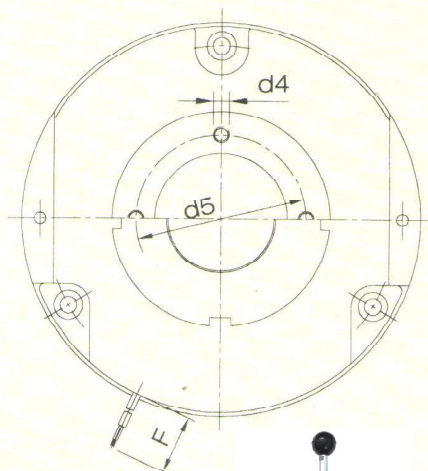


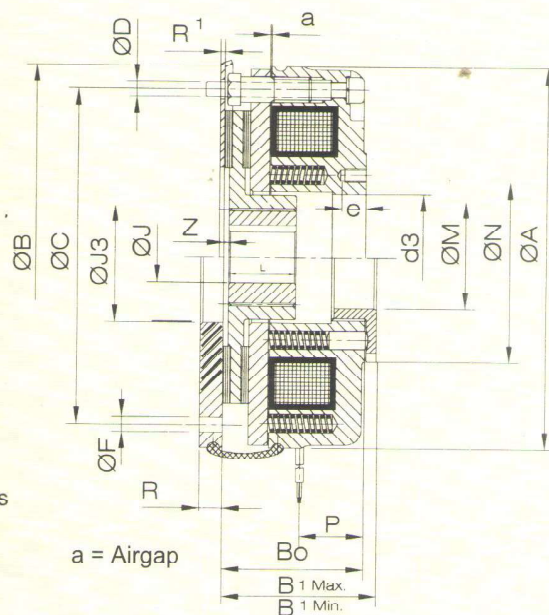
E-mail: info@powermechengineering.com  
Phone: 044 - 42614058, 24715461



F for size :  
06 to 14 = 410  
16 to 25 = 610



Flange with G.pcd & 'H' holes



a = Airgap

Brake shown with Mounting Flange / Friction Plate & Rubber Seal

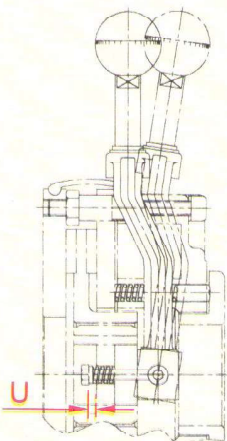
**BRAKE TYPE 14.458**

**PARAMETERS**

Mobile: +91 9940429288

e-mail: info@powermechengineering.com

Size (Represents 2 digits after 14.458)	06	08	10	12	14	16	18	20	25
Torque M rat. [Nm]	4	8	16	32	60	80	150	260	400
Max. Speed rpm [min <sup>-1</sup> ]	3000	3000	3000	3000	3000	3000	1500	1500	1500
Input Power P20 [w]	20	25	30	40	50	55	85	100	110
ØA	87	105	130	150	165	190	217	254	302
ØB	82	101.5	127	147	163.5	188.5	-	-	-
B0	36.3	42.8	48.4	54.9	66.3	72.5	83.1	97.6	106.7
B1 Max.	41.5	48.5	56	64.5	77	82.5	98	114	124
B1 Min.	39.5	47	52.5	59	71.5	77.5	89	104.6	115.7
ØC	72	90	112	132	145	170	196	230	278
ØD	3 x M4	3 x M5	3 x M6	3 x M6	3 x M8	3 x M8	6 x M8	6 x M10	6 x M10
ØF	3 x 4.5	3 x 5.5	3 x 6.6	3 x 6.6	3 x 9	3 x 9	4 x 9	6 x 11	6 x 11
ØG	30 <sup>#</sup>	45 <sup>#</sup>	56	62	74	84	100	120	150
ØH	3 x 4.5	3 x 5.5	3 x 6.6	3 x 6.6	3 x 9	3 x 9	6 x 9	6 x 9	6 x 11
ØJ3	20/31 #	30/41#	40	45	55	65	75	90	120
L	18	20	20	25	30	30	35	40	50
ØM	24	26	33	40	48	56	64	73.1	95.1
ØN	52	60	68	82	92	102	116	135	180
P	12	14	15	18	20	25	28	35	35
R	6	7	9	9	11	11	11	11	12.5
R <sub>1</sub>	1.5	1.5	1.5	1.5	1.5	1.5	-	-	-
z	1	1.5	2	2	2	2.25	2.75	3.5	4.5
a	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5
U	1	1	1	1	1	1.5	1.5	1.5	2
d3 <sup>H7</sup>	25	32	42	50	60	68	75	85	115
d4	4 x M4	4 x M5	4 x M5	4 x M5	4 x M6	4 x M6	4 x M8	4 x M10	4 x M10
d5	37.7	49	54	64	75	85	95	110	140
e	10	12	15	15	15	15	15	20	20
ØJ <sup>H7</sup> **	10,11 12,14 15	11,12 14,15 19,20	11,12 14,15 19,20	20,24 25	20,24 25,28 30,32	25,28 30,32 34,35	30,35 38,40 42	35,40 42,45 48	45,48 50,52 55,60,65
*** max. bores	15	24*	24*	28*	34*	38*	45	50	70*
Inertia J[kg cm <sup>2</sup> ]	0.15	0.61	2.0	4.5	6.3	15	29	73	200
Weight kg	0.85	1.45	2.50	4	5.6	8.4	12.6	19.5	31



Brake shown with Manual Hand Release

\*\* Standard bores  
\*\*\* max. bores

**IMPORTANT :**

M rat.: Rated Brake torque in Nm, referred to = 100 min<sup>-1</sup>  
1 Nm = 0.102 kgm = 0.737 lb. Ft.  
Standard voltages: 24 V.D.C.; 96 V.D.C.; 190 V.D.C.  
Other voltages on request.  
P: Coil power at 20° C  
Permissible voltage change +5% to -10%  
Recommended ISO shaft tolerances  
Up to Ø50 mm = k6  
Over Ø50mm = m6  
keyways to DIN 6885/ IS : 2048  
\* Non std. Keyway  
'H' holes on 'G' pcd, only on request.

Friction Plate upto size 16 only  
# Applicable for flange bore 20/30

- # For size 06 ØJ ≤ 11, ØJ3=20
- " — ØJ ≥ 12, ØJ3=31
- # For size 08 ØJ ≤ 15, ØJ3=30
- " — ØJ ≥ 16, ØJ3=41

All dimensions are in mm

Specifications are subject to change without notice.

