

REFERENCE GUIDE

AGRICULTURAL TRACKS ELASTOMERIC WHEELS

ACGO® / CHALLENGER®

MT700 / MT800
TRACTORS



TABLE OF CONTENTS

INTRODUCTION AND TERMINOLOGY	5
Introduction.....	5
Camso Track Terminology	6
Track Identification (Edge of Track)	7
TRACK MACHINE OPERATIONAL GUIDELINES.....	8
New Track Break-In	8
Maintain Track Alignment.....	8
Correct Operational Techniques	9
MT700 SERIES SPECIFICATIONS AND INFORMATIONS.....	10
General Facts	10
Track System Service Information	10
Machine Specific Notes.....	11
MT700 SERIES (A THRU E SERIES) TRACK SELECTION	12
Camso 2500 Series (General Ag)	16
Camso 4500 Series (General Ag)	17
Camso 4500 Series (Low Ground Disturbance)	18
Camso 4500 Series (Side Slope).....	19
Camso 6500 Series (High Rooding/Extreme Tread).....	20
Camso 6500 Series (General Ag)	21
MT700 Series Track Cross Reference (Current Tracks) 348 in Track Circumference	22
MT700 Series Track Cross Reference (Older Tracks) 348 in Track Circumference	24
MT700 SERIES TRACK SELECTION	26
Camso 2500 Series (General Ag)	28
Camso 4500 Series (General Ag)	29
Camso 4500 Series (Low Ground Disturbance)	30
Camso 4500 Series (Side Slope).....	31
Camso 6500 Series (High Rooding/Extreme Tread).....	32
Camso 6500 Series (General Ag)	33
MT700 Series Track Cross Reference (Current Tracks) 359 in Track Circumference	34
MT700 Track Series vs Application Matrix (Track Type).....	36
MT700 Track Series vs Application Matrix (Track Width).....	40
CHALLENGER MT800 SERIES SPECIFICATIONS AND INFORMATION	42
General Facts	42
Track System Service Information	42
Machine Specific Notes.....	43

MT800 TRACK SELECTION44

Camso 2500 Series (General Ag)46

Camso 4500 Series (General Ag)47

Camso 4500 Series (Side Slope)48

Camso 6500 Series (High Roading/Extreme Tread)49

Camso 6500 Series (General Ag)50

Camso 6500 Series (Scraper)51

MT800 Track Series vs Application Matrix (Track Type)52

MT800 Track Series vs Application Matrix (Track Width)56

MT800 Series Track Cross Reference (Current Tracks)58

MT800 Series Track Cross Reference (Older Tracks)60

BOLT-ON REPLACEMENT GUIDE LUGS61

Bolt-on Guide Lug Kit Description61

MT700/MT800 WHEEL SELECTION & USAGE62

MT70062

MT80062

Compatibility Matrix Idler Wheel62

Compatibility Matrix Midroller63

Compatibility Matrix Drive Wheel63

REPLACEMENT CRITERIA64

Idler Wheel64

Midroller64

Drive Wheel65

Camso Track66

APPROXIMATE GROUND PRESSURE67

TREAD BAR WEAR ESTIMATION CHART68

INTRODUCTION AND TERMINOLOGY

Camso is the best of Camoplast and Solideal. To keep moving forward while staying true to our history, we're now the Road Free company.



Introduction

Farming operations across the country are unique. Working closely with track tractor and combines owners, Camso has created an extensive line of tracks to fit virtually any application. This guide is intended to help you better understand the complete line of tracks for tractors and provide helpful recommendations for the best use of each type.

All tractor tracks are built by Camso in Emporia, Kansas using an exclusive manufacturing process that keeps each component in place, resulting in a stronger track.

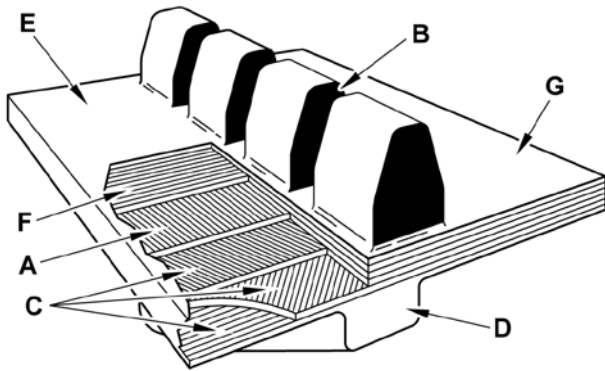
To choose the best track for your operation, carefully consider your applications:

- Cropping patterns
- Typical field conditions, soil types and terrain
- Implements used
- Amount of road travel

With knowledge of your local conditions and applications, your Camso dealer can help you use this guide to find the best track for your operation.

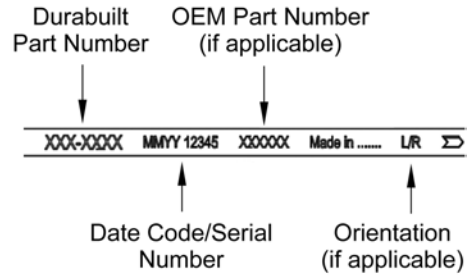
Camso Track Terminology

Camso tracks are constructed using a combination of natural and synthetic rubber in combination with steel reinforcing plies and continuous wound main cables. The main cables give the track tension strength. The bias and reinforcement plies protect the main cables, provide internal track alignment, and further increase lateral stiffness to better distribute loads across the track width. The tread bars are designed with specific shapes, with each shape giving a distinct performance advantage in specific applications.

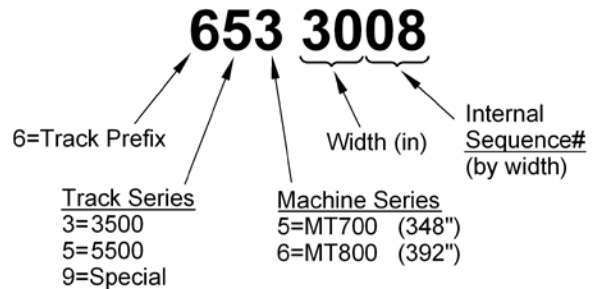


- A: Main cable
- B: Guide lug
- C: Outer diameter (OD) bias plies
(for cable protection and alignment)
- D: Tread bar
- E: Inside diameter (ID) track surface
- F: Inside diameter (ID) bias ply (for cable protection)
- G: Carcass

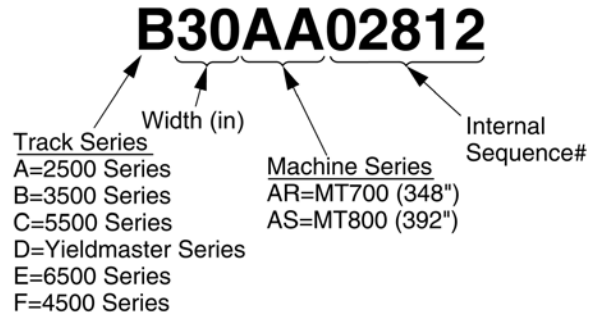
Track Identification (Edge of Track)



Track Part Number Format (Old)



Track Part Number Format (New)



TRACK MACHINE OPERATIONAL GUIDELINES

New Track Break-In

Track guide lugs, especially on new machines, will benefit from correct break-in procedures. Correct break-in helps reduce the initial amount of guide and midroller wear. Track components undergo a polishing-in process during the break-in period. During this time, any rubber flash is worn from wheel edges and much smoother steel to rubber guide interface is developed. New rubber surfaces benefit from contact with the soil, which acts as a dry lubricant, to facilitate smooth break-in and minimize guide lug scuffing. Tracks should be operated in dry soil as soon as possible. Track alignment should be checked frequently and must be correct. Significant amounts of operation, especially high speed roading before introduction into dry soil can cause guide lug damage and should be avoided.

Maintain Track Alignment

It is very important to periodically check track alignment, especially during break-in. However, alignment can change throughout the life of the machine due to track system or component wear. Misalignment, if left uncorrected, will cause heating and eventual destruction of one side of the guide lug, as well as cause damage to the midrollers and drive wheels.

The primary way to verify alignment is to check the temperature of the guide lugs during field operation or to observe the track guide lug condition. If there is significant difference in the temperatures between opposite sides of the track guide lugs, or if scuffing is seen on one side, then the track may be out of alignment.

Refer to the operator's manual for methods to correct misalignment.

Correct Operational Techniques

Tracks can pull more - so reduce loads at low speeds

Tracks deliver much less slip in high torque, low speed operations. Follow the operator's manual guidelines and stay above the minimum speed for full load operation. Never exceed the maximum ballasted weight in order to gain more traction in lower gears.

Use proper amounts of ballast

Ballast the tractor to achieve no less than 2-5% slip under heavy pull conditions. In addition, the best track performance comes from even weight distribution along the entire track length. Correct ballast will result in reduced tread bar wear, longer rolling component life, less compaction, and improved ride and turning performance.

Maintain correct track tension

In a friction drive system, proper track tension is critical to achieve maximum tractive performance. Inadequate tension can allow more material between the track and wheels, allow track to drive wheel slip, and increase the potential for untracking.

Keep material out of the track

Track systems are designed to allow for some amounts of material to pass between the drive wheel and track. However, uncompressable objects will cause very high localized track loading, which can result in chips, chunks, and tears in the track and undercarriage components. In addition, excessive material build-up inside the undercarriage can cause the tensioning system to run out of recoil. If recoil is used up, track tearing can occur. If a tractor becomes stuck, always dig out the undercarriage and pull the machine out backwards to avoid track damage.

Use care when crossing ditches or transitions

Track machines have certain maneuvers that should be approached with care. One example is during a transition from a sloped to a flat area, especially if transitioning at a diagonal. If dynamic turning is attempted during the transition, the risk is higher for untracking to occur. Operate at low speeds, and avoid turning, to minimize the risk of untracking in these situations.

MT700 SERIES SPECIFICATIONS AND INFORMATION



General Facts

- Produced since 2002
- 185 to 430 HP
- 60 in to 160 in on older models
- 72 in to 120 in on current models

Track System Service Information

Alignment adjusting screw

- Adjusting bolt (torque 150 ft-lbs / 200 N-m)
- Front idler and drive wheel bolts (torque 590 ft-lbs / 800 N-m)
- Front idler weights bolt (standard torque)

NOTE: For machines with few idler weights installed, the idler wheel can be removed to remove/replace a track. If several idler weights are installed, it is recommended to remove the drive wheel to remove/replace a track.

Camso detensioning tools and literature

CST-0100 Camso Detensioning Kit

CPB-0305 Removal / Installation Guide



Machine Serial Number Location
 LH Side (Most Machines)
 RH Side (European Spec Machines Only)

Machine Specific Notes

- These machines can be equipped with narrow, medium, or wide rolling stock. Not all rolling stock is compatible with all tracks. Refer to section title “Compatibility Matrix” to determine track vs rolling stock compatibility.
- For correct alignment, it is critical to set the gauge width correctly. If misalignment is an issue, first check that the roller frames are positioned accurately before trying to change front idler alignment.
- When de-tensioning / tensioning it is critical you use the air bleed to remove all air from the system, and check accumulator pre-charge pressure.
- Track Tension should be set at 2950 psi. During operation, track tension will change. It is important that the track tension stay between 2200 psi and 3800 psi to prevent track damage. Track tension can be viewed by the operator through the electronic display. The electronic display also records if the track tension drops below 2200 psi or exceeds 3800 psi.
- In some cases, track width is determined by machine configuration. Review the tractor OMM for determining maximum track width for the configuration of the tractor.

