



Rhino Bends

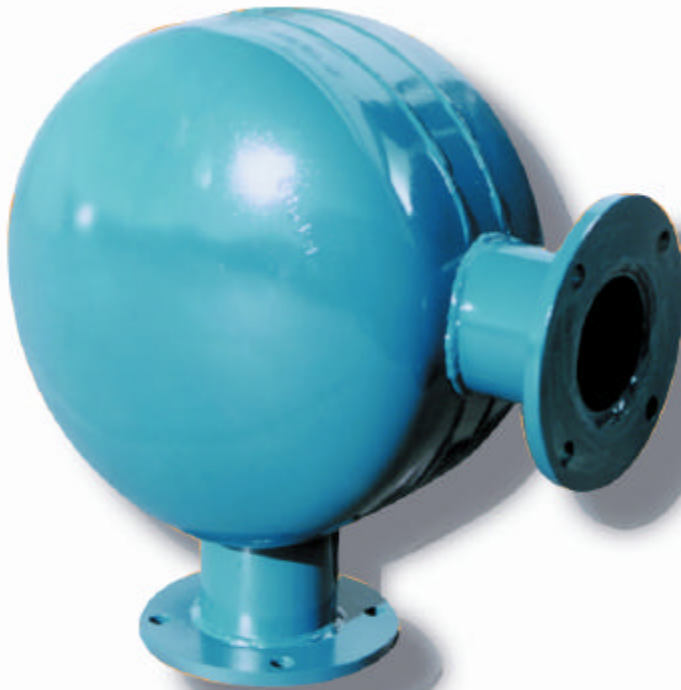


Photo shows a standard 90° Rhino Bend

The Rhino Abrasive Bend is a new development in pneumatic conveying which solves many of the problems associated with conveying abrasive materials.

Prior to the development of the Rhino Bend, many pneumatic conveying systems experienced extremely high resistance across bends – dramatically reducing the efficiency of the system.

In addition, the speeds at which these materials were conveyed often caused the bends to wear through prematurely.

Pneuvay Engineering's new Rhino Bends greatly reduce these losses and protect the bends from wearing. By utilizing an over-sized radius, Pneuvay Engineering have developed a bend that will decrease the velocity of the outer-most material. The material tends to form a stationary buffer layer which protects the interior of joint. This means that the bend will not suffer from the normal abrasion associated with conveying heavy materials.

Without Rhino Bends, companies used long radius bends to convey material into a silo or building. This meant that the pipeline was attached at a reasonably large distance from the wall or silo – increasing the cost of fittings enormously. In most cases, the Rhino Bends allow directional changes of 90° - or even steeper.

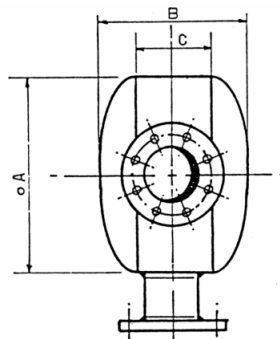
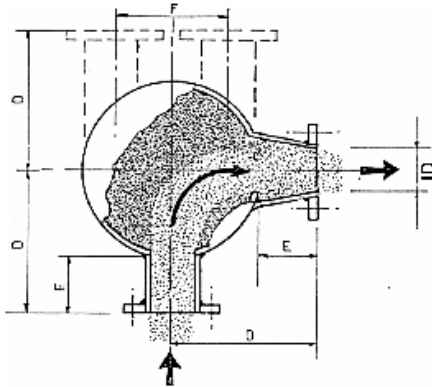
Pneuvay Engineering's Rhino Bends have the following advantages.

- Less wear and tear on the joint – giving the joint a far longer useful life
- Increased efficiency
- Less resistance
- Extremely lightweight
- Simple to fit
- Allow pipelines to be fitted very close to silo's or buildings
- Very cost effective



Rhino Sizes

Rhino Model	I.D. (NB)				A.S.Table D			A.S.Table E		
		A	B	C	D	E	F	D	E	F
Rhino 50	50	286	220	80	210	72.5	165	230	92.5	190
Rhino 65	65	305	270	100	240	80	185	260	100	210
Rhino 80	80	406	310	110	280	80	220	290	90	230
Rhino 100	100	406	335	135	310	110	240	320	120	250
Rhino 125	125	508	410	160	340	90	270	350	100	280
Rhino 150	150	610	490	190	400	100	295	420	120	315
Rhino 200	200	786	570	240	460	110	360	480	130	380



Rhino Bends are suitable for use in situations where materials are being conveyed at low, moderate, or high pressures. They are ideal (and often necessary) for use in conveying any materials with a tendency to be abrasive. The Rhino Bends are manufactured from welded steel – Stainless steel is available for sanitary conditions.

Rhino Models

For more information regarding the Rhino Bends or any other aspect of pneumatic conveying, please call Pneuvay Engineering.

