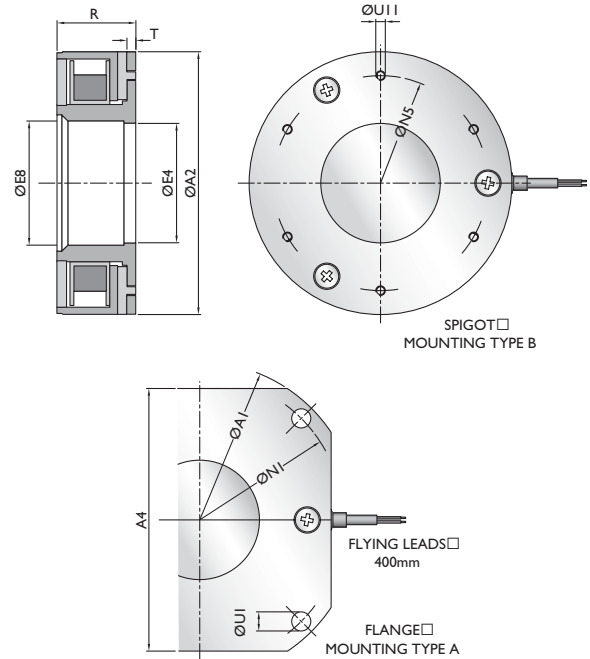
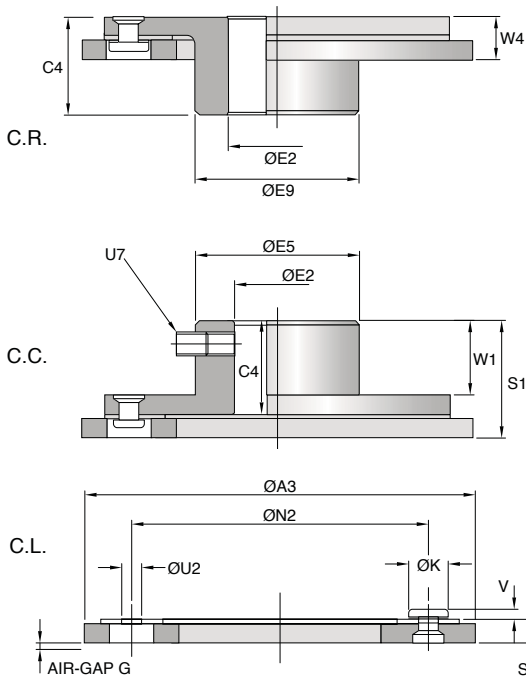


BRAKE TYPE 62

PERMANENT MAGNET BRAKES

Stephenson Gobin Permanent Magnet (fail-safe) Brakes incorporate the use of High Specification Rare-Earth materials to ensure a positive stopping action in all types of rotating machinery.



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These power-off devices are designed so that when the power is removed from the unit, for whatever reason, the magnetic energy of a Permanent Magnetic disc is channelled and controlled to attract the steel armature plate across an air-gap, thus clamping it in its place against the stationary field housing to give the required braking effect.

The armature assembly is fitted to the rotating machine element. An integral diaphragm spring allows the armature plate to move across the air-gap.

When power is returned to the brake coil the armature plate is released from the brake field allowing free movement of the rotating machine element.

Two types of Permanent Magnet Brake are currently available from SG Transmission. They can be supplied as a flange mounted unit or as a spigot-only design depending upon the actual customer application.

SG Transmission brakes can be supplied, as standard, with C.L. , C.C. , and C.R. armature types and feature bores and keys to suit specific requirements.

SIZE	Tque Ts (Nm)	max P20 (w)	A1 (h9)	A2 (h8)	A3	A4	C4	E2 max (H7)	E4 (H8)	E5	E8	E9	G	K	N1	N2	N5	R	S1	S4	T	U1	U2	U7	U11	V	W1	W4
03	0.4	6	38.5	28	28.5	30	7.8	8	16	17	9	-	0.15	4	33.5	19.5	22	16	10.5	2.7	2.5	2.6	2.15	M3	M2	1.6	5.3	-
04	1.25	8	62.5	40	40	45	15	8	13	16	13	12	0.15	6	54	29	32.5	21	17.5	3	3	3.5	3.2	M3	M2	1.5	12.2	5.3
05	2.5	12	75	53	56	56	17	15	24	24	24	23	0.20	6.5	61	46	48	20.8	20.5	3.4	3.3	4.5	3.1	M5	M3	1.5	13.5	7.0
07	5	20	90	70	73	70	20	20	30	30	32	30	0.25	8	79.5	60	61	25.3	24.2	4.2	3.5	5.5	4.1	M5	M3	1.5	16.0	8.1
09	12	18	115	85.5	90	90	25	30	40	40	43	40	0.25	10	102	76	75	26.6	30	5.0	3.5	6.5	5.1	M5	M3	2.0	20.0	10.0
11	30	22	132	110	110	110	30	35	50	49	52	49	0.30	10	121	95	90	33.0	36.2	6.2	3.75	6.5	6.1	M6	M4	4.7	24.0	12.2

