

Conveyor parts

· Belt Automatic Alignment Device Series

HYDRAULIC AUTOMATIC ALIGNMENT

The Tiptop mechanical alignment device has a simple structure with a core shaft assembly and sealed bearings. Using the differential principle, it adjusts belts without touching edges, preventing damage. Suitable for conveyors in mines and power plants, it ensures stable alignment and extends belt life.



PRODUCT PARAMETERS

Model	Suitable Belt Width	Suitable Belt Speed	Deviation Correction Response Time	Correction Force	Operating Pressure	Hydraulic Fluid	Detection Method	Power Supply Voltage	Explosion-Proof Grade (Optional)	Operating Temperature	Protection Class	Installation Position
YJP-800	800mm	≤ 4.5m/s	≤ 0.5s	≥ 5kN	6~10MPa	Anti-wear Hydraulic Oil / Flame-Retardant Hydraulic Oil	Photoelectric / Mechanical Idler	AC220V/ AC380V/ DC24V	Exd I Mb/ Exd II BT4	-30~80° C	IP67	Head / Tail / Intermediate Section / Transfer Point
YJP-1000	1000mm	≤ 5.0m/s	≤ 0.5s	≥ 8kN	6~12MPa	Anti-wear Hydraulic Oil / Flame-Retardant Hydraulic Oil	Photoelectric / Mechanical Idler	AC220V/ AC380V/ DC24V	Exd I Mb/ Exd II BT4	-30~80° C	IP67	Head / Tail / Intermediate Section / Transfer Point
YJP-1200	1200mm	≤ 5.0m/s	≤ 0.5s	≥ 10kN	8~14MPa	Anti-wear Hydraulic Oil / Flame-Retardant Hydraulic Oil	Photoelectric / Mechanical Idler	AC220V/ AC380V/ DC24V	Exd I Mb/ Exd II BT4	-30~80° C	IP67	Head / Tail / Intermediate Section / Transfer Point
YJP-1400	1400mm	≤ 5.5m/s	≤ 0.5s	≥ 12kN	8~16MPa	Anti-wear Hydraulic Oil / Flame-Retardant Hydraulic Oil	Photoelectric / Mechanical Idler	AC220V/ AC380V/ DC24V	Exd I Mb/ Exd II BT4	-30~80° C	IP67	Head / Tail / Intermediate Section / Transfer Point
YJP-1600	1600mm	≤ 5.5m/s	≤ 0.5s	≥ 15kN	10~18MPa	Anti-wear Hydraulic Oil / Flame-Retardant Hydraulic Oil	Photoelectric / Mechanical Idler	AC220V/ AC380V/ DC24V	Exd I Mb/ Exd II BT4	-30~80° C	IP67	Head / Tail / Intermediate Section / Transfer Point
YJP-1800	1800mm	≤ 6.0m/s	≤ 0.5s	≥ 18kN	10~20MPa	Anti-wear Hydraulic Oil / Flame-Retardant Hydraulic Oil	Photoelectric / Mechanical Idler	AC220V/ AC380V/ DC24V	Exd I Mb/ Exd II BT4	-30~80° C	IP67	Head / Tail / Intermediate Section / Transfer Point