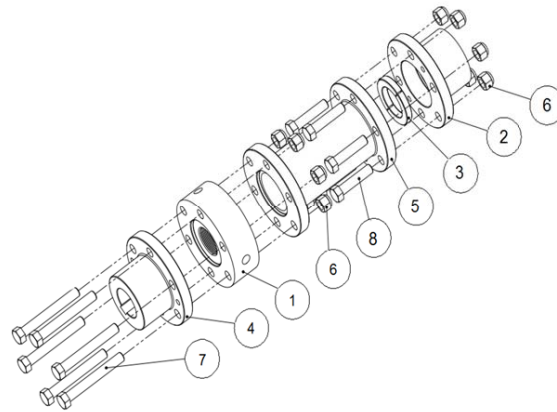
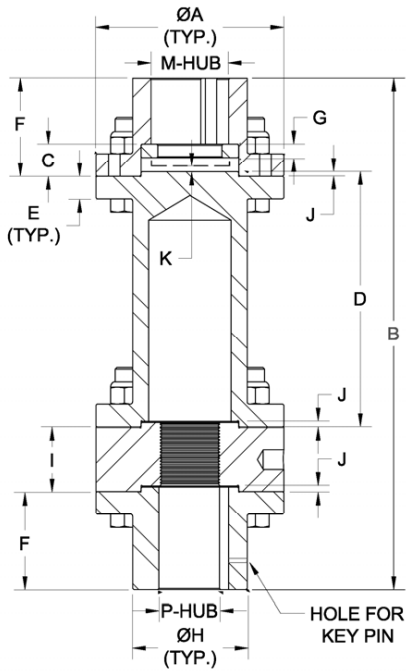


AVS Series Rigid Couplings

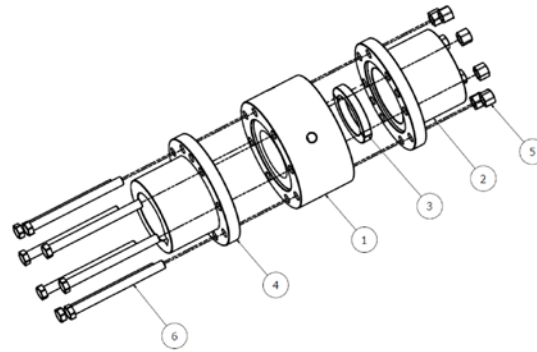
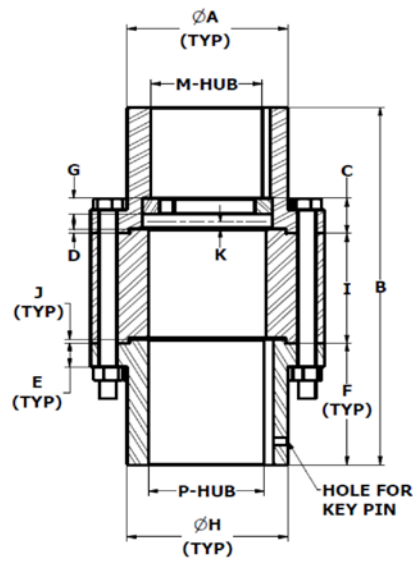
Installation Instructions

P-5030-TBW





ITEM	DESCRIPTION
1	Adjusting Nut (2)
2	Motor Hub
3	Split Ring
4	Pump Hub
5	Spacer
6	All Steel Lock Nut
7	Pump End Bolt
8	Motor End Bolt



ITEM	DESCRIPTION
1	Adjusting Nut (2)
2	Motor Hub
3	Split Ring
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5	All Steel Lock Nut
6	Pump End Bolt

LINESHAFT DIAMETER	HEADSHAFT NUT THREAD/INCH	INCHES PER FULL TURN OF ADJ. NUT
1.00"	14 TPI - RH/LH	.071
1.25"	12 TPI - RH/LH	.083
1.50"	12 TPI - RH/LH	.083
1.6875"	10 TPI - RH/LH	.100
1.9375"	12 TPI - RH/LH	.083
2.25"	12 TPI - RH/LH	.083
2.4375"	12 TPI - RH/LH	.083

