Surge Clutch / Brake Table (1)

Nominal tons(ton)	Stroke(mm)	Necessary torque (kgm)	Clutch / brake size	Clutch Fixed Torque (kgm)	Brake Fixed Torque (kgm)
10	40	58.4	40	63	35
20	60	175.2	61	250	150
30	80	350.4	71	500	300
50	100	730	76	750	450
75	120	1314	82	1500	850
100	130	1898	85	2000	1200
100	150	2190	85	2000	1200

(Notes)
1. The occurrence position of the pressure angle is in front of 17 (around the dead corner)
2. The operating air pressure 6kgn/cm^2
3. This table is available for the fly-wheel punching.

Surge Clutch / Brake Table (2)

Nominal tons(ton)	Stroke(mm)	Necessary torque (kgm)	Clutch / brake size	Clutch Fixed Torque (kgm)	Brake Fixed Torque (kgm)
10	40	87.6	50	125	70
20	60	262.8	61	250	15
30	80	525	71	500	300
50	100	1095	79	1000	600
75	120	1971	85	2000	1200
100	130	2847	88	3000	1800
100	150	3285	91	4500	2500

(Notes)
1. The occurrence position of the pressure angle is in front of 26 (around the dead corner)
2. The operating air pressure 6kgn/cm^2
3. This table is available for the fly-wheel punching.

Surge Clutch / Brake Table (3)

Nominal tons(ton)	Stroke(mm)	Necessary torque (kgm)	Clutch / brake size	Clutch Fixed Torque (kgm)	Brake Fixed Torque (kgm)
15	55	31	29	30	18
20	56	44	40	63	35
25	70	62	40	63	35
30	80	75	50	125	70
40	90	150	61	250	150
50	100	196	61	250	150
60	110	250	61	250	150
70	120	307	71	500	300
80	120	350	71	500	300
100	120	435	71	500	300

(Notes)
1. Regarding 10-30 tons, the occurrence position of the pressure angle is in front of 3mm around the dead corner, and 40-100 tons is in front of 6mm around the dead corner.
2. The operating air pressure 6kgn/cm^2
3. This table is available for the fly-wheel punching.