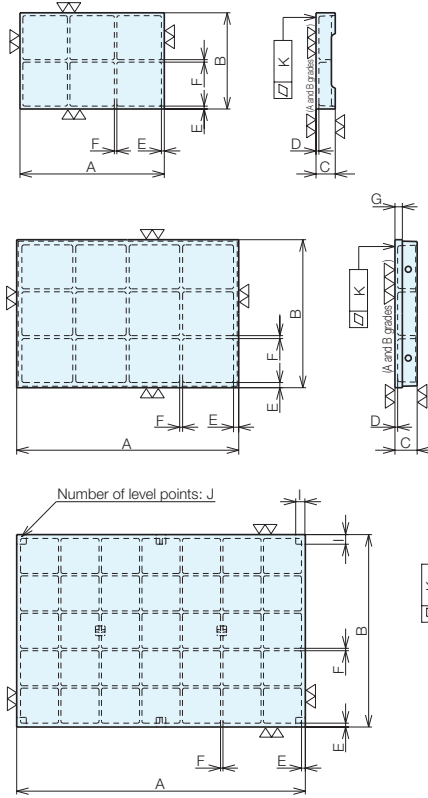
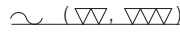
Material FC250 **Structure** Rib structure

Heat Treatment Annealing

Used Surface Machined finish, hand scraped finish
(grade A scraping, grade B scraping)

Painting Position Side face of scraped items

- Six face machining.
- Can be used for a wide range of applications from inspection and measurement to fabrication and assembly.



* The level point and rib positions vary depending on the size.

Size Chart

No.	A × B × C	D	E	F	G	H	I	J	Number of Ribs	Maximum Allowable Load (kN)	Weight (kg)
CP02020	200 × 200 × 50	9	8	7	-	-	-	-	1 × 1	0.5	5
CP02525	250 × 250 × 50	10	8	8	-	-	-	-	1 × 1	0.5	9
CP02530	300 × 250 × 50	10	8	8	-	-	-	-	1 × 1	0.5	10
CP03030	300 × 300 × 50	12	10	10	-	-	-	-	1 × 1	0.5	16
CP03035	350 × 300 × 50	12	10	10	-	-	-	-	1 × 1	0.5	17
CP03040	400 × 300 × 60	12	10	10	-	-	-	-	1 × 1	0.5	18
CP03045	450 × 300 × 60	15	12	10	-	-	-	-	1 × 1	0.5	17
CP03540	400 × 350 × 60	15	12	10	-	-	-	-	1 × 1	1	22
CP04545	450 × 450 × 75	15	11	10	-	-	-	-	2 × 2	1.6	35
CP04560	600 × 450 × 100	15	12	10	-	-	-	-	1 × 1	2	57
CP05050	500 × 500 × 75	15	11	8	-	-	-	-	2 × 2	1.6	42
CP05075	750 × 500 × 100	15	15	13	-	-	-	-	1 × 2	4	94
CP06060	600 × 600 × 100	15	13	10	-	-	-	-	2 × 2	2	75
CP06090	900 × 600 × 100	15	14	13	-	-	-	-	1 × 2	4	120

Jig Set-up Systems
(Q-lock)

