

Coupling Selector

Sure-Flex®
Dura-Flex® &
L-Jaw



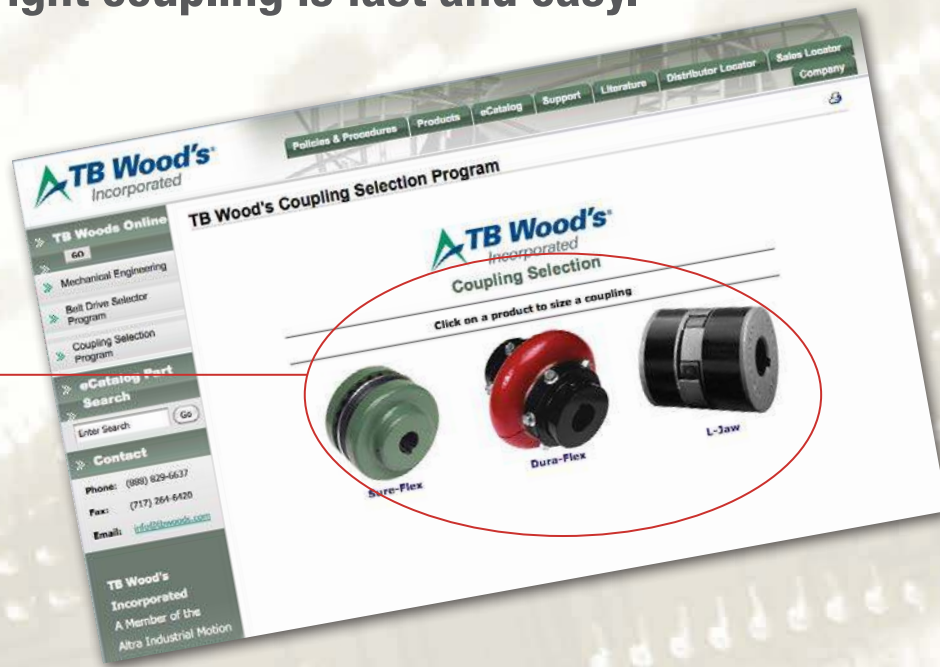
TB Wood's
Incorporated

An Altra Industrial Motion Company

Applications involving machinery that torsionally excite the coupling must be analyzed to be certain torsional critical speeds are avoided.
TB WOODS INCORPORATED IS NOT LIABLE FOR USE OF ITS PRODUCTS IN APPLICATIONS OTHER THAN THOSE FOR WHICH THEY ARE DESIGNED.

www.tbwoods.com/coupling-selector.asp

Selecting the right coupling is fast and easy.



Coupling Selection

The coupling selection program can be used for Sure-Flex®, Dura-Flex® and L-Jaw products by selecting the proper icon.

Required Specifications

Select sleeve or hubs type for a specific application or select all for many options.

Application Data

Input data specific to the application for selecting the correct size coupling.

Select Coupling

Once data is entered, the coupling can be selected.

Sure-Flex Coupling Selection

[Instructions and Contact Info](#)

Required Specifications

- | | | |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> EPDM Sleeve Type
General purpose
Temp Range -30 to +275 F | <input type="checkbox"/> NEOPRENE Sleeve
Oil resistance, Non-flame
Temp Range -0 to +200 F | <input checked="" type="checkbox"/> HYTREL Sleeve
High-torque rating
Temp Range -65 to +250 F |
| <input checked="" type="checkbox"/> Solid Sleeve Design | <input checked="" type="checkbox"/> Split Sleeve Design | <input checked="" type="checkbox"/> 2-Piece Sleeve Design |
| <input checked="" type="checkbox"/> S or J Type Steel Hub | <input checked="" type="checkbox"/> B Type Bushed Hub | <input checked="" type="checkbox"/> C Type Clamp Hub |

Power: English (HP, in-lbs) Metric (kW, Nm)
 Speed: rpm
 Torque: in-lbs - Leave power blank to enter torque manually.

Driver End Equipment Type:
 Driver End Nominal Shaft Diameter: in mm
 Driven End Equipment Type:
 Driven End Nominal Shaft Diameter: in mm
 Application Service Factor:

Special Requirements as Needed

Maximum Outside Diameter: in mm
 Maximum Overall Length: in mm
 Distance Between Shaft Ends: in mm

Customer Name: Quote Number:

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Instructions & Contact Info

For more information on using the program, click the instruction link.

Change Product

Input data specific to the application for selecting the correct size coupling.

Start Over

Information can be erased and started.

Modify Entered Data

Selected Couplings

Several recommended coupling selections will be given for the specifications provided. Select one for further review.

Item & Description

A general description, part number and weight of each item can be found in the bill of material.

Click here for more "Grouped" Recommended Selections

Option of Hiding List Prices

Coupling Drawing

A general assembly drawing will be supplied for the coupling selected.

