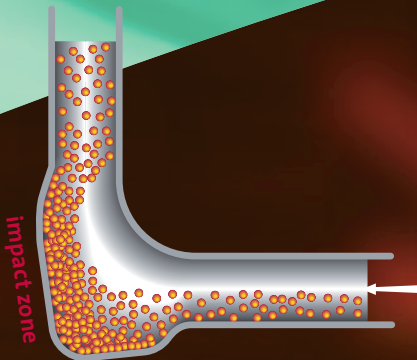


The Pellbow[®]

Bulkmatology[®] Solutions

wear resistant
eliminates streamers
reduces fines



The Pellbow[®] Resists Wear – Naturally

By design, material flowing through the Pellbow[®] accumulates in the pocket or “impact-zone” and moves slowly upward and out. Incoming material is deflected at 90 degrees, with minimum resistance and no impact damage.



The Pellbow[®] Family Sizes 1,5” to 10” (40mm – 250mm) available

The Challenge

In traditional long radius elbow installations, the pellets slide along the elbow wall at a high velocity. The strong centrifugal forces press the pellets against the outer metal surface. This causes friction which creates heat that melts the outer layer of the pellets, resulting in a thin film build-up along the surface of the wall. This build-up eventually breaks loose, forming unwanted streamers and fluff that lead to product contamination. Abrasive materials wear out the elbow walls quickly due to these high frictional forces.

The Solution

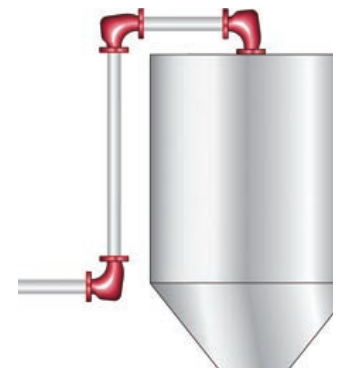
Using a Pellbow[®] avoids all the frictional problems caused in traditional elbows.

Pellbow[®] Applications

- For all high and low density dilute phase systems
- For plastic pellets, other granules and abrasive products
- For retrofitting existing systems
- For replacement of long and short radius elbows – and other pipe bends.

Pellbow[®] Features

- Compact and easy to install
- 100% self cleaning
- Fits all flange and pipe connections
- Available in cast iron, stainless and aluminum
- Reduces noise level
- Minimized pressure drop



Pellbow[®] Installation on a Silo

Note how the orientation of the Pellbows can vary and also, the space required is far less than what is required for a standard long radius elbow.

In General

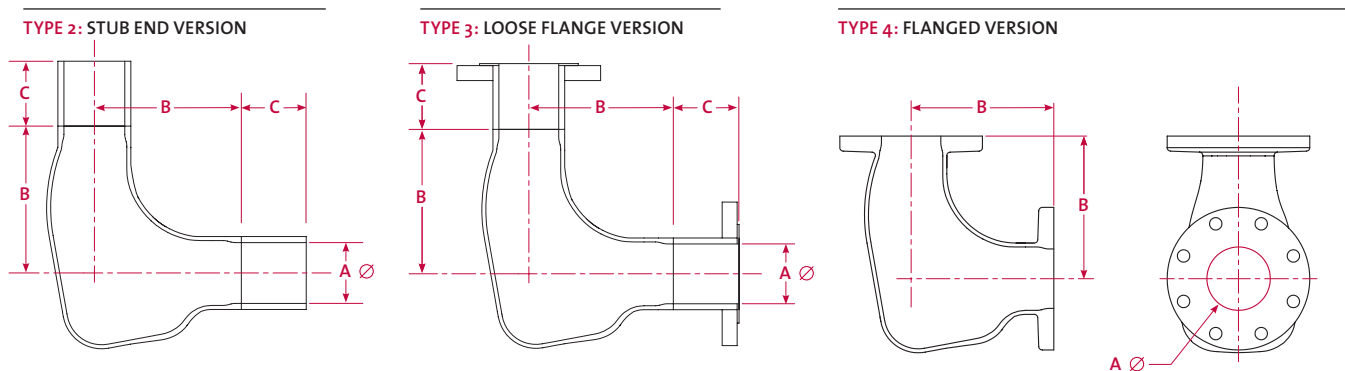
All sizes available as standard in aluminum, cast iron and stainless steel 304.
Abrasive resistant alloy versions available on request.