Base Elements

Clamp Units

Clamping Parts

Mechanical Parts

Machine Visas

Surface Plates and
Measurement Instruments

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Size Chart

No.	A × B × C	D	E	F	G	H	I	J	Number of Ribs	Maximum Allowable Load (kN)	Weight (kg)
CP07510	1000 × 750 × 125	18	23	16	50	-	-	-	2 × 3	8	277
CP09090	900 × 900 × 125	15	25	20	50	-	-	-	2 × 2	8	260
CP09012	1200 × 900 × 125	18	25	20	50	-	-	-	2 × 2	8	365
CP09018	1800 × 900 × 150	22	25	20	50	-	-	-	2 × 2	8	591
CP10010	1000 × 1000 × 125	18	25	20	50	-	-	-	2 × 2	8	355
CP10012	1200 × 1000 × 150	18	25	20	50	-	-	-	2 × 3	8	469
CP10015	1500 × 1000 × 150	18	25	20	50	-	-	-	2 × 3	8	555
CP10020	2000 × 1000 × 150	22	25	20	50	-	-	-	2 × 3	8	774
CP12012	1200 × 1200 × 150	22	20	15	-	-	-	-	3 × 3	12.5	512
CP12018	1800 × 1200 × 175	20	20	15	-	-	-	-	3 × 4	12.5	715
CP12024	2400 × 1200 × 200	35	30	18	-	-	-	-	3 × 7	16	1650
CP15030	3000 × 1500 × 250	42	35	20	-	-	-	-	3 × 6	25	2820
CP20020	2000 × 2000 × 320	40	35	25	100	20	100	9	3 × 3	25	2700
CP20030	3000 × 2000 × 270	45	40	25	-	20	100	8	4 × 6	25	4220

Specifications

Machined Finish			Grade B Scraping			Grade A Scraping		
Order No.	No.	Flatness: K	Order No.	No.	Flatness: K	Order No.	No.	Flatness: K
940684	CP02020M	0.029	940721	CP02020B	0.019	940758	CP02020A	0.010
940685	CP02525M	0.033	940722	CP02525B	0.022	940759	CP02525A	0.011
940686	CP02530M	0.036	940723	CP02530B	0.023	940760	CP02530A	0.012
940687	CP03030M	0.038	940724	CP03030B	0.025	940761	CP03030A	0.012
940688	CP03035M	0.041	940725	CP03035B	0.026	940762	CP03035A	0.013
940689	CP03040M	0.043	940726	CP03040B	0.028	940763	CP03040A	0.014
940690	CP03045M	0.046	940727	CP03045B	0.030	940764	CP03045A	0.015
940691	CP03540M	0.045	940728	CP03540B	0.029	940765	CP03540A	0.015
940692	CP04545M	0.052	940729	CP04545B	0.033	940766	CP04545A	0.016
940693	CP04560M	0.060	940730	CP04560B	0.038	940767	CP04560A	0.019
940694	CP05050M	0.057	940731	CP05050B	0.036	940768	CP05050A	0.018
940695	CP05075M	0.070	940732	CP05075B	0.046	940769	CP05075A	0.022
940696	CP06060M	0.066	940733	CP06060B	0.042	940770	CP06060A	0.021
940697	CP06090M	0.082	940734	CP06090B	0.051	940771	CP06090A	0.026
940698	CP07510M	0.096	940735	CP07510B	0.060	940772	CP07510A	0.030
940699	CP09090M	0.095	940736	CP09090B	0.059	940773	CP09090A	0.029
940700	CP09012M	0.110	940737	CP09012B	0.068	940774	CP09012A	0.034
940701	CP09018M	0.144	940738	CP09018B	0.088	940775	CP09018A	0.044
940702	CP10010M	0.104	940739	CP10010B	0.065	940776	CP10010A	0.032
940703	CP10012M	0.115	940740	CP10012B	0.070	940777	CP10012A	0.035
940704	CP10015M	0.130	940741	CP10015B	0.080	940778	CP10015A	0.040
940705	CP10020M	0.159	940742	CP10020B	0.097	940779	CP10020A	0.049
940706	CP12012M	0.123	940743	CP12012B	0.076	940780	CP12012A	0.038
940707	CP12018M	0.154	940744	CP12018B	0.095	940781	CP12018A	0.047
940708	CP12024M	0.189	940745	CP12024B	0.115	940782	CP12024A	0.058
940709	CP15030M	0.233	940746	CP15030B	0.142	940783	CP15030A	0.071
940711	CP20020M	0.198	940748	CP20020B	0.121	940785	CP20020A	0.061
940712	CP20030M	0.250	940749	CP20030B	0.152	940786	CP20030A	0.076

About the Maximum Allowable Load

The maximum allowable load is the value calculated and set based on a "loading calculation" under the following conditions. This should be used as a rough guide when selecting the surface plate.

- Load conditions: Load concentrated in the center
- Support conditions: Freely supported at both ends

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