



## A NEW RANGE OF SKIDSTEER LOADERS



**VERSATILITY, RELIABILITY  
AND OUTSTANDING  
PRODUCTIVITY**

MF516/516XP

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# MF516

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## PART OF AN UNRIVALLED RANGE

The MF516 and MF516XP Skid Steer Loaders form a key part of the comprehensive range of these versatile and cost effective machines available from MF Industrial. Both models have been designed and built to excel in a wide range of working environments including agriculture, construction and industry.

The wide choice of approved accessories available for all MF Industrial Skid Steer Loaders enhances their flexibility even further; however, the MF516XP's well proven high flow system means that it will accomplish arduous tasks, such as cold planing and trenching, with a performance that many machines in its class cannot match.

## PERFORMANCE, PRODUCTIVITY AND DURABILITY

Whilst all MF Industrial Skid Steer Loaders deliver outstanding performance and productivity, a look at some of the features of the MF516 and MF516XP, and the benefits that this provides to machine operators, helps explain why these are the most successful models in the range:

- One of the highest breakout forces in their class means fuller buckets and greater productivity
- Wider machine track gives increased on-site stability
- 72 litre fuel tank allows the operator to work longer without the need to stop and refuel
- The universal drive joint is lubricated for life and needs no maintenance
- Sealed pins with teflon coated bushes remove most grease points
- The proven reliability of the strong forged axle unit, the same unit as used on the top of the range MF Skid Steer Loader, provides high axle torque giving improved bucket and fork & grab loading



The scrap grapple allows for the safe handling of all manner of waste materials, from swarf to scrap paper.



The MF516XP and planer make a highly effective but compact tool for pavement and carriageway repairs.

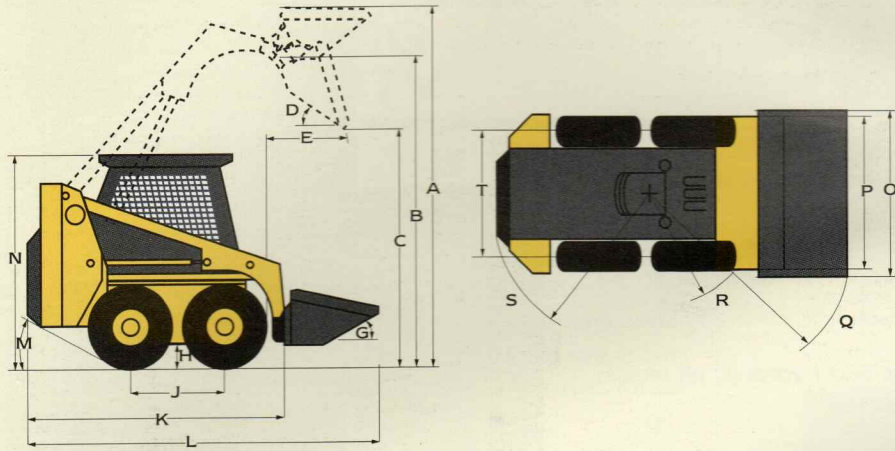


The MF516 works productively in the most enclosed spaces.



The High Flow Trencher provides a high speed compact trenching solution on pipe and cable laying applications.

## STATIC DIMENSIONS



## HYDRAULIC SYSTEM LOADER

Main Relief Valve	172 Bar
High Flow Circuit Relief Pressure	165 Bar
PUMP	
Type	Gear
Capacity MF516	62 litres/min
MF516XP	113 litres/min
FILTRATION (REPLACEABLE ELEMENT)	7 micron
CYLINDERS	
Lift-Dia	57mm
-Stroke	753mm
Tilt-Dia	70mm
-Stroke	330mm

## ELECTRICS

Voltage	12V
Installation	Single battery
Capacity CCA	500
Alternator	45A
LIGHTING	
Twin front work lights, roof mounted	
OPTIONAL AUXILIARIES	
Roof mounted flashing beacon	
Reverse bleeper	