MT700 SERIES (A THRU E SERIES) TRACK SELECTION (348 IN TRACK CIRCUMFERENCE)



The Challenger MT700 Series tractors offer more undercarriage options than ever before, increasing the versatility of your tractor.

Six track styles are available in six widths.

These tracks include:

- Camso 2500 Series (General AG)
- Camso 4500 Series (General Ag)
- Camso 4500 Series (Low Ground Disturbance)
- Camso 4500 Series (Side Slope)
- Camso 6500 Series (High Roading/Extreme Tread)
- Camso 6500 Series (General Ag)

TRACK SERIES	TRACK DESCRIPTION	AGCO P/N	CAMSO P/N
2500	General Ag	ACP0316930	A16AR03293
2500	General Ag	ACP0316940	A18AR03294
2500	General Ag	ACP0316950	A25AR03295
2500	General Ag	ACP0316960	A30AR03306
4500	Low Ground Disturbance	581847D1	F18AR02927
4500	Low Ground Disturbance	581852D1	F25AR02992
4500	General Ag	581842D1	F16AR02921
4500	General Ag	581843D1	F16AR02922
4500	General Ag	581846D1	F18AR02926
4500	General Ag	-	F24AR02868
4500	General Ag	581851D1	F25AR02991
4500	General Ag	581855D1	F30AR02995
4500	General Ag	581858D1	F34AR03101
4500	Side Slope	-	F25AR02928
4500	Side Slope	-	F30AR02929

6500

See page 14

The tracks are tensioned by a nitrogen accumulator and hydraulic cylinder. Track tension pressure should be maintained at 2950 psi (20,339 kPa). This creates a track tension of 16,000 lbs (7257 kg). Track tension pressure can be monitored utilizing the tractor monitor screen on most MT700 Series Tractors. High and low pressure alarms warn the operator of potential issues.

Correct track tension pressure should be maintained to reduce damage to the tracks. Refer to the Operation and Maintenance Manual (OMM) for procedures to properly maintain track tension.

MT700 Series (A Thru E Series) Models [348 in (8839 mm) Track Circumference]:

MT735	MT745	MT745B	MT745C	MT755	MT755B	MT755C	MT755D
MT755E	MT765	MT765B	MT765C	MT765D	MT765E	MT775E	

TRACK WIDTH	CARCASS THICKNESS*	GUIDE LUGS	TREAD BARS	TREAD BAR HEIGHT*
16 in (406 mm)	1.22 in (31 mm)	46	92	2.3 in (58 mm)
18 in (457 mm)	1.22 in (31 mm)	46	92	2.3 in (58 mm)
25 in (635 mm)	1.22 in (31 mm)	46	92	2.3 in (58 mm)
30 in (762 mm)	1.14 in (29 mm)	46	92	2.3 in (58 mm)
18 in (457 mm)	1.45 in (37 mm)	46	130	1.5 in (38 mm)
25 in (635 mm)	1.45 in (37 mm)	46	130	1.5 in (38 mm)
16 in (406 mm)	1.45 in (37 mm)	46	46 (RH)	2.7 in (68 mm)
16 in (406 mm)	1.45 in (37 mm)	46	46 (LH)	2.7 in (68 mm)
18 in (457 mm)	1.45 in (37 mm)	46	92	2.7 in (68 mm)
24 in (610 mm)	1.45 in (37 mm)	46	92	2.7 in (68 mm)
25 in (635 mm)	1.45 in (37 mm)	46	92	2.7 in (68 mm)
30 in (762 mm)	1.45 in (37 mm)	46	92	2.7 in (68 mm)
34 in (864 mm)	1.45 in (37 mm)	46	92	2.7 in (68 mm)
25 in (635 mm)	1.45 in (37 mm)	46	92	2.7 in (68 mm)
30 in (762 mm)	1.45 in (37 mm)	46	92	2.7 in (68 mm)

MT700 Series (A Thru E Series) Models
 [348 in (8839 mm) Track Circumference] (Cont'd)

TRACK SERIES	TRACK DESCRIPTION	AGCO P/N	CAMSO P/N
6500	High Roding/Extreme Tread	581838D1	E14AR02908
6500	High Roding/Extreme Tread	581839D1	E14AR02909
6500	High Roding/Extreme Tread	581844D1	E16AR02919
6500	High Roding/Extreme Tread	581845D1	E16AR02920
6500	High Roding/Extreme Tread	-	E18AR02924
6500	High Roding/Extreme Tread	-	E18AR02925
6500	High Roding/Extreme Tread	581848D1	E18AR02923
6500	High Roding/Extreme Tread	581853D1	E25AR02990
6500	High Roding/Extreme Tread	581856D1	E30AR02994
6500	General Ag	581854D1	E25AR02989
6500	General Ag	581857D1	E30AR02993
6500	General Ag	581859D1	E34AR03102

TRACK WIDTH	CARCASS THICKNESS*	GUIDE LUGS	TREAD BARS	TREAD BAR HEIGHT*
14.5 in (356 mm)	1.73 in (44 mm)	46	46 (RH)	3.0 in (75 mm)
14.5 in (356 mm)	1.73 in (44 mm)	46	46 (LH)	3.0 in (75 mm)
16 in (406 mm)	1.73 in (44 mm)	46	46 (RH)	3.0 in (75 mm)
16 in (406 mm)	1.73 in (44 mm)	46	46 (LH)	3.0 in (75 mm)
18 in (457 mm)	1.73 in (44 mm)	46	46 (RH)	3.0 in (75 mm)
18 in (457 mm)	1.73 in (44 mm)	46	46 (LH)	3.0 in (75 mm)
18 in (457 mm)	1.73 in (44 mm)	46	92	3.0 in (75 mm)
25 in (635 mm)	1.65 in (42 mm)	46	92	3.0 in (75 mm)
30 in (762 mm)	1.65 in (42 mm)	46	92	3.0 in (75 mm)
25 in (635 mm)	1.65 in (42 mm)	46	92	2.7 in (68 mm)
30 in (762 mm)	1.65 in (42 mm)	46	92	2.7 in (68 mm)
34 in (864 mm)	1.65 in (42 mm)	46	92	2.7 in (68 mm)

Camso 2500 Series (General Ag)



The Camso 2500 Series is a track with the basic features of the 4500 Series but offered with reduced height tread bars, and is targeted for customers looking at lowest initial cost track replacement.

This track performs well in light primary and secondary tillage applications. This track is an excellent track for use in the older, lower usage tractors.

This track utilizes the same premium rubber compounds and materials as the 4500 and 6500 Series. This track utilizes the standard main cable size and standard carcass construction.

AVAILABLE SIZES
16 in (406 mm)
18 in (457 mm)
25 in (635 mm)
30 in (762 mm)
TREAD BAR HEIGHT
2.3 in (58 mm)
TREAD BARS
92
TREAD BAR TIP WIDTH
1.6 in (41 mm)
TREAD BAR PITCH
7.8 in (198 mm)
GUIDE LUGS
46
GUIDE LUG LENGTH
4.7 in (114 mm)
CARCASS THICKNESS
1.14 in (29 mm)*
1.22 in (31 mm)**

* 30 in tracks

** 16, 18 & 25 in tracks

Camso 4500 Series (General Ag)



The 4500 Series track provides optimum flotation, traction, and track life for most applications. This all-purpose track performs well in a wide range of conditions.

This design is equipped with 46, 4.7 inch (120 mm) long guide lugs and 92, 2.7 inch (68.5 mm) tall tread bars. These features work together to provide an excellent ride with superior track alignment, traction and self-cleaning in wet or sticky conditions.

Camso 4500 Series were designed to reduce cost of operation by increasing the life of the track carcass. The Camso 4500 Series tracks have an improved carcass construction providing improved protection of the main cables and support of the track. The guide lugs were also improved, providing an improvement in guide lug life and appearance.

To maximize track life and improve self-cleaning capabilities on narrow tracks, two tread bar patterns are offered. The 16 inch (406 mm) track width uses a diagonal pattern with tread bars running the width of the track. All wider tracks use the chevron tread bar pattern.

AVAILABLE SIZES
16 in (406 mm)
18 in (457 mm)
25 in (635 mm)
24 in (610 mm)
30 in (762 mm)
34 in (864 mm)
TREAD BAR HEIGHT
2.7 in (68 mm)
TREAD BARS
46* & 92
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
7.8 in (198 mm)
GUIDE LUGS
46
GUIDE LUG LENGTH
4.7 in (120 mm)
CARCASS THICKNESS
1.45 in (37 mm)

* 16 in tracks;
diagonal design

Camso 4500 Series (Low Ground Disturbance)



The low ground disturbance tread bar tracks perform best on hard surfaces like hay fields and can be used on gravel, asphalt, and concrete where little surface disturbance is desired. The track features more tread bars that are shorter and wider, providing limited traction while being gentler on the soil and crop surface.

Think about how you plan to use your Challenger MT700 Series tractor when considering this track. The shorter, wider tread bars may increase slip and reduce traction and drawbar performance in some field conditions. In wet situations, the self-cleaning capabilities can be diminished, further reducing traction.

Camso 4500 Series were designed to reduce cost of operation by increasing the life of the track carcass. The Camso 4500 Series tracks have an improved carcass construction providing improved protection of the main cables and support of the track. The guide lugs were also improved, providing an improvement in guide lug life and appearance.

AVAILABLE SIZES
18 in (457 mm)
25 in (635 mm)
TREAD BAR HEIGHT
1.5 in (38 mm)
TREAD BARS
130
TREAD BAR TIP WIDTH
2.76 in (70 mm)
TREAD BAR PITCH
5.5 in (139 mm)
GUIDE LUGS
46
GUIDE LUG LENGTH
4.7 in (120 mm)
CARCASS THICKNESS
1.45 in (37 mm)

Camso 4500 Series (Side Slope)



The Camso 4500 Series Side Slope tracks are designed specifically to increase guide lug life of track tractors operating on steep side slopes. The track provides the features of the Camso 4500 Series (General Ag) tracks but has the longer guide lugs of the Camso 6500 Series tracks for improved detracking resistance and increased wear area. The longer guide lugs provide greater life and side load resistance on steep side slopes, improving overall track life and decreasing your cost of operation in these adverse conditions.

In many cases, customers would use the heavy duty Camso 5500 Series tracks (and now the Camso 6500 Series tracks) in side slope applications for the longer guide lugs and improved side load capabilities. The Camso 4500 Series provides the side slope capability of the Camso 5500 or 6500 Series tracks with the features, benefits, and price point of the Camso 4500 Series (General Ag) tracks.

AVAILABLE SIZES
25 in (635 mm)
30 in (762 mm)
TREAD BAR HEIGHT
2.7 in (68 mm)
TREAD BARS
92
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
7.8 in (198 mm)
GUIDE LUGS
46
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.45 in (37 mm)

Camso 6500 Series (High Roading/Extreme Tread)



Built for use in extreme conditions, the new Camso 6500 Series tracks are specifically designed to improve track carcass life in the most demanding applications. This track is the right choice for your narrow row crop and furrow applications where a lot of material is ingested into the track.

The Camso 6500 Series tracks feature an improved carcass construction that greatly reduces the damage reaching the main cables. By reducing the damage that reaches the main cables, track life is improved and overall cost of operation is decreased. The new track carcass features Camso's new puncture resistant rubber compound and other carcass improvements have shown in testing to reduce damage reaching the main cables by more than 25%.

