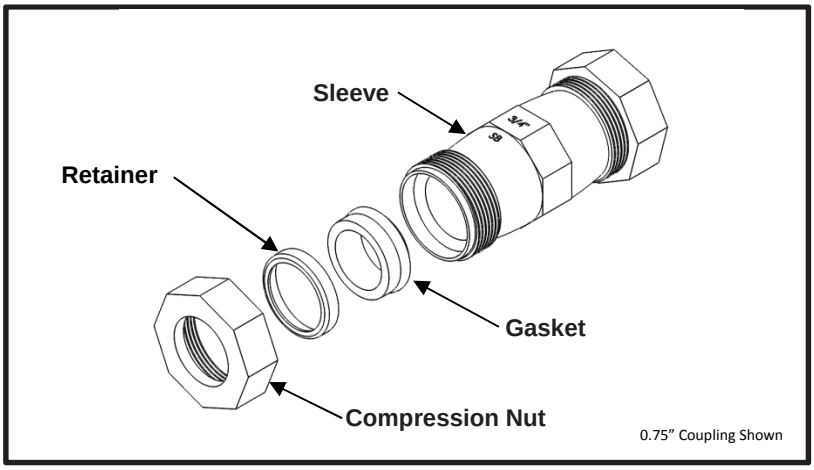
SPECIFICATION
COMPRESSION COUPLING
MODEL 525



APPLICATIONS

- **Typical Uses**
  - Joining plain-end pipe of same outside diameters
  - Replace split or excessively damaged pipe
- **Standard Pipe Sizes**
  - 0.5" to 2" nominal
- **Type of Pipe**
  - Carbon Steel, Stainless Steel, PVC, Copper (with use of adapter gasket)
- **Working Pressure**
  - 150 psi

MATERIALS

- **Compression Nut**
  - Cast using Ductile or Malleable Iron
  - Galvanized finish for improved corrosion resistance
  - Wrench flats shall be cast in for wrench engagement or holding during installation
  - Coupling to allow for installation of mating pipe ends without disassembly of fitting
- **Sleeve**
  - Cast using Ductile or Malleable Iron
  - Galvanized finish for improved corrosion resistance
  - Deflections up to 4° (2º per end) shall allow for pipe movement and installation on pipe that is not perfectly aligned
  - Wrench flats are cast in body for wrench engagement or holding during installation
  - Stab fit design for ease of installation
- **Gasket**
  - Nitrile (Buna-N) per ASTM D2000
  - Compounded to resist water, oil, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals
  - Temperature range: -20ºF to +180ºF
  - Brass helix spring molded into the leading edge enhancing corrosion protection and electrical conductivity
- **Retainer**
  - Formed using Carbon Steel
  - Designed to hold gasket in place and concentrate compression for maximum pipe support , reinforcement and sealing pressure

