

CS series
MVS series
HGS series

GUILLOTINE SHEARS

SHEARING SOLUTIONS FOR YOUR NEEDS



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<http://lvd.nt-rt.ru> || dvz@nt-rt.ru

GUILLOTINE SHEARS

Designed by LVD and manufactured by LVD-HD in China, LVD shears combine high quality and cost-efficiency. They are built to LVD's specifications and high quality standards, utilising electronic, electrical, hydraulic and pneumatic components that meet our stringent accuracy and reliability requirements.

CS SHEARS

EXCEPTIONAL VALUE

- Ideal for general shearing applications
- Cost-competitive quality and reliability
- Easy-to-use motorised 1000 mm range backgauge
- 1.5 m (59.06") squaring arm standard
- Front support standard on CS 13/31
- Parallel-guided shearing using four cutting edges
- Shadow Line cutting
- Models: CS 6/31 - 6.35 mm (0.25") by 3.1 m (122.0"), CS 6/40 - 6.35 mm (0.25") by 4.05 m (159.4"), CS 13/31 - 13 mm (0.512") by 3.1 m (122.0")

Cost competitive, reliable shearing machine ideal for general shearing applications



CS 40/6

MVS SHEARS

ACCURATE SHEARING WITH TOUCH SCREEN CONVENIENCE

- Ideal for demanding job shop applications
- Robust frame design minimises deflection whilst cutting
- Simple and fast to learn
- Intuitive touch screen control
- Parallel-guided hydraulic shearing system with up to four cutting edges
- Push-button adjustable stroke length, blade gap and rake angle for cutting optimisation
- Ball transfer system simplifies material processing
- Large throat gap for overlap cutting
- Touch-and-Go backgauge system
- Models available: MVS - 6/31 - 6.35 mm by 3100 mm (0.25" by 122.04") up to 13 mm by 6200 mm (0.512" by 244.09")

Highly flexible and productive shearing machine ideal for demanding job shops or as a stand-alone machine

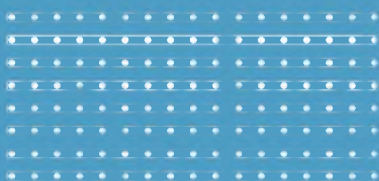


MVS 31/13



Custom series

- Configure-to-order to suit your custom shearing demands
- Up to 40 mm (1.57") by 14 m (551.18")
- Robust frame design minimises deflection whilst cutting
- Simple and fast to learn
- Intuitive touch screen control
- Parallel-guided hydraulic shearing system with up to four cutting edges
- Push-button adjustable stroke length, blade gap and rake angle for cutting optimisation
- Ball transfer system for easier material processing



HGS SHEARS

HEAVY-DUTY SHEARING MADE AFFORDABLE

HGS shears feature a welded construction for rugged performance. Frame and cutting beam provide maximum rigidity and resistance to deflection and torsional force, ensuring accurate shearing results in mild steel up to 30 mm.

An adjustable rake angle provides optimum control over the cutting process. The rake angle can be adjusted at a minimum value of 0,5 degrees, allowing the shearing of narrow strips with minimal distortion, and reducing or eliminating corkscrew and bow distortions.

Each blade of an HGS shear has four cutting edges and can be turned three times before grinding, minimising maintenance and extending production life.

HGS shears feature the simplicity of touch screen control programming.



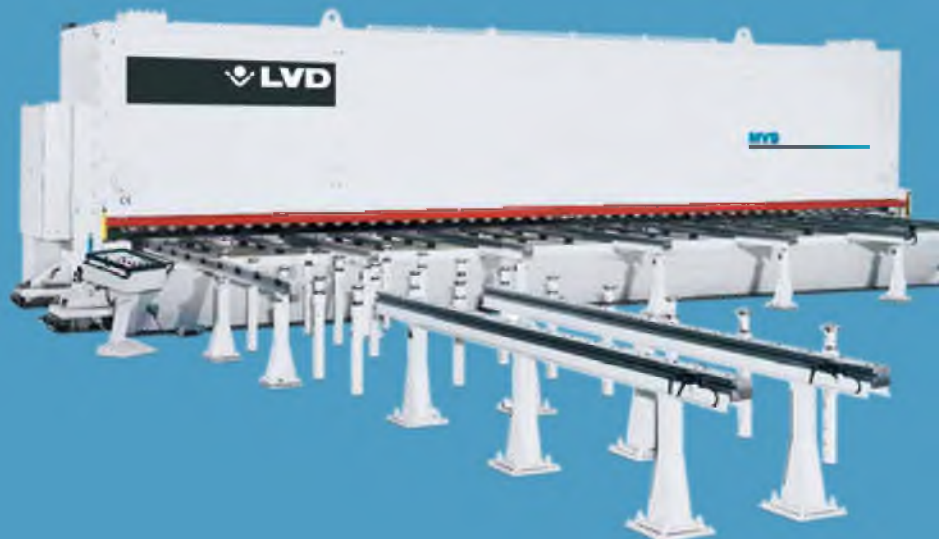
HGS 80/13

Programming parameters are quickly and easily entered at the machine. Blade clearance and cutting angle are

automatically calculated based on material and thickness.

High accuracy, heavy duty shearing made affordable

- Large throat gap for overlap cutting
- Touch-and-Go backgauge system
- Configure-to-order material handling options
- Models available: From 20 mm (0.787") by 6200 mm (244.09") up to 40 mm (1.57") by 14 m (551.18")



WHAT ARE YOUR NEEDS?