The Camso 6500 Series 14, 16, and 18 inch wide tracks utilize the largest main cable in the industry. This extreme duty cable is 24% larger than the cable used in the 5500 Series tracks, making it the strongest track in the market for its width.

The Camso Series tracks feature the longer 5.5 inch (140 mm) guide lugs for superior track retention and guide lug life in demanding applications. The shape of the guide lugs have been improved as well, improving guide lug strength and appearance.

* 14.5 in and 16 in are standard with the single diagonal tread bar. 18 in tracks are available in either the single diagonal tread bar design or the chevron tread bar pattern.

**25 in and 30 in tracks

AVAILABLE SIZES
14.5 in (356 mm)
16 in (406 mm)
18 in (457 mm)
25 in (635 mm)
30 in (762 mm)
TREAD BAR HEIGHT
3.0 in (75 mm)
TREAD BARS
46* & 92
TREAD BAR TIP WIDTH
2.5 in (40 mm)
TREAD BAR PITCH
7.8 in (198 mm)
GUIDE LUGS
46
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.73 in & **1.65 in (44 mm and 42 mm)

Camso 6500 Series (General Ag)



Built for use in tough conditions, this 6500 Series track is designed with the carcass and guide lugs of the 6500 Series tracks but with the general ag tread. These features work together to provide an excellent ride with superior strength, traction, and self-cleaning in wet or sticky conditions.

The tread bar design is the same as the 4500 Series tracks which allows this track to perform well in muddy/sticky soil conditions.

The Camso 6500 Series tracks feature an improved carcass construction that greatly reduces the damage reaching the main cables. By reducing the damage that reaches the main cables, track life is improved and overall cost of operation is decreased. The new track carcass features Camso's new puncture resistant rubber compound and other carcass improvements have shown in testing to reduce damage reaching the main cables by more than 25%.

The Camso 6500 Series tracks feature the longer 5.5 inch (140 mm) guide lugs for superior track retention and guide lug life in demanding applications. The shape of the guide lugs have been improved as well, improving guide lug strength and appearance.

AVAILABLE SIZES
25 in (635 mm)
30 in (762 mm)
34 in (864 mm)
TREAD BAR HEIGHT
2.7 in (68 mm)
TREAD BARS
92
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
7.8 in (198 mm)
GUIDE LUGS
46
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.65 in (42 mm)

**MT700 Series Track Cross Reference (Current Tracks)
348 in Track Circumference**

TRACK SERIES	TRACK DESCRIPTION	CURRENT AGCO P/N	CURRENT CAMSO P/N	TRACK WIDTH
2500	General Ag	ACP0316930	A16AR03293	16 in (406 mm)
2500	General Ag	ACP0316940	A18AR03294	18 in (457 mm)
2500	General Ag	ACP0316950	A25AR03295	25 in (635 mm)
2500	General Ag	ACP0316960	A30AR03306	30 in (762 mm)
4500	Low Ground Disturbance	581847D1	F18AR02927	18 in (457 mm)
4500	Low Ground Disturbance	581852D1	F25AR02992	25 in (635 mm)
4500	General Ag	581842D1	F16AR02921	16 in (406 mm)
4500	General Ag	581843D1	F16AR02922	16 in (406 mm)
4500	General Ag	581848D1	E18AR02923	18 in (457 mm)
4500	General Ag	-	F24AR02868	24 in (610 mm)
4500	General Ag	581851D1	F25AR02991	25 in (635 mm)
4500	General Ag	581855D1	F30AR02995	30 in (762 mm)
4500	Side Slope	-	F25AR02928	25 in (635 mm)
4500	Side Slope	-	F30AR02929	30 in (762 mm)
6500	High Roading/ Extreme Tread	581838D1	E14AR02908	14.5 in (356 mm)
6500	High Roading/ Extreme Tread	581839D1	E14AR02909	14.5 in (356 mm)
6500	High Roading/ Extreme Tread	581844D1	E16AR02919	16 in (406 mm)
6500	High Roading/ Extreme Tread	581845D1	E16AR02920	16 in (406 mm)
6500	High Roading/ Extreme Tread	-	E18ARR02924	18 in (457 mm)
6500	High Roading/ Extreme Tread	-	E18ARR02925	18 in (457 mm)
6500	High Roading/ Extreme Tread	581848D1	E18AR02923	18 in (457 mm)
6500	High Roading/ Extreme Tread	581853D1	E25AR02990	25 in (635 mm)
6500	High Roading/ Extreme Tread	581856D1	E30AR02994	30 in (762 mm)
6500	General Ag	581854D1	E25AR02989	25 in (635 mm)
6500	General Ag	581857D1	E30AR02993	30 in (762 mm)

PREVIOUS PART NUMBERS		NEW OR IMPROVED FEATURES
CAMSO	AGCO	
-	-	New track option
-	-	New track option
-	-	New track option
-	-	New track option
695-1837	563755D1	Carcass construction, added 1 ply and guide lugs
695-2532	563761D1	Carcass construction, added 1 ply and guide lugs
635-1641	554106D1	Carcass construction and guide lugs
635-1642	554107D1	Carcass construction and guide lugs
635-1840	563754D1	Carcass construction, added 1 ply and guide lugs
-	-	New track option
635-2533	563760D1	Carcass construction, added 1 ply and guide lugs
635-3060	563764D1	Carcass construction and guide lugs
-	-	New track option
-	-	New track option
655-1412	554104D1	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
655-1413	554105D1	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
655-1639	554108D1	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
655-1640	554109D1	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
655-1834	-	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
655-1835	-	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
655-1826	563753D1	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
655-2528	563759D1	Carcass construction, puncture resistant inner layer and guide lugs
655-3061	563763D1	Carcass construction, puncture resistant inner layer and guide lugs
655-2536	563758D1	Carcass construction, puncture resistant inner layer and guide lugs
655-3062	563762D1	Carcass construction, puncture resistant inner layer and guide lugs

**MT700 Series Track Cross Reference (Older Tracks)
348 in Track Circumference**

CHALLENGER MT700 SERIES				
PREVIOUS CAMSO P/N	WIDTH	DESCRIPTION	PREVIOUS AGCO P/N	COMMENTS/ DESCRIPTION
655-1408 655-1412	14 in	Extreme App RH	1R-1381 508600D1 554104D1	Camso = AGCO version
655-1409 655-1413	14 in	Extreme App LH	1R-1380 508601D1 554105D1	Camso = AGCO version
635-1625 635-1641	16 in	General Ag RH	1R-1383 508602D1 554106D1	Camso = AGCO version
635-1626 635-1642	16 in	General Ag LH	1R-1382 508603D1 554107D1	Camso = AGCO version
695-1623 695-1643	16 in	Special App RH	1R-1384 554094D1	Camso version: 1 more ID layer
695-1624 695-1644	16 in	Special App LH	1R-1385 554095D1	Camso version: 1 more ID layer
655-1621 655-1639	16 in	Extreme App RH	1R-1386 508606D1 554108D1	Camso = AGCO version
655-1622 655-1640	16 in	Extreme App LH	1R-1387 508607D1 554109D1	Camso = AGCO version
-	16 in	Extreme App SGB RH	520016D1	Replaced by 655-1639
-	16 in	Extreme App SGB LH	520017D1	Replaced by 655-1640
635-1815 635-1840	18 in	General Ag	1R-1259 554084D1	Camso version: 1 more ID layer, heavy duty cable
695-1818 695-1837	18 in	Spec App	1R-1258 554083D1	Camso version: 1 more ID layer, heavy duty cable

PREVIOUS CAMSO P/N	WIDTH	DESCRIPTION	PREVIOUS AGCO P/N	COMMENTS/ DESCRIPTION
655-1817 695-1826	18 in	Extreme App	1R-1358 502057D1 554098D1	Camso version: 2 more ID layers
-	18 in	Extreme App SGB	520018D1	Replaced by 655-1826
655-1834	18 in	Extreme App	-	Diagonal Tread version, No AGCO Version
655-1835	18 in	Extreme App	-	Diagonal Tread version, No AGCO Version
635-2004 635-2006	20 in	General Ag	1R-1260 554085D1	Camso version: 1 more ID layer, heavy duty cable
655-2005 655-2007	20 in	Extreme App	1R-1359 502058D1 554099D1	Camso version: 2 more ID layers
635-2521 635-2533	25 in	General Ag	1R-1262 554087D1	Camso version: 1 more ID layer, heavy duty cable
695-2520 695-2532	25 in	Special App	1R-1261 554086D1	Camso version: 1 more ID layer, heavy duty cable
655-2522 655-2528	25 in	Extreme App	1R-1320 554092D1	Camso version: 2 more ID layers, heavy duty cable
655-2523 655-2536	25 in	Extreme Ag	502597D1 554100D1	Camso version: 2 more ID layers
635-3028 635-3060	30 in	General Ag	1R-1263 554088D1	Camso version: 1 more ID layer, heavy duty cable
655-3030 655-3061	30 in	Extreme App	1R-1321 554093D1	Camso version: 2 more ID layers, heavy duty cable
655-3044 655-3062	30 in	Extreme Ag	518708D1 554111D1	Camso version: 2 more ID layers

MT700 SERIES TRACK SELECTION (359 IN TRACK CIRCUMFERENCE)



The Challenger MT700 Series tractors offer more undercarriage options than ever before, increasing the versatility of your tractor.

Six track styles are available in six widths. These tracks include:

- Camso 2500 Series (General AG)
- Camso 4500 Series (General Ag)
- Camso 4500 Series (Low Ground Disturbance)
- Camso 4500 Series (Side Slope)
- Camso 6500 Series (High Roading/Extreme Tread)
- Camso 6500 Series (General Ag)

TRACK SERIES	TRACK DESCRIPTION	AGCO P/N	CAMSO P/N
2500	General Ag	N/A	A16BY03405
2500	General Ag	N/A	A18BY03406
2500	General Ag	N/A	A25BY03407
2500	General Ag	N/A	A30BY03408
4500	General Ag	588709D1	F16BY03127
4500	General Ag	588710D1	F16BY03128
4500	Low Ground Disturbance	588711D1	F16BY03227
4500	Low Ground Disturbance	588712D1	F16BY03228
4500	General Ag	588715D1	F18BY03229
4500	Low Ground Disturbance	588716D1	F18BY03230
4500	General Ag	588718D1	F20BY03231
4500	General Ag	N/A	F24BY03409
4500	General Ag	588622D1	F25BY03114
4500	Low Ground Disturbance	588720D1	F25BY03233
4500	General Ag	588723D1	F30BY03234
4500	General Ag	588726D1	F34BY03235
4500	Side Slope	N/A	F25BY03410
4500	Side Slope	N/A	F30BY03411
6500	High Roading/Extreme Tread	588707D1	E14BY03116
6500	High Roading/Extreme Tread	588708D1	E14BY03117
6500	High Roading/Extreme Tread	588713D1	E16BY03201
6500	High Roading/Extreme Tread	588714D1	E16BY03202
6500	High Roading/Extreme Tread	588717D1	E18BY03203
6500	High Roading/Extreme Tread	588719D1	E20BY03232
6500	General Ag	588721D1	E25BY03115
6500	High Roading/Extreme Tread	588722D1	E25BY03204
6500	General Ag	588724D1	E30BY03205
6500	High Roading/Extreme Tread	588725D1	E30BY03206
6500	General Ag	588727D1	E34BY03207

The tracks are tensioned by a nitrogen accumulator and hydraulic cylinder. Track tension pressure should be maintained at 2950 psi (20,339 kPa). Track tension pressure can be monitored utilizing the tractor monitor screen. High and low pressure alarms warn the operator of potential issues.