Entered Specifications
 December 6, 2012, 10:36 am

EPDM Sleeve Type
 General purpose
 Temp Range -30 to +275 F

Solid Sleeve Design
 3 and J Type Steel Hubs

Split Sleeve Design
 B Type Bushed Hubs

2-Piece Sleeve Design
 C Type Clamp Hubs

Power (Horsepower): 10
 Speed (rpm): 3,600
 Torque (in-lbs): 175

Driver End Shaft Type: AC MOTOR NEMA A or B
 Driver End Nominal Shaft Dia. (in): 1.375
 Driven End Equipment Type: PUMPS - Centrifugal
 Driven End Nominal Shaft Dia. (in): 1.250
 Application Service Factor: 1.25
 Selection Torque (in-lbs): 219

Special Requirements
 Maximum Outside Dia. (in): N/A
 Maximum Overall Length (in): N/A
 Distance Between Shaft Ends (in): N/A

Customer Name: _____ Quote Number: _____

Recommended Couplings
 (There were 38 couplings found that meet your specifications.)
 Showing couplings 1 to 10 sorted by list price. 1-10, 11-20, 21-30, 31-36

Size Sleeve	Driver Flange	Driven Flange	OD in (mm)	Rated Torque in-lbs (Nm)	Actual Service Factor	Max Speed rpm	DBSE in (mm)	OAL in (mm)	Weight lbs (kg)	List Price
6JIE 1pc	6J138	6J114	4.00 (101.6)	450 (51)	2.57	6,000	.125-1.114 (3.18-28.30)	3.35 (84.1)	2.7	\$124.00
6JIE split	6J138	6J114	4.00 (101.6)	450 (51)	2.57	6,000	.125-1.114 (3.18-28.30)	3.35 (84.1)	2.7	
6JIE 1pc	6S138	6J114	4.00 (101.6)	450 (51)	2.57	6,000	.125-1.114 (3.18-28.30)	3.35 (84.1)	2.7	
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6JIE 1pc	6S138	6S114	4.00 (101.6)	450 (51)	2.57	6,000	.125-1.114 (3.18-28.30)	3.35 (84.1)	2.7	

Duraflex Coupling Size WE3
 November 27, 2012, 10:55 am

Customer Name: _____
 Quote Number: _____

DRIVER END (HUB OUT)
DRIVEN END (HUB OUT)

OD in (mm)	OAL in (mm)	G in (mm)	DBSE in (mm)	Nominal Bore Dia. in (mm)	Bore Length(L) in (mm)	To Remove Sleeve(O) in (mm)
4.00 (101.6)	3.35 (84.1)	0.875 (22.23)	1.25 (31.75)	1.114 (28.29)	1.250 (31.75)	1.09 (27.7)

ITEM	DESCRIPTION	PART NUMBER	WEIGHT lbs (kg)	LIST PRICE
1	COUPLING ASSEMBLY		2.67 (1.21)	\$134.00
2	SJ EPDM SLEEVE (1 Piece)	SJ	.40 (0.18)	\$40.00
3	TYPE J FLANGE	6J138	1.09 (0.49)	\$42.00
3	TYPE J FLANGE	6S114	1.18 (0.53)	\$42.00

Operating Torque in-lbs (Nm)	Rated Torque in-lbs (Nm)	Design Service Factor	Actual Service Factor	Power HP (Kw)	Operating Speed rpm	Rated Speed rpm	Static Torsional Stiffness in-lb/in	Maximum Misalignment Ang. Gap in (mm)	Par. Offset in (mm)
175 (20)	365 (41)	1.25	2.09	10.0 (7.5)	3,600	6,000	1,718	.070 (1.78)	.015 (0.38)

Sureflex Coupling Size 6
 November 27, 2012, 10:52 am

Customer Name: _____
 Quote Number: _____

DRIVER END TYPE "J" FLANGE
DRIVEN END TYPE "J" FLANGE

OD in (mm)	OAL in (mm)	G in (mm)	DBSE in (mm)	Nominal Bore Dia. in (mm)	Bore Length(L) in (mm)	To Remove Sleeve(O) in (mm)
4.00 (101.6)	3.35 (84.1)	0.875 (22.23)	1.25 (31.75)	1.114 (28.29)	1.250 (31.75)	1.09 (27.7)

ITEM	DESCRIPTION	PART NUMBER	WEIGHT lbs (kg)	LIST PRICE
1	COUPLING ASSEMBLY		2.67 (1.21)	\$134.00
2	SJ EPDM SLEEVE (1 Piece)	SJ	.40 (0.18)	\$40.00
3	TYPE J FLANGE	6J138	1.09 (0.49)	\$42.00
3	TYPE J FLANGE	6S114	1.18 (0.53)	\$42.00

Operating Torque in-lbs (Nm)	Rated Torque in-lbs (Nm)	Design Service Factor	Actual Service Factor	Power HP (Kw)	Operating Speed rpm	Rated Speed rpm	Static Torsional Stiffness in-lb/in	Maximum Misalignment Ang. Gap in (mm)	Par. Offset in (mm)
175 (20)	365 (41)	1.25	2.57	10.5 (7.5)	3,600	6,000	1,718	.070 (1.78)	.015 (0.38)

Part Number

By selecting a part number, you will be taken to the e-catalog for that specific part for downloading specifications or CAD drawings.

