CROSS-CUTTING SHEARS WITH ROLLING CUT



"Severstal", St. Petersburg, ТЛС 5000 plate mill



"AMZ", Asha, ТЛС 2800 plate mill

Specification

Company	"Severstal" ТЛС 5000 plate mill	"AMZ" ТЛС 2800 plate mill
Application	Cutting head and tail ends, cutting to length	
Туре	stationary	
Drive	electromechanical	
Cut plate specification: - plate thickness, mm - plate width, mm	1050 up to 4800	550 14002600
Tensile strength: - thickness up to 40 mm, MPa - thickness up to 50 mm, MPa	1200	1000
Cutting force, MH	17,5	12
No. of cuts per minute	up t	o 16
Mouth of shears, mm	22	26
Length of cut sheets, m	4	12

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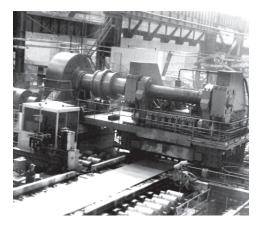
Private Joint-Stock Company NOVOKRAMATORSKY MASHINOSTROITELNY ZAVOD

Rolling mill equipment and rolls. Cross-cutting shears

GUILLOTINE CROSS-CUTTING SHEARS

Specification

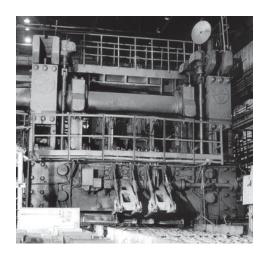
Company	Metallurgical works, Częstochowa
Application	Cutting head and tail ends, cutting to length
Туре	stationary
Drive	electromechanical
Cut plate specification: - plate thickness, mm - plate width, mm	up to 40 up to 3450
Material tensile strength, MPa	1200
No. of cut per minute	up to 7
Mouth of shears, mm	137
Cutting force, MN	12



Metallurgical works, Częstochowa (Poland) Commissioned in 1971.

Specification

Company	«Ilyich Iron and Steel Works of Mariupol 3000-mm plate mill
Application	Cutting head and tail ends, cutting to length
Туре	Stationary
Drive	Electromechanical
Cut plate specification: - plate thickness, mm - plate width, mm	525 6502850
Material tensile strength, MPa	up to 900
Temperature, °C	up to 800
No. of cuts per minute	up to 9
Mouth of shears, mm	97
Cutting force, MN	7



Illyich Iron and Steel Works of Mariupol, commissioned 1983.

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GUILLOTINE CROSS-CUTTING SHEARS WITH HERRINGBONE CUT



Specification

Company	"Magnitogorsk Iron and Steel Works"AПР 525x2350
Application	cutting front and tail ends of sheet (strip)
Туре	Stationary
Drive	Hydraulic
Cut plate specification: - plate thickness, mm - plate width, mm - max. tensile strength, MPa	525 10002350 1000
Cutting force, MH	6,3
Upper herringbone blade tilt angle, deg.	3

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GUILLOTINE CROSS-CUTTING SHEARS



Specification

Company	PrSC "Donetsksteel" – metallurgical plant", Donetsk
Application	cutting sheets to narrow candy
Туре	stationary
Drive	electromechanical
Cut plate specification: - plate thickness, mm - plate width, mm - Tensile strength of the material, MPa	8,10,12 500750 370480
Width of candy, mm	20 ± 0.5
Max. No. of cuts per minute	24
Mouth of shears, mm	60
Cutting force, max. MN	0,75

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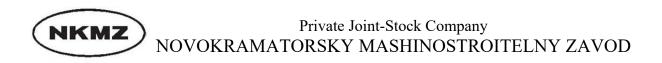
STRIP-CUTTING SHEARS



Specification

Company	"TTZ", Tashkent (Uzbekistan), 450- mm section mill
Application	cutting head end of the strip upstream of finishing rolling
Туре	stationary
Drive	hydraulic
Cut strip specification: - strip thickness, mm - strip width, mm - max. tensile strength at rolling t, MPa	1020 160320 70
Cutting force, MN	0,26
Temperature of cut strip, °C	9501000

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FLYING DRUM-TYPE CROSS-CUTTING SHEARS



Specification

Specification	
Company	"Magnitogorsk Iron and Steel Works", 2500-mm hot rolling mill
Application	cutting head and tail ends of moving semi- finished rolled products, fed into finishing train
Туре	flying
Drive	electromechanical
Cut strip specification: - strip thickness, mm - strip width, mm - max. tensile strength at rolling t, MPa - temperature, °C	2565 10002350 80 8501100
Cutting force, MN	5,3
Max. resultant torque, kNm	2400
Strip movement speed, m/s	0,32,5
Plan form of strip head end – herringbone with height of, mm	50
Plan form of strip tail end	straight line

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FLYING DRUM-TYPE CROSS-CUTTING SHEARS



Specification

Specification	
Company	"Severstal", Cherepovets, НПР No.3
Application	Cutting strip to length
Туре	Flying
Drive	electromechanical
Material of cut strip	Carbon steel
Tensile strength of the material, MPa	up to 650
Strip thickness, mm	0,5-2,5
Strip width, mm	5001600
Length of cut sheets, mm	5006000
Allowance on the length of cut sheets, mm	0+1
Working speed of strip movement, m/s	0,5-5
Blade cutting edge trajectory diameter, mm	760
Cutting force, MN	0,361

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FLYING GUILLOTINE CROSS-CUTTING SHEARS WITH HERRINGBONE CUT



Specification

"Magnitogorsk Iron and Steel Works", AПР 525x2350
Cutting strip to length
Flying
Hydraulic
525 10002350 1000
Sheets with length of 312 m
6,3
0,20,6
3500
3

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