



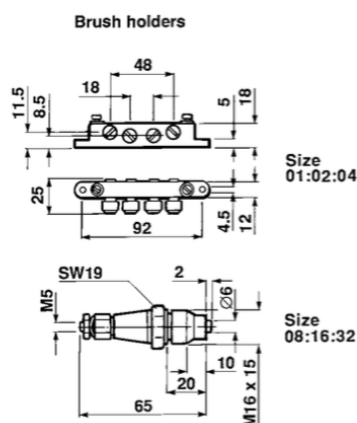
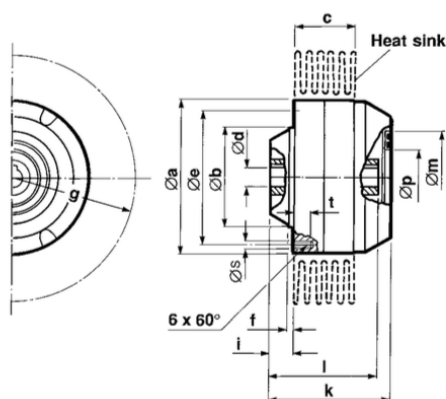
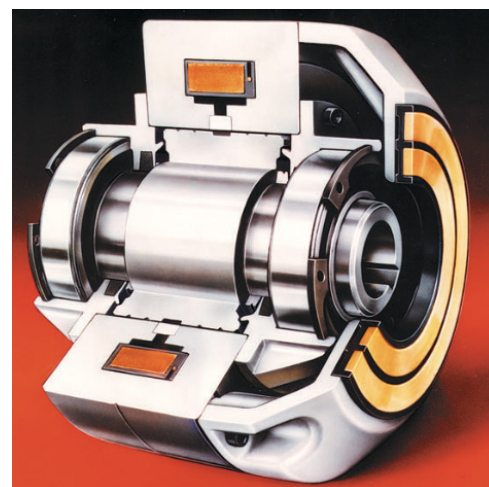
Type 14.502

Simplatroll Replacement Simplatorque Magnetic Particle Clutches

Torque is transmitted from outer hub to inner ring through special magnetisable powder which is energised by a 24V coil.

Key Features

- Torque directly proportional to applied current
- Suitable for continuous slip duties such as winders and driven pinch rolls
- Very smooth shock-free torque allows soft starts
- No maintenance and negligible wear giving long life
- Provides torque limiting protection
- Current controllers also available

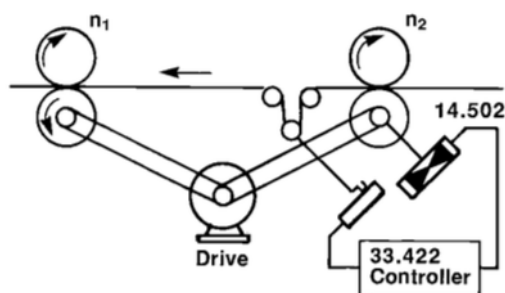


Shafts must be horizontal

Size	Rated torque Nm	Bore* dH7	Stockline No. without heat sink	Stockline No. with heat sink	a _{s7}	b ₇	c	e	g	i	k	l	m	p	s	t	Weight (kg) without heat sink	Weight (kg) with heat sink
01	10	14	B2-61 876	B2-70 849	100	70	45	90	160	20	97	85	76	44	M5	10	2.7	3.6
02	20	20	B2-19 993	B2-53 703	120	80	50	110	200	24	108	98	76	44	M6	10	4.4	5.9
04	40	24	B2-53 675	B2-70 822	150	96	60	135	250	24	119	108	76	44	M6	10	8.4	11.1
08	80	35	B2-70 814	B2-70 806	200	135	65	185	320	33.5	147	132	120	82	M8	12	16.0	20.8
16	100	42	B2-70 794	B2-70 830	250	180	70	235	400	28	140.5	126	120	82	M10	14	25.8	34.4
32	320	60	B2-63 349	B2-62 585	320	235	80	300	480	35	165	150	142	104	M10	16	40.0	62.6

* Other bores on request, keyways to BS4235

Clutches are supplied complete with brushes



Clutch driving pinch roll

Selection

All selections should be made taking care not to thermally overload the clutch, particularly on reel winding applications. The values shown below are for initial guidance only.

Size	Continuous heat dissipation W			
	without heat sink		with heat sink	
	0 r/min	1500 r/min	0 r/min	1500 r/min
01	20	140	65	380
02	30	200	90	580
04	45	280	170	840
08	75	450	220	1300
16	100	680	320	1800
32	160	1000	500	3000



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