

When SuperCylinders are used in tandem, or in multiple arrangements, flexible couplings, and shafting (see page 38) are required to transmit power.



Jaw Type Couplings

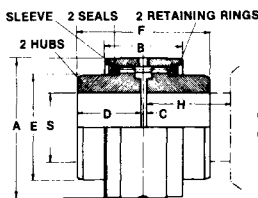
- No need for lubrication.
- Are smaller and lighter than other equally rated couplings.
- Are recommended for use with actuators through 3-ton capacity.

Full-Flex and Flex-Rigid Gear Couplings

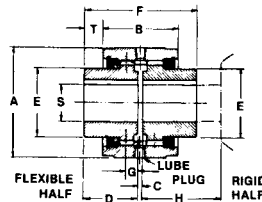
- Give great strength under load due to compact design and construction.
- Allow for incremental system adjustment.

Ordering the Right Couplings

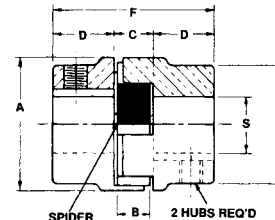
- Flexible couplings are made up of three components which must be ordered separately. Select two hubs each with a bore and keyway to match the shafts being coupled and a sleeve kit (for gear-type couplings) or a spider (for jaw-type couplings). The bores in the coupling hubs are sized to give a slip fit on actuator worm shafts.
- Determine required coupling torque with the following formula:
Torque Requirement per Actuator X Number of Actuators to Be Driven by the Coupling.
Refer to gear coupling specs chart, below.
- Verify the required coupling torque. Make sure it's not greater than the maximum rating in the accompanying coupling tables.
- Full-flex gear couplings are recommended for close coupled arrangements.
- Flex-rigid gear couplings are recommended for floating shaft arrangements with the rigid hub mounted to the floating shaft.
- For maximum performance, the actuators, shafts, gear boxes and motor should be carefully aligned.



Gear Coupling



Flex-Rigid Coupling



Gear Coupling Specifications

"S"HT Bore	Torque Rating (In.-Lbs.)	Flex Hub Part No.	Rigid Hub Part No.	Sleeve** Kit Part No.	A	B	C	D	E	F	H	Keyway	Wt. Lbs.*	WR ² Lbs. In. ² Solid Core	Misalignment (Max)	
															Parallel	Angular
0.751	6.300	SK-2405-H	SK-2404-H	SK-2405-S	3 5/16	2	1/8	1 1/2	2	3 1/8	2 1/8	3/16 x 3/32	5	6	+	1/2°
1.001	6.300	SK-2410-H	SK-2409-H	SK-2405-S	3 5/16	2	1/8	1 1/2	2	3 1/8	2 1/8	1/4 x 1/8	5	6	+	1/2°
1.376	18.900	SK-2425-H	SK-2424-H	SK-2425-S	3 3/4	2 17/32	1/8	1 13/16	2 3/8	3 3/4	2 21/32	5/16 x 5/32	8	13	+	1/2°
1.501	18.900	SK-2450-H	SK-2449-H	SK-2425-S	3 3/4	2 17/32	1/8	1 13/16	2 3/8	3 3/4	2 21/32	3/8 x 3/16	8	13	+	1/2°
1.751	50.000	SK-2499-H	SK-2498-H	SK-2499-S	4 3/4	2 9/16	1/8	2 1/16	3 1/4	4 1/4	2 11/16	1/2 x 1/4	13	33	+	1/2°

*Includes sleeve kit and two hubs. **Kit includes sleeve, 2 seals, 2 retaining rings and 2 lube hole plugs

***Tolerance for all bores is +.001 and -.000, +.005 Flex, .000 Rigid

Jaw Type Coupling Specifications

"S" ** Bore	Torque Rating (In.-Lbs.)	Hub Part No.	Spider Part No.	A	B	C	D	E	F	Keyway	Wt. Lbs.*	WR ² Lbs. In. ² Solid Core	Misalignment (Max)	
													Parallel	Angular
.501	250	SK-2402J-H1	SK-2402-JS	1 3/4	15/32	1/2	13/16	1 3/4	2 1/8	1/8 x 1/16	1	.386	.015	1/2°
.626	250	SK-2402J-H2	SK-2402-JS	1 3/4	15/32	1/2	13/16	1 3/4	2 1/8	3/16 x 3/32	1	.386	.015	1/2°

*Weights includes spider and two hubs. **Tolerance for all bores is +.001 and .000