Correct track tension pressure should be maintained to reduce damage to the tracks. Refer to the Operation and Maintenance Manual (OMM) for procedures to properly maintain track tension.

MT700 Series Track Selection [359 in (9118 mm) Track Circumference]:

MT738	MT740	MT743
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TRACK WIDTH	CARCASS THICKNESS*	GUIDE LUGS	TREAD BARS	TREAD BAR HEIGHT
16	1.22 in (31 mm)	48	94	2.3 in (58 mm)
18	1.22 in (31 mm)	48	94	2.3 in (58 mm)
25	1.22 in (31 mm)	48	94	2.3 in (58 mm)
30	1.14 in (29 mm)	48	94	2.3 in (58 mm)
16	1.45 in (37 mm)	48	47	2.7 in (68 mm)
16	1.45 in (37 mm)	48	47	2.7 in (68 mm)
16	1.45 in (37 mm)	48	66	1.6 in (41 mm)
16	1.45 in (37 mm)	48	66	1.6 in (41 mm)
18	1.45 in (37 mm)	48	94	2.7 in (68 mm)
18	1.45 in (37 mm)	48	132	1.6 in (41 mm)
20	1.45 in (37 mm)	48	94	2.7 in (68 mm)
24	1.45 in (37 mm)	48	94	2.7 in (68 mm)
25	1.45 in (37 mm)	48	94	2.7 in (68 mm)
25	1.45 in (37 mm)	48	132	1.6 in (41 mm)
30	1.45 in (37 mm)	48	94	2.7 in (68 mm)
34	1.45 in (37 mm)	48	94	2.7 in (68 mm)
25	1.45 in (37 mm)	48	94	2.7 in (68 mm)
30	1.45 in (37 mm)	48	94	2.7 in (68 mm)
14	1.73 in (44 mm)	48	47	3.0 in (75 mm)
14	1.73 in (44 mm)	48	47	3.0 in (75 mm)
16	1.73 in (44 mm)	48	47	3.0 in (75 mm)
16	1.73 in (44 mm)	48	47	3.0 in (75 mm)
18	1.73 in (44 mm)	48	94	3.0 in (75 mm)
20	1.65 in (42 mm)	48	94	3.0 in (75 mm)
25	1.65 in (42 mm)	48	94	2.7 in (68 mm)
25	1.65 in (42 mm)	48	94	3.0 in (75 mm)
30	1.65 in (42 mm)	48	94	2.7 in (68 mm)
30	1.65 in (42 mm)	48	94	3.0 in (75 mm)
34	1.65 in (42 mm)	48	94	2.7 in (68 mm)

Camso 2500 Series (General Ag)



The Camso 2500 Series is a track with the basic features of the 4500 Series but offered with reduced height tread bars, and is targeted for customers looking at lowest initial cost track replacement.

This track performs well in light primary and secondary tillage applications. This track is an excellent track for use in the older, lower usage tractors.

This track utilizes the same premium rubber compounds and materials as the 4500 and 6500 Series. This track utilizes the standard main cable size and standard carcass construction.

AVAILABLE SIZES
16 in (406 mm)
18 in (457 mm)
25 in (635 mm)
30 in (762 mm)
TREAD BAR HEIGHT
2.3 in (58 mm)
TREAD BARS
94
TREAD BAR TIP WIDTH
1.6 in (41 mm)
TREAD BAR PITCH
7.7 in (196 mm)
GUIDE LUGS
48
GUIDE LUG LENGTH
4.7 in (114 mm)
CARCASS THICKNESS
1.14 in (29 mm)*
1.22 in (31 mm)**

* 30 in tracks

** 16, 18 & 25 in tracks

Camso 4500 Series (General Ag)



The 4500 Series track provides optimum flotation, traction, and track life for most applications. This all-purpose track performs well in a wide range of conditions.

This design is equipped with 46, 4.7 inch (120 mm) long guide lugs and 92, 2.7 inch (68.5 mm) tall tread bars. These features work together to provide an excellent ride with superior track alignment, traction and self-cleaning in wet or sticky conditions.

Camso 4500 Series were designed to reduce cost of operation by increasing the life of the track carcass. The Camso 4500 Series tracks have an improved carcass construction providing improved protection of the main cables and support of the track. The guide lugs were also improved, providing an improvement in guide lug life and appearance.

To maximize track life and improve self-cleaning capabilities on narrow tracks, two tread bar patterns are offered. The 16 inch (406 mm) track width uses a diagonal pattern with tread bars running the width of the track. All wider tracks use the chevron tread bar pattern.

AVAILABLE SIZES
16 in (406 mm)
18 in (457 mm)
20 in (508 mm)
24 in (610 mm)
25 in (635 mm)
30 in (762 mm)
34 in (864 mm)
TREAD BAR HEIGHT
2.7 in (68 mm)
TREAD BARS
47 and 94
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
7.7 in (196 mm)
GUIDE LUGS
48
GUIDE LUG LENGTH
4.7 in (120 mm)
CARCASS THICKNESS
1.45 in (37 mm)

* 16 in tracks;
diagonal design

Camso 4500 Series (Low Ground Disturbance)



The low ground disturbance tread bar tracks perform best on hard surfaces like hay fields and can be used on gravel, asphalt, and concrete where little surface disturbance is desired. The track features more tread bars that are shorter and wider, providing limited traction while being gentler on the soil and crop surface.

Think about how you plan to use your Challenger MT700 Series tractor when considering this track. The shorter, wider tread bars may increase slip and reduce traction and drawbar performance in some field conditions. In wet situations, the self-cleaning capabilities can be diminished, further reducing traction.

Camso 4500 Series were designed to reduce cost of operation by increasing the life of the track carcass. The Camso 4500 Series tracks have an improved carcass construction providing improved protection of the main cables and support of the track. The guide lugs were also improved, providing an improvement in guide lug life and appearance.

AVAILABLE SIZES
16 in (406 mm)
18 in (457 mm)
25 in (635 mm)
TREAD BAR HEIGHT
1.5 in (38 mm)
TREAD BARS
66* and 132
TREAD BAR TIP WIDTH
2.76 in (70 mm)
TREAD BAR PITCH
5.5 in (139 mm)
GUIDE LUGS
48
GUIDE LUG LENGTH
4.7 in (120 mm)
CARCASS THICKNESS
1.45 in (37 mm)

*16 in tracks

Camso 4500 Series (Side Slope)



The Camso 4500 Series Side Slope tracks are designed specifically to increase guide lug life of track tractors operating on steep side slopes. The track provides the features of the Camso 4500 Series (General Ag) tracks but has the longer guide lugs of the Camso 6500 Series tracks for improved detracking resistance and increased wear area. The longer guide lugs provide greater life and side load resistance on steep side slopes, improving overall track life and decreasing your cost of operation in these adverse conditions.

In many cases, customers would use the heavy duty Camso 5500 Series tracks (and now the Camso 6500 Series tracks) in side slope applications for the longer guide lugs and improved side load capabilities. The Camso 4500 Series provides the side slope capability of the Camso 5500 or 6500 Series tracks with the features, benefits, and price point of the Camso 4500 Series (General Ag) tracks.

AVAILABLE SIZES
25 in (635 mm)
30 in (762 mm)
TREAD BAR HEIGHT
2.7 in (68 mm)
TREAD BARS
94
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
7.8 in (198 mm)
GUIDE LUGS
48
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.45 in (37 mm)

Camso 6500 Series (High Roading/Extreme Tread)



Built for use in extreme conditions, the new Camso 6500 Series tracks are specifically designed to improve track carcass life in the most demanding applications. This track is the right choice for your narrow row crop and furrow applications where a lot of material is ingested into the track.

The Camso 6500 Series tracks feature an improved carcass construction that greatly reduces the damage reaching the main cables. By reducing the damage that reaches the main cables, track life is improved and overall cost of operation is decreased. The new track carcass features Camso's new puncture resistant rubber compound and other carcass improvements have shown in testing to reduce damage reaching the main cables by more than 25%.

The Camso 6500 Series 14, 16, and 18 inch wide tracks utilize the largest main cable in the industry. This extreme duty cable is 24% larger than the cable used in the 5500 Series tracks, making it the strongest track in the market for its width.

The Camso Series tracks feature the longer 5.5 inch (140 mm) guide lugs for superior track retention and guide lug life in demanding applications. The shape of the guide lugs have been improved as well, improving guide lug strength and appearance.

AVAILABLE SIZES
14.5 in (356 mm)
16 in (406 mm)
18 in (457 mm)
20 in (508 mm)
25 in (635 mm)
30 in (762 mm)
TREAD BAR HEIGHT
3.0 in (75 mm)
TREAD BARS
47* and 94
TREAD BAR TIP WIDTH
2.5 in (40 mm)
TREAD BAR PITCH
7.7 in (196 mm)
GUIDE LUGS
48
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.73 in & **1.65 in (44 mm and 42 mm)

* 14.5 in and 16 in are standard with the single diagonal tread bar.

**25 in and 30 in tracks

Camso 6500 Series (General Ag)



Built for use in tough conditions, this 6500 Series track is designed with the carcass and guide lugs of the 6500 Series tracks but with the general ag tread. These features work together to provide an excellent ride with superior strength, traction, and self-cleaning in wet or sticky conditions.

The tread bar design is the same as the 4500 Series tracks which allows this track to perform well in muddy/sticky soil conditions.

The Camso 6500 Series tracks feature an improved carcass construction that greatly reduces the damage reaching the main cables. By reducing the damage that reaches the main cables, track life is improved and overall cost of operation is decreased. The new track carcass features Camso's new puncture resistant rubber compound and other carcass improvements have shown in testing to reduce damage reaching the main cables by more than 25%.

The Camso 6500 Series tracks feature the longer 5.5 inch (140 mm) guide lugs for superior track retention and guide lug life in demanding applications. The shape of the guide lugs have been improved as well, improving guide lug strength and appearance.

