

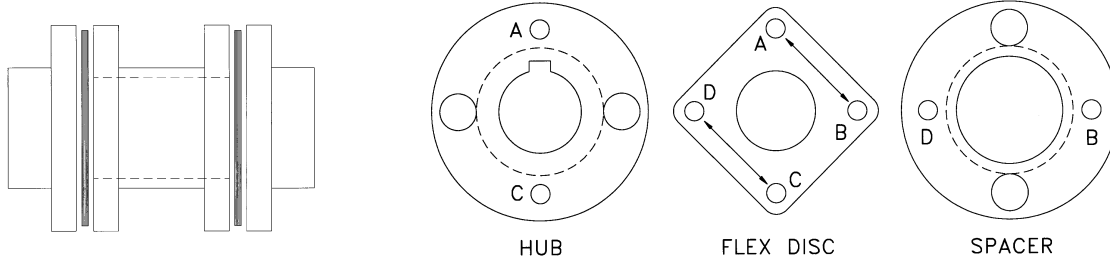


FORM-FLEX METAL DISC FLEXIBLE COUPLINGS



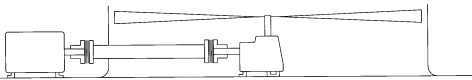
Form-Flex couplings transmit torque while compensating for angular, parallel and axial misalignment between two connected shafts. Flexible disc couplings minimize the misalignment forces on the connected equipment.

The Basic flex coupling consists of two hubs, a spacer and two flexible discs. The flex disc is an assembly of thin metal laminations. In figure shown below, flex disc holes A & C are bolted to the hub and holes B & D are bolted to the spacer. Torque is transmitted in direct tensions from A to B and from C to D through the flex disc. Misalignment is taken through bending in the link between the bolt holes.

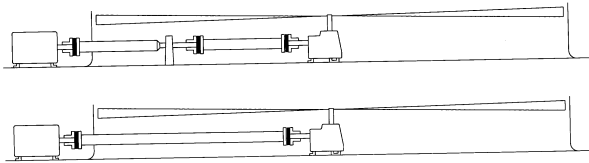


COOLING TOWER DRIVES

Form-Flex metal disc couplings are widely used in cooling fan drive applications. Form-Flex 4 bolt disc couplings offer more misalignment capacity than any competing metal disc design.

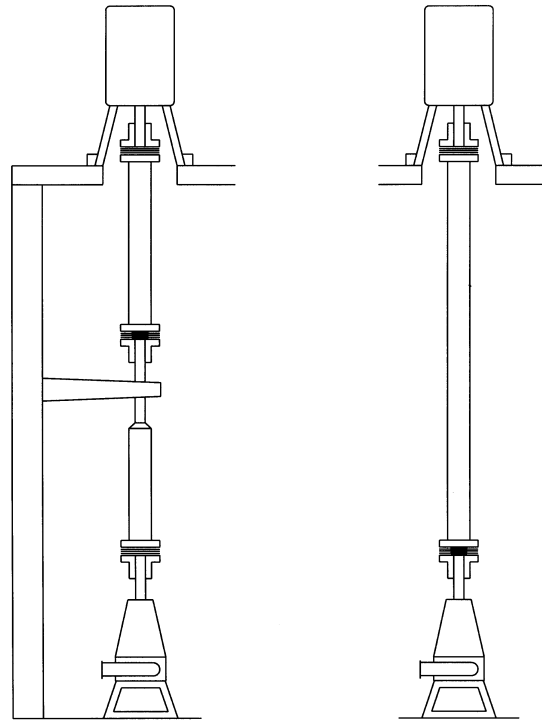


For smaller towers up to about 100 inches DBSE, TB Wood's offers steel and composite spacer tubing options. TrueTube composite torque tubes are lighter than steel and eliminate thermal growth and vibration problems.



Form-Flex composite floating shaft couplings are recommended as a replacement for older multi-section drivelines. Composite couplings can span up to 240 inches without high maintenance center support bearings.

VERTICAL PUMP DRIVES



Form-Flex floating shaft couplings are a cost-effective, maintenance free alternative to cardan U-joints for vertical pump drivelines. Form-Flex couplings are available with either steel or composite spacer tubing. Composite spacer tubing can reduce total cost by eliminating the need for bearings and support structures.



