hauer®

Parallel - o - Matic

VX

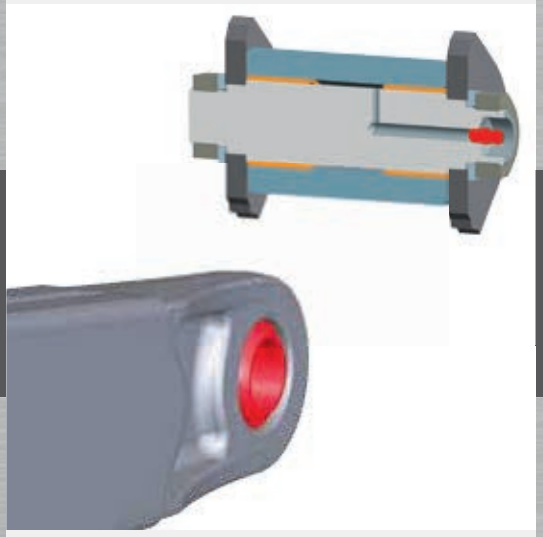
... technology, which moves!

An additional advantage of the loading arm profile: the hydraulic lines are mounted under the loading arm – protected by covers. The oil supply to the "MCV" valve is by way of steel pipes.

The hydraulic valve block system "MCV" is particularly characterized by central oil distribution and compact, modular design. The "MCV" can be expanded to a maximum of 4 additional hydraulic functions. The valve block is protected by a steel plate cover outside the field of vision in front of the transverse tube.

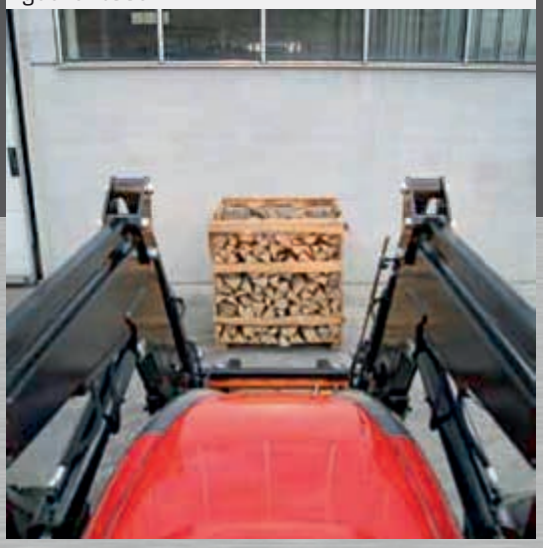
Particularly ergonomical: The locking handle of the equipment quick-change device – optimally positioned and automatically locking.

All bearings of the parallel guidance are equipped with replaceable bushes. The pin diameters are matched to the respective sizes of the front loaders.

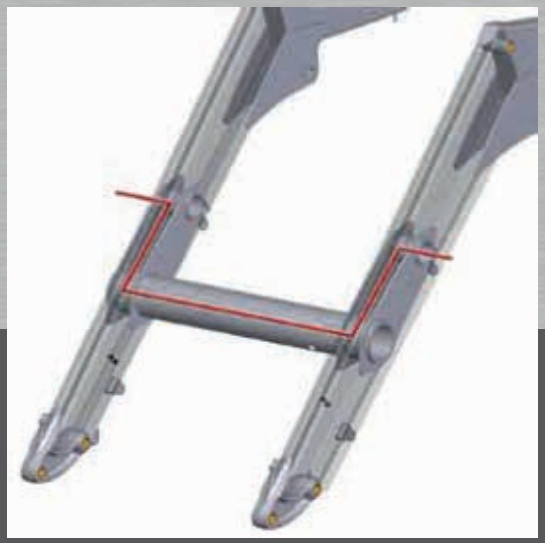


At the ends of the lifting cylinders and on the loading arm back, replaceable hardened ball joint bearings are attached. These compensate torsional movements and thus protect the bearing points.

