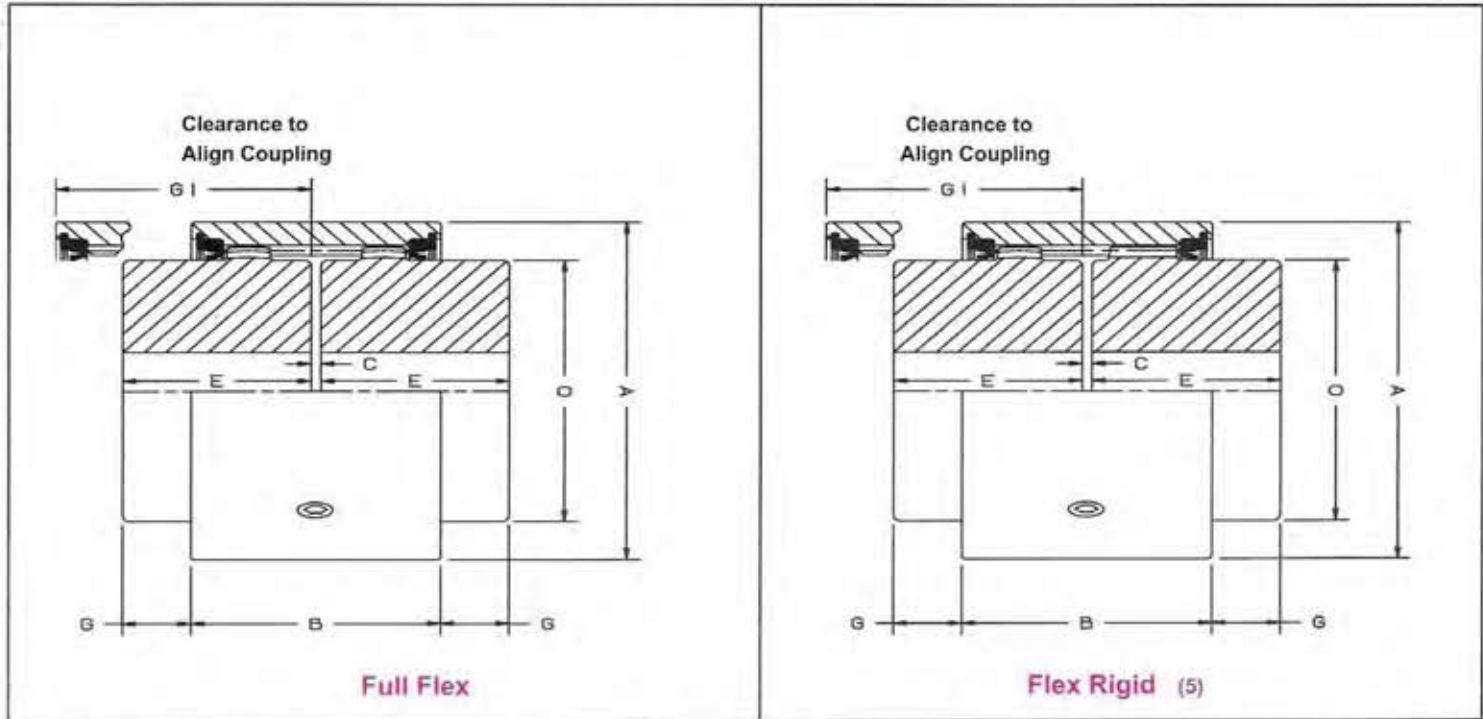


Series "S" Continuous Sleeve Type Gear Coupling.



Series S	Size	6	8	10	12	15	20	25	30	35	40	45	
Rating (HP/100 RPM)	(3)	4.5	7.0	15.5	22	31	51	90	152	240	360	530	
Torque Capacity (IN·LBS x 10 ³)		2.84	4.41	9.77	13.9	19.5	32.1	56.7	96	151	227	334	
Maximum Speed (RPM)	(1)	19000	16000	12600	11500	11000	8800	7500	6600	5800	4900	4400	
Flex or Rigid Hub	Maximum Bore	1.06	1.31	1.63	1.94	2.13	2.75	3.25	3.75	4.25	5.00	5.50	
	Standard Keyway	1/4 x 1/8	5/16 x 5/32	3/8 x 3/16	1/2 x 1/4	1/2 x 1/4	5/8 x 5/16	3/4 x 3/8	7/8 x 7/16	1 x 1/2	1-1/4 x 5/8	1-1/4 x 3/8	
Flex or Rigid Hub	Maximum Bore	1.13	1.38	1.75	2.06	2.31	2.88	3.38	3.88	4.50	5.25	5.75	
	Reduced Depth Keyway	1/4 x 3/32	5/16 x 1/8	3/8 x 1/8	1/2 x 3/16	5/8 x 3/16	3/4 x 3/16	7/8 x 5/16	1 x 3/8	1 x 3/8	1-1/4 x 7/16	1-1/2 x 1/2	
Parallel Offset Capacity		.009	.009	.015	.015	.039	.045	.057	.065	.078	.082	.094	
A		2.38	2.81	3.44	3.94	4.13	5.13	6.03	6.84	7.88	9.13	10.41	
B		1.41	1.41	1.84	1.84	2.78	3.23	3.88	4.53	5.41	5.59	6.66	
C		.09	.09	.09	.09	.13	.13	.19	.19	.25	.25	.31	
E		1.19	1.41	1.56	1.78	1.94	2.44	3.03	3.59	4.19	4.75	5.31	
G		.53	.75	.69	.91	.61	.89	1.19	1.42	1.61	2.08	2.14	
G1		1.50	1.50	1.88	1.94	2.91	3.31	4.06	4.72	5.66	5.84	6.97	
O		1.56	1.97	2.38	2.78	3.05	3.97	4.66	5.19	5.91	7.09	7.88	
Rough Stock Bore		-	-	-	-	-	-	-	-	-	2.09	2.25	
Weight Solid Hubs (LBS)		(2)	2.0	3.3	6.1	8.7	11.5	21.5	38	57	90	137	196
Grease (4)	Weight (LB-OZ.)	0-.09	0-.31	0-.34	0-.38	0-.88	0-1.63	0-2.81	0-4.63	0-6.44	0-9.5	1-3	
	Volume (Pints)	.006	.019	.020	.022	.063	.13	.19	.31	.41	.56	1.03	

Notes:

- (1) Maximum speed without dynamic balancing 60% of values shown.
- (2) Weights are for full flex or flex rigid couplings. Weights are approximate.
- (3) Load ratings / torque capacities are based on full 1° misalignment per gear mesh. Selection service factors are required. See Data Sheet DS110.
- (4) Lubrication values are for full flex or flex rigid couplings. Maximum angular misalignment 1 1/2° per gear mesh. For optimum performance, combined angular and offset misalignment should not exceed 3/4° per gear mesh. Application requirements in excess of 3/4° misalignment per flex half coupling should be referred to SCI.
- (5) Flex rigid configuration should be purchased as an assembly from SCI to ensure proper fit.
- (6) Larger sizes available upon request.