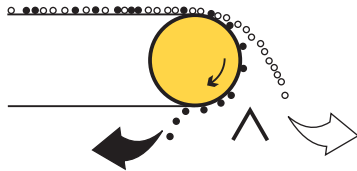


# PLY



PLY magnetic Pulley provides a uniform powerful magnetic field to continuous automatic removal of damaging tramp iron from material on any belt conveyor. The magnetic field is generated all around the pulley and is effective on the entire surface in the range of conveyor belt, the magnetizable iron pieces pass through the magnetic field with minimum distance over separator, and they attracted and held to the belt until it passes out of the magnetic field and are discharged into a chute or bin. The cleaned non-magnetic material is discharged normally over the pulley. Shaft of Pulley are removable mild steel and are available optional in stainless steel. An adjustable stainless steel divider which usually installed below the head Pulley positioned for specific conditions of material and tramp iron discharge and permit separation fine tuning and provide optimum separation performance.

Standard PLY separators are designed with axial alternative poles arrangement and supply with powerful ceramic magnets which encased in rolled stainless steel shell. End caps equipped to flanged hub bored to couple with any shaft details as customer request. Pulleys are fully welded construction for

use in differ applications, heavy loads and long conveyors. Standard Pulleys must be used for Max. 80°C conveyed material temperature. In special case for separation of weakly magnetic pieces or very small parts or more layer thickness of material MAG Magnetics supply PLY with strong Neodymium magnet elements.

The Pulley length depends on the width of belt and in order to achieve best performance of the separation please inform about size and shape of the ferrous parts to be separated, type and layer thickness of the material to be conveyed and belt speed. The PLY separators are preferably used for low bulk heights or the separation of captured and covered tramp iron parts.

The PLY separators designed to remove large iron pieces, such as bolts, strip and tools which could damage conveyor, Crushers or processing machineries.

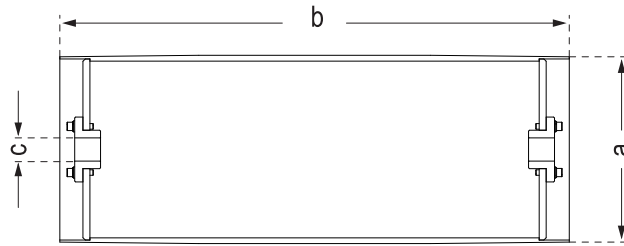
The PLY magnetic pulleys are used for all kind of bulk materials, such as Coal, coke, lime stone, cement, rock, salt, potash, blast furnace and steel mill slag, foundry sand, gravel sand, synthetic granulates, limestone, recyclable wood products, food, chemical, mining, rock products, ceramic, paper, coal handling and foundry operations.

#### Features and application:

- Available in high depth radial pole or axial alternative pole arrangement
- Self cleaning separator
- Stainless steel shell with mild steel caps
- High strength ceramic or optional Rare-Earth magnet elements
- Standard stainless steel flat face in optional crowned face or vulcanized rubber lagging
- Low-cost operation and maintenance



# PLY



Model	Pulley diameter a	Belt width	Effective magnet width	Pulley width b	Effective depth of field	Max belt speed	Inside hub diameter c	Weight
	Mm (inch)	mm	mm	mm	mm	m/sec	mm	kg
PLY 20-40	203 (8)	400	350	500	30	0.5	35	55
PLY 20-50		500	450	600				70
PLY 20-60		600	550	700				82
PLY 20-70		700	650	800				96
PLY 20-80		800	750	950				110
PLY 20-90		900	850	1,050				120
PLY 20-100		1,000	950	1,150				135
PLY 30-40	305 (12)	400	350	500	50	0.8	50	112
PLY 30-50		500	450	600				142
PLY 30-60		600	550	700				170
PLY 30-70		700	650	800				200
PLY 30-80		800	750	950				225
PLY 30-90		900	850	1,050				257
PLY 30-100		1,000	950	1,150				300
PLY 30-120	1,200	1,150	1,350	350				
PLY 38-40	381 (15)	400	350	500	60	1	60	170
PLY 38-50		500	450	600				220
PLY 38-60		600	550	700				270
PLY 38-70		700	650	800				310
PLY 38-80		800	750	950				350
PLY 38-90		900	850	1,050				410
PLY 38-100		1,000	950	1,150				480
PLY 38-120	1,200	1,150	1,350	550				
PLY 45-40	457 (18)	400	350	500	70	1.2	70	250
PLY 45-50		500	450	600				310
PLY 45-60		600	550	700				380
PLY 45-70		700	650	800				440
PLY 45-80		800	750	950				510
PLY 45-90		900	850	1,050				580
PLY 45-100		1,000	950	1,150				680
PLY 45-120	1,200	1,150	1,350	780				
PLY 50-40	508 (20)	400	350	500	80	1.5	75	295
PLY 50-50		500	450	600				375
PLY 50-60		600	550	700				440
PLY 50-70		700	650	800				510
PLY 50-80		800	750	950				580
PLY 50-90		900	850	1,050				670
PLY 50-100		1,000	950	1,150				800
PLY 50-120	1,200	1,150	1,350	930				
PLY 50-130		1,300	1,250	1,450	1,000			
PLY 50-140		1,400	1,350	1,550	1,080			
PLY 50-150		1,500	1,450	1,650	1,150			
PLY 60-40	610 (24)	400	350	500	100	1.8	90	440
PLY 60-50		500	450	600				565
PLY 60-60		600	550	700				690
PLY 60-70		700	650	800				800
PLY 60-80		800	750	950				920
PLY 60-90		900	850	1,050				1,080
PLY 60-100		1,000	950	1,150				1,250
PLY 60-120	1,200	1,150	1,350	1,450				
PLY 60-130		1,300	1,250	1,450	1,570			
PLY 60-140		1,400	1,350	1,550	1,680			
PLY 60-150		1,500	1,450	1,650	1,800			