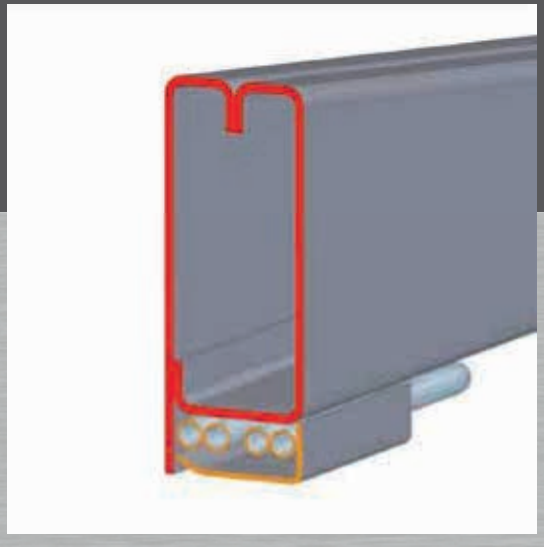
The construction of the VX loading arm is characterized by straight design. In connection with optimal placement of the valve block, best view to the implement is guaranteed.



Parallel - o - Matic



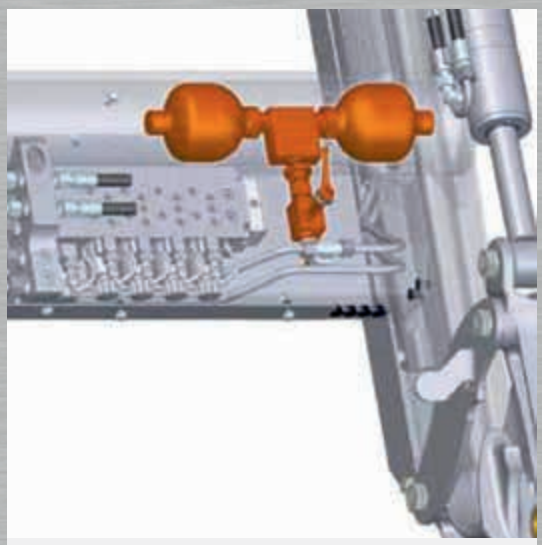
In the design of the fully hydraulic front loader “POM-VX”, special focus was on a sturdy construction, good vision and ergonomical handling. Decades of experience in the production of progressive front loader systems together with feedback by customers, result in optimum synergies and thus form the basis for the front loader generation “VX”.



The special advantage of the stabiliser loading arm: optimum introduction of the forces through even distribution via the cross tube to the support braces and the rearward short connecting tubes. A further plus: the double bent-in loading arm profile of fine-grained steel yields particularly high resistance. The result: a perfect loading arm for toughest loading in daily operation.

Optional equipment:

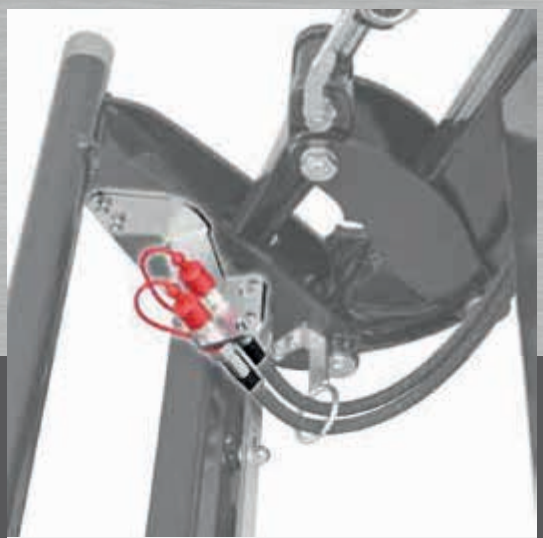
In order to perform the work with the front loader even more ergonomically and rationally, a number of high-quality optional equipment is offered.



The front loader shock absorber system "SMS" reduces shocks which occur when travelling on uneven ground. It protects front loader, tractor and the driver. Available mechanically or electrically switchable.

