

1.0 SCOPE

All belt furnaces (including RTC, LCI, TPS, BTU, SierraTherm, W-J and others).

2.0 PURPOSE

To specify a replacement belt provide the information in this bulletin.

3.0 TOOLS REQUIRED

Tape Measure, Calipers, Camera

4.0 DESCRIPTION

New and replacement conveyor belts are specified as follows:

1. Belt Width x Length
2. Belt Weave Type.
3. Belt Weave Specification
4. Edge type
5. Material

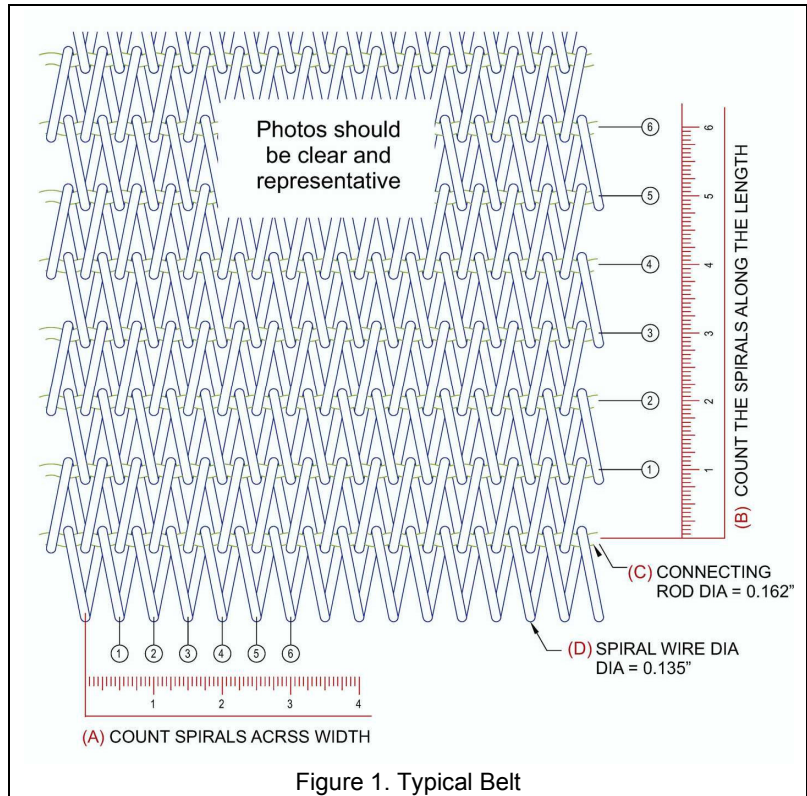


Figure 1. Typical Belt

5.0 PROCEDURE

Measure and photograph the belt as follows:

1. Measure across belt width. Measure length of furnace from roller to roller.
2. List belt weave type – provide photo clearly showing weave.
3. Belt Weave Specification (A – B – C – D). Ref Figure 1.
 - A Count the number of spirals across the width of the belt in 12” (30.5 cm).
 - B Count the number of spirals along the length of the belt in 12” (30.5 cm).
 - C Measuring the connecting rod diameter in inches or mm.
 - D Measure the spiral wire diameter in inches or mm.
 - E Convert C and D to equivalent wire gage (Table E).
 - F Populate A-B-C/D belt specification.

Example: 24-12-8/10 (fig 1).

4. Edge type – provide photo showing edge of belt
5. Material – Provide maximum temperature of furnace and any non-standard chemical exposure.

Wire Gauge	Equip Dia (in)	Equip Dia (mm)
24	.0230	.584
23	.0258	.655
22	.0286	.726
21	.0317	.805
20	.0348	.884
19	.0410	1.04
18	.0475	1.21
17	.0540	1.37
16	.0625	1.59
15	.0720	1.83
14	.0800	2.03
13	.0915	2.32
12	.1055	2.68
11	.1205	3.06
10	.1350	3.43
9	.1483	3.77