The Pellbow[®] fits all sizes of tubing and piping in ANSI, DIN and JIS standards. Special designs and fittings available on request.

All flanges available as standard in ANSI, DIN and JIS.

Stub end version for compression coupling connection available for tubing and piping.

Loose flanges available in stainless steel 304, cast iron galvanized and cast aluminum, special designs available on request.



Measurements and Weights (all measurements and weights are approximate)

Size	DIM (A)	DIM (B)	DIM (C)	SS Iron T2	SS Iron T3	SS/Iron T4	AL T2	AL T3
1.50"	1.30"	6.70"	4.30"	5.00 lbs.	on request	on request	1.60 lbs.	on request
40 mm	33 mm	169 mm	110 mm	2.30 Kg	on request	on request	0.70 Kg	on request
2.00"	2.00"	6.50"	4.00"	6.60 lbs.	17.00 lbs.	16.00 lbs.	2.60 lbs.	13.00 lbs
50 mm	51 mm	165 mm	100 mm	3.00 Kg	8.00 Kg	7.00 Kg	1.20 Kg	6.00 Kg
2 1/2"	2.50"	7.00"	4.00"	9.00 lbs.	24.80 lbs.	28.00 lbs.	3.00 lbs.	19.00 lbs
64 mm	64 mm	178 mm	100 mm	4.00 Kg	11.00 Kg	13.00 Kg	1.50 Kg	8.00 Kg
3.00"	3.00"	7.75"	4.00"	15.20 lbs.	33.00 lbs.	50.00 lbs.	6.00 lbs.	24.00 lbs
75 mm	76 mm	197 mm	100 mm	7.00 Kg	15.00 Kg	23.00 Kg	2.70 Kg	10.00 Kg
4.00"	4.00"	9.00"	4.00"	28.00 lbs.	54.00 lbs.	60.00 lbs.	10.60 lbs.	36.00 lbs.
100 mm	102 mm	229 mm	100 mm	13.00 Kg	24.00 Kg	27.00 Kg	5.00 Kg	16.00 Kg
5.00"	5.00"	10.25"	6.00"	40.00 lbs.	68.00 lbs.	75.00 lbs.	15.30 lbs.	44.00 lbs.
125 mm	127 mm	260 mm	150 mm	18.00 Kg	31.00 Kg	34.00 Kg	7.00 Kg	20.00 Kg
6.00"	6.00"	11.50"	6.00"	50.00 lbs.	83.40 lbs.	160.00 lbs.	18.00 lbs.	51.00 lbs
150 mm	152 mm	292 mm	150 mm	23.00 Kg	38.00 Kg	72.00 Kg	8.00 Kg	23.00 Kg
8.00"	8.00"	14.00"	6.00"	75.00 lbs.	130.80 lbs.	210.00 lbs.	49.00 lbs.	104.00 lbs
200 mm	203 mm	356 mm	150 mm	34.00 Kg	59.00 Kg	95.00 Kg	22.00 Kg	47.00 Kg
10.00"	10.00"	16.50"	6.00"	200.00 lbs.	274.00 lbs.	305.00 lbs.	70.00 lbs.	144.00 lbs
250 mm	254 mm	419 mm	150 mm	91.00 Kg	124.00 Kg	138.00 Kg	32.00 Kg	65.00 Kg

Part Number Nomenclature example **030-AR-T4-A-3.5"/3.068"**

030 (Nominal Size)	AR (Material Type)	T4 (Style)	A (Flange Availability)	3.5"/3.068" (OD/ID)
020 – 2" (50 mm)	CS – Carbon Steel	T2 – Stub End	A – ANSI	Pipe-Tube OD/ID
025 – 2.5" (64 mm)	SS – 304 Stainless Steel	T3 – Loose Flange	D – DIN	Inches/mm
030 – 3" (75 mm)	AL – Aluminum	T4 – Cast in Flange	J – JIS	
040 – 4" (100 mm)	AR – Abrasion Resistant		N – No Flange	
050 – 5" (125 mm)	SA – Superalloy		S – Special (Specify)	
060 – 6" (150 mm)				
080 – 8" (200 mm)				
100 – 10" (250 mm)				