The multi-hose coupler "synchro-lock" facilitates and accelerates the joining of the hydraulic connections for the front loader. Also available with integrated electric coupling.

The central distribution block of the "MCV" system can be expanded up to 4 additional hydraulic function modules.

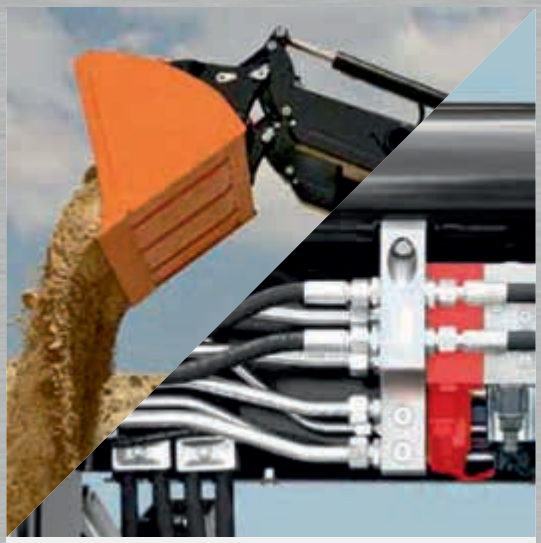


The coupling connectors for the additional hydraulic functions are mounted easily accessible on the side of the equipment quick-change device.

Instead of the normal coupling connector for the additional functions, a "synchro-lock" with 2 or 4 couplings is also available.

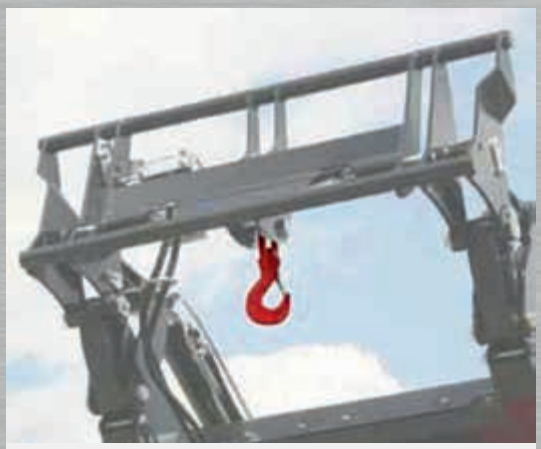
Further additional equipment:

- Safety kit (for working with a working platform)
- Hydraulically rotatable equipment quick-change device



The quick dumping feature of the “VX” front loader generation additionally accelerates the emptying of the implement. The valve for this function is directly attached to the “MCV” system.

All functions with one handle. With the single-lever control unit, the loader operations can be performed even more efficiently and rationally. The monoblock valve is directly connected to the hydraulic system of the tractor.



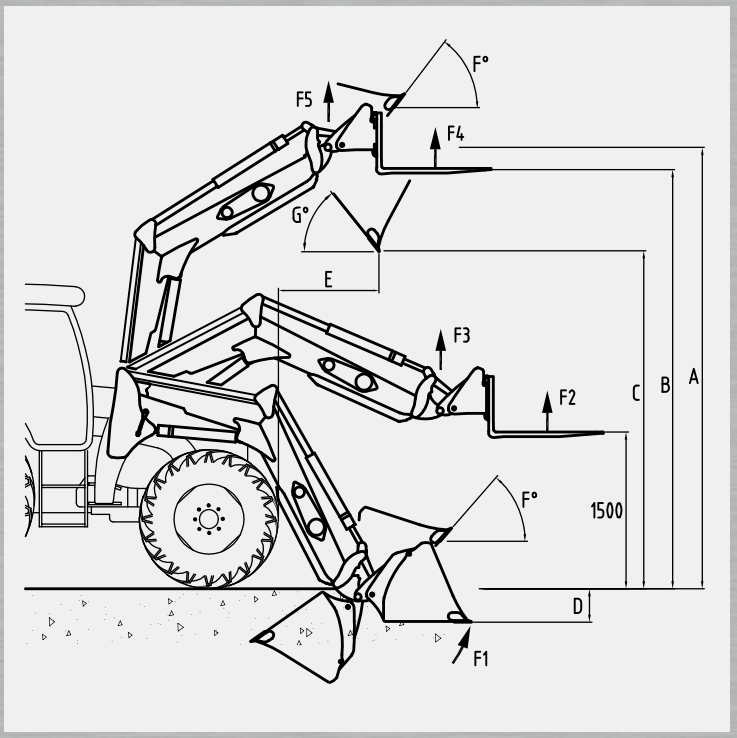
Load hook – the preparation for fastening the rotatable hook is present on the quick-change device as standard.

