

SPECIFICATION SHEET

PILOT CRUSHTEC®

CRUSHING AFRICA'S ROCK

Pilot Modular:
MC1050 Conveyor Range

PRODUCT NAME: MC1050 Pilot Modular Conveyor
DOCUMENT NO: PCS-07-02-23
REV: 08
DATE: 15/09/2022



SAFETY FEATURES



RAPID SETUP
TIME



COST EFFECTIVE



NO CIVILS REQUIRED

PRODUCT DESCRIPTION

The Pilot Modular MC1050 conveyor is a wheel-mounted, medium-duty conveyor and is designed to operate in materials transfer or stockpiling duties. It is supplied in four (4) various lengths, is fully guarded and is supplied ready to run. These modular conveyor systems provide an efficient transfer of a wide variety of materials such as coal, aggregates, sand, construction and demolition waste, mine ore, crushed rock and river gravel.

Pilot Modular conveyors have been designed to integrate with other Pilot Modular modules or as stand-alone conveyors being integrated into existing materials transfer points within crushing and screening plants ideally.

These conveyors are wheel mounted for ease of mobility on-site or alternatively all modular conveyors have an optional base plate setup.

MC1050

PILOT MODULAR CONVEYOR SPECIFICATIONS

FEATURES

Width:	1050mm wide
Available Lengths:	11m, 16m, 21m, 26m
Belt Type:	Class 500 4Ply
Belt Tracking:	Adjustable screw type
Belt Speed:	1.8m/s as standard
Idlers:	SABS 127mm diameter idlers, 20° idlers at feed and discharge ends, 35° idlers along length
Drive Drum:	Rubber lagged
Tail Drum:	Crowned, slatted
Guarding:	Fully guarded drive and tail drum area. Nip guards on return rollers
Scraper:	Self-tensioning primary belt scraper on drive drum. Plough scraper on tail drum
Support Structure:	Height adjustable structure mounted on axle with pneumatic tyres or base Plate. Slewing axles on 11m, 16m, 21m and 26m options. Electric slew drive available as option
Walkways:	Full length 500mm wide walkways. Wrap around walkway head section.
Angle Adjustment:	14° - 19°
Load-in:	Feed boot with rubber skirting and impact bed
Tons per hour:	±800tph (Tonnage base on material with 1,6t/m ³ density)

CONVEYOR OPTIONS

Drive:	V-Belt driven helical reduction gearbox, See table overleaf for drive specifications
Slew Driver:	3kW for the 11m & 16m, 5,5kW for the 21m & 26m, 380VAC Electric slew drive complete with reduction gearbox and heavy-duty chain.
Wheels:	Wheels support
Pivot Base:	Base support

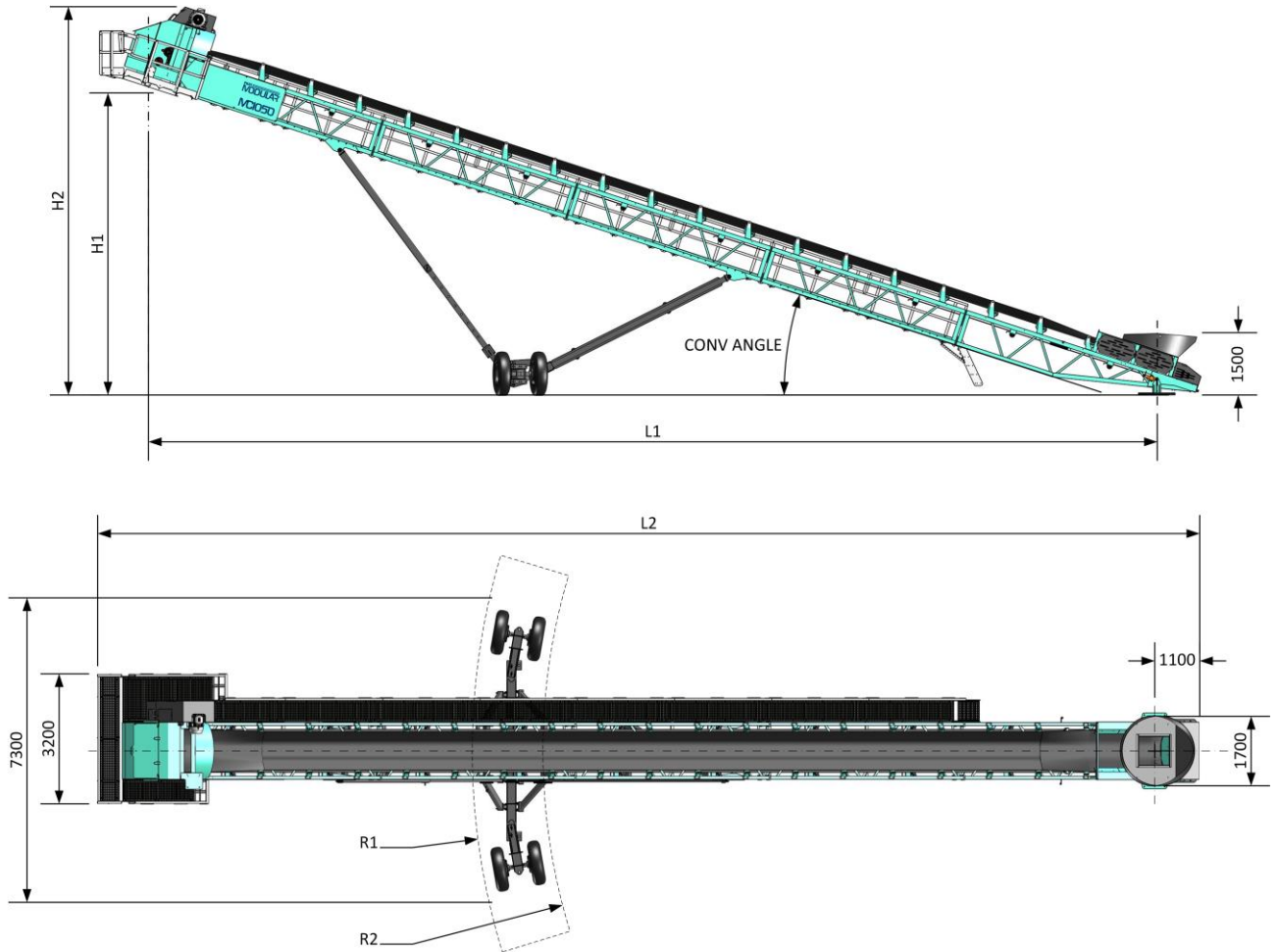
ESTIMATE WEIGHT

Total:	See table overleaf for information
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WORKING DIMENSIONS

The working dimensions of the Pilot Modular MC1050 Conveyor



WORKING DIMENSIONS									
	ANGLE (deg°)	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	R1 (mm)	R2 (mm)	MOTOR (kW)	WEIGHT (kg)
11M	12°	1600	3800	10600	12900	9000	7500	22	8500
	14°	1970	4160	10515	12830	8900	7400		
	16°	2300	4500	10430	12750	8800	7300		
16M	14°	3180	5370	15390	17680	12210	10710	22	10000
	16°	3690	5880	15260	17560	12025	10525		
	18°	4190	6380	15120	17420	11790	10290		
21M	14°	4380	6600	20250	22550	15050	13050	22	12200
	16°	5050	7300	20050	22400	15000	13000		
	18°	5740	7950	19900	22200	14800	12800		
26M	14°	5600	7800	25100	27400	17250	15250	30	13300
	16°	6440	8650	24900	27200	17050	15050		
	18°	7280	9500	24600	27000	16800	14800		

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