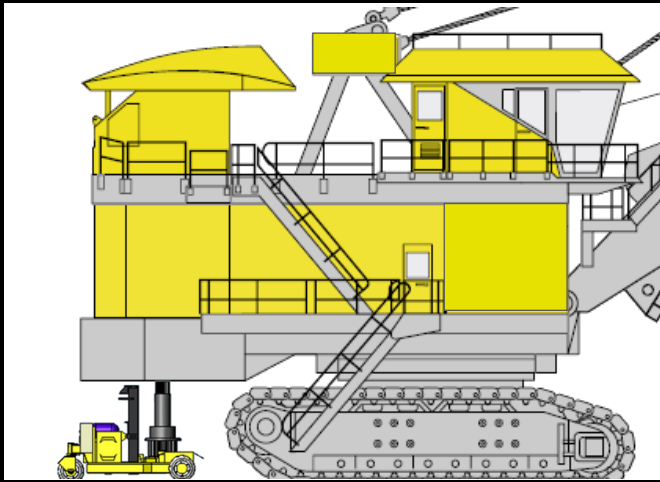




SWING PINION REMOVER

GENERAL SPECIFICATIONS

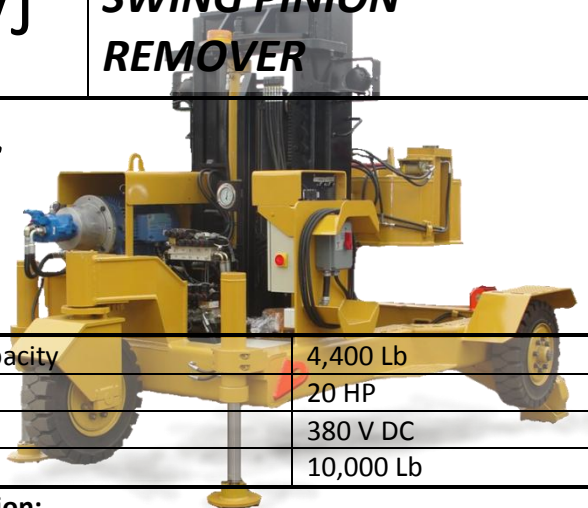
GENERAL OVERVIEW



Load Capacity	4,400 Lb
Power	20 HP
Voltage	380 V DC
Weight	10,000 Lb

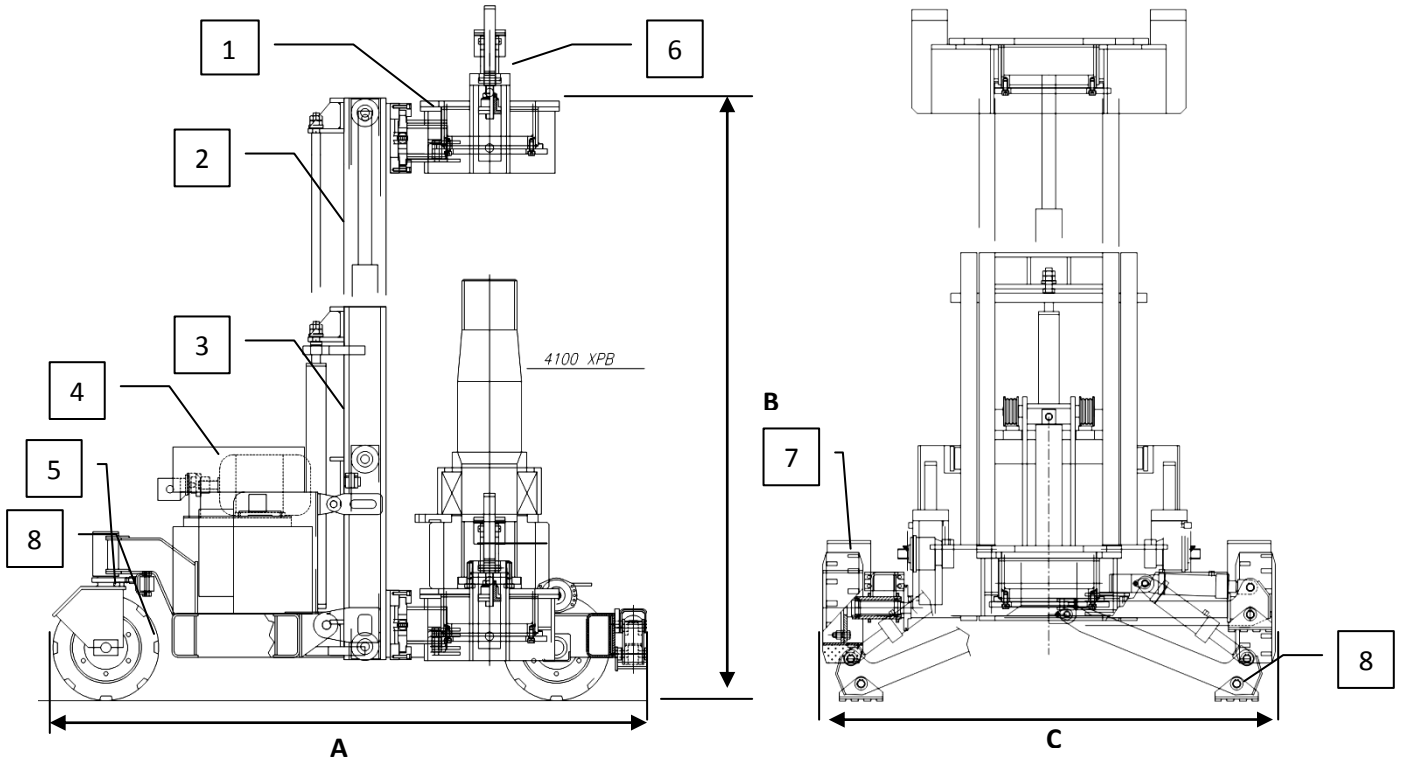
Description:

Designed to handling the Turntable Pinion of large Shovels, the TM-EG2500 can easily remove and install the pinion from its housing, safely and with only one operator. **Save time with maintenance and increase shovel availability.** Electric drive wired for using mine power sources.



GENERAL DIMENSION & PART LIST

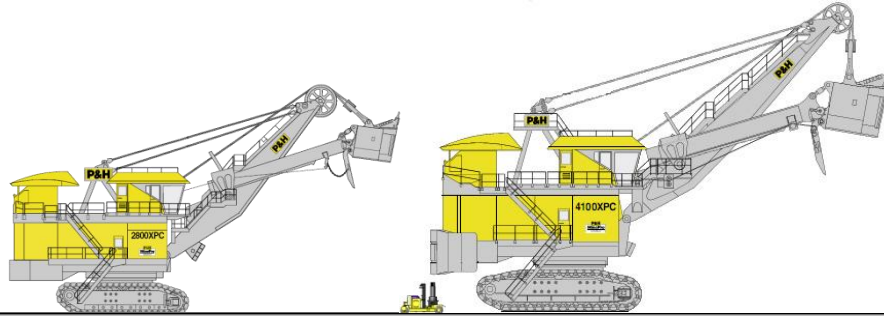
A	135.5"	1	CARRIAGE	4	POWER UNIT	7	DRIVING WHEELS
B	136"	2	MAST	5	STEERING	8	FRONT OUTRIGGERS
C	98.5"	3	COLUMN	6	EXTRACTION CYLINDER	9	REAR OUTRIGGERS



Dealer :

M-0007

OPERATION



DESIGNED TO OPERATE OVER:

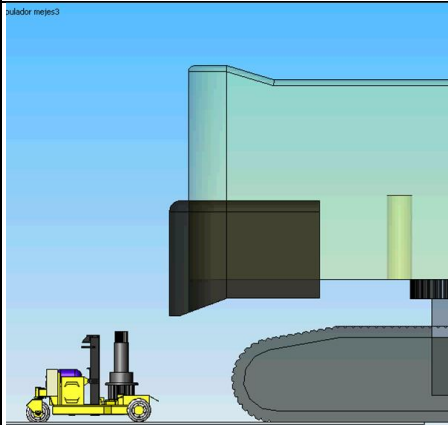
P&H 2800 XP SHOVEL

P&H 4100 A SHOVEL

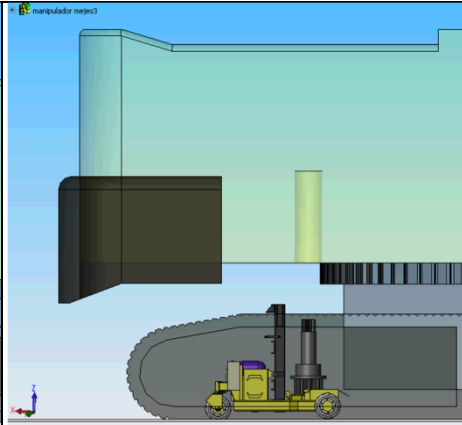
P&H 4100 XPB SHOVEL

P&H ELECTRIC SHOVELS

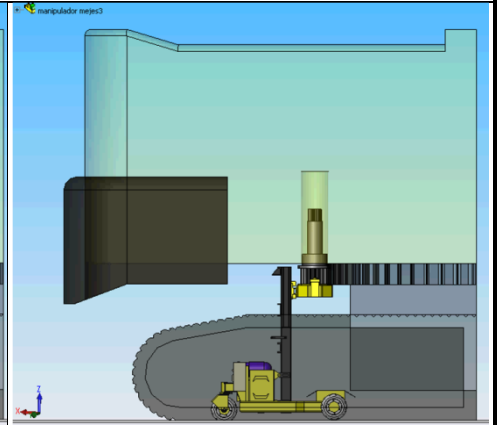
APPROACH SEQUENCE



BACK SHOVEL ENTERING



POSITIONING UNDER THE PINION



REACHING THE PINION

INSTALLING/REMOVING THE SWING PINION

1° STAGE



Get in position under the Pinion. Level with the four independent Outriggers.

2° STAGE



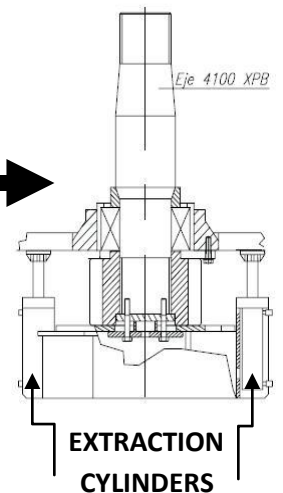
Carriage reacts against Machine bottom to extract frozen assemblies. And used to locate shaft and engaging gear.

3° STAGE



Pinion shaft base bolted to machine carriage Mast pull down limited by machine weight: 4Ton
Extraction Cylinders pull down force: 100Ton

4100XPB SWING.PINION.











M-0008

SPECIFICATIONS



Main Specs	
Load Capacity	4,400 Lb
Overall Width	98.5"
Overall Length	135.5"
Min – Max Height	7.5' - 8.2' ft
Power	
Electrical Input	380/460 V DC– 50/60 Hz
Power	20 HP
Feed Cable	115 ft
functions: ALL PROPORTIONAL	
Leveling	4 Outriggers
Mast Lift	2 - independents
Carriage	2 - SideShift & Table Rotation
Extraction Cylinders	1 – (two cylinders)
Propel	1 – fwd/rev
Steering	1 – Left/right
Transporting Dimensions	
W x L x H	98.5" x 135.5" x 7.5 ft X
Net Weight	10,000 Lb

Propel		Safety Devices	
Driving wheels	2 frontal	Mast	yes
Steering Wheel	1 rear	Carriage	yes
Tire Size	7.00 x 12	Back/foward Alarm	yes
Max Speed	1.5 MPH	Strobe beacon Light	Yes
		Controls	
		Remote & Manual	yes

				NEW FEATURES
RADIO REMOTE CONTROL	REAR OUTRIGGERS	MAST SAFETY LOCKS	CARRIAGE SAFETY LOCK	
				
MAIN DISCONNECT & ELECTRIC PANEL	PHASE SELECTOR	PULLING DOWN FLANGE	MANUAL CONTROL PLUG	

M-0009

IN OPERATION



**CLIENT: CODELCO
CHUQUICAMATA**

COUNTRY: CHILE

YEAR: 2003



**CLIENT: SOUTHERN PERU
COPPER CORPORATION-
CUAJONE.**

COUNTRY: PERÚ

YEAR: 2007



CLIENT: MINERA ESCONDIDA
OPERATED BY BHP BILLITON

COUNTRY: CHILE

YEAR: 2009



M-0010