## DIMENSIONS

All dimensions with standard tyres and 1676mm dirt bucket

mm	mm
A Max overall operating height	3738
B Height to hinge pin	2885
C Maximum Dump height:	2248
D Dump angle at max height	38°
E Loading reach: At max height	609
G Bucket rollback: At full height	109°
Bucket carry	28°
H Ground clearance	178
J Wheel base	927
K Less bucket Overall length:	2565
L With bucket	3226
M Angle of departure	22.5°
N Overall height top of ROPS	1968
O Bucket width (Dirt)	1676
P Overall width less bucket	1638
Q Clearance circle radius: Front with bucket	1651
R Front less bucket	1168
S Rear	1575
T Track/tread width	1384

## TYRES

Standard	10.00 x 16.5 (6 ply)
Optional	7.00 x 15 (6 ply)

## CAPACITIES

Cooling System	15.1 litres
Fuel Tank	71.9 litres
HYDRAULIC SYSTEM	
Total	56.8 litres
Engine Oil & Filter	9.5 litres
Chain compartment	5.7 litres (per side) (2 off)

## WEIGHTS

Shipping - 2262 Kg includes 15 litre fuel, no operator, std bucket, ROPS and std. equipment.  
 Operating - 2387 Kg (includes full fuel, 79 Kg operator, 1676mm dirt bucket 10.00 x 16.5 tyres, ROPS and std. equipment)

## PERFORMANCE

Tipping Load (SAE)	1310 kg
Rated Lift Capacity	655 kg
BREAKOUT FORCE	
Lift CYL	1406 kgf
Tilt CYL	1860 kgf

## HYDROSTATICS

Pumps	Vickers variable displacement
Motors	Char-Lynn fixed displacement
Brakes (standard)	Parking pin lock activated by raising the safety bar.
Max travel speeds	10 km/h

## ENGINE

Make	Perkins
Model	104 - 22
Aspiration	Natural
Fuel	Diesel
Capacity	2.2 litres
Rated Speed	2600 rev/min
PERFORMANCE	
Power (gross)	35.7kW (47.9 hp)
Max torque	140 Nm
Speed at max torque	2044 rev/min

## INTERIOR AND CONTROLS

Steering	Independent 360° counter rotation with braking, forward and reverse motion controlled by two hand operated control levers
Hydraulics	Boom lift and bucket tilt via foot controls with auxiliary functions hand controlled. Option of boom lift and bucket tilt hand controlled with auxiliary controlled by foot.
Vehicle	Hand throttle with key stop/start ignition switch.



## POWER TRAIN

Type	Hydrostatic with single stage chain drive to all wheels
Transmission	Tandem pump assembly consisting of two variable displacement pumps and two hydrostatic fixed displacement motors.

## ATTACHMENTS

The MF516, in common with all models in the Skid Steer Range, delivers such high levels of performance through its compatibility with a wide range of attachments. The flexibility and productivity that can be achieved through a relatively small investment is a major attraction to machine purchasers, whatever their needs. The fact that all attachments recommended by MF Industrial have been designed and built to meet our exacting standards, and tested to ensure total compatibility with our machines offers even further reassurance.

Attachments for all machines fall into three main categories: high flow attachments such as augers, trenchers and planers, standard flow attachments including fork and grab and sweepers, non hydraulic attachments such as scrapers and buckets.

In addition a number of specialised attachments for specific tasks are available.



The quick attach system allows fast and safe changing of attachments.



The auxiliary couplings are well protected whilst remaining easily accessible.



The high flow hydraulic performance gauge allows the operator to achieve optimum trenching productivity, regardless of trencher angle or ground conditions.



### AGRICULTURE & LANDSCAPING

The range of attachments for use in this industry sector include fork and grab, feed mixing buckets, bale spikes, tree and fence pole planters, fertiliser buckets, scrapers, augers and pallet forks.



The versatile fork and grab can handle a wide range of materials, from bundles of fence posts to hay, silage, manure and hedge trimmings or loose vegetation.