AVAILABLE SIZES
25 in (635 mm)
30 in (762 mm)
34 in (864 mm)
TREAD BAR HEIGHT
2.7 in (68 mm)
TREAD BARS
94
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
7.7 in (196 mm)
GUIDE LUGS
48
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.65 in (42 mm)

**MT700 Series Track Cross Reference (Current Tracks)
359 in Track Circumference**

TRACK SERIES	TRACK DESCRIPTION	CURRENT AGCO P/N	CURRENT CAMSO P/N	TRACK WIDTH
2500	General Ag	N/A	A16BY03405	16
2500	General Ag	N/A	A18BY03406	18
2500	General Ag	N/A	A25BY03407	25
2500	General Ag	N/A	A30BY03408	30
4500	General Ag	588709D1	F16BY03127	16
4500	General Ag	588710D1	F16BY03128	16
4500	Low Ground Disturbance	588711D1	F16BY03227	16
4500	Low Ground Disturbance	588712D1	F16BY03228	16
4500	General Ag	588715D1	F18BY03229	18
4500	Low Ground Disturbance	588716D1	F18BY03230	18
4500	General Ag	588718D1	F20BY03231	20
4500	General Ag	N/A	F24BY03409	24
4500	General Ag	588622D1	F25BY03114	25
4500	Low Ground Disturbance	588720D1	F25BY03233	25
4500	General Ag	588723D1	F30BY03234	30
4500	General Ag	588726D1	F34BY03235	34
4500	Side Slope	N/A	F25BY03410	25
4500	Side Slope	N/A	F30BY03411	30
6500	High Roading/Extreme Tread	588707D1	E14BY03116	14
6500	High Roading/Extreme Tread	588708D1	E14BY03117	14
6500	High Roading/Extreme Tread	588713D1	E16BY03201	16
6500	High Roading/Extreme Tread	588714D1	E16BY03202	16
6500	High Roading/Extreme Tread	588717D1	E18BY03203	18
6500	High Roading/Extreme Tread	588719D1	E20BY03232	20
6500	General Ag	588721D1	E25BY03115	25
6500	High Roading/Extreme Tread	588722D1	E25BY03204	25
6500	General Ag	588724D1	E30BY03205	30
6500	High Roading/Extreme Tread	588725D1	E30BY03206	30
6500	General Ag	588727D1	E34BY03207	34

COMPARABLE AGCO TRACK P/N	COMPARABLE TRACK SERIES
-	-
-	-
-	-
-	-
601902D1	3500
601903D1	3500
601904D1	3500
601905D1	3500
601908D1	3500
601909D1	3500
601911D1	3500
-	-
601913D1	3500
601914D1	3500
601917D1	3500
601920D1	3500
-	-
-	-
-	-
601906D1	5500
601907D1	5500
601910D1	5500
601912D1	5500
601915D1	5500
601916D1	5500
601918D1	5500
601919D1	5500
601921D1	5500

MT700 Track Series vs Application Matrix (Track Type)

	APPLICATION/OPERATION DESCRIPTION	CAMSO 2500
Soil Types	Hard packed clay	Not recommended
	Silt/loam	OK to use
	Sticky and wet ground conditions	Not recommended
	Gumbo	Not recommended
	Rocky/Abrasive	Not recommended
	Gravel	Not recommended
	Sandy	OK to use
	Snow/Ice	OK to use
Field Conditions	Minimal ground disturbance/Berming	OK to use
	Extreme cold	OK to use
	In furrow applications	Not recommended
	Short fields, applications requiring a lot of turning	Not recommended
	Flat land farming, slopes up to 10%	OK to use
	Moderate side slope applications, slopes from 10 to 25%	Not recommended
Severe side slope applications, slopes greater than 25%	Not recommended	
Road Travel	Small amount of roading, most field and travel distances within 5 mile radius	Recommended
	Moderate amount of roading, most field and travel distances between 5 and 10 mile radius	OK to use
	High amount of roading, typically travel in excess of 10 miles	Not recommended
Crop Types	Wheat/Cereal grains	OK to use
	Corn/Sorghum	OK to use
	Soybeans	OK to use
	Alfalfa/Grasses/Switchgrass	OK to use
	Cotton	Not recommended
	Sunflowers	Not recommended
	Rice	Not recommended
	Sugarcane	Not recommended
	Sugar beets	OK to use
	Vegetables	OK to use

CAMSO 4500 (Low Ground Disturbance)	CAMSO 4500 (General Ag)	CAMSO 6500 (High Roading/Extreme Tread)	CAMSO 6500 (General Ag)
OK to use	Not recommended	Recommended	Not recommended
OK to use	Recommended	OK to use	Recommended
Not recommended	OK to use	Not recommended	Recommended
Not recommended	OK to use	Not recommended	Recommended
Not recommended	Not recommended	Recommended	Recommended
Not recommended	Not recommended	Recommended	Recommended
Not recommended	OK to use	Recommended	Recommended
Not recommended	OK to use	Recommended	OK to use
Recommended	OK to use	Not recommended	OK to use
Not recommended	Recommended	Not recommended	Not recommended
Not recommended	Not recommended	Recommended	Not recommended
Not recommended	Not recommended	Recommended	Recommended
OK to use	Recommended	Recommended	Recommended
Not recommended	Recommended – 4500 Series Side Slope Only	Recommended	Recommended
Recommended	Recommended	Recommended	Recommended
OK to use	Recommended	Recommended	Recommended
Not recommended	OK to use	Recommended	OK to use
OK to use	Recommended	Recommended	Recommended
OK to use	Recommended	Recommended	Recommended
Recommended	Recommended	OK to use	Recommended
Not recommended	OK to use	Recommended	OK to use
Not recommended	OK to use	Recommended	OK to use
Not recommended	Recommended	OK to use	Recommended
Not recommended	OK to use	Recommended	OK to use
Not recommended	OK to use	Recommended	Recommended
Not recommended	Not recommended	Recommended	OK to use

MT700 Track Series vs Application Matrix (Track Type)

(Cont'd)

	APPLICATION/OPERATION DESCRIPTION	CAMSO 2500
Applications	Primary tillage (deep ripping, chisel plow, etc.)	Not recommended
	Secondary tillage (field cultivator, disk, roller, etc.)	OK to use
	Fully mounted roll over plow	Not recommended
	Row crop planter	OK to use
	Air seeder	OK to use
	Manure tank	Not recommended
	Grain cart	OK to use
	Tile plow	Not recommended
	Spraying	Recommended
	Hay baling	Recommended
	Stalk chopper/Brush hog	OK to use
	Vegetable bedder	OK to use
	Front blade – Silage	Not recommended
	Forage harvester	OK to use
	Snow grooming	OK to use
	Agricultural scraper	Not recommended
Commercial scraper	Not recommended	
Forestry	Not recommended	
Non-agricultural applications	Not recommended	

CAMSO 4500 (Low Ground Disturbance)	CAMSO 4500 (General Ag)	CAMSO 6500 (High Roading/ Extreme Tread)	CAMSO 6500 (General Ag)
Not recommended	Recommended	Recommended	Recommended
Not recommended	Recommended	Recommended	Recommended
Not recommended	Not recommended	Recommended	Recommended
OK to use	Recommended	Recommended	Recommended
OK to use	Recommended	Recommended	Recommended
Not recommended	OK to use	Recommended	OK to use
OK to use	Recommended	Recommended	Recommended
Not recommended	Not recommended	Recommended	Recommended
Recommended	Recommended	OK to use	Recommended
Recommended	Recommended	OK to use	Recommended
Not recommended	OK to use	Recommended	OK to use
Not recommended	Not recommended	Recommended	Not recommended
Not recommended	Not recommended	Recommended	Recommended
OK to use	Recommended	OK to use	Recommended
Not recommended	Recommended	OK to use	Recommended
Not recommended	Not recommended	Recommended	OK to use
Not recommended	Not recommended	Not recommended	Not recommended
Not recommended	Not recommended	Recommended	Not recommended
Not recommended	Not recommended	Recommended	Not recommended

MT700 Track Series vs Application Matrix (Track Width)

	APPLICATION/OPERATION DESCRIPTION	14 in (356 mm)
Field Conditions	Minimal ground disturbance/Berming	Not recommended
	Extreme cold	Not recommended
	In furrow applications	OK to use
	Short fields, applications requiring a lot of turning	OK to use
	Flat land farming, slopes up to 10%	OK to use
	Moderate side slope applications, slopes from 10 to 25%	OK to use
	Severe side slope applications, slopes greater than 25%	Not recommended
Road Travel	Small amount of roading, most field and travel distances within 5 mile radius	OK to use
	Moderate amount of roading, most field and travel distances between 5 and 10 mile radius	OK to use
	High amount of roading, typically travel in excess of 10 miles	Not recommended
Applications	Primary tillage (deep ripping, chisel plow, etc.)	Not recommended
	Secondary tillage (field cultivator, disk, roller, etc.)	Not recommended
	Fully mounted roll over plow	Not recommended
	Row crop planter	OK to use
	Air seeder	Not recommended
	Manure tank	Not recommended
	Grain cart	Not recommended
	Tile plow	Not recommended
	Spraying	OK to use
	Hay baling	Not recommended
	Stalk chopper/Brush hog	OK to use
	Vegetable bedder	OK to use
	Front blade – Silage	Not recommended
	Forage harvester	OK to use
	Snow grooming	Not recommended
	Agricultural scraper	Not recommended
	Commercial scraper	Not recommended
Forestry	Not recommended	
Non-agricultural applications	Not recommended	

	16 in (406 mm)	18 in and 24 in (457 mm and 610 mm)	25 in, 30 in, and 34 in (635 mm, 762 mm, and 863 mm)
	OK to use	OK to use	OK to use
	OK to use	OK to use	OK to use
	OK to use	OK to use	Not recommended
	OK to use	OK to use	OK to use
	OK to use	OK to use	OK to use
	OK to use	OK to use	OK to use
	Not recommended	Not recommended	OK to use
	OK to use	OK to use	OK to use
	OK to use	OK to use	OK to use
	OK to use	OK to use	OK to use
	Not recommended	OK to use	Recommended
	Not recommended	OK to use	OK to use
	Not recommended	OK to use	Recommended
	OK to use	OK to use	OK to use
	Not recommended	OK to use	OK to use
	Not recommended	OK to use	OK to use
	Not recommended	OK to use	OK to use
	OK to use	OK to use	OK to use
	OK to use	OK to use	OK to use
	OK to use	OK to use	OK to use
	Not recommended	OK to use	OK to use
	OK to use	OK to use	OK to use
	Not recommended	OK to use	OK to use
	Not recommended	OK to use	OK to use
	Not recommended	OK to use	OK to use
	Not recommended	OK to use	OK to use
	Not recommended	OK to use	OK to use
	Not recommended	OK to use	OK to use

CHALLENGER MT800 SERIES SPECIFICATIONS AND INFORMATION



General Facts

- Produced since 2002
- 350 - 585 HP
- 90 in – 128 in gauge

Track System Service Information

Alignment adjusting screw

- Adjusting bolt (torque 150 ft-lbs / 200 N-m)
- Front idler and drive wheel bolts (torque 590 ft-lbs / 800 N-m)
- Front idler weights bolt (standard torque)

NOTE: For machines with few idler weights installed, the idler wheel can be removed to remove/replace a track. If several idler weights are installed, it is recommended to remove the drive wheel to remove/replace a track.

Camso Detensioning Tools and Service Literature

CST-0100 Camso Detensioning Kit
CPB-0305 Removal / Installation Guide



Machine Serial Number Location

Machine Specific Notes

- These machines can be equipped with medium, or wide rolling stock. Not all rolling stock is compatible with all tracks. Refer to section titled “compatibility matrix” in the wheel section to determine track vs rolling stock compatibility.
- For correct alignment, it is critical to set the gauge width correctly. If misalignment is an issue, first check that the roller frames are positioned accurately before trying to change front idler alignment.
- When de-tensioning / tensioning it is critical you use the air bleed to remove all air from the system, and check accumulator pre-charge pressure.
- Track tension should be set at 2950 psi. During operation, track tension will change. It is important that the track tension stay between 2200 psi and 3800 psi to prevent track damage. Track tension can be viewed by the operator through the electronic display. The electronic display also records if the track tension drops below 2200 psi or exceeds 3800 psi.

MT800 TRACK SELECTION



Every operation demands efficiency and reliability. In order to balance track life, flotation and compaction, Camso offers a range of tracks to customize your tractor to your operation.