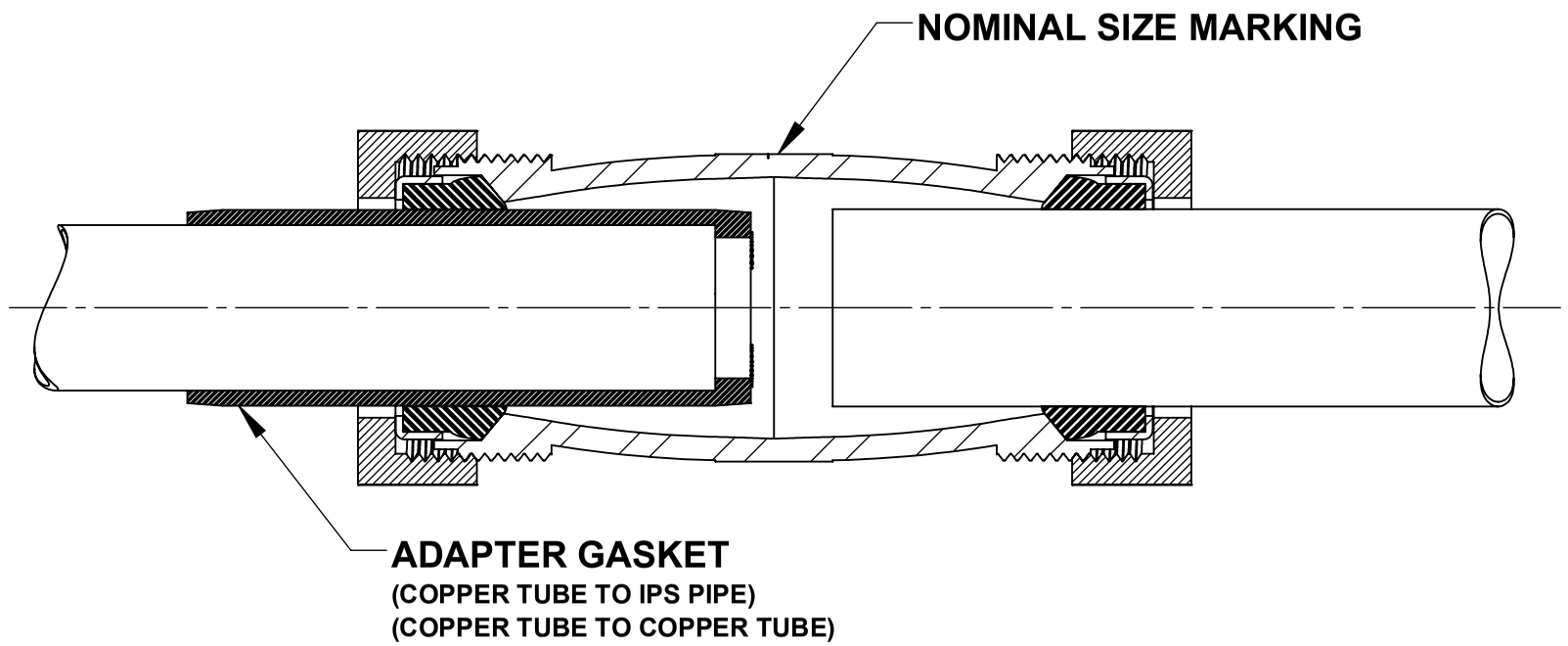
OPTIONS

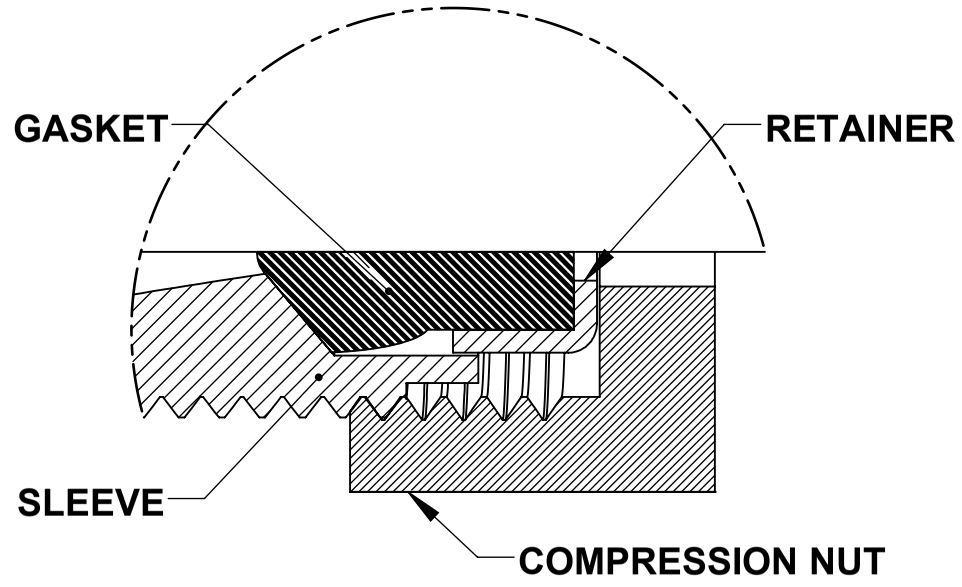
- Adapter Gasket (used in copper tube applications)

