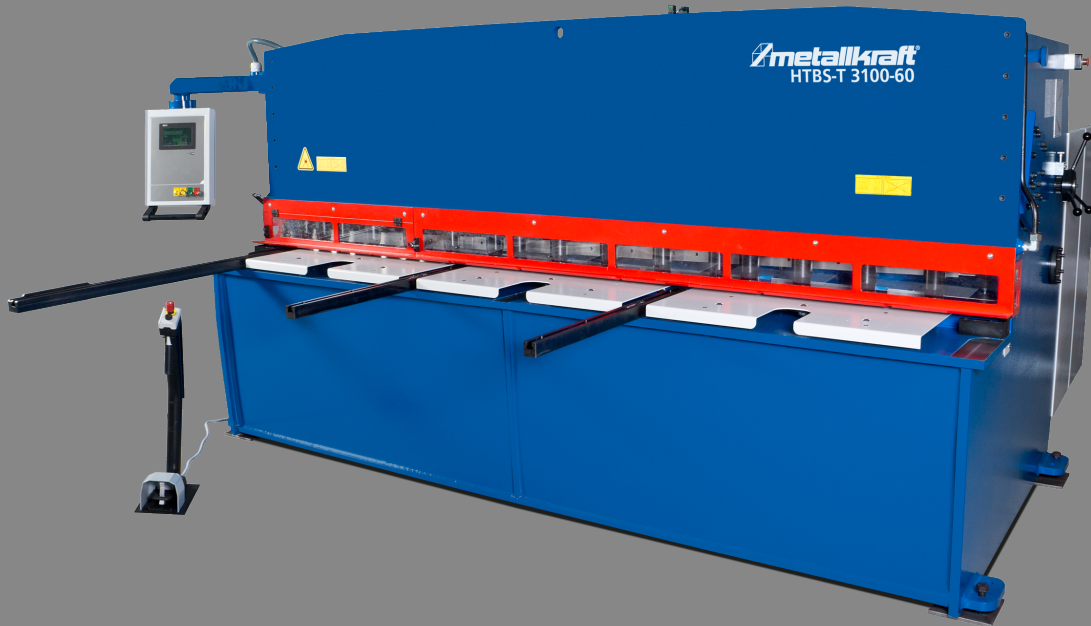


Cutting/shears



Circular shears/Guillotine shears

KS – circular shears for steel up to 2.0 mm

- Suitable for cutting metals, cardboard and other materials
- Extremely stable and rugged design made of cast iron
- Knives made of cold-worked steel K2379, bronze bearings
- Hardened, regrindable knives

KS 2

- motorised
- Motor brake
- Central lubrication
- Inner diameter cutting system
- Mobile control panel with foot pedal



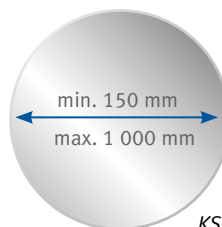
KS 1



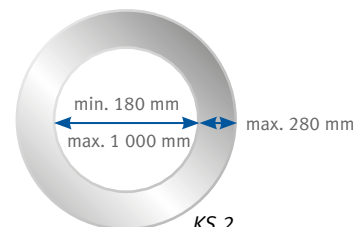
KS 2

Model	KS 1	KS 2
Art. no.	3811001	3811002
Technical specifications		
Max. cutting diameter	1 000 mm	1 000 mm
Max. cutting thickness	1.0 mm	2 mm
Cutting speed	-	7.5 m/min.
Motor output	-	1.1 kW
Electrical connection	-	400 V / 50 Hz
Throat depth	600 mm	700 mm
Throat	200 mm	280 mm
Weight	45 kg	350 kg
Dimensions (L x W x H)	1 200 x 200 x 350 mm	1 400 x 400 x 1 150 mm

Performance data for material with tensile strength of 400 N/mm²



KS 1



KS 2

Accessories KS 1	Art. no.
Set of spare blades	3880150
Accessories KS 2	Art. no.
Set of spare blades	3880156

BSS 1000 – Guillotine shears for sheet metal, paper and other materials, foldable chassis

- Ideal for craftsmen on the road
- Stable and robust design
- Compact dimensions due to foldable chassis
- Easy to transport
- For steel sheet up to 1.2 mm and rolls with a width of up to 1 020 mm
- The standard blank holder ensures good cutting results
- Optimal price-performance ratio



BSS 1000
with foldable chassis



Model	BSS 1000
Art. no.	3741100
Technical specifications	
Max. cutting width	1 020 mm
Max. sheet thickness*	1.20 mm
Dimensions (L x W x H)	1 830 x 550 x 1 225 mm
Weight	97 kg

*Performance data for material with tensile strength of 400 N/mm²

Accessories	Art. no.
Lateral stop BSS 1000	3760110
Replacement knife BSS 1000	3760111



BSS – Manual guillotine shears, heavy-duty type

- ▶ For steel sheet up to 1.5 mm and rolls with a width of up to 1 250 mm
- ▶ Extremely stable and heavy design made of cast iron
- ▶ Open construction type
- ▶ Large cast work table
- ▶ Standard blank holder ensures good cutting results
- ▶ Removable mitre stop on work table
- ▶ Lateral stop adjustable via crank
- ▶ Optimal price-performance ratio



BSS
Manual guillotine shears

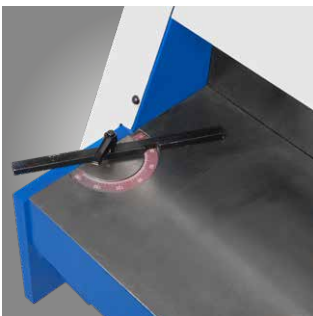
Model	BSS 1020 E	BSS 1250 E
Art. no.	3816001	3816002
Technical specifications		
Max. cutting width	1 050 mm	1 250 mm
Max. sheet thickness*	1.50 mm	1.50 mm
Stop area	0 - 600 mm	0 - 600 mm
Rear stop width	790 mm	790 mm
Work table	600 x 1280	600 x 1 530
Dimensions in mm	2 000 x 850 x 1 500	2 450 x 1 000 x 1 820
Weight	435 kg	490 kg

*Performance data for material with tensile strength of 400 N/mm²

Accessories	Art. no.
Replacement knife BSS 1020	3880300
Replacement knife BSS 1250	3880301

TBS – Manual precision sheet metal shears

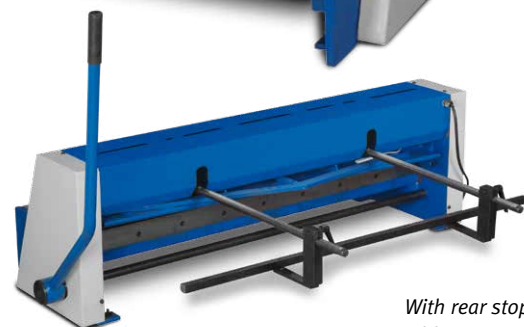
- ▶ For cutting metals, paper, plastic and other materials
- ▶ Mitre stop on front
- ▶ Tempered knife
- ▶ Rear stop with scale



TBS
Manual precision
guillotine shears

Model	TBS 650-12 T	TBS 1050-10 T
Art. no.	3776165	3776111
Technical specifications		
Max. working width	650 mm	1 050 mm
Max. sheet thickness*	1.25 mm	1.00 mm
Rear stop area	0 – 500 mm	0 – 500 mm
Weight	100 kg	160 kg
Dimensions (L x W x H)	970 x 470 x 540 mm	1 370 x 480 x 580 mm

*Performance data for material with tensile strength of 400 N/mm²



With rear stop
500 mm as standard

Accessories	Art. no.
Standard knife TBS 650-12 T	3760065
Standard knife TBS 1050-10 T	3761050

Guillotine shears

Manual sheet metal shears TBS – suitable for cutting steel, non-ferrous metals and plastics

- ▶ Suitable for cutting steel, aluminium and copper
- ▶ Premium knife made of steel with a hardness of HRC55-60
- ▶ Equipped with two operating handles
- ▶ Front support surface with scale
- ▶ Rear stop adjustable up to 300 mm