Six track styles are available in four widths. These tracks include:

- Camso 2500 Series (General Ag)
- Camso 4500 Series (General Ag)
- Camso 4500 Series (Side Slope)
- Camso 6500 Series (High Roading/Extreme Tread)
- Camso 6500 Series (General Ag)
- Camso 6500 Series (Scraper)

TRACK SERIES	TRACK DESCRIPTION	AGCO P/N	CAMSO P/N
2500	General Ag	ACP0316970	A27AS03296
2500	General Ag	ACP0316980	A30AS03297
4500	General Ag	-	F25AS03179
4500	General Ag	581861D1	F27AS02998
4500	General Ag	581864D1	F30AS03001
4500	General Ag	581868D1	F36AS03003
4500	Side Slope	-	F27AS02931
4500	Side Slope	-	F30AS02933
6500	High Roading/Extreme Tread	581860D1	E18AS02930
6500	High Roading/Extreme Tread	581862D1	E27AS02997
6500	High Roading/Extreme Tread	581866D1	E30AS03000
6500	High Roading/Extreme Tread	581870D1	E36AS03002
6500	General Ag	-	E25AS03180
6500	General Ag	581863D1	E27AS02996
6500	General Ag	581867D1	E30AS02999
6500	Scraper	581865D1	E30AS02932
6500	Scraper	581869D1	E36AS02934

The tracks are tensioned by a nitrogen accumulator and hydraulic cylinder. Track tension pressure should be maintained at 2950 psi (20,339 kPa). This creates a track tension of 26,000 lbs (11,800 kg). Track tension pressure can be monitored utilizing the tractor monitor screen on most MT800 Series Tractors. High and low pressure alarms warn the operator of potential issues.

Correct track tension pressure should be maintained to reduce damage to the tracks. Reference the tractor's Operation and Maintenance Manual (OMM) for procedures to properly maintain track tension.

MT800 Models [392 in (9956 mm) Track Circumference]:

MT835	MT835B	MT835C	MT845	MT845B
MT845C	MT845E	MT855	MT855B	MT855C
MT855E	MT865	MT865B	MT865C	MT865E
MT875B	MT875C	MT875E		

TRACK WIDTH	CARCASS THICKNESS*	GUIDE LUGS	TREAD BARS	TREAD BAR HEIGHT*
27.5 in (699 mm)	1.22 in (31 mm)	52	100	2.3 in (58 mm)
30 in (762 mm)	1.14 in (29 mm)	52	100	2.3 in (58 mm)
25.5 in (648 mm)	1.45 in (37 mm)	52	100	2.7 in (68 mm)
27.5 in (699 mm)	1.45 in (37 mm)	52	100	2.7 in (68 mm)
30 in (762 mm)	1.45 in (37 mm)	52	100	2.7 in (68 mm)
36 in (914 mm)	1.45 in (37 mm)	52	100	2.7 in (68 mm)
27.5 in (699 mm)	1.45 in (37 mm)	52	100	2.7 in (68 mm)
30 in (762 mm)	1.45 in (37 mm)	52	100	2.7 in (68 mm)
18 in (457 mm)	1.73 in (44 mm)	52	100	3.0 in (75 mm)
27.5 in (699 mm)	1.65 in (42mm)	52	100	3.0 in (75 mm)
30 in (762 mm)	1.65 in (42mm)	52	100	3.0 in (75 mm)
36 in (914 mm)	1.65 in (42mm)	52	100	3.0 in (75 mm)
25.5 in (648 mm)	1.65 in (42mm)	52	100	2.7 in (68 mm)
27.5 in (699 mm)	1.65 in (42mm)	52	100	2.7 in (68 mm)
30 in (762 mm)	1.65 in (42mm)	52	100	2.7 in (68 mm)
30 in (762 mm)	1.73 in (44 mm)	52	100	2.2 in (57 mm)
36 in (914 mm)	1.73 in (44 mm)	52	100	2.2 in (57 mm)

* Nominal dimensions - actual dimensions may vary within a tolerance.

Camso 2500 Series (General Ag)



The Camso 2500 Series is a track with the basic features of the 4500 Series but offered with reduced height tread bars, and is targeted for customers looking at lowest initial cost track replacement.

This track performs well in light primary and secondary tillage applications. This track is an excellent track for use in the older, lower usage tractors.

This track utilizes the same premium rubber compounds and materials as the 4500 and 6500 Series. This track utilizes the standard main cable size and standard carcass construction.

AVAILABLE SIZES
27.5 in (699 mm)
30 in (762 mm)
TREAD BAR HEIGHT
2.3 in (58 mm)
TREAD BARS
100
TREAD BAR TIP WIDTH
1.6 in (4156 mm)
TREAD BAR PITCH
8 in (204 mm)
GUIDE LUGS
52
GUIDE LUG LENGTH
4.7 in (114 mm)
CARCASS THICKNESS
1.14 in (29 mm)**
1.22 in (31 mm)*

* 27.5 in tracks

** 30 in tracks

Camso 4500 Series (General Ag)



The Camso 4500 Series tracks are an all-purpose design intended to fit most applications and field conditions. It provides excellent flotation, traction and track life for tractors used in a wide range of applications.

Each track includes 52 4.7 inch (120 mm) long guide lugs and 100, 2.8 inch (71 mm) tall tread bars. These features equip each tractor with self-cleaning capabilities and traction, along with a smooth ride.

Camso 4500 Series were designed to reduce cost of operation by increasing the life of the track carcass. The Camso 4500 Series tracks have an improved carcass construction providing improved protection of the main cables and support of the track. The guide lugs were also improved, providing an improvement in guide lug life and appearance.

To maximize track life and improve self-cleaning capabilities on narrow tracks, two tread bar patterns are offered. The 16 inch (406 mm) track width uses a diagonal pattern with tread bars running the width of the track. All wider tracks use the chevron tread bar pattern.

AVAILABLE SIZES
25.5 in (648 mm)
27.5 in (699 mm)
30 in (762 mm)
36 in (914 mm)
TREAD BAR HEIGHT
2.7 in (68 mm)
TREAD BARS
100
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
8 in (204 mm)
GUIDE LUGS
52
GUIDE LUG LENGTH
4.7 in (120 mm)
CARCASS THICKNESS
1.45 in (37 mm)

Camso 4500 Series (Side Slope)



The Camso 4500 Series Side Slope tracks are designed specifically to increase guide lug life of track tractors operating on steep side slopes. The track provides the features of the Camso 4500 Series (General Ag) tracks but has the longer guide lugs for improved detracking resistance and increased wear area. The longer guide lugs provide greater life and side load resistance on steep side slopes, improving overall track life and decreasing your cost of operation in these adverse conditions.

In many cases, customers have had to use the heavy duty Camso 5500 Series tracks in side slope applications for the longer guide lugs and improved side load capabilities. The Camso 4500 Series provides the side slope capability of the Camso 5500 or 6500 Series tracks with the features, benefits, and price point of the Camso 3500/4500 Series (General Ag) tracks.

AVAILABLE SIZES
27.5 in (699 mm)
30 in (762 mm)
TREAD BAR HEIGHT
2.7 in (68 mm)
TREAD BARS
100
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
8 in (204 mm)
GUIDE LUGS
52
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.45 in (37 mm)

Camso 6500 Series (High Rounding/Extreme Tread)



Built for use in extreme conditions, the new Camso 6500 Series tracks are specifically designed to improve track carcass life in the most demanding applications. This track is the right choice for your row crop applications.

The Camso 6500 Series tracks feature an improved carcass construction that greatly reduces the damage reaching the main cables. By reducing the damage that reaches the main cables, track life is improved and overall cost of operation is decreased. The new track carcass features Camso's new puncture resistant rubber compound and other carcass improvements have shown in testing to reduce damage reaching the main cables by 25%.

The 18 inch (457 mm) Camso 6500 Series tracks utilize the largest main cable in the industry. The extreme duty cable is 24% larger than the cable used in the 5500 Series tracks, making it the strongest track in the market for its width.

The Camso 6500 Series tracks feature the longer 5.5 inch (140 mm) guide lugs for superior track retention and guide lug life in demanding applications. The shape of the guide lugs has been improved as well, improving guide lug strength and appearance.

AVAILABLE SIZES
18 in (457 mm)
27 in (699 mm)
30 in (762 mm)
36 in (914 mm)
TREAD BAR HEIGHT
3.0 in (75 mm)
TREAD BARS
100
TREAD BAR TIP WIDTH
2.5 in (40 mm)
TREAD BAR PITCH
8 in (204 mm)
GUIDE LUGS
52
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
*1.73 in & 1.65 in (44 mm & 42 mm)

* 18 in tracks

Camso 6500 Series (General Ag)



Built for use in tough conditions, the Camso 6500 Series track is designed with the carcass and guide lugs of the 6500 Series tracks but with the tread of the 4500 series tracks. These features work together to provide an excellent ride with superior strength, traction, and self-cleaning in wet or sticky conditions.

The tread bar design is the same as the 4500 Series tracks which allows this track to perform well in muddy/sticky soil conditions.

The Camso 6500 Series tracks feature an improved carcass construction that greatly reduces the damage reaching the main cables. By reducing the damage that reaches the main cables, track life is improved and overall cost of operation is decreased. The new track carcass features Camso's new puncture resistant rubber compound and other carcass improvements have shown in testing to reduce damage reaching the main cables by more than 25%.

The Camso 6500 Series tracks feature the longer 5.5 inch (140 mm) guide lugs for superior track retention and guide lug life in demanding applications. The shape of the guide lugs has been improved as well, improving guide lug strength and appearance.

AVAILABLE SIZES
25.5 in (648 mm)
27.5 in (699 mm)
30 in (762 mm)
TREAD BAR HEIGHT
2.8 in (68,5 mm)
TREAD BARS
100
TREAD BAR TIP WIDTH
1.6 in (40 mm)
TREAD BAR PITCH
8 in (204 mm)
GUIDE LUGS
52
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.61 in (41 mm)

Camso 6500 Series (Scraper)



Built for the toughest conditions of agricultural tractor scraper applications, this track has specifically designed layers of rubber on the inside surface to provide improved puncture resistance. This reduces the possibility of damaging the main cables, improving overall track life.

The Camso 6500 Series tracks utilize the largest main cable in the industry. The extreme duty cable is 24% larger than the cable used in the 5500 Series tracks, making it the strongest track in the market and best in class track for scraper applications.

For superior track retention and track life on sidehills, the 6500 Series track employs longer, 5.5 inch (140 mm) guide lugs.

Due to the extreme loads transferred from the scraper to the tractors, the tread bars are 2.25 inch (57 mm) tall. This allows the track to slip reducing loads on the powertrain and track, increasing overall track life.

In hard soil conditions, the tread bar may not achieve much penetration into the surface. The drawbar load is then transferred to the ground through the tip of the tread bar. This may cause the tread bar to fatigue over time and reduce the life of the track. The design of the tread bars reduce the loads on the base of the tread bar, resulting in improved track life in scraper applications.