The “ELC” single-lever control unit is an electroproportional control valve for the loader functions and additional valves. As an option, a five-way adjustable arm support is additionally available.

The hydraulic locking device for implements – ideal for the quick change of the implements – protected by a sturdy steel cover.

Standard equipment:

- Fully hydraulic front loader “POM-VX” with stabiliser loading arm, including parallel guidance, front guard, hydraulic lines to the original control unit, hydraulic hoses, couplings, bracket and screw set to suit the tractor type.
- Quick-change assembly for implements, prepaired for load hook, original HAUER or EURO hook mounting
- Distributor valve system “MCV”
- Double-acting lifting cylinder
- Synchronised tilting cylinder, protected by a double shock valve
- Replaceable bronze bearing bushes in all bearing points
- Hardened, replaceable ball joint bearings on the lifting cylinders and on the loading arm back
- Shut-off valve in the lifting line
- Hydraulic lines mounted protected on the loading arm bottom



Technical data:

Frontlader-Type		POM-VX								
		40	50	70	90	95	110	130	150	170*
Front loader OR – without bracket	kg approx.	515	540	560	590	610	650	730	–	–
Front loader TBS – without bracket	kg approx.	475	495	505	530	550	585	655	670	725
Recommended tractor power	HP	until 55	until 65	until 80	75-100	75-100	90-120	100-150	120-197	150-230
	kW	until 40	until 48	until 59	55-74	55-74	66-88	74-110	88-145	110-170
Max. lifting height – implement rotating point	A	3150	3400	3550	3750	3950	3950	4050	4250	4520
Max. lifting height – pallet fork	B	2950	3200	3350	3550	3750	3750	3850	4050	4320
Free dumping height (earth bucket)	C	2250	2500	2650	2850	3050	3050	3150	3350	3620
Digging depth	D	180	200	200	200	200	200	200	200	190
Dumping width – with maximum lifting height	E	650 - 750	750 - 850	800 - 950	900 - 1050	900 - 1050	900 - 1050	900 - 1050	950 - 1100	1000 - 1200
Breaking force at the earth bucket cutting edge (daN)	F1	1800	1800	1800	2200	2200	2200	2700	2700	3000*
Lifting force up to 1500 mm lifting height - pallet fork (daN)	F2	1250	1300	1480	1600	1820	2070	2315	2410	2715
Lifting force up to 1500 mm lifting height - on implement rotating point (daN)	F3	1450	1500	1650	1900	2000	2275	2485	2745	3025
Lifting force up to maximum lifting height - pallet fork (daN)	F4	1100	1150	1320	1380	1625	1850	1975	2185	2600
Lifting force up to maximum lifting height - on implement rotating point (daN)	F5	1300	1350	1500	1650	1770	2015	2315	2550	2860
Initial tilting angle	F°	45° - 53°								
Dumping angle	G°	50° - 58°								

Depending on the attachment height of the front loader

Figures and details are approximate and non-binding and change slightly depending on the attachment height of the front loader and tyres of the tractor. Measured at approximately 185 bar (* at approximately 200 bar).

The pictures shown in the brochure can deviate from the standard scope of supply. Subject to technical changes and errors.

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