




# **SFT CHO** (Cyclic Harvesting Operation) Reliability meets flexibility – maximize your yields!

Mitas Agricultural Tires



 Trelleborg Wheel Systems is fully compliant with the limits on Polycyclic Aromatic Hydrocarbons (PAHs) determined by the European Directive EC/2005/69 and REACH Regulation EC/1907/2006, since December 1st 2009.

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# The SFT CHO (Cyclic Harvesting Operation) Has been designed for maximum load carry capacity with significantly lower inflation pressure.



With the SFT CHO series Mitas has developed an extremely reliable tire for large combines and grain handling equipment. SFT CHO is capable of carrying higher maximum loads than standard tires. The SFT CHO is also capable of supporting overload conditions during cyclic harvesting operations.

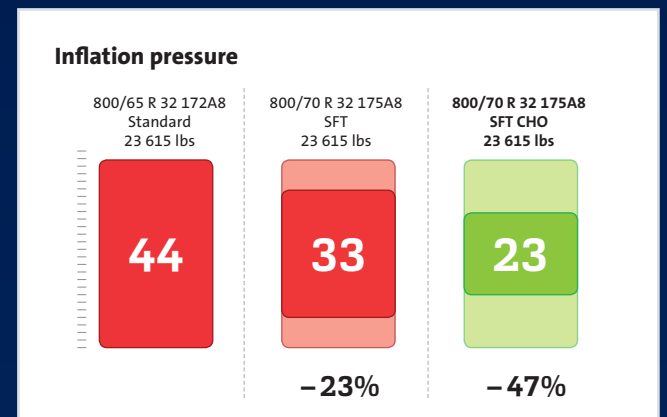
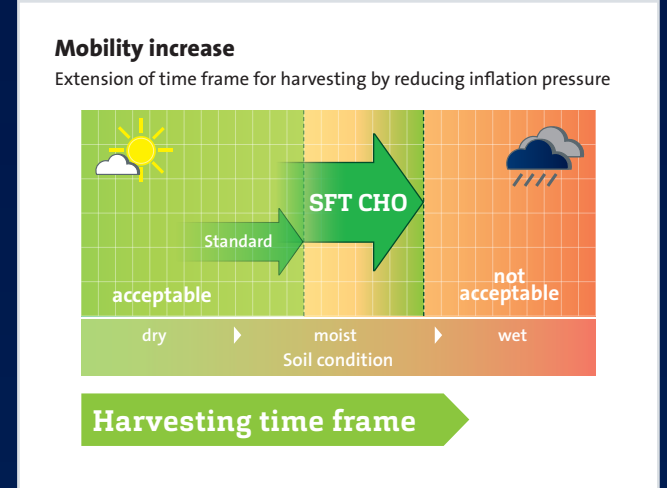
Its outstanding low ground pressure capability extends the time frame for harvesting as the SFT CHO performs superbly even on moist or wet soil conditions.

Cyclic loads, by the loading and unloading the grain tank, can vary the tire load by up to 100% requiring a higher inflation pressure leading to increased soil compaction and lower yields.

The solution is the Mitas SFT CHO's design and reliability.

**SFT CHO (R-1W)**

- LOAD CAPACITY: ██████████
- TRACTION: ██████████
- SOIL PROTECTION: ██████████
- HANDLING ON ROAD: ██████████
- COST EFFICIENCY: ██████████



# SFT CHO – Cyclic Harvesting Operation

## More load at lower tire pressure

**Reduces soil compaction thanks to a larger footprint!**

– Extending the time frame for harvesting

**Minimize inflation pressure during cyclic harvest operation!**

– Lower inflation pressure reduces soil compaction for increased yields. e.g. 800/70 R 32 SFT CHO @ 23 psi vs. standard tire @ 44 psi at a tire load of 23.700 lbs.

