

How To Size AMFM Braid Bands & Related Information

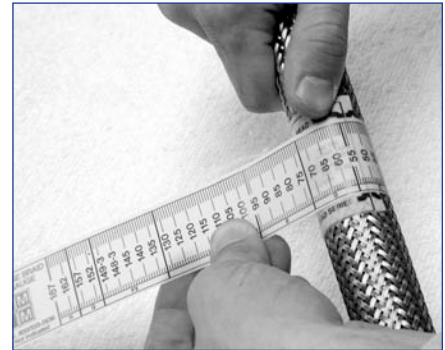
AMFM Braid Bands must be sized for each individual hose and configuration, in relation to the cataloged or otherwise specified Fit Size as described in the specifications section of this catalog. Several methods are recommended as follow:

- Use the AMFM Size Gauge. This will indicate the braid band size that is needed for the hose being measured. The sizing gauge is designed to correctly indicate the ID number for an AMFM Incorporated braid band. This allows sizing of any hose and braid combination or intended application. The AMFM sizing gauge was developed for use with braided metal hose.
- Referred Size. AMFM, in some instances, will supply a “most often used” size based on the manufacturer of the hose in a single braid configuration. These sizes will indicate a preferred fit, keeping in mind that several sizes may fit a single hose depending on preference and hose uniformity.
- AMFM Incorporated does not recommend selecting size from catalog dimensions from hose manufacturer or measuring hose without consulting AMFM.

Additional Sizing Notes:

These conditions should be considered in reviewing braid band sizing:

- More than one “standard” size increment will fit a braided hose with nominal difference, except in smaller hose sizes (under 1”).
- Double braid hoses generally require the equivalent increase of approximately three standard sizes beyond/over the single braid size. Sizes should be checked using the AMFM Sizing Gauge, or reviewed with factory.
- Braid difference is a normal size consideration only when it is braided braid, with braids of various wire gages not offering large differences.
- Unbraided hose requires a much closer fit and should always be reviewed with factory for proper consideration, including Fit Size modification when using AMFM Incorporated standard sizes.
- AMFM Incorporated Braid Bands offer very close consistency and in some instances can exceed that of the hose. This may require alternate bands when a very tight fit is used that leaves no ability to consume a minor increase in hose diameter.



Manufacturing and Production Control Systems

All AMFM Incorporated Braid Bands are produced through a proprietary production process that consists of two control systems. These systems control the production of all parts and function to implement any specifications and tolerances required. Control systems are documented and Braid Bands cannot be manufactured or shipped without meeting control requirements. In some instances of single point variation, parts may be shipped with a Notice of Variation, allowing customer to review parts. See Variation Notice below.

“ACS” – AMFM Part Number Control

AMFM Part Number – All parts that are supplied by AMFM Part Number are produce to meet specifications reflected in the catalog. The dimensions, material & tolerance specifications are reflected in the catalog. This includes all parts defined by AMFM part numbers or variations that remain with AMFM identification. Parts can be manufactured to given variations from specifications and tolerances, with written acceptance of modifications by AMFM Incorporated.

“CCS” – Customer Specification System

Customer Part Number – All parts that are supplied by Customer Part Number are produced to meet specifications reflected by the written and approved customer provided specifications. Specifications are those that define the mechanical features and tolerances with production per AMFM control system. All conditions other than part mechanical features are also subject to the written acceptance by AMFM Incorporated.

Requirements for Customer Specification System:

1. Braid Band at variation to a standard AMFM part that cannot be defined by AMFM part numbers.
2. Drawing or written detail defining the required mechanical properties and tolerances.

Variation Notice

In limited instances where parts could only be supplied with a single over tolerance variation, based on AMFM Incorporated review, an individual part would be shipped, partially or complete, for customer review. These shipped parts would always contain a “Notice of Variation” that would advise the customer of the variation in the shipped part. The notice will state the variation, the availability of parts without variation and conditions – always stating that parts with variation may be returned without cost for parts or handling.

Part Characteristics & Features

Parts carry manufacturing specifications with respect to part feature variations. Variations affect general part quality, square, and edge alignment and can depend on material, ID Size and width. Specifications are designated to keep parts within requirements considered reasonable for braid band use. Parts exceeding specifications are subject to a Variation Notice. *See Variation Notice on page 4.

Out of Round	This value can only be determined at the time of manufacture in most sizes; Due to handling as mentioned in ID Section. Acceptable tolerances applied at time of manufacture do not affect the part "Fit Size"
Edge Protrusion	Referring to general edge condition. Single point protrusion or burr, with specification maximum of .0075" and .005", respectively. All edges burr free and square.
Edge Variation Edge (Parallel & Square)	With reference perpendicular to ID, part edge variations can deviate in parallel, part square, or basic material irregularities. Variations can involve a single edge or both. Specification calls for a maximum "gap distance" when measuring with reference to ID surface and corresponding perpendicular edge. Gap Specifications vary from .010" to .040" depending on part size and material.

Application of tolerances and standards (in particular ID) must be applied at time of manufacture and can not generally be applied after that time. Parts are subject to modification of these numbers with processing from cleaning, packaging and handling. Specification is provided to present maximum manufacturing limits and present acceptable full range of parts. Any exceptions must be reviewed with AMFM Incorporated.

Certification Available

AMFM Incorporated Braid Bands are manufactured to be used as temporary welding fixtures in the fabrication of industrial use metal hose assemblies only. No other usage or application is intended or recommended. To the extent that such products are used for any other purpose, AMFM INCORPORATED disclaims both their merchantability and fitness for such unintended use. There are no warranties which extend beyond the description contained herein.