Features

- › Rear stop
- › Two control handles

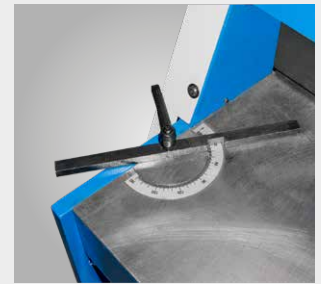
Model		TBS 1501-15	TBS 2001-12
Art. no.		3746015	3746020
Technical specifications			
Max. working width	mm	1 500	2000
Sheet thickness (400 N/mm ²) max.*	mm	1.5	1.25
Sheet thickness (700 N/mm ²) max.	mm	0.75	0.62
Rear stop adjustment range up to	mm	300	
Rear stop width	mm	485	
Table height	mm	800	
Length x width x height	mm	1 950 x 1 100 x 1 050	2 450 x 1 100 x 1 050
Weight	kg	445	511

Accessories	Art. no.
Replacement knife set TBS 1501-15	3746910
Replacement knife set TBS 2001-12	3746911
Special knife set for cutting stainless steel TBS 1501-15	3746915
Special knife set for cutting stainless steel TBS 2001-12	3746916

*Performance data for material with tensile strength of 400 N/mm²; cutting capacity VA steel: factor 0.5

Sheet metal shears with foot pedal FTBS 1050-10 – suitable for cutting metals and non-ferrous metals

- ▶ Stable and rugged welded design
- ▶ Foot operation means that both hands are free for feeding in the material
- ▶ Premium knife
- ▶ Angle-adjustable side stop with millimetre scale
- ▶ Maximum safety thanks to hold down unit which also protects the fingers.
- ▶ Rear stop adjustable up to 500 mm



▶ Angle-adjustable side stop with millimetre scale

Features

- › Rear stop
- › Angle-adjustable side stop with millimetre scale
- › Foot pedal

Model		FTBS 1050-10
Art. no.		3772910

Technical specifications		
Working width	mm	1 050
Sheet thickness (400 N/mm ²) max.	mm	1.00
Rear stop adjustment range up to	mm	500
Length x width x height	mm	1 160 x 730 x 930
Weight	kg	175

Accessories	Art. no.
Replacement knife FTBS 1050-10	3772911

Guillotine shears

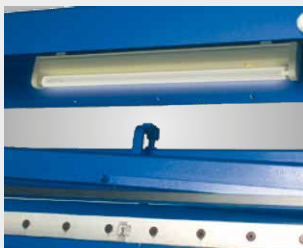
FTBS M – Manually supported sheet metal shears with foot operation.
Universally deployable in industrial and trade applications



- ▶ Stable, rugged welded design
- ▶ Suitable for cutting metals and non-ferrous metals
- ▶ Foot operation means that both hands are free for feeding in the material
- ▶ Generously dimensioned Plexiglas view window
- ▶ Premium steel blade bar
- ▶ Slotted guide system
- ▶ Easy adjustment of the knife via eight screws
- ▶ Angle-adjustable side stop with millimetre scale
- ▶ Cutting line lighting as standard
- ▶ Optimal price-performance ratio



▶ Angle-adjustable side stop (included in scope of supply)



▶ With cutting line lighting as standard



▶ With rear stop as standard



FTBS 1300-12 M

FTBS M - Manual foot-operated guillotine shears

Model	FTBS 1050-12 M	FTBS 1300-12 M
Art. no.	3753012	3753013
Technical specifications		
Max. working width	1 030 mm	1 300 mm
Max. sheet thickness*	1.25 mm	1.25 mm
Cutting angle	3°	3°
Rear stop	550 mm	550 mm
Lateral stop	200 mm	200 mm
Cuts per min.	-	-
Weight	148 kg	200 kg
Dimensions L x W x H	1 380 x 880 x 1 300	1 790 x 510 x 1 290

*Performance data for material with tensile strength of 400 N/mm²

Accessories	Art. no.
Replacement knife FTBS 1050-12 M	3760312
Replacement knife FTBS 1300-12 M	3760313

FTBS P – Pneumatic sheet metal shears

Universally deployable in industrial and trade applications



- ▶ P version with 2 pneumatic servo-cylinders and footswitch
- ▶ Stable and rugged welded design
- ▶ Suitable for cutting metals and non-ferrous metals
- ▶ Foot operation means that both hands are free for feeding in the material
- ▶ generously dimensioned Plexiglas view window
- ▶ Premium steel knife
- ▶ Slotted guide system
- ▶ Easy adjustment of the knife via eight screws
- ▶ Angle-adjustable side stop with millimetre scale
- ▶ Cutting line lighting as standard
- ▶ Optimal price-performance ratio



FTBS 1050-15 P



▶ With safety equipment as standard

FTBS P - pneumatic foot-operated guillotine shears

Model	FTBS 1050-15 P	FTBS 1050-20 P	FTBS 1300-15 P	FTBS 1300-20 P
Art. no.	3754015	3754020	3755015	3755020
Technical specifications				
Max. working width	1 030 mm	1 030 mm	1 330 mm	1 330 mm
Max. sheet thickness*	1.50 mm	2.00 mm	1.50 mm	2.00 mm
Cutting angle	3°	3°	3°	3°
Rear stop	550 mm	550 mm	550 mm	550 mm
Lateral stop	200 mm	200 mm	200 mm	200 mm
Cuts per min.	22	15	21	14
Weight	270 kg	280 kg	300 kg	310 kg
Dimensions L x W x H	1 490 x 1 250 x 1 290	1 490 x 1 250 x 1 290	1 790 x 1 250 x 1 290	1 790 x 1 250 x 1 290

*Performance data for material with tensile strength of 400 N/mm² **Please turn over for descriptions of the transport surcharges. Price TPFR plus VAT

Accessories

Accessories	Art. no.
Replacement blade FTBS 1050	3760312
Replacement blade FTBS 1300	3760313
Replacement blade FTBS 2000	3760314

Motorised guillotine shears

MTBS – Motorised guillotine shears

- ▶ Stable and rugged welded design
- ▶ Suitable for cutting metals and non-ferrous metals
- ▶ Premium blades
- ▶ Angle-adjustable side stop with millimetre scale
- ▶ Maximum safety thanks to hold down unit which also protects the fingers.
- ▶ 500 mm rear stop



MTBS 1050-10
With optional chassis



Angle-adjustable side stop with millimetre scale



- Scope of delivery:**
- › Rear stop 0 - 500 mm
 - › Angle stop with millimetre scale
 - › Protective grille

Model	MTBS 1050-10
Art. no.	3772915

Technical specifications	
Working width	1 050 mm
Max. sheet thickness*	1.00 mm
Rear stop	500 mm
Strokes per minute	55
Motor output	0.75 kW
Electrical connection	400 V / 50 Hz
Dimensions	1 400 x 65 x 650 mm
Weight	238 kg

*Performance data for material with tensile strength of 400 N/mm²

Accessories	Art. no.
Replacement knife MTBS 1050-10	3772916
Chassis MTBS 1050-10	3772917

MTBS E – Motorised guillotine shears

- ▶ Heavy-duty, stress-free welded steel design
- ▶ Premium knife
- ▶ Two long sheet support arms for large workpieces
- ▶ Manual rear stop 630 mm with adjustment option with millimetre precision
- ▶ Cutting line lighting and slots in upper cover plate for an optimum view of the cutting edge and for cutting along marks
- ▶ Light barrier for rear stop area
- ▶ Foot operation means that both hands are free for feeding in the material



MTBS 1255-30 E

Scope of delivery:

- › Sheet support arms
- › Lateral stop
- › Manual rear stop
- › Foot-operated

Model	MTBS 1255-30 E	MTBS 1255-40 E	MTBS 2055-30 E	Replacement blade	Art. no.
Art. no.	3757013	3757014	3757023	MTBS 1255-30 E	3757910
				MTBS 1255-40 E	3757911
				MTBS 2055-30 E	3757912
Technical specifications				Special knife set for cutting stainless steel	Art. no.
Working width	1 250 mm	1 250 mm	2 050 mm	MTBS 1255-30 E	3757920
Sheet thickness (400 N/mm ²) max.*	3 mm	4 mm	3 mm	MTBS 1255-40 E	3757921
Sheet thickness (700 N/mm ²) max.	1.5 mm	2 mm	1.5 mm	MTBS 2055-30 E	3757922
Cutting angle	2°	2.4°	2°		
Number of sheet support arms	2 units	2 units	3 units		
Rear stop adjustment range up to	630 mm	630 mm	630 mm		
Strokes per min.	30	30	30		
Motor output 400 V / 50 Hz	3 kW	4 kW	4 kW		
Weight	850 kg	1 185 kg	1 520 kg		
Dimensions (L x W x H) mm	1 682 x 1 477 x 1 100	1 712 x 1 605 x 1 190	2 495 x 1 610 x 1 190		

*Performance data for material with tensile strength of 400 N/mm²; cutting capacity stainless: factor 0.5

Technical and visual changes reserved

Magnetic drilling

Deburring

Metal grinding

Cutting

Notching & punching

Bending

Presses

Circular saws

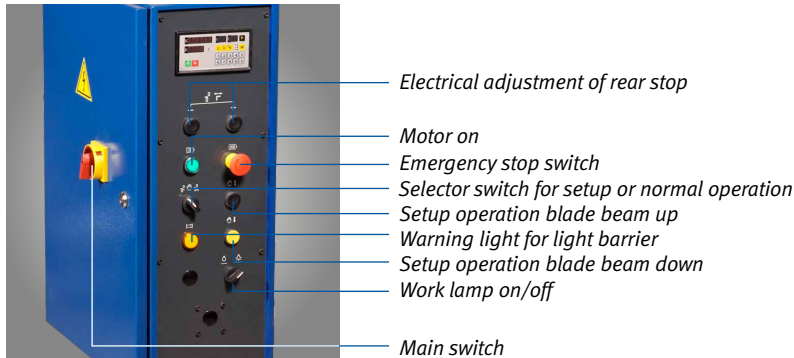
Roller conveyors

Metal-cutting band saws

Motorised guillotine shears

MTBS B – Motorised sheet metal shears with NC-controlled rear stop

- ▶ Heavy-duty, rugged welded design
- ▶ Slot-guided top beam with adjustable flat guides
- ▶ Manual cutting kerf adjustment
- ▶ LED cutting line lighting and slots in upper cover for an optimum view of the cutting edge and for cutting along marks
- ▶ Transfer roller bearings on support table for convenient material handling
- ▶ Solid 90° lateral stop with length of 1 000 mm, T-slot, tilting cam and scale
- ▶ Two solid sheet support arms with T-slots and tilting cams
- ▶ Motorised, NC-controlled rear stop, 750 mm travel range
- ▶ Rear stop drive with frequency inverter, brake motor and ball screws
- ▶ Premium rotatable knife, suitable for cutting stainless steel
- ▶ Heavy hold-down bar with rubber inserts to protect the material
- ▶ Rear area protected by light curtain
- ▶ Operated via mobile foot pedal console with emergency stop



Technical specifications	MTBS 1350-30 B	MTBS 1540-40 B	MTBS 2100-40 B	MTBS 2550-40 B	MTBS 3130-30 B
Art. no.	3815513	3815515	3815520	3815525	3815530
Max. working width	1 350 mm	1 540 mm	2 050 mm	2 550 mm	3 050 mm
Sheet thickness (400 N/mm ²)	3.0 mm	4.0 mm	4.0 mm	4.0 mm	3.0 mm
Sheet thickness (700 N/mm ²)	1.5 mm	2.5 mm	2.5 mm	2.5 mm	1.5 mm
Rear stop	750 mm	750 mm	750 mm	750 mm	750 mm
Cutting angle	2.2°	2.0°	1.8°	1.8°	1.5°
Cuts per min.	40	40	38	38	38
Motor output 400 V / 50 Hz	3 kW	5.5 kW	7.5 kW	7.5 kW	7.5 kW
Weight	1 150 kg	2 200 kg	2 600 kg	3 000 kg	3 600 kg
Dimensions (L x W x H) mm	1 920 x 1 920 x 1 110	2 170 x 2 160 x 1 280	2 730 x 2 160 x 1 280	3 170 x 2 160 x 1 280	3 760 x 2 160 x 1 280



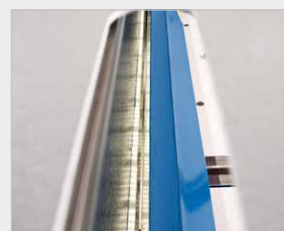
MTBS 2100-40 B
(with optional small parts chute and drawer)



MTBS 2100-40 B (with optional
thin sheet holding device)



Work table with support arms
and transfer roller bearings



Cutting line lighting and view
slots



Drawer



Pneumatic thin sheet support
device



Small parts chute

Options (only available ex works)	Art. no.
Small parts flap for discharge towards front with drawer (max. 300 x 300 mm)	3887200
Pneumatic thin sheet support device	3887201
Central lubrication via manual pump	3887210
Extension of motorised rear stop from 750 mm to 1 000 mm	3887211

Accessories	Art. no.
Adjustable angle stop 0-180°	3887220

Replacement blade kit	Art. no.
Replacement knife set MTBS 1350-30 B	3887240
Replacement knife set MTBS 1540-40 B	3887241
Replacement knife set MTBS 2100-40 B	3887242
Replacement knife set MTBS 2550-40 B	3887243
Replacement knife set MTBS 3130-30 B	3887244

Motorised sheet metal shears

MTBS – Motorised sheet metal shears, heavy-duty type, foot-operated

Standard type

- ▶ Heavy-duty, stress-free welded steel design
- ▶ Low-noise cutting operation thanks to brake motor and gear unit
- ▶ Motorised rear stop 750 mm (MTBS-D)
- ▶ Rear stop drive with play-free ball screws and linear guides (MTBS-D)
- ▶ Manual rear stop 550 mm (MTBS)
- ▶ All moving parts with low-maintenance bearings
- ▶ Premium rotatable knife, suitable for cutting stainless steel
- ▶ Digital position display for motorised rear stop (MTBS-D)
- ▶ Cutting kerf adjustment on the front of the machine (MTBS-D)
- ▶ Slot guided upper beam
- ▶ Operated via mobile foot switch with emergency stop switch
- ▶ Rear stop area safeguarded by light barrier
- ▶ Hold-down bar with plastic inserts
- ▶ Lateral stop with scale and 2 sheet support arms