DBSE or OAL Selection

By clicking on the DBSE or OAL selections for the Dura-Flex® general assembly drawing, you can change the view of your drawing to show the hub positioned with the hub facing in or out.

Electromagnetic Clutches and Brakes

Warner Electric

Electromagnetic Clutches and Brakes

New Hartford, CT - USA
1-800-825-6544

For application assistance:
1-800-825-9050

Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Precision Electric Coils and Electromagnetic Clutches and Brakes

Columbia City, IN - USA
1-260-244-6183

Matrix International

Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes

Brechin, Scotland
+44 (0) 1356 602000

New Hartford, CT - USA
1-800-825-6544

Inertia Dynamics

Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes

New Hartford, CT - USA
1-800-800-6445

Linear Products

Warner Linear

Linear Actuators

Belvidere, IL - USA
1-800-825-6544

For application assistance:
1-800-825-9050

Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Couplings

Ameridrives Couplings

Mill Spindles, Ameriflex, Ameridisc

Erie, PA - USA
1-814-480-5000

Gear Couplings

San Marcos, TX - USA
1-800-458-0887

Bibby Turboflex

Disc, Gear, Grid Couplings, Overload Clutches

Dewsbury, England
+44 (0) 1924 460801

Boksburg, South Africa
+27(0) 11 918 4270

TB Wood's

Elastomeric Couplings

Chambersburg, PA - USA
1-888-829-6637 – Press #5

For application assistance:
1-888-829-6637 – Press #7

General Purpose Disc Couplings

San Marcos, TX - USA
1-888-449-9439

Ameridrives Power Transmission

Universal Joints, Drive Shafts, Mill Gear Couplings

Green Bay, WI - USA
1-920-593-2444

Huco Dynatork

Precision Couplings and Air Motors

Hertford, England
+44 (0) 1992 501900

Chambersburg, PA - USA
1-888-829-6637

Lamiflex Couplings

Flexible Couplings, Bearing Isolators, and Coupling Guards

São Paulo, SP - Brasil
+55 (11) 5679-6533

Heavy Duty Clutches and Brakes

Wichita Clutch

Pneumatic Clutches and Brakes

Wichita Falls, TX - USA
1-800-964-3262

Bedford, England
+44 (0) 1234 350311

Twiflex Limited

Caliper Brakes and Thrusters

Twickenham, England
+44 (0) 20 8894 1161

Industrial Clutch

Pneumatic and Oil Immersed Clutches and Brakes

Waukesha, WI - USA
1-262-547-3357

Svendborg Brakes

Industrial Brakes and Brake Systems

Vejstrup, Denmark
+45 63 255 255

Gearing

Boston Gear

Enclosed and Open Gearing, Electrical and Mechanical P.T. Components

Charlotte, NC - USA
1-800-825-6544

For application assistance:
1-800-816-5608

Bauer Gear Motor

Geared Motors

Esslingen, Germany
+49 (711) 3518-0

Somerset, NJ - USA
1-732-469-8770

Nuttall Gear and Delroyd Worm Gear

Worm Gear and Helical Speed Reducers

Niagara Falls, NY - USA
1-716-298-4100

Overrunning Clutches

Formsprag Clutch

Overrunning Clutches and Holdbacks

Warren, MI - USA
1-800-348-0881 – Press #1

For application assistance:
1-800-348-0881 – Press #2

Marland Clutch

Roller Ramp and Sprag Type Overrunning Clutches and Backstops

South Beloit, IL - USA
1-800-216-3515

Stieber Clutch

Overrunning Clutches and Holdbacks

Heidelberg, Germany
+49 (0) 6221-30470

Belted Drives and Sheaves

TB Wood's

Belted Drives

Chambersburg, PA - USA
1-888-829-6637 – Press #5

For application assistance:
1-888-829-6637 – Press #7

Engineered Bearing Assemblies

Kilian Manufacturing

Engineered Bearing Assemblies

Syracuse, NY - USA
1-315-432-0700

For information concerning our sales offices in Asia Pacific check our website www.altramotion.com.cn



An Altra Industrial Motion Company

www.tbwoods.com

440 North Fifth Avenue
Chambersburg, PA 17201 - USA
888-829-6637 • 717-264-7161
Fax: 717-264-6420