AVAILABLE SIZES
30 in (762 mm)
36 in (914 mm)
TREAD BAR HEIGHT
2.2 in (57 mm)
TREAD BARS
100
TREAD BAR TIP WIDTH
2.8 in (71 mm)
TREAD BAR PITCH
8 in (204 mm)
GUIDE LUGS
52
GUIDE LUG LENGTH
5.5 in (140 mm)
CARCASS THICKNESS
1.73 in (44 mm)

MT800 Track Series vs Application Matrix (Track Type)

	APPLICATION/OPERATION DESCRIPTION	CAMSO 2500
Soil Types	Hard packed clay	Not recommended
	Silt/Loam	OK to use
	Sticky and wet ground conditions	Not recommended
	Gumbo	Not recommended
	Rocky/Abrasive	Not recommended
	Gravel	Not recommended
	Sandy	OK to use
	Snow/Ice	OK to use
Field Conditions	Minimal ground disturbance/berming	OK to use
	Extreme cold	OK to use
	In furrow applications	Not recommended
	Short fields, applications requiring a lot of turning	Not recommended
	Flat land farming, slopes up to 10%	OK to use
	Moderate side slope applications, slopes from 10 to 25%	Not recommended
Severe side slope applications, slopes greater than 25%	Not recommended	
Road Travel	Small amount of roading, most field and travel distances within 5 mile radius	Recommended
	Moderate amount of roading, most field and travel distances between 5 and 10 mile radius	OK to use
	High amount of roading, typically travel in excess of 10 miles	Not recommended
Crop Types	Wheat/Cereal grains	OK to use
	Corn/Sorghum	OK to use
	Soybeans	OK to use
	Alfalfa/Grasses/Switchgrass	OK to use
	Cotton	Not recommended
	Sunflowers	Not recommended
	Rice	Not recommended
	Sugarcane	Not recommended
	Sugar beets	OK to use
	Vegetables	OK to use

CAMSO 4500 (General Ag)	CAMSO 6500 (High Roading/Extreme Tread)	CAMSO 6500 (General Ag)	CAMSO 6500 (Scraper)
Not recommended	Recommended	Not recommended	OK to use
Recommended	OK to use	Recommended	OK to use
OK to use	Not recommended	Recommended	OK to use
OK to use	Not recommended	Recommended	OK to use
Not recommended	Recommended	Recommended	OK to use
Not recommended	Recommended	Recommended	OK to use
OK to use	Recommended	Recommended	OK to use
OK to use	Recommended	OK to use	OK to use
OK to use	Not recommended	OK to use	Not recommended
Recommended	Not recommended	Not recommended	Not recommended
Not recommended	Recommended	Not recommended	Not recommended
Not recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
Recommended – 4500 Series Side Slope Only	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
OK to use	Recommended	OK to use	Not recommended
Recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
OK to use	Recommended	OK to use	OK to use
OK to use	Recommended	OK to use	OK to use
Recommended	OK to use	Recommended	OK to use
OK to use	Recommended	OK to use	OK to use
OK to use	Recommended	Recommended	OK to use
Not recommended	Recommended	OK to use	OK to use

MT800 Track Series vs Application Matrix (Track Type)

(Cont'd)

	APPLICATION/OPERATION DESCRIPTION	CAMSO 2500
Applications	Primary tillage (deep ripping, chisel plow, etc.)	Not recommended
	Secondary tillage (field cultivator, disk, roller, etc.)	OK to use
	Fully mounted roll over plow	Not recommended
	Row crop planter	OK to use
	Air seeder	OK to use
	Manure tank	Not recommended
	Grain cart	OK to use
	Tile plow	Not recommended
	Spraying	Recommended
	Hay baling	Recommended
	Stalk chopper/Brush hog	OK to use
	Vegetable bedder	OK to use
	Front blade – Silage	Not recommended
	Forage harvester	OK to use
	Snow grooming	OK to use
	Agricultural scraper	Not recommended
Commercial scraper	Not recommended	
Forestry	Not recommended	
Non-agricultural applications	Not recommended	

CAMSO 4500 (General Ag)	CAMSO 6500 (High Roading/ Extreme Tread)	CAMSO 6500 (General Ag)	CAMSO 6500 (Scraper)
Recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
Not recommended	Not recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
OK to use	OK to use	OK to use	OK to use
Recommended	Recommended	Recommended	OK to use
Not recommended	Not recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
OK to use	OK to use	OK to use	OK to use
Not recommended	Not recommended	Not recommended	Not recommended
Not recommended	Not recommended	Recommended	Not recommended
Recommended	Recommended	Recommended	OK to use
Recommended	Recommended	Recommended	OK to use
Not recommended	Not recommended	OK to use	OK to use
Not recommended	Not recommended	Not recommended	Recommended
Not recommended	Not recommended	Not recommended	Recommended
Not recommended	Not recommended	Not recommended	Recommended

MT800 Track Series vs Application Matrix (Track Width)

APPLICATION/OPERATION DESCRIPTION	
Field Conditions	Minimal ground disturbance/Berming
	Extreme cold
	In furrow applications
	Short fields, applications requiring a lot of turning
	Flat land farming, slopes up to 10%
	Moderate side slope applications, slopes from 10 to 25%
	Severe side slope applications, slopes greater than 25%
Road Travel	Small amount of roading, most field and travel distances within 5 mile radius
	Moderate amount of roading, most field and travel distances between 5 and 10 mile radius
	High amount of roading, typically travel in excess of 10 miles
Applications	Primary tillage (deep ripping, chisel plow, etc.)
	Secondary tillage (field cultivator, disk, roller, etc.)
	Fully mounted roll over plow
	Row crop planter
	Air seeder
	Manure tank
	Grain cart
	Tile plow
	Spraying
	Haybaling
	Stalk chopper/Brush Hog
	Vegetable bedder
	Front blade – Silage
	Forage harvester
	Snow grooming
	Agricultural scraper
	Commercial scraper
	Forestry
Non-agricultural applications	

18 in and 25 in (457 mm and 648 mm)	27 in & 30 in (699 mm and 762 mm)	36 in (914 mm)
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use
OK to use	Not recommended	Not recommended
OK to use	OK to use	OK to use
OK to use	OK to use	OK to use
OK to use	OK to use	OK to use
Not recommended	OK to use	OK to use
OK to use	OK to use	OK to use
OK to use	OK to use	OK to use
Not recommended	OK to use	OK to use
OK to use	OK to use	OK to use
OK to use	OK to use	OK to use
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use
OK to use	OK to use	OK to use
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use
Not recommended	OK to use	OK to use

MT800 Series Track Cross Reference (Current Tracks)

TRACK SERIES	TRACK DESCRIPTION	CURRENT AGCO P/N	CURRENT CAMSO P/N	TRACK WIDTH
2500	General Ag	ACP0316970	A27AS03296	27.5 in (699 mm)
2500	General Ag	ACP0316980	A30AS03297	30 in (762 mm)
4500	General Ag	-	F25AS03179	25.5 in (648 mm)
4500	General Ag	581861D1	F27AS02998	27.5 in (699 mm)
4500	General Ag	581864D1	F30AS03001	30 in (762 mm)
4500	General Ag	581868D1	F36AS03003	36 in (914 mm)
4500	Side Slope	-	F27AS02931	27.5 in (699 mm)
4500	Side Slope	-	F30AS02933	30 in (762 mm)
6500	High Roding/ Extreme Tread	581860D1	E18AS02930	18 in (457 mm)
6500	High Roding/ Extreme Tread	581862D1	E27AS02997	27.5 in (699 mm)
6500	High Roding/ Extreme Tread	581866D1	E30AS03000	30 in (762 mm)
6500	High Roding/ Extreme Tread	581870D1	E36AS03002	36 in (914 mm)
6500	General Ag	-	E25AS03180	25.5 in (648 mm)
6500	General Ag	581863D1	E27AS02996	27.5 in (699 mm)
6500	General Ag	581867D1	E30AS02999	30 in (762 mm)
6500	Scraper	581865D1	E30AS02932	30 in (762 mm)
6500	Scraper	581869D1	E36AS02934	36 in (914 mm)

PREVIOUS PART NUMBERS		NEW OR IMPROVED FEATURES
CAMSO	AGCO	
-	-	New track option
-	-	New track option
-	-	New track option
636-2718	563765D1	Carcass construction, added 1 ply and guide lugs
636-3063	563766D1	Carcass construction, added 1 ply and guide lugs
636-3653	563767D1	Carcass construction and guide lugs
-	-	New track option
-	-	New track option
656-1836	554110D1	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
656-2716	554101D1	Carcass construction, puncture resistant inner carcass and guide lugs
656-3058	554102D1	Carcass construction, puncture resistant inner carcass and guide lugs
656-3648	554103D1	Carcass construction, puncture resistant inner carcass and guide lugs
-	-	New track option
656-2717	554113D1	Carcass construction, puncture resistant inner carcass and guide lugs
656-3059	554112D1	Carcass construction, puncture resistant inner carcass and guide lugs
696-3066	554096D1	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable
696-3651	554097D1	Carcass construction, puncture resistant inner carcass, guide lugs and extreme duty main cable

MT800 Series Track Cross Reference (Older Tracks)

CHALLENGER MT800 SERIES				
PREVIOUS CAMSO P/N	WIDTH	DESCRIPTION	PREVIOUS AGCO P/N	COMMENTS/ DESCRIPTION
656-1816 656-1836	18 in	Extreme App	1R-1388 508608D1 554110D1	Camso = AGCO version
636-2708 636-2718	27 in	General Ag	1R-1265 554089D1	Camso version: heavy duty cable
656-2707 656-2716	27 in	Extreme App	1R-1323 508597D1 554101D1	Camso = AGCO version
656-2710 656-2717	27 in	Extreme Ag	519314D1 554113D1	Camso = AGCO version
636-3029 636-3063	30 in	General Ag	1R-1266 554090D1	Camso version: heavy duty cable
656-3031 656-3058	30 in	Extreme App	1R-1325 508598D1 554102D1	Camso = AGCO version
696-3017 696-3056 696-3066	30 in	Special App	501186D1 554096D1	Camso Version: Improved puncture resistance ID layer
656-3045 656-3059	30 in	Extreme Ag	518709D1 554112D1	Camso = AGCO version
636-3621 636-3653	36 in	General Ag	1R-1267 554091D1	Camso version: heavy duty cable
656-3622 656-3648	36 in	Extreme App	1R-1360 508599D1 554103D1	Camso = AGCO version
696-3605 696-3644 696-3651	36 in	Special App	501196D1 554097D1	Camso Version: Improved puncture resistance ID layer

BOLT-ON REPLACEMENT GUIDE LUGS



- Used to replace missing or worn guide lugs on tracks with greater than 50% of tread life remaining.
- Guide lug design distributes forces across the entire length of the guide lug improving replacement guide lug durability and retainability.
- The retaining plate is designed to prevent damage to the guide lug when high stresses are applied to the guide lug.
- Guide lug material is the same material as the guide lugs on new tracks providing consistent wear.
- Bolt-on guide lugs can be an economical way to increase the life of tracks in certain conditions.

CAMSO P/N	AGCO P/N	MACHINE	DESCRIPTION
GLO7088	79035298	MT700	Challenger MT700 Bolt On Guide Lug Kit
GLO7089	79035299	MT800	Challenger MT800 Bolt On Guide Lug Kit

Please refer to the special instruction **CPB-318-Repair Guidelines and Procedures for Camso with Missing or Worn Guide Lugs** available from your Camso dealer/distributor for recommended guidelines for multiple guide lug replacement.

Bolt-on Guide Lug Kit Description

Each kit includes:

1. Replacement guide lug
2. Retaining plate
3. Bolts
4. Nuts
5. Washers
6. Installation Instructions

MT700/MT800 WHEEL SELECTION & USAGE

MT700

Designed to optimize performance and track life, three widths of wheel components are available on the Challenger MT700 Series tractors. Idlers, midrollers and drive wheels should be selected according to your applications from the available narrow, medium and wide wheels.

MT800

Two sizes of wheel components have been designed to increase efficiency and track life for the Challenger MT800 Series tractors. Idlers, midrollers and drivers are available in two styles- medium and wide-to match your applications. Wheel components should be chosen according to application and track width.

