

EQUIPMENT SPECIFICATIONS

TANDEM MILL

18.25" & 39.75" X 52" MESTA 4 STAND TANDEM COLD ROLLING MILL
TDI REFERENCE NUMBER: 63067

MANUFACTURER: Mesta/Westinghouse
AGE: 1956
QUANTITY: 1.00

GENERAL SPECIFICATIONS:

MANUFACTURER: Mesta

ENTRY MATERIAL: Carbon Steel

ENTRY PRODUCT DIMENSIONS:
WIDTH MAXIMUM (INCHES): 48 Inches (1,219.200 mm)
THICKNESS MAXIMUM (INCHES): 0.188 Inches (4.775 mm)
FINISHED PRODUCT: Coiled

STRIP:
WIDTH MAXIMUM (INCHES): 48 Inches (1,219.200 mm)
THICKNESS MAXIMUM (INCHES): 0.188 Inches (4.775 mm)
COIL O.D. MAXIMUM (INCHES): 90 Inches (2,286.000 mm)
COIL I.D. MINIMUM (INCHES): 20 Inches (508.000 mm)
COIL WEIGHT (LBS.): 60,000 Pounds (27,215.520 kg)
ANNUAL PRODUCTION (TPY): 540,000 Tpy (489,879.900 mtpy)

ROLLING MILL USE: Cold Reduction

ROLLING MILL DESIGN: Non Reversing

MILL TYPE: 4 High

UNCOILER / PAYOFF REEL:
QUANTITY: 1
TYPE: Mandrel
MANDREL DIMENSIONS:

DIAMETER (INCHES):	20 Inches (508.000 mm)
FACE (INCHES):	56 Inches (1,422.400 mm)
DRIVE MOTOR:	
MOTOR MANUFACTURER:	<u>Westinghouse</u>
MILL STAND 1:	
WORK ROLLS:	
ROLL DIAMETER (INCHES):	18.250 Inches (463.550 mm)
ROLL FACE (INCHES):	52 Inches (1,320.800 mm)
BEARING TYPE:	<u>Roller</u>
BACK UP ROLLS:	
ROLL DIAMETER (INCHES):	39.750 Inches (1,009.650 mm)
ROLL FACE (INCHES):	52 Inches (1,320.800 mm)
BEARING TYPE:	Morgoil
DRIVEN:	<u>Work rolls</u>
DRIVE SPINDLE TYPE:	<u>Slipper</u>
SCREWDOWN:	
EXISTS:	Yes
COMPLETE:	Yes
SCREWDOWN TYPE:	<u>Electro-Mechanical</u>
PINION STAND:	
PITCH DIAMETER (INCHES):	20 Inches (508.000 mm)
HORSEPOWER:	1,200 HP (895.200 kw)
INPUT RPM:	500/800 Rpm
REDUCER:	
MILL DRIVE TYPE:	Gear Reducer
INPUT RPM:	500/800 Rpm
GEAR RATIO:	7.95
BEARING TYPE:	<u>Roller</u>
MAIN MILL MOTOR:	
QUANTITY:	2
HORSEPOWER:	600 HP (447.600 kw)
MOTOR MANUFACTURER:	<u>Westinghouse</u>
RPM:	500/800 Rpm
VOLTS:	<u>250</u>
CURRENT:	DC
MILL STAND 2:	
WORK ROLLS:	
ROLL DIAMETER (INCHES):	18.250 Inches (463.550 mm)
ROLL FACE (INCHES):	52 Inches (1,320.800 mm)
BEARING TYPE:	<u>Roller</u>
BACK UP ROLLS:	
ROLL DIAMETER (INCHES):	39.750 Inches (1,009.650 mm)
ROLL FACE (INCHES):	52 Inches (1,320.800 mm)
BEARING TYPE:	Morgoil
DRIVEN:	<u>Work rolls</u>
DRIVE SPINDLE TYPE:	<u>Slipper</u>
SCREWDOWN:	