Electrical adjustment of rear stop

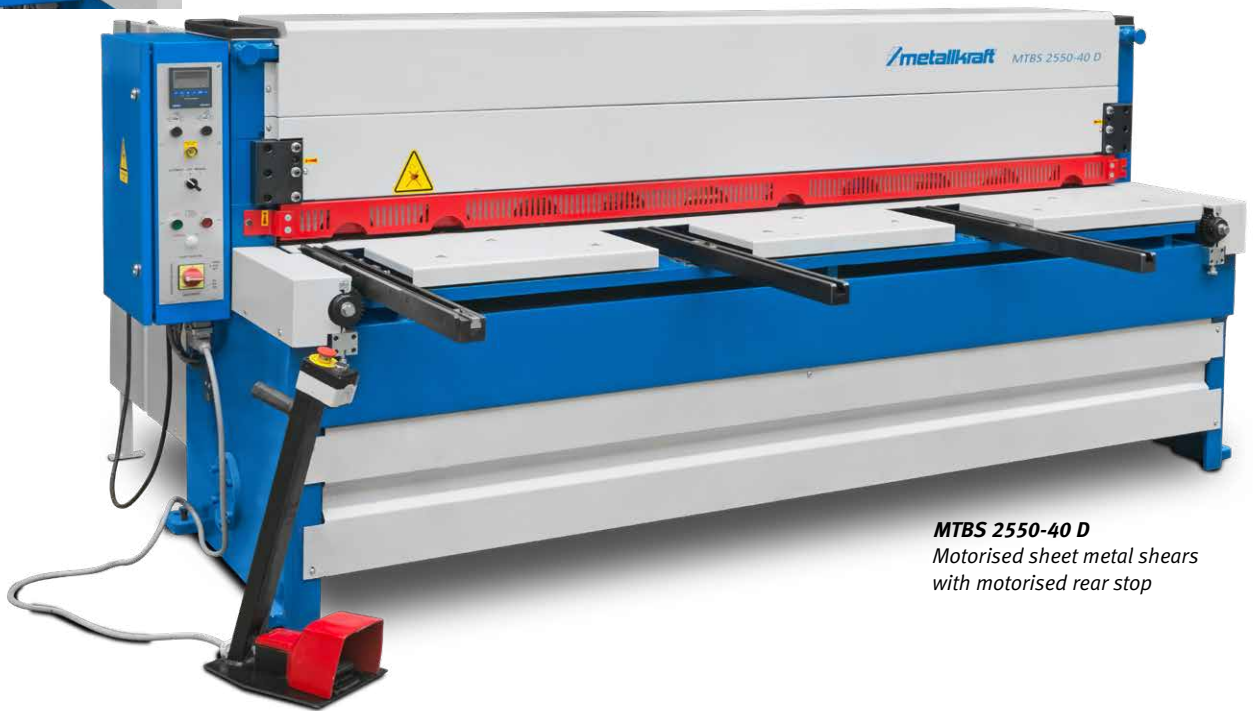
Selector switch for setup or normal operation

Motor on

Motor off

Mains power indicator

Main switch



MTBS 2550-40 D
Motorised sheet metal shears
with motorised rear stop

MTBS - motorised sheet metal shears with manual rear stop

Technical specifications	Max. working width	Max. sheet thickness*	Cutting angle	Rear stop	Cuts per min.	Motor output	Weight	Dimensions LxWxH	Art. no.			
MTBS 1350-30	1 350 mm	3.0 mm	2° 30'	550 mm	35	3.0 kW	1 100 kg	1 920 x 1 350 x 1 200	3815101			
MTBS 2050-30	2 050 mm	3.0 mm	2° 12'	550 mm	35	3.0 kW	1 300 kg	2 400 x 1 350 x 1 200	3815102			
MTBS 2550-25	2 550 mm	2.5 mm	1° 30'	550 mm	35	3.0 kW	1 400 kg	2860 x 1 350 x 1 200	3815103			

MTBS D - motorised guillotine shears with motorised rear stop

Technical specifications	Max. working width	Max. sheet thickness*	Cutting angle	Rear stop	Cuts per min.	Motor output	Weight	Dimensions LxWxH	Art. no.			
MTBS 2050-40 D	2 050 mm	4.0 mm	1° 30'	750 mm	42	7.5 kW	2 800 kg	2 550 x 2 260 x 1 330	3815201			
MTBS 2550-40 D	2 550 mm	4.0 mm	1° 30'	750 mm	42	7.5 kW	3 230 kg	3 050 x 2 260 x 1 330	3815202			
MTBS 3100-40 D	3 100 mm	4.0 mm	1° 30'	750 mm	42	7.5 kW	3 730 kg	3 650 x 2 260 x 1 330	3815203			

*Performance data for material with tensile strength of 400 N/mm²

Custom accessor

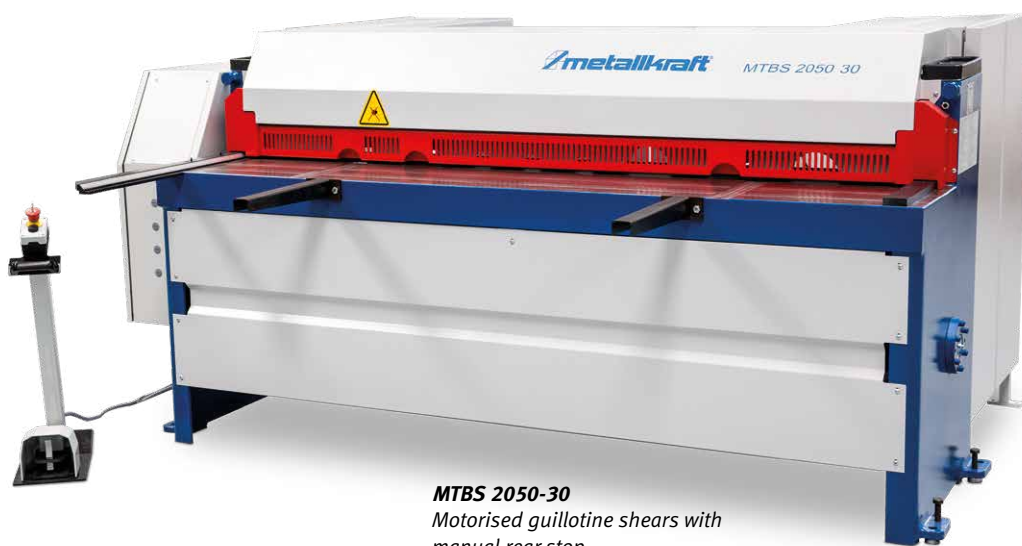
- ▶ Pneumatic thin sheet support device
- ▶ Motorised rear stop (standard with MTBS-D)
- ▶ NC control for motorised rear stop (MTBS-D)
- ▶ Motorised rear stop 1 000 mm
- ▶ Cutting line lighting (MTBS-D)
- ▶ Mitre stop
- ▶ Extended lateral stop with sheet support arms



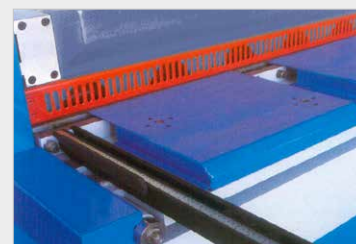
Option *

NC controller D-Touch 7 for MTBS

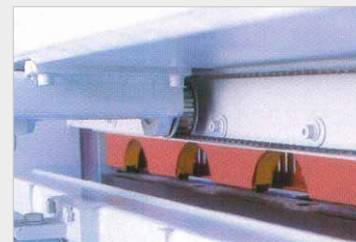
- ▶ Unlimited program and single cut definitions
- ▶ Automatic machine stop on reaching the programmed cuts
- ▶ Display of completed and programmed steps



MTBS 2050-30
Motorised guillotine shears with manual rear stop



- ▶ Support table with ball transfer units ensure easy feeding that is gentle on the material (MTBS-D)



- ▶ Motorised rear stop 750 mm (optionally also with 1 000 mm MTBS-D)



- ▶ The pneumatic thin sheet support device prevents the sheet bending after the cutting edge when cutting thin material and thus guarantees maximum stop precision (optional)



- ▶ Manual rear stop with adjustment option with millimetre precision (MTBS)

Accessories	Art. no.
Replacement knife MTBS 1350-30	3880036
Replacement knife MTBS 2050-30	3880037
Replacement knife MTBS 2550-25	3880038
Replacement blade MTBS 2050-40 D	3880046
Replacement blade MTBS 2550-40 D	3880047
Replacement blade MTBS 3100-40 D	3880048

Accessories for MTBS 2050-40 D, MTBS 2550-40 D, MTBS 3100-40 D	Art. no.
Lateral stop with T grooves, scale and tilt stop 2 000 mm	3880001
Lateral stop with T grooves, scale and tilt stop 3 000 mm	3880002
Side stop extension 2 000 mm	3880003
Side stop extension 3 000 mm	3880004
Angle-adjustable side stop 0-180°	3880005