An MF516 with auger gives a compact, effective machine for fence laying operations.



The pallet forks attachment allows palletised material to be handled in and around the farm, and enables trucks to be loaded or unloaded quickly and safely.

### INDUSTRIAL & MATERIAL HANDLING

Typical attachments include high tip buckets, Air Boss and solid tyres, scrapers, sweepers, scrap grapples and light material buckets.



Specialised material handling buckets for industrial applications are available, including high tip and light material buckets.



Where sites must be kept clean and free from debris, the sweeper collector attachment turns the MF516 into a highly effective tool for keeping even the most restricted areas clean.



The scrap grapple allows for the safe handling of all manner of waste materials, from swarf to scrap paper.

### CONSTRUCTION & DEMOLITION

This demanding environment is served by a wide choice of attachments including backhoes, pole planters, augers, sweepers, 4 in 1 buckets, rock breakers, pallet forks, concrete mixing buckets, side tip buckets, compactors, trenchers and planers.



The MF516 with backhoe attachment is equipped to accurately trench in extremely confined spaces, but, unlike a mini excavator, still has the versatility to carry other attachments required on the site.



Many additional attachments are available for the MF516, including rock breakers and compactors.



A variety of specialised buckets are available to suit specific tasks, examples include side-tip and high tip buckets, light material buckets and 4-in-1 buckets.

# MF516 and MF516XP VERSATILITY, RELIABILITY AND OUTSTANDING PRODUCTIVITY

## EASE OF OPERATION

For anyone considering the purchase of a skid steer loader, the safety, comfort and ease with which the machine can be operated are fundamental concerns, which is why the MF516 and MF516XP have been designed as one of the most ergonomic machines available:

- Increased internal space affords excellent operator comfort, and low in-cab noise levels (already satisfying 1995 EC requirements) improves productivity
- Functional cab layout brings all major controls immediately to hand
- Excellent forward visibility to the working area

## SAFETY FEATURES

- Easy access to and from the cab, with well positioned grab rails and good foot space
- Integral safety bar automatically locks out the loader arm and activates the park lock; a separate hydraulic reset button prevents the loader or attachment functioning with the operator out of the cab.

## THE FLEXIBLE SOLUTION

Both machines are equipped with MF Industrial's unique Quick Attach frame, which allows for a wide variety of attachments to be quickly and safely interchanged. This flexibility positions the MF516 and MF516XP as amongst the most cost effective pieces of machinery available.

## SERVICEABILITY AND COST OF OWNERSHIP

Overall cost of ownership of these machines is reduced further by a number of features:

- Access for regular servicing and repairs is excellent - through a fully forward tilting cab, easily removed floor panels and a wide opening rear engine compartment door, reducing servicing time significantly.
- Substantially lower labour costs than many competitors' products over the lifetime of the machine
- The MF Industrial Skid Steers all enjoy high residual values through the use of reliable componentry, high levels of weather protection and overall corrosion resistance



A fork and grab allows efficient handling of feedstuffs and effective general material handling.



The MF516 can be easily transported to the site, carrying with it a wide range of attachments, allowing many tasks to be completed in an efficient manner.



This multi-purpose bucket can perform many tasks on the work site, from backfilling trenches to landscaping.





# Aftercare

## SERVICEABILITY, RELIABILITY AND AFTER SALES SUPPORT

The MF516 and MF516XP have been designed and built to allow for both routine servicing and maintenance to be carried out by the operator:

- Visual checks cover engine coolant and hydraulic oil levels, filter service and hydraulic filter condition
- All filters are located to give simple and speedy access for replacement
- Access for regular servicing and repairs is excellent - through a fully forward tilting cab, easily removed floor panels and a wide opening rear engine compartment door



Excellent support from your MF Industrial dealer, outstanding parts availability and an unmatched standard warranty all combine to create a package of exceptional value.



**The MF516 and MF516XP Skid Steer Loaders - Powerful, Reliable and Flexible performers in an unrivalled range.**



## DEALER/DISTRIBUTOR



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