EXISTS:	Yes
COMPLETE:	Yes
SCREWDOWN TYPE:	Electro-Mechanical
PINION STAND:	
PITCH DIAMETER (INCHES):	20 Inches (508.000 mm)
HORSEPOWER:	1,200 HP (895.200 kw)
INPUT RPM:	500/800 Rpm
BEARING TYPE:	Roller
REDUCER:	
MILL DRIVE TYPE:	Gear Reducer
HORSEPOWER:	1,200 HP (895.200 kw)
INPUT RPM:	500/800 Rpm
GEAR RATIO:	5.65
BEARING TYPE:	Roller
MAIN MILL MOTOR:	
QUANTITY:	2
HORSEPOWER:	600 HP (447.600 kw)
MOTOR MANUFACTURER:	Westinghouse
RPM:	500/800 Rpm
VOLTS:	250
CURRENT:	DC
MILL STAND 3:	
WORK ROLLS:	
ROLL DIAMETER (INCHES):	18.250 Inches (463.550 mm)
ROLL FACE (INCHES):	52 Inches (1,320.800 mm)
BEARING TYPE:	Roller
BACK UP ROLLS:	
ROLL DIAMETER (INCHES):	39.750 Inches (1,009.650 mm)
ROLL FACE (INCHES):	52 Inches (1,320.800 mm)
BEARING TYPE:	Morgoil
DRIVEN:	Work rolls
DRIVE SPINDLE TYPE:	Slipper
SCREWDOWN:	
EXISTS:	Yes
COMPLETE:	Yes
SCREWDOWN TYPE:	Electro-Mechanical
PINION STAND:	
PITCH DIAMETER (INCHES):	20 Inches (508.000 mm)
HORSEPOWER:	1,500 HP (1,119.000 kw)
INPUT RPM:	125/250 Rpm
BEARING TYPE:	Roller
MAIN MILL MOTOR:	
QUANTITY:	1
HORSEPOWER:	1,500 HP (1,119.000 kw)
MOTOR MANUFACTURER:	Westinghouse
RPM:	125/250 Rpm
VOLTS:	600

CURRENT:	DC
MILL STAND 4:	
WORK ROLLS:	
ROLL DIAMETER (INCHES):	18.250 Inches (463.550 mm)
ROLL FACE (INCHES):	52 Inches (1,320.800 mm)
BEARING TYPE:	Roller
BACK UP ROLLS:	
ROLL DIAMETER (INCHES):	39.750 Inches (1,009.650 mm)
ROLL FACE (INCHES):	52 Inches (1,320.800 mm)
BEARING TYPE:	Morgoil
DRIVEN:	Work rolls
DRIVE SPINDLE TYPE:	Slipper
SCREWDOWN:	
EXISTS:	Yes
COMPLETE:	Yes
SCREWDOWN TYPE:	Electro-Mechanical
PINION STAND:	
PITCH DIAMETER (INCHES):	20 Inches (508.000 mm)
HORSEPOWER:	600 HP (447.600 kw)
INPUT RPM:	125/250 Rpm
BEARING TYPE:	Roller
MAIN MILL MOTOR:	
QUANTITY:	1
HORSEPOWER:	600 HP (447.600 kw)
MOTOR MANUFACTURER:	Westinghouse
RPM:	125/250 Rpm
VOLTS:	250
CURRENT:	DC
EXIT TENSION REEL:	
QUANTITY:	1
TYPE:	Mandrel
MANDREL DIMENSIONS:	
DIAMETER (INCHES):	20 Inches (508.000 mm)
FACE (INCHES):	52 Inches (1,320.800 mm)
CAPACITY (TONS):	30 Tons (27.216 mt)
DRIVE TYPE:	Electro Mechanical
DRIVE MOTOR:	
QUANTITY:	1
HORSEPOWER:	900 HP (671.400 kw)
MOTOR MANUFACTURER:	Westinghouse
RPM:	225/787 Rpm
VOLTS:	600
CURRENT:	DC
BELT WRAPPER:	
APPLICABLE:	Yes
TYPE:	Horizontal Traverse

APPROXIMATE WEIGHT (TONS):

3,000 Tons (2,721.555 mt)

COMMENTS:

Coil peeler; coil pusher; 3 roll flattener & pinch
roll unit.