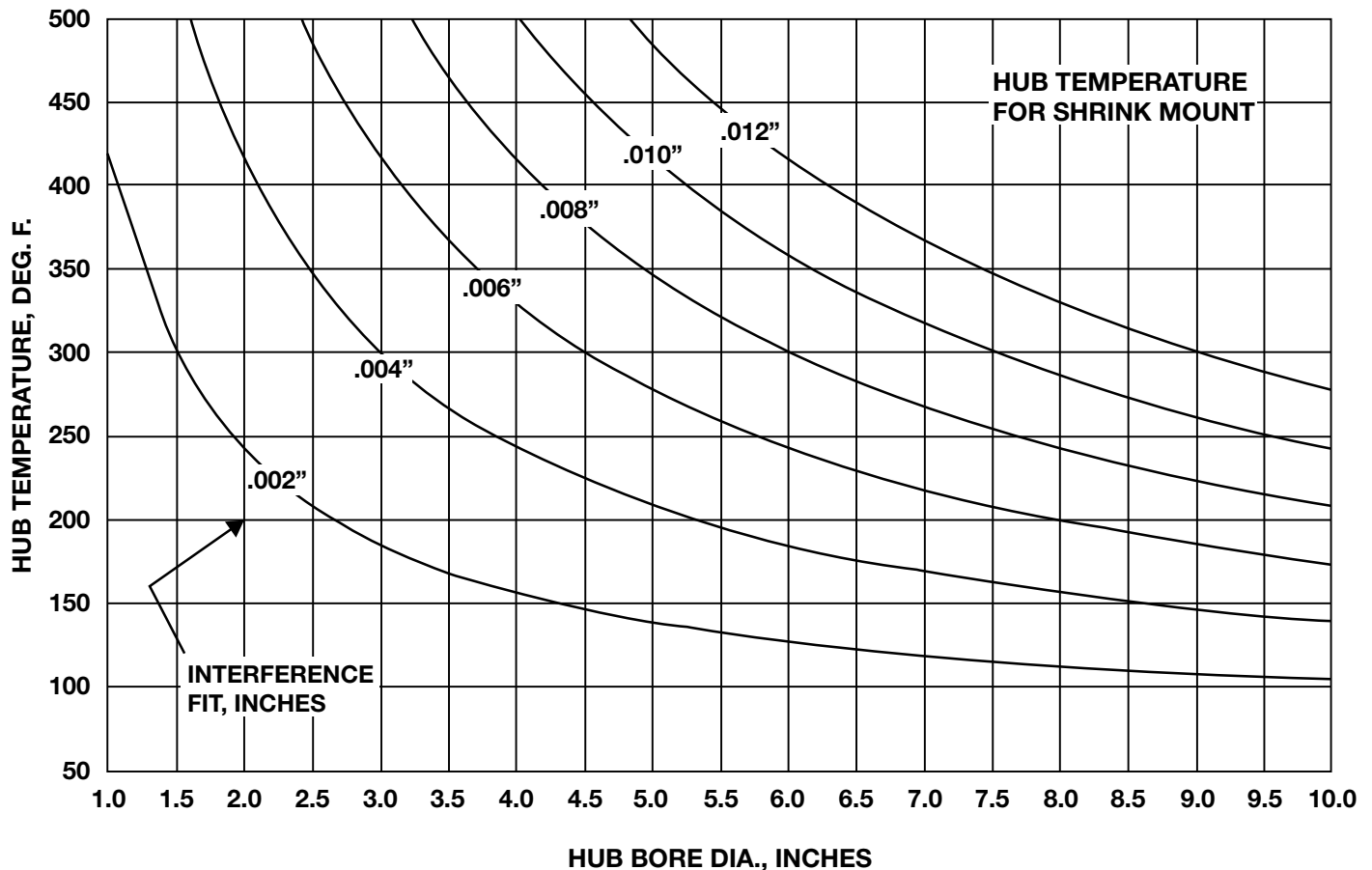
COUPLING SIZE	DISC BOLT THREAD SIZE	NUT TORQUE (FT-LB)
114	1/4-20	12
134	5/16-18	25
214	1/2-13	106
234	1/2-13	106
318	1/2-13	106
338	1/2-13	106
414	3/4-10	376
512	1-8	909
612	1-8	909
778	1-8	909
918	1 1/8-7	1288
1100	1 1/8-7	1288

ASSEMBLY & ALIGNMENT

- 1) Clean driver mounting flange on discharge head and head shaft threads, remove any nicks or burrs and lubricate with oil.
- 2) Install driver hub on driver shaft:
 - Insert key into keyway, making sure key clears the circular groove cut around the shaft near the end.
 - Slide driver hub onto shaft far enough to insert the circular split ring into the shaft groove.
 - Install split ring in shaft groove and let driver hub slip down over the split ring and hold it in position.
- 3) Install pump hub on head shaft:
 - Slide pump hub onto shaft.
 - Insert key into keyway, making sure key clears the head shaft threads.
 - Thread adjusting nut onto shaft until top of adjusting nut is even with end of shaft.
- 4) If using spacer type coupling, bolt the spacer to the driver hub.
- 5) Turn the adjuster nut until proper impeller adjustment is achieved per pump manufacturer guidelines.
 - Adjusting Nut has holes on outside to allow for inserting hex wrench or round bar to facilitate adjustment.
- 6) Bolt pump hub and adjuster nut to spacer or driver hub and tighten to specified torque.

HUB SHRINK FIT TEMPERATURES

DATA SUPPLIED FOR REFERENCE ONLY! Installer must ensure that proper procedures and values are used. Graph assumes steel hub material and 70° F. ambient temperature, and includes a 10% safety margin. For example, for 6" bore and .008" interference, heating the hub from 70° to 300° will expand the hub by .0088". Do not exceed the interference specified on the assembly drawing to avoid overstressing the hub.