Surcharge for optional equipment	Art. no.
Pneumatic thin sheet support device for	
MTBS 1350	3880006
MTBS 2050/ MTBS 2050 D	3880007
MTBS 2550/ MTBS 2550 D	3880008
MTBS 3100/ MTBS 3100 D	3880009
Motorised rear stop 750 mm with digital display MTBS	3880010
Cutting line lighting for D models (only for 3815201, 3815202 and 3815203)	3880044
Motorised rear stop 1 000 mm for	
for MTBS	3880013
for MTBS D	3880014
NC controller D-Touch 7 for MTBS	3880000

*Optional equipment is not retrofittable

Motorised sheet metal shears

MTBS-T – Motorised sheet metal shears with NC-controlled rear stop, sheet metal discharge at front and rear and manual cutting kerf adjustment

- ▶ Rear stop guided on round shafts, driven via play-free ball screws
- ▶ Positioning control of rear stop Maper HT071 with digital dimension display
- ▶ Heavy and robust welded steel construction
- ▶ Constant, low cutting angle for optimal cutting results
- ▶ Lateral stop 1 000 mm with scale and T-slot
- ▶ 2 material support arms 500 mm with T-slot
- ▶ Balls in support table for easier material transport
- ▶ Cutting kerf adjustment by means of vernier scale rings
- ▶ Premium blade, suitable for stainless steel
- ▶ LED lighting of the cutting area
- ▶ Finger protection device throughout
- ▶ Mobile foot pedal with EMERGENCY OFF switch
- ▶ All moving parts with low-maintenance bearings
- ▶ Electrics by "Siemens" and "Schneider"
- ▶ Operating instructions with CE Declaration of Conformity



scope of delivery MTBS

LED cutting line lighting

Transfer roller bearings on support table

Solid 90° lateral stop with length of 1 000 mm, T-slot, tilting cam and scale

Motorised, NC-controlled rear stop, 750 mm travel range

Technical specifications	MTBS 1350-30 T	MTBS 1540-40 T	MTBS 2100-40 T	MTBS 2550-40 T	MTBS 3130-30 T	MTBS 3130-40 T
Art. no.	3815613	3815615	3815620	3815625	3815630	3815631
Working width	1 320 mm	1 530 mm	2 090 mm	2 530 mm	3 100 mm	3 080 mm
Sheet thickness (450 N/mm ²)	3 mm	4 mm	4 mm	4 mm	3 mm	4 mm
Sheet thickness (700 N/mm ²)	1.5 mm	2.5 mm	2.5 mm	2.5 mm	1.5 mm	2.5 mm
Rear stop travel range	600 mm	750 mm	750 mm	750 mm	750 mm	750 mm
Rear stop speed	28 mm/s	28 mm/s	28 mm/s	28 mm/s	28 mm/s	28 mm/s
Side stop length	1 000 mm	1 000 mm	1 000 mm	1 000 mm	1 000 mm	1 000 mm
Cutting angle	2.2°	2°	1.8°	1.8°	1.5°	1.5°
Cuts per min.	40	40	38	38	38	38
Number of sheet support arms	2 units	2 units	2 units	2 units	3 units	3 units
Cutting kerf adjustment min.	0.05 mm	0.05 mm	0.05 mm	0.05 mm	0.05 mm	0.05 mm
Cutting kerf adjustment max.	0.3 mm	0.4 mm	0.4 mm	0.4 mm	0.3 mm	0.4 mm
Motor output rear stop	0.37 kW	0.37 kW	0.37 kW	0.37 kW	0.37 kW	0.37 kW
Output 400 V / 50 Hz	3 kW	5.5 kW	7.5 kW	7.5 kW	7.5 kW	7.5 kW
Dimensions (L x W x H) in mm	2 070 x 2 120 x 1 110	2 320 x 2 360 x 1 280	2 880 x 2 360 x 1 280	3 320 x 2 360 x 1 280	3 910 x 2 360 x 1 280	3 910 x 2 500 x 1 500
Weight	1 190 kg	2 240 kg	2 650 kg	3 050 kg	3 660 kg	5 000 kg

*Performance data for material with tensile strength of 400 N/mm²; cutting capacity VA steel: factor 0.5



MTBS 2550-40 T

Factory options Art. no.

Central lubrication via manual pump	3887210
Extension of motorised rear stop from 750 mm to 1 000 mm	3887211

Accessories Art. no.

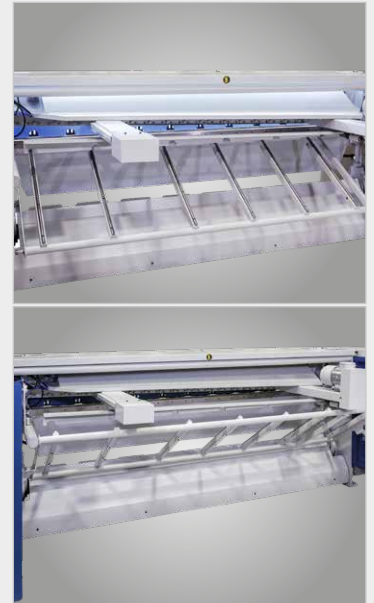
Adjustable angle stop 0-180°	3887220
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Replacement blade kit Art. no.

For MTBS 1350-30 T	3887240
For MTBS 1540-40 T	3887241
For MTBS 2100-40 T	3887242
For MTBS 2550-40 T	3887243
For MTBS 3130-30 T	3887244
For MTBS 3130-40 T	3887245

Mobile sheet stacker truck up to 300 kg Art. no.

For MTBS 1350-30 T	3887225
For MTBS 1540-40 T	3887226
For MTBS 2100-40 T	3887227
For MTBS 2550-40 T	3887228
For MTBS 3130-30 T	3887229
For MTBS 3130-40 T	3887229



► Pneumatic sheet holder with selection lever for the sheet shoot direction. The user can select whether the cut-off is discharged to the rear or operator side



► Rear area safeguards to CE standard with side panels and light barrier



► Control panel of left side of machine



► Selection lever for sheet discharge at front or rear

Magnetic drilling

Deburring

Metal grinding

Cutting

Notching & punching

Bending

Presses

Circular saws

Roller conveyors

Metal-cutting band saws

Hydraulic swing cut guillotine shears

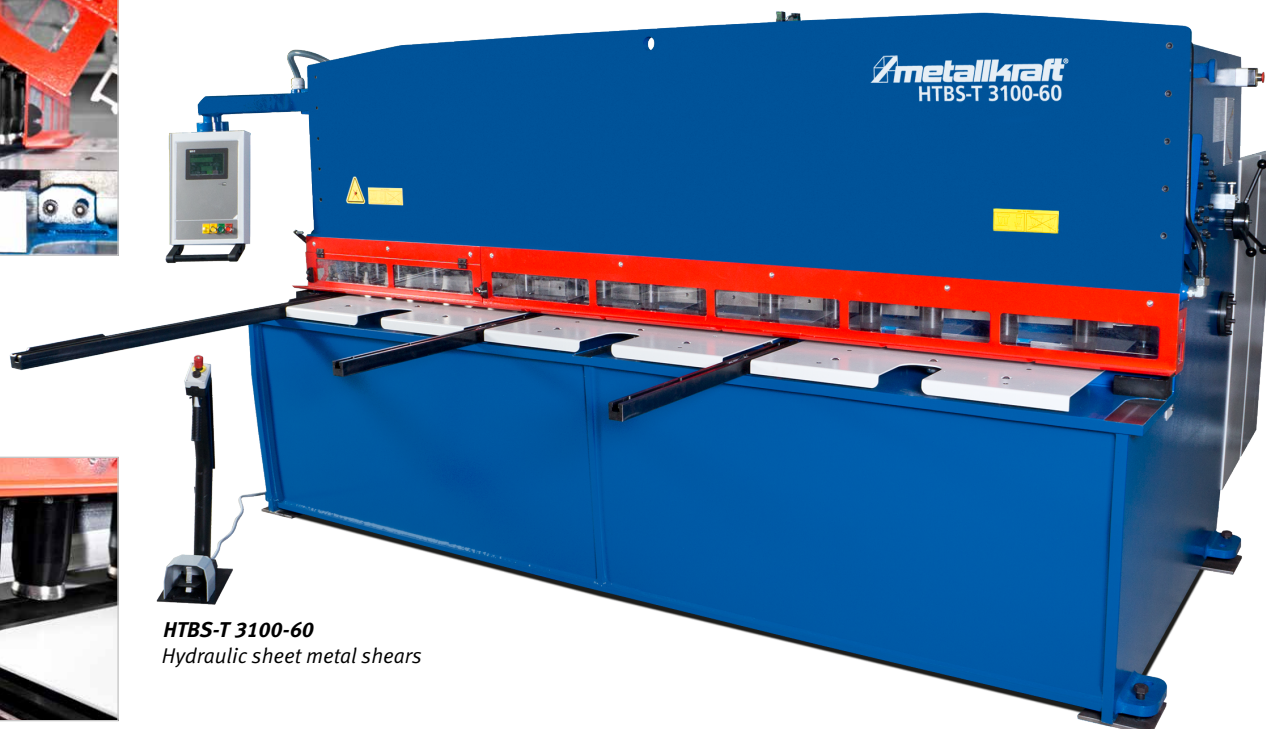
HTBS-T – Hydraulically NC-controlled sheet metal shears, heavy-duty type

