

EQUIPMENT SPECIFICATIONS

TANDEM MILL

21" & 56" X 56" FOUR STAND TANDEM COLD MILL
TDI REFERENCE NUMBER: 63667

QUANTITY: 1.00

GENERAL SPECIFICATIONS:

ENTRY MATERIAL:	Carbon Steel
ENTRY PRODUCT DIMENSIONS:	
WIDTH MINIMUM (INCHES):	<u>18 Inches</u> (457.200 mm)
WIDTH MAXIMUM (INCHES):	<u>52 Inches</u> (1,320.800 mm)
FINISHED PRODUCT:	<u>Coiled</u>
STRIP:	
WIDTH MINIMUM (INCHES):	<u>18 Inches</u> (457.200 mm)
WIDTH MAXIMUM (INCHES):	<u>52 Inches</u> (1,320.800 mm)
THICKNESS MINIMUM (INCHES):	<u>0.065 Inches</u> (1.651 mm)
THICKNESS MAXIMUM (INCHES):	<u>0.185 Inches</u> (4.699 mm)
COIL O.D. MINIMUM (INCHES):	<u>28 Inches</u> (711.200 mm)
COIL O.D. MAXIMUM (INCHES):	<u>72 Inches</u> (1,828.800 mm)
COIL I.D. MINIMUM (INCHES):	<u>24 Inches</u> (609.600 mm)
COIL I.D. MAXIMUM (INCHES):	<u>24 Inches</u> (609.600 mm)
COIL WEIGHT (LBS.):	<u>66,000 Pounds</u>
COIL WEIGHT (TONS):	<u>33 Tons</u> (29.937 mt)
ROLLING MILL USE:	<u>Cold Reduction</u>
ROLLING MILL DESIGN:	<u>Non Reversing</u>
MILL TYPE:	<u>4 High</u>
ENTRY COIL CONVEYOR:	
APPLICABLE:	<u>Yes</u>
CONVEYOR TYPE:	<u>Chain Link</u>
CONVEYOR DESIGN:	<u>Pit Mount</u>
UNCOILER / PAYOFF REEL:	

QUANTITY:	1
TYPE:	Dual Stub
CAPACITY (TONS):	33 Tons (29.937 mt)
MILL STAND 1:	
MILL SEPARATING FORCE (TONS):	3,310 Tons (3,002.782 mt)
POST SIZE:	
THICKNESS (INCHES):	30 Inches (762.000 mm)
WIDTH (INCHES):	36.750 Inches (933.450 mm)
WINDOW SIZE:	
HEIGHT (INCHES):	195.500 Inches (4,965.700 mm)
WIDTH (INCHES):	58 Inches (1,473.200 mm)
WORK ROLLS:	
ROLL DIAMETER (INCHES):	21 Inches (533.400 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)
BEARING TYPE:	Roller
BACK UP ROLLS:	
ROLL DIAMETER (INCHES):	56 Inches (1,422.400 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)
BEARING TYPE:	Morgoil
DRIVEN:	Work rolls
PASS LINE (INCHES):	38 Inches (965.200 mm)
SHOEPLATE:	
SHOE / SOLE PLATE:	Yes
SHOEPLATE CENTERS (INCHES):	151 Inches (3,835.400 mm)
SCREWDOWN:	
EXISTS:	Yes
COMPLETE:	Yes
SCREWDOWN TYPE:	Hydraulic
PINION STAND:	
HORSEPOWER:	3,000 HP (2,238.000 kw)
INPUT RPM:	0/100/300 Rpm
MAIN MILL MOTOR:	
QUANTITY:	2
HORSEPOWER:	1,500 HP (1,119.000 kw)
RPM:	0/100/300 Rpm
CURRENT:	DC
MILL STAND 2:	
MILL SEPARATING FORCE (TONS):	3,310 Tons (3,002.782 mt)
POST SIZE:	
THICKNESS (INCHES):	30 Inches (762.000 mm)
WIDTH (INCHES):	36.750 Inches (933.450 mm)
WINDOW SIZE:	
HEIGHT (INCHES):	195.500 Inches (4,965.700 mm)
WIDTH (INCHES):	58 Inches (1,473.200 mm)
WORK ROLLS:	
ROLL DIAMETER (INCHES):	21 Inches (533.400 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)

