

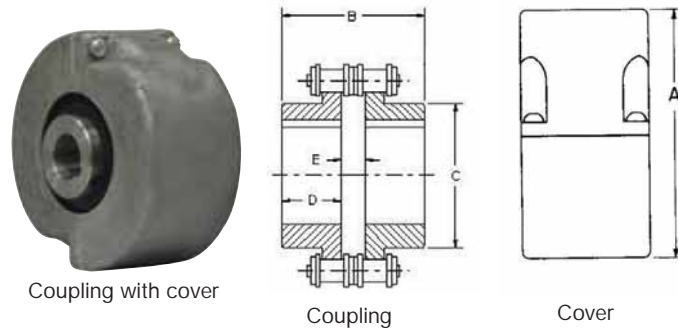
Duff-Norton provides three coupling types which have been tailored to specific screw and nut system requirements:



## Features

### Chain Coupling:

- Integrate well with Duff-Norton mid and larger diameter screw and nut systems
- High torque capacities
- Standard ANSI dimensions, straight bore diameters
- Common bore diameters readily available
- Special bore diameters may be custom ordered
- Long service lives
- Easy fit onto the screw's end
- Allows for incremental system adjustments



Coupling with cover

Coupling

Cover

## Chain Coupling Specifications

Part #	Standard Bore***	Maximum Bore	Key Broach Dimensions	A*	B	C	D	E	Coupling Torque	Misalignment (Max) Parallel	Misalignment (Max) Angular
CP03-500500	.500"	.875"	.125" x .63"	4.00"	2.53"	1.41"	1.13"	.28"	1354	.015	1/2 deg.
CP03-625625	.625"	.875"	.125" x .63"	4.00"	2.53"	1.41"	1.13"	.28"	1354	.015	1/2 deg.
CP05-750750	.750"	.875"	.1875" x .093"	4.00"	2.53"	1.41"	1.13"	.28"	1354	.015	1/2 deg.
CP20-10001000	1.000"	1.687"	.25" x .125"	5.13"	3.25"	2.50"	1.44"	.38"	4614	.015	1/2 deg.
CP35-13751375	1.375"	2.000"	.313" x .156"	5.13"	3.75"	2.97"	1.69"	.38"	5969	.015	1/2 deg.
CP50-15001500	1.500"	2.437"	.375" x .1875"	6.38"	4.23"	3.50"	1.88"	.47"	10899	.015	1/2 deg.

\*Includes two hubs, four rubber gaskets, chain, and cover

\*\*\*Tolerance for all bores is +.001/-0.000

NOTE: Duff-Norton recommends using the cover assembly with the chain coupling

## Coupling Selection Guide:

1. Flexible couplings are made up of components. Two hubs each with a bore and keyway to match the shafts being coupled and a chain cover (for chain couplings) or a sleeve kit (for gear-type couplings) or a spider (for jaw-type couplings). The bores in the coupling hubs are sized to give an easy fit on screw's end.

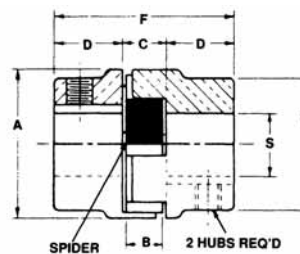
2. Determine required coupling torque with this formula:  
**Torque Requirement per Screw System X Number of Screws to Be Driven by the Coupling**

3. Verify the required coupling torque. Make sure it's not greater than the maximum rating in the accompanying coupling tables.
4. Chain or full-flex gear couplings are recommended for close coupled arrangements.
5. Chain or flex-rigid gear couplings are recommended for floating shaft arrangements with the rigid hub (if selected) mounted to the floating shaft.
6. For maximum performance, the screws, shafts, gear boxes and motor should be carefully aligned.

## Features

### Jaw Coupling:

- Integrate well with Duff-Norton smaller diameter screw and nut systems
- Do not require lubrication
- Our Hytrel® spiders provide 2 times the torque capability vs. a standard urethane or BUNA® spider
- Easy fit onto the screw's end
- Other sizes for our standard journal ends are available



## Jaw Coupling Specifications

Part # Hub#	Spider #	Standard Bore***	Maximum Bore	Key Broach Dimensions	A*	B	C	D	E	F	Coupling Torque	Misalignment (Max) Parallel	Angular
SK2555H2	SK2555-29S	.375"	.875"	None	1 5/64	7/16	15/32	5/8	1 5/64	1 23/32	50	.015	1/2 deg.
SK2402J-H1	SK2402-JS	.501	1.687"	.125" x .63"	1 3/4	15/32	1/2	13/16	1 3/4	2 1/8	250	.015	1/2 deg.
SK2402J-H2	SK2402-JS	.626"	1.687"	.1875" x .0938"	1 3/4	15/32	1/2	13/16	1 3/4	2 1/8	250	.015	1/2 deg.

\*Includes two hubs, and Hytrel spider

\*\*Based on screw's dynamic torque requirements

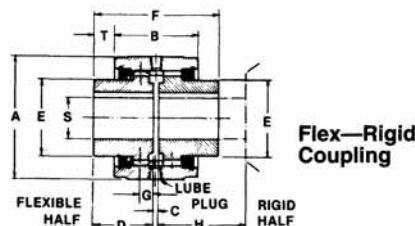
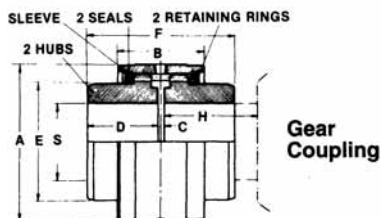
\*\*\*Tolerance for all bores is +.001/- .000



## Features

### Full-Flex and Flex-Rigid Gear Couplings:

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



## Gear Coupling Performance Specifications

Sleeve Kit	Part # Flex Hub	Rigid Hub	Standard Bore***	Key Broach Dimensions	A*	B	C	D	E	F	H	Coupling Torque	Misalignment (Max) Parallel	Angular
SK2405S	SK2405H	SK2404H	.0751	.1875" x .0938"	3 5/16	2	1/8	1 1/2	2	3 1/8	2 1/8	6300	+	1/2 deg.
SK2410S	SK2410H	SK2409H	1.001	.25" x .125"	3 5/16	2	1/8	1 1/2	2	3 1/8	2 1/8	6300	+	1/2 deg.
SK2425S	SK2425H	SK2424H	1.376	.313" x .156"	3 3/4	2 17/32	1/8	1 13/16	2 3/8	3 3/4	2 21/32	18900	+	1/2 deg.
SK2450S	SK2450H	SK2449H	1.501	.375" x .1875"	3 3/4	2 17/32	1/8	1 13/16	2 3/8	3 3/4	2 21/32	18900	+	1/2 deg.
SK2499S	SK2499H	SK2498H	1.751	.50" x .25"	4 3/4	2 9/16	1/8	2 1/16	3 1/4	4 1/4	2 11/16	50000	+	1/2 deg.

\*Includes two hubs, gaskets, and sleeve

\*\*Based on screw's dynamic torque requirements

\*\*\*Tolerance for all bores is +.001/- .000