Standard type

- ▶ Very heavy welded steel design
- ▶ Low cutting angle for optimum results
- ▶ Motorised rear stop 1 000 mm
- ▶ Rear stop driven via play-free ball screws, guided on linear rails
- ▶ Rear stop easily positioned via NC controller D-Touch 7
- ▶ Fold-up, split finger protection guard 1 000 mm
- ▶ Ergonomically arranged, pivoting control panel

- ▶ Operated via mobile foot switch with emergency stop switch
- ▶ Manual cutting kerf adjustment via lever with scale on right side of machine
- ▶ Rear stop area safeguarded by light barrier
- ▶ Lighting with cutting line display
- ▶ Blank holder arranged close to cutting edge
- ▶ Easy handling of sheet metal via ball transfer units in table

- ▶ One angle stop 1 500 mm and two sheet support arms 1 000 mm (three sheet support arms for machines as of 4 m)
- ▶ Premium rotatable knife, suitable for cutting stainless steel
- ▶ Premium components by Bosch, Rexroth, Hydac, Siemens, Telemecanique



HTBS-T 3100-60
Hydraulic sheet metal shears

Model	HTBS-T 3100-60	HTBS-T 3100-100	HTBS-T 3100-130	HTBS-T 3100-160	HTBS-T 4100-60	HTBS-T 4100-130
Art. no.	3825306	3825310	3825313	3825316	3825406	3825413
Technical data						
Cutting length (A)	3 100 mm	3 100 mm	3 100 mm	3 100 mm	4 100 mm	4 100 mm
Cutting performance (450 N/mm ²)	6 mm	10 mm	13 mm	16 mm	6 mm	13 mm
Cutting performance (700 N/mm ²)	4 mm	6 mm	8 mm	10 mm	4 mm	8 mm
Stand throat (D)	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm
max. strokes per minute for full cutting length	15	13	13	10	12	8
Cutting angle	1.30°	1.30°	1.45°	2°	1.30°	1.45°
Cutting kerf adjustment min.	0.05 mm	0.05 mm	0.05 mm	0.07 mm	0.05 mm	0.05 mm
Cutting kerf adjustment max.	0.75 mm	1.05 mm	1.45 mm	1.80 mm	0.75 mm	1.45 mm
Table height (C)	865 mm	865 mm	845 mm	818 mm	865 mm	818 mm
Table depth (B)	500 mm	580 mm	600 mm	550 mm	580 mm	550 mm
Table length (R)	3 515 mm	3 515 mm	3 550 mm	3 580 mm	4 510 mm	4 620 mm
Number of blank holders	16	16	16	14	20	18
Blank holder pressure	14 t	22 t	37 t	61 t	17 t	62 t
Rear stop adjustment range	1 000 mm	1 000 mm	1 000 mm	1 000 mm	1 000 mm	1 000 mm
Motor output rear stop	0.75 kW	0.75 kW	0.75 kW	0.75 kW	0.75 kW	0.75 kW
Rear stop speed	120 mm/sec.	120 mm/sec.	120 mm/sec.	120 mm/sec.	120 mm/sec.	120 mm/sec.
Driving power	15 kW	22 kW	30 kW	37 kW	15 kW	30 kW
Electrical connection	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Oil tank capacity	200 l	200 l	330 l	410 l	200 l	330 l
Number of sheet support arms	2	2	2	2	3	3
Length (L)	4 110 mm	4 200 mm	4 280 mm	4 550 mm	5 230 mm	5 350 mm
Depth (W1)	2 200 mm	2 250 mm	2 300 mm	2 250 mm	2 300 mm	2 250 mm
Overall depth (W)	3 700 mm	3 600 mm	3 600 mm	3 825 mm	3 600 mm	3 850 mm
Height (H)	2 100 mm	2 100 mm	2 350 mm	2 250 mm	2 150 mm	2 250 mm
Weight	7 650 kg	9 300 kg	12 500 kg	15 000 kg	11 750 kg	16 300 kg

All hydraulic sheet metal shears are supplied with oil.

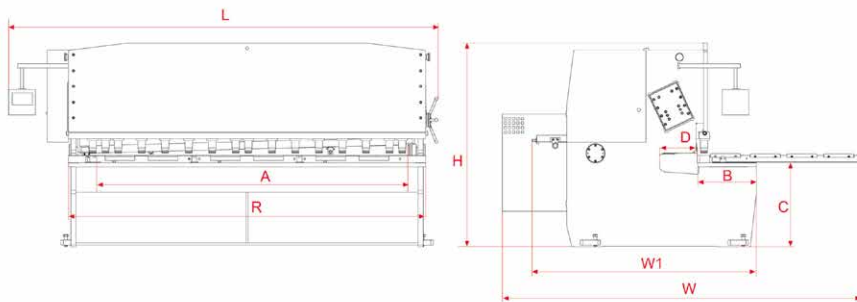
Custom accessor

- ▶ Pneumatic thin sheet support device with one or two levels
- ▶ Motorised cutting kerf adjustment
- ▶ Laser cutting line display
- ▶ Light barrier instead of finger protection grille
- ▶ Removable mitre stop
- ▶ Extended lateral stop with sheet support arms
- ▶ Transfer balls for lateral stop and sheet support arms



(C)NC controller D-Touch 7:

- ▶ Glare-free, rugged 7" colour touchscreen control panel
- ▶ Easy positioning to the desired dimension
- ▶ Unlimited program and single cut definitions
- ▶ Unlimited material definitions in the material library
- ▶ Intuitive menu-guided operation
- ▶ Separate displays for ACTUAL and TARGET values
- ▶ Rear stop move out function
- ▶ Positioning accuracy 0.1 mm
- ▶ Cut length validation via configurable stroke length
- ▶ Cut counter
- ▶ Control of machine accessories (e.g., optional sheet support device) and motorised cutting kerf adjustment



- (A) Cut length
- (B) Table depth
- (C) Working height
- (D) Throat
- (H) Height
- (L) Length
- (W) Depth
- (R) Table length

