

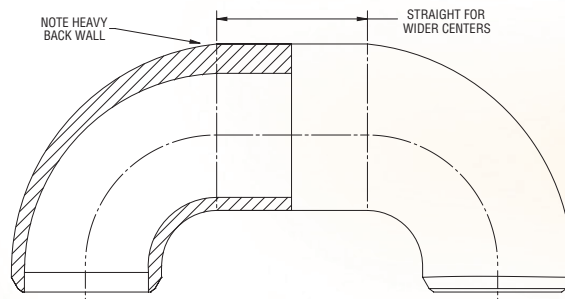
WF-REPCO™ TYPE 11

RETURN BENDS, ELBOWS, TERMINAL FITTINGS AND WYES

As the recognized brand leader, the WF-Repcos™ Type 11 line is dependable, can stand up to harsh environments, and withstands high stress levels.

WF-Repcos™ Advantages

- ▶ Additional back wall thickness ensures longer life
- ▶ Center-to-center or center-to-face dimensions provide flexibility
- ▶ Design freedom accommodates special fittings, non-standard centers and tube sizes
- ▶ Production of special fittings, including multi-hole terminals
- ▶ Small quantities can be accommodated
- ▶ Full range of carbon steel, low alloy and high alloy specifications available, suitable for matching seamless wrought tube and high alloy cast specifications



Engineering drawing is representative of a basic concept; we can design products to meet your exact specifications.



Weld U-Bend



90° Elbow



Terminal with Side Outlet



Terminal with End Outlet

WF-REPCO™ TYPE 11

Design Criteria

Use the following charts to determine the minimum wall thickness of cast Weld U-Bends and Elbows having strength and corrosion allowances comparable to that of specified tube wall thickness.

Caution: In the cast of minimum wall tube specifications, it is customary to add 14% to the minimum wall thickness for the purpose of establishing an “average” dimension for calculation of a “nominal” inside diameter tube.

AVERAGE WALL TUBE SPECIFICATIONS	
Average Wall Tube	Minimum Wall Fitting
.000 – .322	3/8"*
.323 – .429	1/2"*
.430 – .536	5/8"
.537 – .643	3/4"
.644 – .750	7/8"
.751 – .858	1"
.859 – .965	1-1/8"
.966 – 1.072	1-1/4"

MINIMUM WALL TUBE SPECIFICATIONS	
Minimum Wall Tube	Minimum Wall Fitting
.000 – .282	3/8"*
.283 – .376	1/2"*
.377 – .470	5/8"
.471 – .564	3/4"
.565 – .658	7/8"
.659 – .752	1"
.753 – .847	1-1/8"
.848 – .941	1-1/4"

*Due to requirements for practical, castable wall sections, the above charts list the minimum wall sections available for various nominal inside diameters of cast fittings.

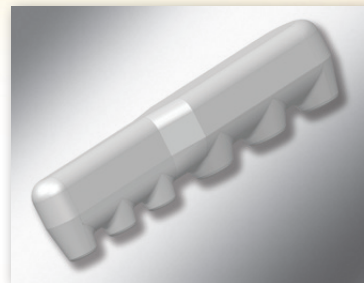
Standard cast fittings are available with nominal inside diameters in increments of 1/4," from 1-1/2" to 8" I.D. After determination of the “nominal” inside diameter of the tube (bore diameter of fitting, in most cases), the chart indicates the standard nominal cast inside diameter of the fitting.

Decimal Range of Tube Nom. I.D.	Fractional Size Nom. Cast I.D. Fitting
.000 – .09375	.000
.09376 – .34375	1/4"
.34376 – .59375	1/2"
.59376 – .84375	3/4"
.84376 – .99999	.000

Nom. Inside Diameter of Cast Fitting	Minimum Wall Available
1-1/2" – 6-3/4"	3/8"
7" – 8"	1/2"***

***A larger foundry tolerance for maintaining minimum wall is required for these diameters.

Pyrolysis Coils Fitting



WF-Repco™ offers Type 11 standard and special fittings for weld fabrication into coils incorporating guide tubes, brackets and support pieces for top hanging, when

required. These fittings are cast in nickel chromium alloys, fully compatible with the specification of a centrifugally cast tube.



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