

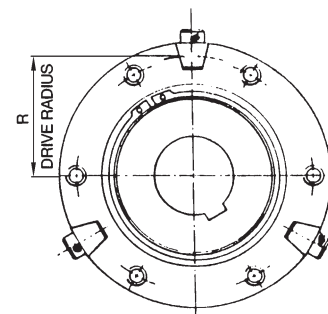
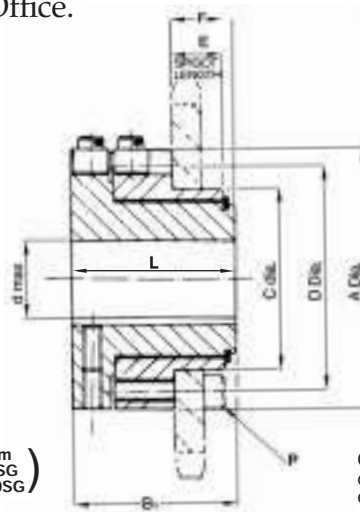
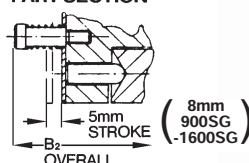
Sheargard Overload Clutches



Standard Stock Sheargard Clutches are available in five sizes providing a torque range from 27 to 13,700 Nm. Other units with torque ratings to 125,000 Nm are available to order, on short lead time. For further details contact Cross+Morse Sales Office.



OPTIONAL MONITOR PLATE PART SECTION



On sizes 1000SG to 1600SG the outer hub is retained by an end plate which extends beyond bore length.

Dimensions

Clutch Size	Wedge ⁽¹⁾ * Pins	Drive radius R	Torque Rating ⁽¹⁾ *						Bore Dia d	
			Nm	Min	lb ft	Nm	Max	lb ft	Min	Max
250SG	2 x W25	26	27		20	336		248	10	25
350SG	3 x W37	34.5	33		24	1509		1113	19	28
500SG	3 x W37	47	45		33	2028		1496	24	45
700SG	3 x W50	66.5	251		185	5580		4115	28	65
900SG	3 x W75	92	788		581	13700		10105	45	100
1000SG	4 x W100	128	3468		2558	63920		47150	45	115
1200SG	4 x W100	147	3982		3937	73400		54140	50	150
1400SG	4 x W120	160	12240		9025	100000		73750	60	180
1600SG	4 x W120	200	15300		11285	125000		92200	60	215

Clutch Size	Outside Dia. A	Length Through Bore L	Overall Length B ¹	Overall Length B ²	Spigot Dia. C	Bolt PCD D	Bolts P	Spigot Length E ⁽²⁾ *	Position Back Face F
250SG	63	36	36	-	38.90 / 38.85	50	6 x M5	11.5	15.5
350SG	85	57	57	78	49.25 / 49.20	65	6 x M6	16	21
500SG	105	72	72	93	73.08 / 73.03	92	6 x M8	25	31
700SG	148	92	92	113	104.85 / 104.80	128	6 x M10	35	40
900SG	205	130	130	156	139.85 / 139.80	175	6 x M14	54	64
1000SG	280	175	191	217	164.85 / 164.80	220	8 x M16	75 ⁽³⁾	91 ⁽³⁾
1200SG	320	200	220	246	224.85 / 224.80	260	8 x M20	100 ⁽³⁾	120 ⁽³⁾
1400SG	350	270	295	321	254.85 / 254.80	300	8 x M24	125 ⁽³⁾	150 ⁽³⁾
1600SG	425	300	325	351	304.85 / 304.80	360	12 x M24	148 ⁽³⁾	173 ⁽³⁾

*⁽¹⁾For standard Torque Ratings see table page 12.

*⁽³⁾Dimensions E & F can be adjusted to suit sprocket widths.

*⁽²⁾The drive sprocket/pulley can overhang spigot.

*⁽⁴⁾W37, W50, & W75 Brass Std, others steel.

Minimum Number of Teeth on Sprockets for Standard Roller Chains

Chain Pitch	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
Clutch Size							
250SG	27	22	18				
350SG	25	27	24	18			
500SG	30	24	21	16	18		
700SG	40	33	28	22	18	19	
900SG			38	29	22	25	22
1000SG				35	29	28	26
1200SG					36	30	29
1400SG					40	34	25
1600SG						38	29