From the economical CS series to custom hydraulic shears, LVD designs and manufactures a full line of shearing machinery. With over 60 years' experience building hydraulic shears and equipment, LVD delivers affordability combined with a reliable, proven brand.

PERFORMANCE

GENERAL SHEARING APPLICATIONS

DEMANDING APPLICATIONS

CUSTOM-SHEARING DEMANDS

HEAVY DUTY APPLICATIONS



CS 40/6



MVS 31/13



Custom series



HGS 80/13

CAPACITY

STEEL THICKNESS UP TO 13 MM

STEEL THICKNESS UP TO 13 MM

STEEL THICKNESS UP TO 30 MM



INTERFACE

TOUCH SCREEN



SPECIFICATIONS

CS SHEARS

	06/31	06/40	13/31
Max. shearing capacity (steel 450 N/mm ²)	6,35 mm	6,35 mm	13 mm
Cutting length	3100 mm	4000 mm	3100 mm
Range backgauge	750 mm	750 mm	1000 mm
Min./max. cutting angle	0,5° - 3°	0,5° - 2,5°	0,5° - 2,5°
Number of holddowns	17	22	13
Min./max. no. of strokes/min.	10 / 30	9 / 26	8 / 25
Min./max. blade clearance	0,05 / 0,8	0,05 / 0,8	0,1 / 2,2
Motor power (380 V/50 Hz)	7,5 kW	7,5 kW	15 kW
Gap	-	-	-
Approximate weight	5500 kg	8000 kg	8700 kg
Oiltank capacity	110 l	200 l	449 l

MVS SHEARS

	06/31	06/40	06/62	13/31	13/40	13/62
Max. shearing capacity (steel 450 N/mm ²)	6,35 mm	6,35 mm	6,35 mm	13 mm	13 mm	13 mm
Cutting length	3100 mm	4050 mm	6200 mm	3100 mm	4050 mm	6200 mm
Range backgauge	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm
Min./max. cutting angle	0,5° - 2°	0,5° - 2°	0,5° - 1,5°	0,5° - 2,5°	0,5° - 2°	0,5° - 2,5°
Number of holddowns	16	21	32	16	21	32
Min./max. no. of strokes/min.	12 / 30	10 / 30	10 / 30	9 / 30	9 / 30	8 / 20
Min./max. blade clearance	0,05 / 0,80 mm	0,05 / 0,80 mm	0,05 / 0,80 mm	0,10 / 1,30 mm	0,10 / 1,30 mm	0,10 / 1,30 mm
Motor power (380 V/50 Hz)	7,5 kW	7,5 kW	18,5 kW	18,5 kW	30 kW	30 kW
Gap	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm
Approximate weight	6500 kg	9000 kg	18000 kg	10000 kg	18000 kg	25000 kg
Oiltank capacity	170 l	170 l	350 l	350 l	500 l	500 l

HGS SHEARS

	16/31	16/40	16/62	20/31	20/40	20/62
Max. shearing capacity (steel 450 N/mm ²)	16 mm	16 mm	16 mm	20 mm	20 mm	20 mm
Cutting length	3100 mm	4050 mm	6200 mm	3100 mm	4000 mm	6200 mm
Range backgauge	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm
Min./max. cutting angle	0,5° - 2,5°	0,5° - 2,5°	0,5° - 2,5°	0,5° - 3°	0,5° - 2,5°	0,5° - 2,5°
Number of holddowns	16	20	32	16	20	32
Min./max. no. of strokes/min.	7 / 30	7 / 20	5 / 15	8 / 20	7 / 20	5 / 15
Min./max. blade clearance	0,10 / 1,60 mm	0,10 / 1,60 mm	0,10 / 1,60 mm	0,10 / 2,60 mm	0,10 / 2,60 mm	0,10 / 3 mm
Motor power (380 V/50 Hz)	30 kW	30 kW	30 kW	45 kW	45 kW	2x30 kW
Gap	300 mm	200 mm	100 mm	300 mm	300 mm	100 mm
Approximate weight	12000 kg	18000 kg	36000 kg	18000 kg	31000 kg	48000 kg
Oiltank capacity	550 l	550 l	700 l	750 l	750 l	960 l

	10/80	13/120	25/31	25/40	30/31	30/40	30/62
Max. shearing capacity (steel 450 N/mm ²)	10 mm	13 mm	25 mm	25 mm	30 mm	30 mm	30 mm
Cutting length	8000 mm	12000 mm	3100 mm	4000 mm	3100 mm	4000 mm	6200 mm
Range backgauge	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm
Min./max. cutting angle	0,5° / 2,0°	0,5° / 2,0°	0,5° / 3,0°	0,5° / 2,5°	0,5° / 3,5°	0,5° / 3,0°	0,5° / 2,5°
Number of holddowns	42	61	16	20	16	20	32
Min./max. no. of strokes/min.	7 / 30	5 / 20	5 / 12	5 / 12	4 / 8	4 / 8	3 / 9
Min./max. blade clearance	0,05 / 1,30 mm	0,08 / 1,69 mm	0,10 / 3,25 mm	0,10 / 3,25 mm	0,10 / 3,90 mm	0,10 / 3,90 mm	0,10 / 3,90 mm
Motor power (380 V/50 Hz)	37 kW	2x37 kW	55 kW	55 kW	55 kW	55 kW	2x45 kW
Gap	100 mm	100 mm	300 mm	300 mm	200 mm	200 mm	100 mm
Approximate weight	45000 kg	145000 kg	28000 kg	38000 kg	32000 kg	40000 kg	75000 kg
Oiltank capacity	600 l	1200 l	950 l	950 l	950 l	950 l	1500 l

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