NOTES

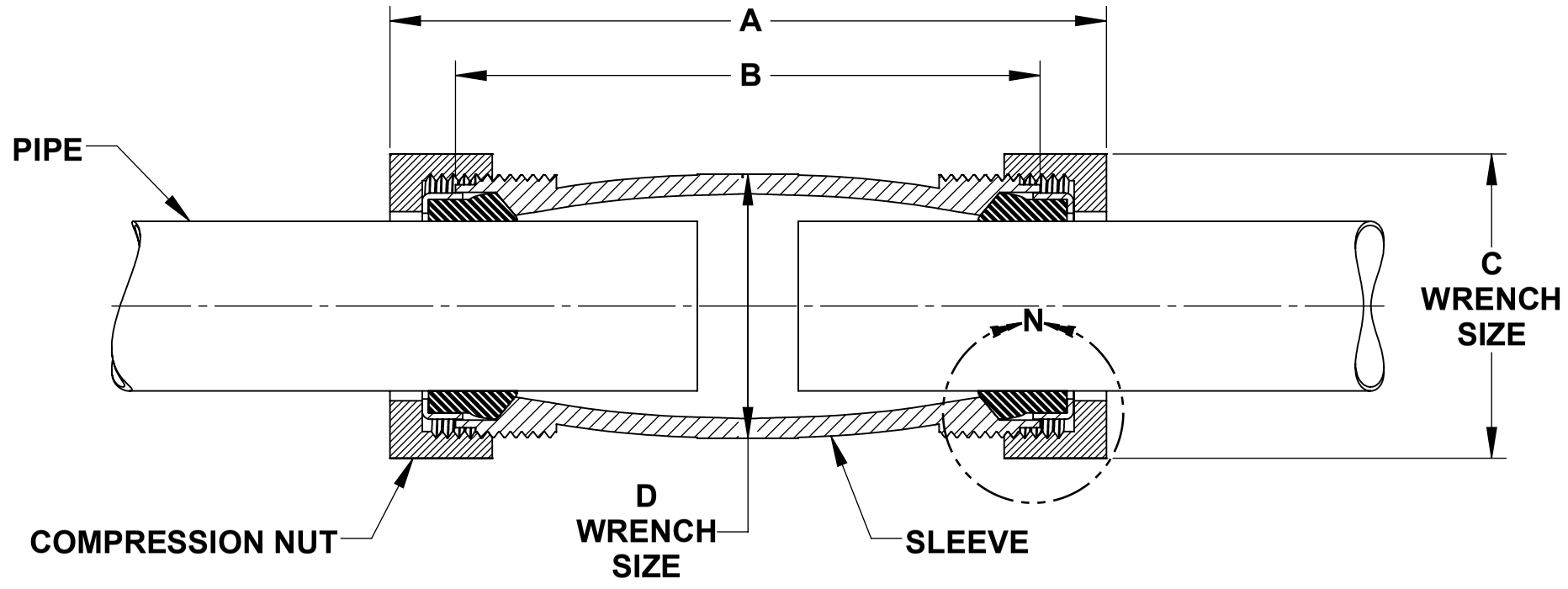
- This product **does not** restrain the pipe from pulling out of the fitting
- These product specifications were correct at the time of publication and are subject to change without notice
- See the Smith-Blair® web site for part numbers and ordering information
- See the Smith-Blair® web site for warranty information
- See the Smith-Blair® web site for corrosion warnings

30 Globe Ave, Texarkana, AR 71854
Ph: 870-773-5127 • Fax: 870-773-5212
Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792





DETAIL N



NOMINAL PIPE SIZE	A	B	C	D	APPROX. WT. EA. (LB)
0.50	4.20	3.47	1.70	1.38	1.00
0.75	4.46	3.69	1.92	1.65	1.30
1	4.82	4.07	2.30	1.94	1.50
1.25	4.91	4.11	2.60	2.21	1.80
1.50	5.15	4.39	2.77	2.51	2.70
2	5.50	4.57	3.37	3.10	2.85

TOLERANCES U.N.O. .XX= ±.03 .XXX= ±.015 FRACTIONS= ANGLES=±1° MACH. FIN= ALL DIMENSIONS ARE IN INCHES.	NOTES: REMOVE BURRS AND SHARP EDGES DO NOT SCALE DWG.	APP'D		DATE	
		CK'D		DATE	
	SCALE: N/A	DRN	CHD	DATE	5/14/15

TITLE

SPECIFICATION
COMPRESSION COUPLING
MODEL 525

SMITH-BLAIR, Inc.
TEXARKANA, ARKANSAS

P/N N/A

DWG. NO. SPEC_525.DRW

SHEET 1 OF 1

REV. 4/7/16