Accessories	Art. no.	Accessories	Art. no.
Safety light barrier instead of finger protection grille	3883001	Rear stop 1250 mm	3883016
Throat 350 mm HTBS-T 3100-60/4100-60	3883002	Rear stop swivels up hydraulically HTBS-T 3100-160/4100-130	3883017
Throat 350 mm HTBS-T 3100-100/3100-130	3883003	Sheet support arms L=2 m (1 pc.)	3883018
Throat 500 mm HTBS-T 3100-60	3883004	Sheet support arms L=3 m (1 pc.)	3883019
Throat 500 mm HTBS-T 3100-100/HTBS-T 3100-130/ HTBS-T 4100-60	3883005	Sheet support arms extension =2 m (1 pc.)	3883020
Throat 500 mm HTBS-T 3100-160/4100-130	3883006	Sheet support arms L=3 m (1 pc.)	3883021
Pneumatic thin sheet support device "single stage" HTBS-T 3100-60/3100-100/3100-130	3883008	Side stop extension L=2 m (1 pc.)	3883022
Pneumatic thin sheet support device "single stage" HTBS-T 3100-160	3883009	Side stop extension L=3 m (1 pc.)	3883023
Pneumatic thin sheet support device "single stage" HTBS-T 4100-60/4100-130	3883010	Side stop (1 500 mm) on right side	3883024
Pneumatic thin sheet support device "two-level" HTBS-T 3100-60/3100-100	3883011	Balls for support arms/ Side stop price per ball	3883025
Pneumatic thin sheet support device "two-level" HTBS-T 3100-130	3883012	Angle-adjustable side stop 0-180°	3883026
Pneumatic thin sheet support device "two-level" HTBS-T 3100-160	3883013	motorised cutting kerf adjustment for CNC version	3883027
Pneumatic thin sheet support device "two-level" HTBS-T 4100-60	3883014	Laser cutting line	3883028
Pneumatic thin sheet support device "two-level" HTBS-T 4100-130	3883015	1 set replacement blades HTBS-T 3100-60	3883029
		1 set replacement blades HTBS-T 3100-100	3883030
		1 set replacement blades HTBS-T 3 100-130	3883031
		1 set replacement blades HTBS-T 3100-160	3883032
		1 set replacement blades HTBS-T 4100-60	3883034
		1 set replacement blades HTBS-T 4100-130	3883035
		Manual centralised lubrication system	3883036



Finger protection

- ▶ Fold-up finger protection on first metre



Rear stop

- ▶ Fold-up rear stop for over length cutting



Pneum. Support device

- ▶ for thin sheets (option)



Cutting kerf adjustment device

- ▶ There is a central adjusting lever on the machine frame that is used to adjust the cutting kerf by reference to a scale. This provides a fast and easy approach to changing settings and making the correct adjustments for the material and thickness and thus achieve the best possible cut quality.



Premium components

- ▶ Bosch, Rexroth, Hydac, Siemens, Telemecanique

Hydraulic slot-guided guillotine shears

HTBS-K – Hydraulic CNC sheet metal shears

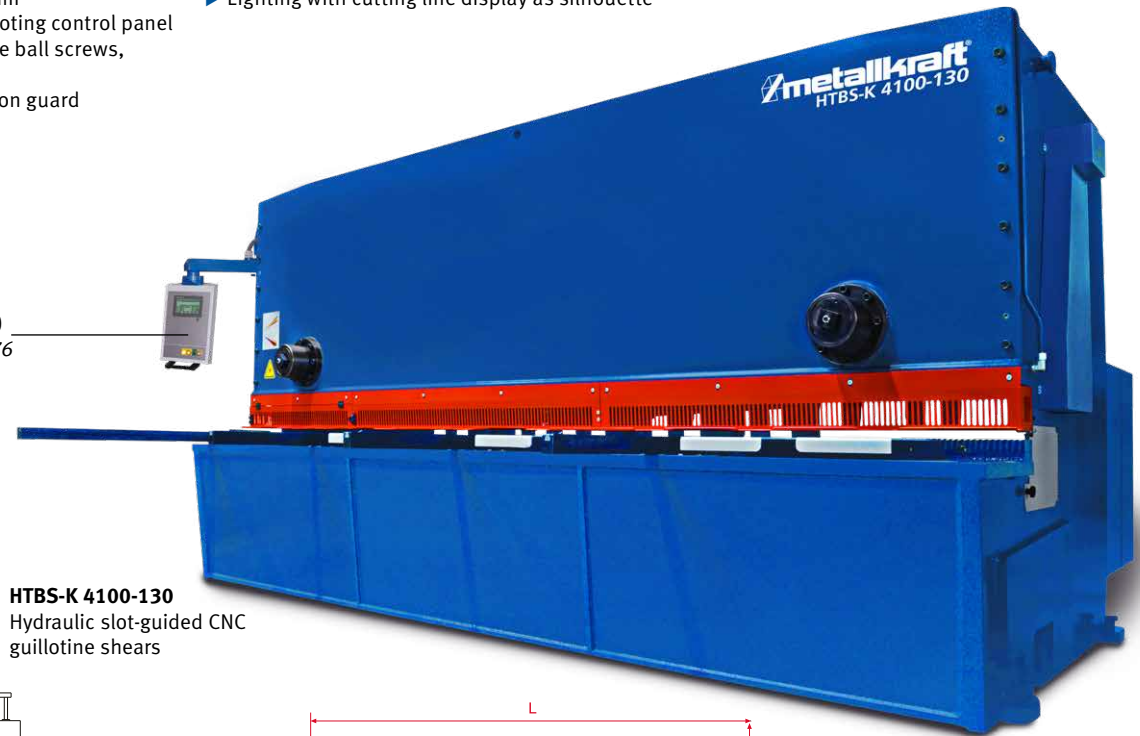
Standard type

- ▶ Very heavy welded steel design
- ▶ CNC controller D-Touch 7
- ▶ Automatic, hydraulic cutting angle adjustment via D-Touch 7
- ▶ Automatic, motorised cutting kerf adjustment via D-Touch 7
- ▶ Motorised rear stop 1 000 mm
- ▶ Ergonomically arranged, pivoting control panel
- ▶ Rear stop driven via play-free ball screws, guided on linear rails
- ▶ Fold-up, split finger protection guard 1 000 mm

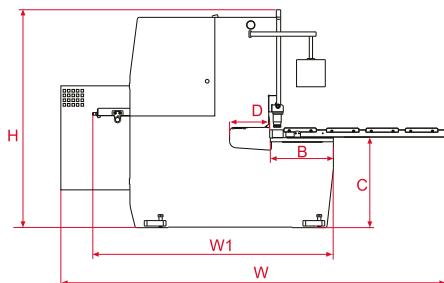
- ▶ Blank holder arranged close to cutting edge
- ▶ Operated via mobile foot switch with emergency stop switch
- ▶ One angle stop 1 500 mm and two sheet support arms 1 000 mm (three sheet support arms for machines as of 4 m)
- ▶ Rear stop area safeguarded by light barrier
- ▶ Lighting with cutting line display as silhouette

- ▶ Easy handling of sheet metal via ball transfer units in table
- ▶ Premium components by Bosch, Rexroth, Hydac, Siemens, Atos
- ▶ Premium rotatable knife, suitable for cutting stainless steel

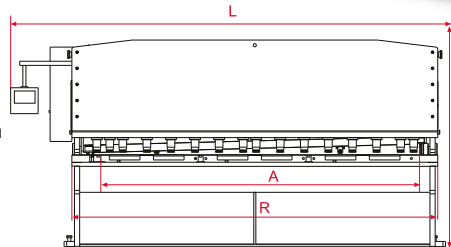
DT7 (D-Touch 7)
more on page 76



HTBS-K 4100-130
Hydraulic slot-guided CNC
guillotine shears



(L) Length
(W) Overall depth
(W1) Depth
(R) Table length



(A) Cut length
(B) Table depth
(C) Working height
(D) Throat
(H) Height

Model HTBS-K	3100-60	3100-100	3100-130	3100-160	3100-200	4100-60	4100-130	4100-160	4100-200
Art. no.	3826306	3826310	3826313	3826316	3826320	3826406	3826413	3826416	3826420

