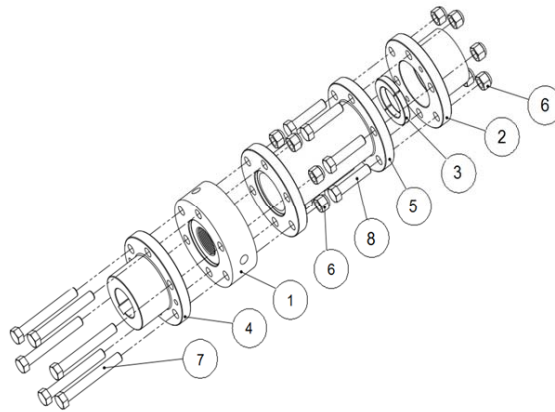
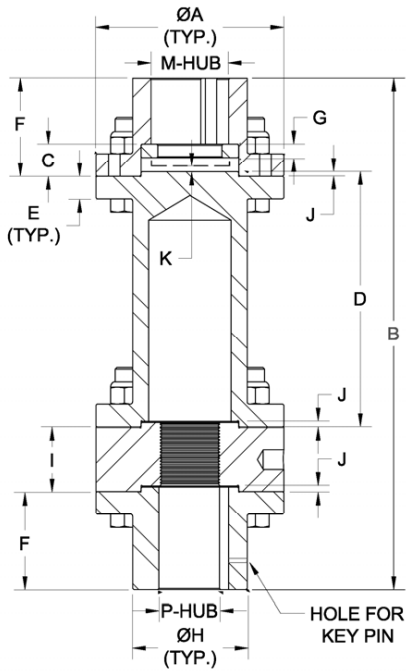


# AVS Series Rigid Couplings

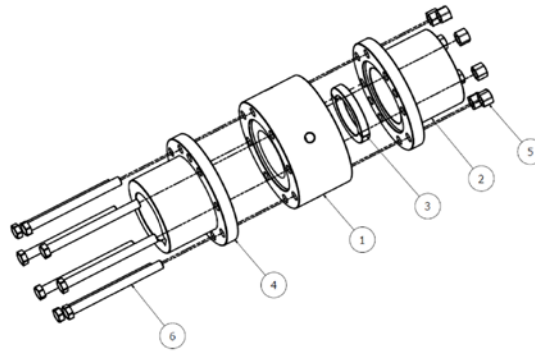
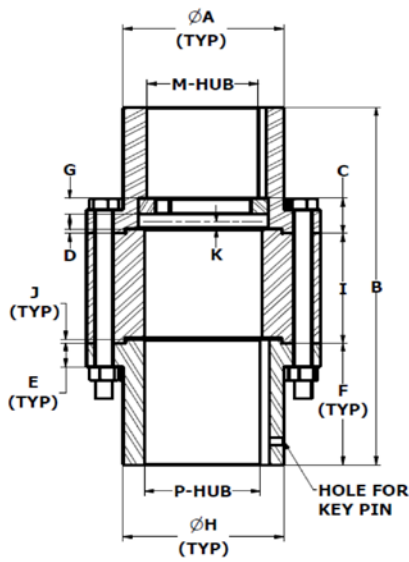
Installation Instructions

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
4	Pump Hub
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

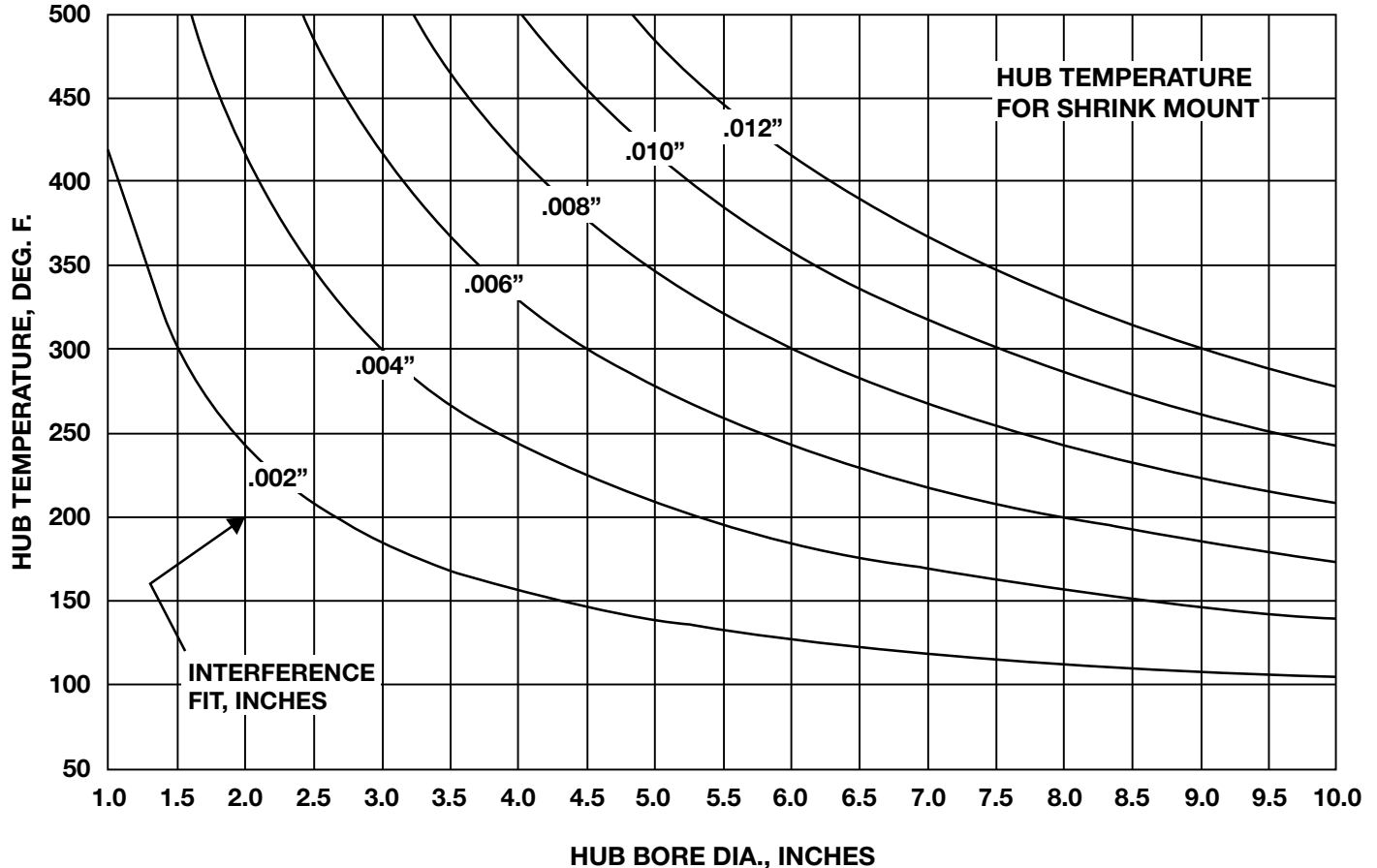
COUPLING SIZE	DISC BOLT THREAD SIZE	NUT TORQUE (FT-LB)
114	1/4-20	12
134	5/16-18	25
214	1/2-13	106
234	1/2-13	106
318	1/2-13	106
338	1/2-13	106
414	3/4-10	376
512	1-8	909
612	1-8	909
778	1-8	909
918	1 1/8-7	1288
1100	1 1/8-7	1288

### 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 .008". Do not exceed the interference specified on the assembly drawing to avoid overstressing the hub.



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