FORM-FLEX METAL DISC FLEXIBLE COUPLINGS



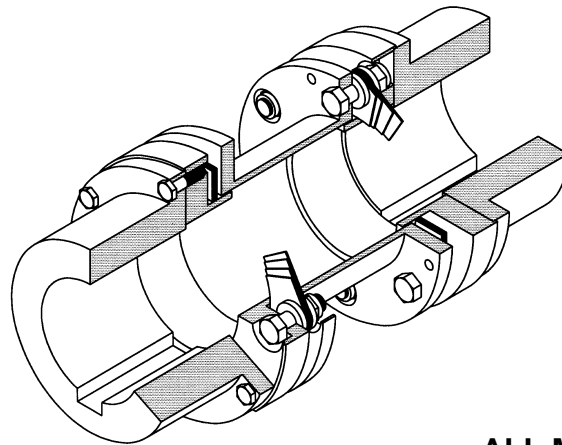
COMPLETE PRODUCT OFFERING

- TORQUE CAPACITY TO 3175 HP/100 RPM
- CLOSE COUPLE, SPACER AND FLOATING SHAFT DESIGNS

HIGH STRENGTH STEEL FASTENERS

- NO MOVING PARTS
- ZERO BACKLASH

OVER 30 YEARS EXPERIENCE IN METAL DISC COUPLINGS



HIGH STRENGTH STAINLESS STEEL FLEX DISCS

- HIGH TORSIONAL STIFFNESS
- NO LUBRICATION REQUIRED

APPLICATIONS

- PUMPS
- COMPRESSORS
- PRINTING

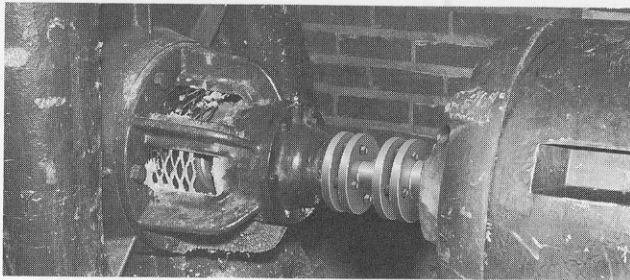
- FANS AND BLOWERS
- FOOD PROCESSING
- MACHINE TOOLS

ALL METAL CONSTRUCTION

- WIDE TEMPERATURE RANGE
- AVAILABLE IN CARBON OR STAINLESS STEEL
- COMPOSITE MATERIALS NOW AVAILABLE

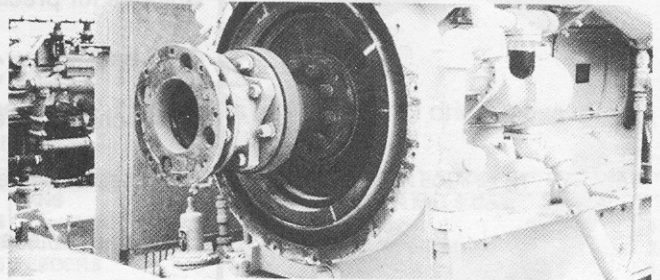
TYPICAL APPLICATIONS

PUMPS



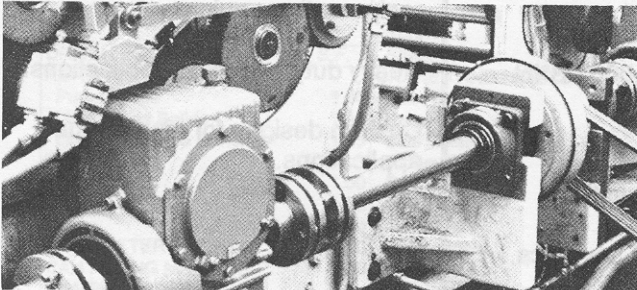
FORMFLEX spacer and close couple designs are ideally suited for all types of pump applications

ENGINE DRIVEN EQUIPMENT



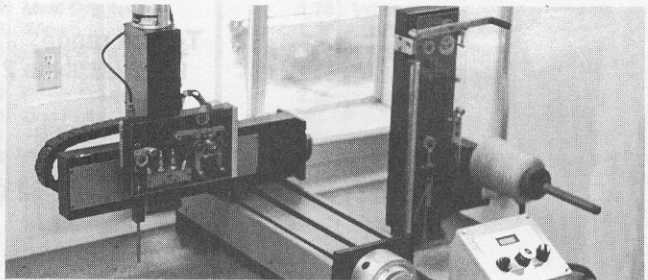
FORMFLEX heavy duty FSH series couplings are commonly used to drive reciprocating compressors and other engine driven equipment