Technical data	3100-60	3100-100	3100-130	3100-160	3100-200	4100-60	4100-130	4100-160	4100-200
Cutting length (A)	3 080 mm	3 080 mm	3 080 mm	3 080 mm	3 080 mm	4 080 mm	4 080 mm	4 080 mm	4 080 mm
Cutting performance (450 N/mm ²)	6 mm	10 mm	13 mm	16 mm	20 mm	6 mm	13 mm	16 mm	20 mm
Cutting performance (700 N/mm ²)	4 mm	8 mm	10 mm	13 mm	16 mm	4 mm	10 mm	10 mm	16 mm
Stand throat (D)	350 mm	350 mm	350 mm	350 mm	350 mm	350 mm	350 mm	350 mm	350 mm
max. strokes per minute for full cutting length	20	20	17	12	12	20	13	9	8
min. max. cutting angle	0.3°-2°	0.3°-2°	0.3°-2°30'	0.3°-2°30'	0.3°-2°30'	0.3°-2°	0.3°-2°30'	2°30'	2°30'
Table height (C)	820 mm	820 mm	835 mm	840 mm	840 mm	820 mm	835 mm	1 000 mm	1 000 mm
Table depth (B)	494 mm	554 mm	559 mm	554 mm	580 mm	494 mm	589 mm	630 mm	630 mm
Table length (R)	3280 mm	3360 mm	3380 mm	3420 mm	3460 mm	4400 mm	4400 mm	4385 mm	4405 mm
Number of blank holders	16	16	17	14	14	20	20	17	21
Min. max. pressure of blank holders	4-20 t	4-20 t	8-40 t	11-55 t	17-83 t	4-20 t	10-48 t	50-100 t	50-100 t
Speed Rear stop	200 mm/sec	200 mm/sec	200 mm/sec	200 mm/sec	200 mm/sec	200 mm/sec	200 mm/sec	200 mm/sec	200 mm/sec
Driving power 400 V/50 Hz	11 kW	22 kW	30 kW	45 kW	45 kW	11 kW	30 kW	45 kW	45 kW
Oil tank capacity	125 l	180 l	300 l	400 l	500 l	125 l	300 l	400 l	500 l
Length (L)	4 100 mm	3800 mm	4200 mm	4130 mm	4 100 mm	5 150 mm	6200 mm	5890 mm	5900 mm
Depth (W1)	2 050 mm	2 050 mm	2 100 mm	2 210 mm	2 300 mm	2 100 mm	2 150 mm	2 100 mm	2 200 mm
Overall depth (W)	3 650 mm	3 550 mm	3 560 mm	3 820 mm	3 700 mm	3 550 mm	3 560 mm	3 625 mm	3 775 mm
Height (H)	1 950 mm	2 150 mm	2 450 mm	2 570 mm	2 650 mm	2 050 mm	2 550 mm	2 950 mm	2 950 mm
Weight	7 500 kg	9 300 kg	12 900 kg	18 000 kg	21 500 kg	12 000 kg	16 500 kg	23 600 kg	29 000 kg

All hydraulic sheet metal shears are supplied with oil.

More models on request.

Custom accessor

- ▶ Pneumatic thin sheet support device with one or two stages
- ▶ Laser cutting line display
- ▶ Light barrier instead of finger protection grille
- ▶ Removable mitre stop
- ▶ Extended lateral stop with sheet support arms
- ▶ Transfer balls for lateral stop and sheet support arms



Size example HTBS-K 10000-130



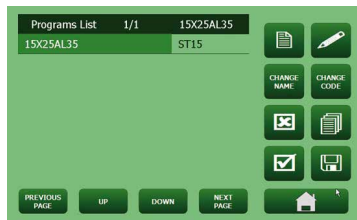
Hydraulic slot-guided sheet metal shears

Accessories for hydraulic CNC guillotine shears



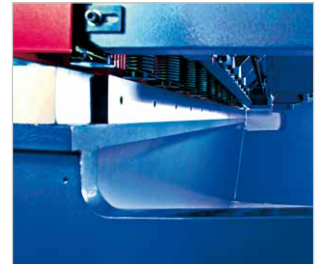
(C)NC controller D-Touch 7:

- ▶ Glare-free rugged 7" colour touchscreen control panel
- ▶ Easy positioning to the desired dimension
- ▶ Unlimited program and single cut definitions
- ▶ Unlimited material definitions in the material library
- ▶ Intuitive menu-guided operation
- ▶ Separate displays for ACTUAL and TARGET values
- ▶ Rear stop move out function
- ▶ Cutting kerf compensation
- ▶ Positioning accuracy 0.1 mm
- ▶ Cut length validation via configurable stroke length
- ▶ Cut counter
- ▶ Control of machine accessories (e.g., optional sheet support device) and motorised cutting kerf adjustment



Finger protection

- ▶ Fold-up finger protection on first metre



Throat

- ▶ Supports cutting of steel sheets longer than the cutting length (A)



Finger protection device

- ▶ by means of safety light barrier (option)

Accessories	Art. no.
Safety light barrier (instead of finger guard)	3883040
Throat 500 mm HTBS-K 3100-60 CNC	3883041
Throat 500 mm	3883042
HTBS-K 3100-100/3100-130/4100-60 CNC	
Throat 500 mm	3883043
HTBS-K 3100-160/4100-130/4100-160 CNC	
Throat 500 mm HTBS-K 3100-200/4100-200 CNC	3883044
Pneumatic thin sheet support device	3883045
Standard HTBS-K- 3100-60/3 100-100/3100-130	
Pneumatic thin sheet support device	3883046
Standard HTBS-K 3100-160/3100-200	
Pneumatic thin sheet support device	3883047
Standard HTBS-K 4100-60/4100-130	
Pneumatic thin sheet support device	3883048
two-level HTBS-K 3100-60/3100-100	
Pneumatic thin sheet support device	3883049
two-level HTBS-K 3100-130	
Pneumatic thin sheet support device	3883050
two-level HTBS-K 3100-160	
Pneumatic thin sheet support device	3883051
two-level HTBS-K 4100-60	
Pneumatic thin sheet support device	3883052
two-level HTBS-K 4100-130	
Pneumatic thin sheet support device return to sender	3883053
max. 6 mm	
HTBS-K 3100-60/3100-100/3100-130	
Pneumatic thin sheet support device return to sender	3883054
max. 6 mm HTBS-K 3100-160	
Pneumatic thin sheet support device return to sender	3883055
max. 6 mm	
HTBS-K 4100-60/4100-130	
Pneumatic thin sheet support device return to sender	3883056
max. 6 mm HTBS-K 4100-160	

Accessories	Art. no.
Sheet holding device with conveyor belt and waste container HTBS-K 3100-60/3100-100/3100-130	3883057
Sheet holding device with conveyor belt and waste container HTBS-K 3100-160	3883058
Sheet holding device with conveyor belt and waste container HTBS-K 4100-60/4100-130	3883059
Sheet holding device with conveyor belt and waste container HTBS-K 4100-160	3883060
Stack conveyor HTBS-K 3100-60/3100-100/3100-130	3883061
Stack conveyor HTBS-K 3100-160	3883062
Stack conveyor HTBS-K 4100-60/4100-130	3883063
Stack conveyor HTBS-K 4100-160	3883064
Rear stop 1 250 mm	3883065
Rear stop swivels up hydraulically HTBS-K 3100-160/3100-200/4100-130/4100-160/4100-200	3883066
Angle-adjustable side stop 0-180°	3883067
Support arm L=2 m (1 pc.)	3883068
Support arm L=3 m (1 pc.)	3883069
Support arm extension L=2 m (1 pc.)	3883070
Support arm extension L=3 m (1 pc.)	3883071
Side stop extension L=2 m (1 pc.)	3883072
Side stop extension L=3 m (1 pc.)	3883073
Side stop (1500 mm) on right side	3883074
Laser cutting line	3883075
1 replacement knife set HTBS-K 3100-60	3883076
1 replacement knife set HTBS-K 3100-100	3883077
1 replacement knife set HTBS-K 3100-130	3883078
1 replacement knife set HTBS-K 3100-160	3883079
1 replacement knife set HTBS-K 3100-200	3883080
1 replacement knife set HTBS-K 4100-60	3883081
1 replacement knife set HTBS-K 4100-130	3883082
1 replacement knife set HTBS-K 4100-160	3883083
1 replacement knife set HTBS-K 4100-200	3883084
Manual centralised lubrication system	3883085