BEARING TYPE:	Roller
BACK UP ROLLS:	
ROLL DIAMETER (INCHES):	56 Inches (1,422.400 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)
BEARING TYPE:	Morgoil
DRIVEN:	Work rolls
PASS LINE (INCHES):	38 Inches (965.200 mm)
SHOEPLATE:	
SHOE / SOLE PLATE:	Yes
SHOEPLATE CENTERS (INCHES):	151 Inches (3,835.400 mm)
SCREWDOWN:	
EXISTS:	Yes
COMPLETE:	Yes
SCREWDOWN TYPE:	Hydraulic
PINION STAND:	
HORSEPOWER:	5,000 HP (3,730.000 kw)
INPUT RPM:	0/150/425 Rpm
MAIN MILL MOTOR:	
QUANTITY:	2
HORSEPOWER:	2,500 HP (1,865.000 kw)
RPM:	0/150/415 Rpm
CURRENT:	DC
MILL STAND 3:	
MILL SEPARATING FORCE (TONS):	3,310 Tons (3,002.782 mt)
POST SIZE:	
THICKNESS (INCHES):	30 Inches (762.000 mm)
WIDTH (INCHES):	36.750 Inches (933.450 mm)
WINDOW SIZE:	
HEIGHT (INCHES):	195.500 Inches (4,965.700 mm)
WIDTH (INCHES):	58 Inches (1,473.200 mm)
WORK ROLLS:	
ROLL DIAMETER (INCHES):	21 Inches (533.400 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)
BEARING TYPE:	Roller
BACK UP ROLLS:	
ROLL DIAMETER (INCHES):	56 Inches (1,422.400 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)
BEARING TYPE:	Morgoil
DRIVEN:	Work rolls
PASS LINE (INCHES):	38 Inches (965.200 mm)
SHOEPLATE:	
SHOE / SOLE PLATE:	Yes
SHOEPLATE CENTERS (INCHES):	151 Inches (3,835.400 mm)
SCREWDOWN:	
EXISTS:	Yes
COMPLETE:	Yes
SCREWDOWN TYPE:	Hydraulic

PINION STAND:	
HORSEPOWER:	4,000 HP (2,984.000 kw)
INPUT RPM:	0/250/625 Rpm
MAIN MILL MOTOR:	
QUANTITY:	2
HORSEPOWER:	2,000 HP (1,492.000 kw)
RPM:	0/250/625 Rpm
CURRENT:	DC
MILL STAND 4:	
MILL SEPARATING FORCE (TONS):	3,310 Tons (3,002.782 mt)
POST SIZE:	
THICKNESS (INCHES):	30 Inches (762.000 mm)
WIDTH (INCHES):	36.750 Inches (933.450 mm)
WINDOW SIZE:	
HEIGHT (INCHES):	195.500 Inches (4,965.700 mm)
WIDTH (INCHES):	58 Inches (1,473.200 mm)
WORK ROLLS:	
ROLL DIAMETER (INCHES):	21 Inches (533.400 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)
BEARING TYPE:	Roller
BACK UP ROLLS:	
ROLL DIAMETER (INCHES):	56 Inches (1,422.400 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)
BEARING TYPE:	Morgoil
DRIVEN:	Work rolls
SHOEPLATE:	
SHOE / SOLE PLATE:	Yes
SHOEPLATE CENTERS (INCHES):	151 Inches (3,835.400 mm)
SCREWDOWN:	
EXISTS:	Yes
COMPLETE:	Yes
SCREWDOWN TYPE:	Hydraulic
PINION STAND:	
HORSEPOWER:	4,000 HP (2,984.000 kw)
INPUT RPM:	0/250/625 Rpm
MAIN MILL MOTOR:	
QUANTITY:	2
HORSEPOWER:	2,000 HP (1,492.000 kw)
RPM:	0/250/625 Rpm
CURRENT:	DC
EXIT TENSION REEL:	
QUANTITY:	1
TYPE:	Mandrel
MANDREL DIMENSIONS:	
DIAMETER (INCHES):	24 Inches (609.600 mm)
FACE (INCHES):	58 Inches (1,473.200 mm)
CAPACITY (TONS):	33 Tons (29.937 mt)

DRIVE TYPE:	Electro Mechanical
DRIVE MOTOR:	
QUANTITY:	2
HORSEPOWER:	600 HP (447.600 kw)
RPM:	0/175/612 Rpm
CURRENT:	DC
OUTBOARD BEARING SUPPORT:	
APPLICABLE:	No
BELT WRAPPER:	
APPLICABLE:	Yes
TYPE:	Hydraulic Slide Type