PRINTING



FORMFLEX couplings' high torsional stiffness allows precise registration for high quality printing lineshaft applications

POSITIONING SYSTEMS

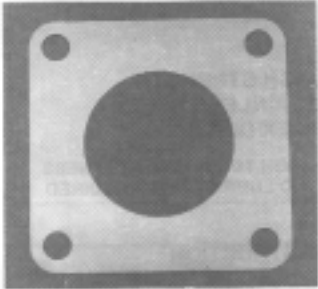
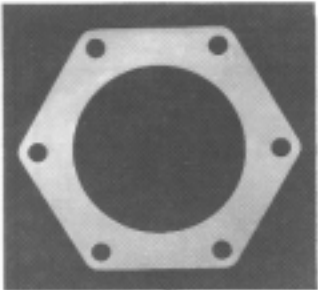
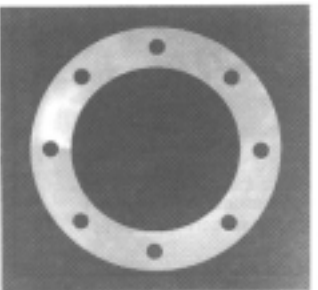


Zero backlash and high torsional stiffness make FORMFLEX the first choice for servo and stepper drives



Form-Flex Flex Disc Designs



DISC STYLE	DESIGN FEATURES	WHERE USED
4 BOLT (A, M SERIES) 	Straight sided flex disc. 1 degree angular misalignment. Torque range: 35 LB. IN. to 30,240 LB. IN. Zero backlash. All machined steel construction. Stainless steel flex discs. Steel or stainless steel materials. Minimum reaction forces.	Ideal for general industrial applications with motor or turbine drivers and smooth to moderate load conditions. Low to moderate speed ranges. Serve or stepper driven positioning systems. Applications where misalignment may be a problem. 4 bolt designs offer the highest misalignment capacity of any metal disc design. Not recommended for engine driven applications.
6 BOLT (B SERIES) 	Straight sided disc. 0.7 degree angular misalignment. Torque range: 3050 LB. IN. to 233,000 LB. IN. Suitable for precision balancing. Zero backlash. All machined steel construction. Stainless steel flex discs. Steel or stainless steel materials.	Ideal for motor or turbine drivers with any load conditions. Use for reversing, reciprocating or other rough load conditions. May be used with industrial engines driving smooth loads. Moderate to high speed ranges and applications where dynamic balancing is required. Consider 6 bolt where 4 bolt size requires increasing coupling size to meet bore size requirements.
8 BOLT (D, F, H SERIES) 	Round disc design. 0.3 degree angular misalignment. Torque range: 9500 LB. IN. to 2,000,000 LB. IN. Zero backlash. Heavy duty cast construction. Alloy or stainless steel flex discs. Flywheel mount designs.	High torque-low speed applications. Industrial engines driving reciprocating equipment. Heavy-duty reversing applications. Custom designs for high torque applications.

MATERIAL CLASSES

APPLIES TO 4 AND 6 BOLT DESIGNS

MATERIAL CLASS BY COMPONENT				DESCRIPTION
COUPLING	HUB	SPACER ASSY	REPAIR KIT	
A	A	A	A	Mild steel hubs and spacer, alloy steel hardware, 300 series SS flex disc
B	B	B	A	Zinc plated steel hubs and spacer, alloy steel hardware, 300 series SS flex disc
C	B	C	E	Zinc plated steel hubs and spacer, 300 series SS flex disc and hardware
E	E	E	E	All 300 series stainless steel construction

PRODUCT FEATURES AND OPTIONS

FEATURE	AR, AK, AP AX, AY	BH, BP, BY DP*	BF	BA, DA*	A5, A7	B5	HFTH	HH, HSH, FSH
STANDARD BORE FIT	CLEARANCE	INTERFERENCE			CLEARANCE	INTERFERENCE		
SET SCREWS	STANDARD	OPTIONAL			STANDARD	OPTIONAL		
PULLER HOLES	OPTIONAL	STANDARD			OPTIONAL	STANDARD	OPTIONAL	
STANDARD FLEX DISCS	300 SERIES STAINLESS STEEL*						ALLOY STEEL	
BALANCE CLASS	AGMA 7	AGMA 8	AGMA 9	AGMA 7	N/A			N/A
DYNAMIC BALANCE	OPTIONAL				PER TBW COMMERCIAL STANDARD			N/A

*Alloy steel flex disc is standard for DA and DP series. Stainless steel is optional.