All Customer Service phone numbers shown in bold

Belted Drives and Sheaves	Couplings Cont.	Gearing	Linear Products
<p>TB Wood's <i>Belted Drives</i> Chambersburg, PA - USA 1-888-829-6637 – Press #5 <i>For application assistance:</i> 1-888-829-6637 – Press #7</p>	<p>TB Wood's <i>Elastomeric Couplings</i> Chambersburg, PA - USA 1-888-829-6637 – Press #5 <i>For application assistance:</i> 1-888-829-6637 – Press #7 <i>General Purpose Disc Couplings</i> San Marcos, TX - USA 1-888-449-9439</p>	<p>Bauer Gear Motor <i>Gearred Motors</i> Esslingen, Germany +49 (711) 3518-0 Middlesex, NJ - USA 1-732-469-8770</p>	<p>Warner Linear <i>Linear Actuators</i> New Hartford, CT - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-825-9050 Saint Barthélemy d'Anjou, France +33 (0)2 41 21 24 24</p>
<p>Couplings</p>	<p>Electromagnetic Clutches and Brakes</p>	<p>Boston Gear <i>Enclosed and Open Gearing, Electrical and Mechanical P.T. Components</i> Charlotte, NC - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-816-5608</p>	<p>Overrunning Clutches</p>
<p>Ameridrives <i>Mill Spindles, Ameriflex, Ameridisc</i> Erie, PA - USA 1-814-480-5000 <i>Gear Couplings</i> San Marcos, TX - USA 1-800-458-0887 <i>Universal Joints, Drive Shafts, Mill Gear Couplings</i> Erie, PA - USA 1-920-593-2444</p>	<p>Inertia Dynamics <i>Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes</i> New Hartford, CT - USA 1-800-800-6445</p>	<p>Nuttall Gear and Delroyd Worm Gear <i>Worm Gear and Helical Speed Reducers</i> Niagara Falls, NY - USA 1-716-298-4100</p>	<p>Formsprag Clutch <i>Overrunning Clutches and Holdbacks</i> Warren, MI - USA 1-800-348-0881 – Press #1 <i>For application assistance:</i> 1-800-348-0881 – Press #2</p>
<p>Bibby Turboflex <i>Disc, Gear, Grid Couplings, Overload Clutches</i> Dewsbury, England +44 (0) 1924 460801 Boksburg, South Africa +27(0) 11 918 4270</p>	<p>Matrix <i>Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes</i> Brechin, Scotland +44 (0) 1356 602000 New Hartford, CT - USA 1-800-825-6544</p>	<p>Heavy Duty Clutches and Brakes</p>	<p>Marland Clutch <i>Roller Ramp and Sprag Type Overrunning Clutches and Backstops</i> Warren, MI - USA 1-800-216-3515</p>
<p>Guardian Couplings <i>Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings</i> Michigan City, IN - USA 1-219-874-5248</p>	<p>Warner Electric <i>Electromagnetic Clutches and Brakes</i> New Hartford, CT - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-825-9050 Saint Barthélemy d'Anjou, France +33 (0)2 41 21 24 24 <i>Precision Electric Coils and Electromagnetic Clutches and Brakes</i> Columbia City, IN - USA 1-260-244-6183</p>	<p>Industrial Clutch <i>Pneumatic and Oil Immersed Clutches and Brakes</i> Waukesha, WI - USA 1-262-547-3357</p>	<p>Stieber Clutch <i>Overrunning Clutches and Holdbacks</i> Heidelberg, Germany +49 (0) 6221-30470</p>
<p>Huco <i>Precision Couplings and Air Motors</i> Hertford, England +44 (0) 1992 501900 Chambersburg, PA - USA 1-888-829-6637</p>	<p>Engineered Bearing Assemblies</p>	<p>Svendborg Brakes <i>Industrial Brakes and Brake Systems</i> Vejrstrup, Denmark +45 63 255 255</p>	<p>For information concerning our sales offices in Asia Pacific check our website www.altramotion.com.cn</p>
<p>Lamiflex Couplings <i>Flexible Couplings, Bearing Isolators, and Coupling Guards</i> Cotia, SP - Brasil +55 (11) 4615-6300</p>	<p>Kilian <i>Engineered Bearing Assemblies</i> Syracuse, NY - USA 1-315-432-0700</p>	<p>Twiflex <i>Caliper Brakes and Thrusters</i> Wichita Falls, TX - USA 1-844-723-3483 Twickenham, England +44 (0) 20 8894 1161</p>	
		<p>Wichita Clutch <i>Pneumatic Clutches and Brakes</i> Wichita Falls, TX - USA 1-800-964-3262 Bedford, England +44 (0) 1234 350311</p>	



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