Compatibility Matrix Idler Wheel

TRACK WIDTH	IDLER WHEEL WIDTH		
	Narrow	Medium**	Wide
	4 in (102 mm)	5 in (127 mm)	8.4 in (213 mm)
14 in (356 mm)	Recommended	Not Compatible	Not compatible
16 in (406 mm)	OK to use	Recommended	Not compatible
18 in (457 mm)	OK to use	Recommended	Not compatible
20 in (508 mm)	OK to use	Recommended	Not compatible
24 in (610 mm)	Not recommended	Recommended	Not compatible
25 in (635 mm)	Not compatible	Recommended	Not recommended
27.5 in (699 mm)	Not compatible	Not recommended	Recommended
30 in (762 mm) MT700	Not compatible	Recommended	Not recommended
30 in (762 mm) MT800	Not compatible	Recommended	Not recommended
34 in (864 mm)	Not compatible	Not compatible	Recommended
36 in (914 mm)	Not compatible	Not compatible	Recommended

* The medium idler is recommended for MT700s with the 30 in track.
The medium idler is Not recommended for the MT800 with the 30 in track.

Compatibility Matrix Midroller

TRACK WIDTH	MIDROLLER WIDTH		
	Narrow	Medium	Wide
	4.3 in (109 mm)	5.2 in (132 mm)	8.8 in (224 mm)
14 in (356 mm)	Recommended	Not compatible	Not compatible
16 in (406 mm)	OK to use	Recommended	Not compatible
18 in (457 mm)	Not recommended	Recommended	Not compatible
20 in (508 mm)	Not recommended	Recommended	Not compatible
24 in (610 mm)	Not recommended	Recommended	Not recommended
25 in (635 mm) MT700	Not compatible	Not recommended	Recommended
25 in (635 mm) MT800	Not compatible	Recommended	Not compatible
27.5 in (699 mm)	Not compatible	Not compatible	Recommended
30 in (762 mm)	Not compatible	Not compatible	Recommended
34 in (864 mm)	Not compatible	Not compatible	Recommended
36 in (914 mm)	Not compatible	Not compatible	Recommended

Compatibility Matrix Drive Wheel

TRACK WIDTH	DRIVE WHEEL WIDTH		
	Narrow	Medium	Wide
	4.5 in (115 mm)	5.5 in (140 mm)	8.8 in (224 mm)
14 in (356 mm)	Recommended	Not compatible	Not compatible
16 in (406 mm)	OK to use	Recommended	Not compatible
18 in (457 mm)	Not recommended	Recommended	Not compatible
20 in (508 mm)	Not recommended	Recommended	Not compatible
24 in (610 mm)	Not recommended	Recommended	Not recommended
25 in (635 mm) MT700	Not compatible	Not recommended	Recommended
25 in (635 mm) MT800	Not compatible	Recommended	Not compatible
27.5 in (699 mm)	Not compatible	Not compatible	Recommended
30 in (762 mm)	Not compatible	Not compatible	Recommended
34 in (864 mm)	Not compatible	Not compatible	Recommended

REPLACEMENT CRITERIA

Idler Wheel

The idler wheels are the front wheels. The idler wheels are attached to the track tensioning system and provide the tension on the track. They also aid in adjustment of track alignment.

Idler Wheels should be replaced if:

- Rubber material is worn or missing
- Steel hub is cracked or damaged

DESCRIPTION	ORIGINAL PARTS		REMANUFACTURED PARTS	
	CAMSO P/N	AGCO P/N	CAMSO P/N	AGCO P/N
Narrow Idler	5W-0051PA	504781D1	504781D1RPA	504781D1R
Medium Idler (MT700 Only)	5W-0032PA	504782D1	504782D1RPA	504782D1R
Medium Idler (MT800 Only)	5W-0047PA	504783D1	504783D1RPA	504783D1R
Wide Idler	5W-0330PA	504784D2	504784D1RPA	504784D1R

NOTE: Two idler wheels are required for each side of the machine. Idler wheels are not directional, so the same idler wheel will work for the inboard and outboard sides of the undercarriage.

Midroller

Midrollers carry most of the weight for the tractor. Midrollers will wear over time and are susceptible to heat buildup from roading, track misalignment, and side hill applications. In most applications, rubber midrollers will provide adequate life. In harsh applications, poly midrollers may improve life of the midroller and should be used.

Midrollers should be replaced if:

- Rubber/Poly material is missing/worn all the way across the width of the midroller.
- 1/3 of the rubber/poly material is missing/worn all the way around the midroller.
- Rubber/poly material is worn thin enough that material is sticking to the midroller.
- Steel hub is cracked or damaged
- Midroller is no longer round (flat spot worn into surface)

DESCRIPTION	ORIGINAL PARTS		REMANUFACTURED PARTS	
	CAMSO P/N	AGCO P/N	CAMSO P/N	AGCO P/N
Narrow Midroller (rubber) (MT700 Only)	4W-0011PA	502930D1	-	-
Medium Midroller (rubber) ¹	4W-0024PA	502931D1	-	-
Wide Midroller (rubber) ¹	4W-0020PA	502932D	-	-
Medium Midroller (poly) ¹	4W-5007PA	521194D1* 548349D3**	548349D3RPA	548349D3R
Wide Midroller (poly) ¹	4W-5009PA	521195D1* 548350D3**	548350D3RPA	548350D1R

¹ Not available for the MT738, MT740, MT743 *Previous P/N **Current P/N

NOTE: It is Not recommended to continue to run midrollers with bare steel as track damage may occur.

Drive Wheel

Drive wheels provide the friction drive to the inside surface of the track to transfer the engine power to the ground. The friction surface is determined by the depth and sharpness of the chevrons cut into the drive wheel surface.

Drive wheels should be replaced if:

- Rubber material is missing or worn resulting in excessive drive wheel to track slippage.
- Steel hub is cracked or damaged

NOTE: If drive wheel to track slippage is not corrected, track damage may occur.

DESCRIPTION	ORIGINAL PARTS		REMANUFACTURED PARTS	
	CAMSO P/N	AGCO P/N	CAMSO P/N	AGCO P/N
Narrow Drive Wheel (RH) (MT700 Only)	3W-0057PA	504785D1	504785D1RPA	504785D1R
Narrow Drive Wheel (LH) (MT700 Only)	3W-0060PA	504786D1	504786D1RPA	504786D1R
Medium Drive Wheel (RH)	3W-0064PA	504787D1	504787D1RPA	504787D1R
Medium Drive Wheel (LH)	3W-0067PA	504788D1	504788D1RPA	504788D1R
Wide Drive Wheel (RH)	3W-0071PA	504789D1	504789D1RPA	504789D1R
Wide Drive Wheel (LH)	3W-0074PA	504790D1	504790D1RPA	504790D1R

NOTE: A LH and a RH drivewheel is required for each undercarriage, due to the directional nature of the chevron drivewheel tread pattern.

Camso Track

For best performance, tracks should be repaired when:

- Cables are exposed in the carcass – Cables should be trimmed to prevent damage to other components.
- Guide lugs are missing – Bolt-On Guide Lug Kits are available.
- Loose tread bar – Loose portion of the tread bar should be trimmed to prevent damage to other components.

For best performance, tracks should be replaced when:

- Tread bar height is less than 0.5 in (12 mm).
- Track to ground slippage consistently exceeds 10%.
- Several (more than 3) tread bars are missing in a row.
- Multiple (more than 5) guide lugs are missing consecutively.*
- Guide lugs have excessive wear (50% of guide lug is worn).*
- De-tracking occurs due to worn or missing guide lugs.*
- The main cables have torn in the wheel path (Tear across the width of the carcass).
- Cables are showing on the inside surface of the track.
- Drive wheel to track slippage is excessive due to missing ID rubber or rubber surface is glazed/hardened from drive wheels slipping.

* Bolt-on (replacement) guide lugs may be a suitable option to extend track life.

NOTE: If you have any concerns or questions regarding track damage, causes, and prevention, your Camso dealer should also have a copy you can review of CPB-460 "Service Conditions and Warranty Guidelines- AGRICULTURAL TRACKS including DRIVE WHEELS, IDLERS, MIDROLLERS".

APPROXIMATE GROUND PRESSURE

	TRACK SIZE (in)	FLAT PLATE AREA PER TRACK (in ²)	APPROX TRACTOR WEIGHT			
			24000 lbs (psi)	31000 lbs (psi)	36000 lbs (psi)	45000 lbs (psi)
MT700 (A thru E Series)	14	1316	9.1	11.8	13.7	17.1
	16	1504	8.0	10.3	12.0	15.0
	18	1692	7.1	9.2	10.6	13.3
	20	1880	6.4	8.2	9.6	12.0
	25	2350	5.1	6.6	7.7	9.6
	30	2820	4.3	5.5	6.4	8.0
MT738, MT740, MT743	14	1414	8.5	11.0	12.7	15.9
	16	1616	7.4	9.6	11.1	13.9
	18	1818	6.6	8.5	9.9	12.4
	20	2020	5.9	7.7	8.9	11.1
	25	2525	4.8	6.1	7.1	8.9
	30	3030	4.0	5.1	5.9	7.4

	TRACK SIZE (in)	FLAT PLATE AREA PER TRACK (in ²)	APPROX TRACTOR WEIGHT			
			38000 lbs (psi)	50000 lbs (psi)	56000 lbs (psi)	60000 lbs (psi)
MT800	18	2088	9.1	12.0	13.4	14.4
	27.5	3190	6.0	7.8	8.8	9.4
	30	3480	5.5	7.2	8.0	8.6
	36	4176	4.5	6.0	6.7	7.2

TREAD BAR WEAR ESTIMATION CHART

AVERAGE TREAD HEIGHT		2500 SERIES	3500/4500 SERIES	3500/4500/5500 / 6500 SERIES
(in)	(mm)	General Ag	Low Ground Disturbance	General Ag
3.0	76.2			
2.9	73.7			
2.8	71.1			
2.7	68.6			0%
2.6	66.0			5%
2.5	63.5			9%
2.4	61.0			14%
2.3	58.4	0%		18%
2.25	57.2	3%		20%
2.2	55.9	6%		23%
2.1	53.3	11%		27%
2.0	50.8	17%		32%
1.9	48.3	22%		36%
1.8	45.7	28%		41%
1.7	43.2	33%		45%
1.6	40.6	39%		50%
1.5	38.1	44%	0%	55%
1.4	35.6	50%	10%	59%
1.3	33.0	56%	20%	64%
1.2	30.5	61%	30%	68%
1.1	27.9	67%	40%	73%
1.0	25.4	72%	50%	77%
0.9	22.9	78%	60%	82%
0.8	20.3	83%	70%	86%
0.7	17.8	89%	80%	91%
0.6	15.2	94%	90%	95%
0.5	12.7	100%	100%	100%
0.4	10.2	105%	110%	105%
0.3	7.6	111%	120%	109%

5500/6500 SERIES	6500 SERIES
High Roading	Scraper
0%	
4%	
8%	
12%	
16%	
20%	
24%	
28%	
30%	0%
32%	3%
36%	9%
40%	14%
44%	20%
48%	26%
52%	31%
56%	37%
60%	43%
64%	49%
68%	54%
72%	60%
76%	66%
80%	71%
84%	77%
88%	83%
92%	89%
96%	94%
100%	100%
104%	106%
108%	111%



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