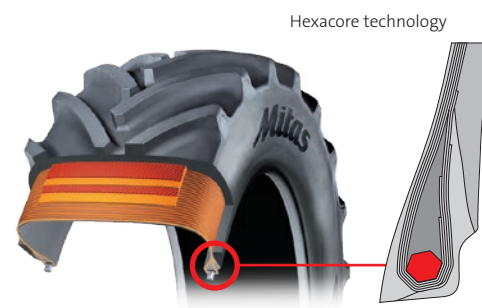
**Higher maximum load capacity!**

– SFT CHO vs. standard tire SFT at the same air pressure

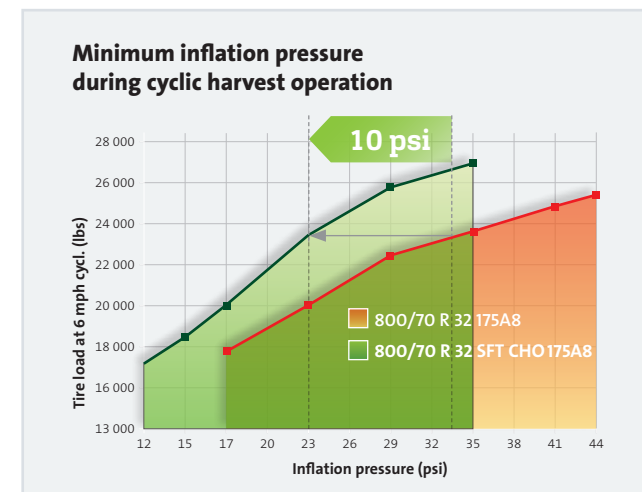
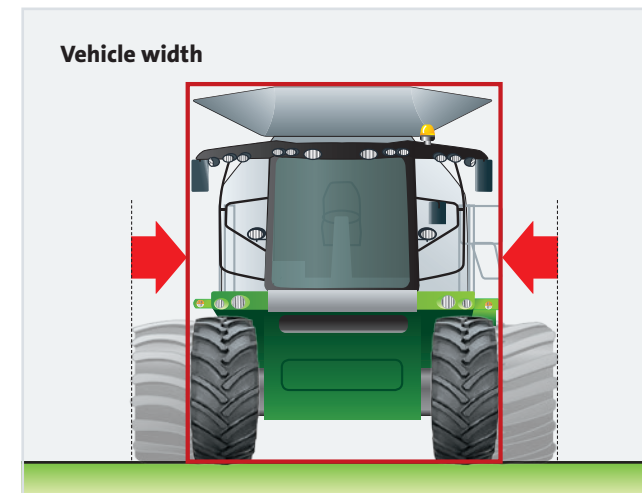
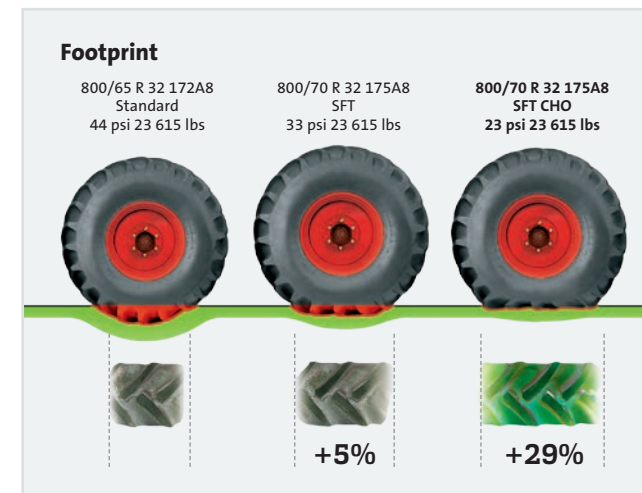
**Excellent driving stability and comfort!**

The optimised sidewall combined with the unique hexacore bead technology provides:

- a tight and secure fit on the rim to prevent slippage
- High-resistance against bead and lower sidewall deformation
- Long reliable service life despite low operating tire pressure



**Use of Standard rims!**  
No special rims required



## Drive wheel SFT CHO

Technical data and load capacities

Tire size	Service description L/SS	Permitted rims*	Tire section width (inch)	Tire outer diameter (inch)	Static loaded radius (inch)	Rolling circumference (inch)	Tread depth (32nd)	RCI	Flat plate (sq. inch)	Number of lugs x 2	Tire weight (lbs)	Tire load capacity (lbs) at tire pressure (psi)									Speed (mph)
												12	15	17	20	23	29	35	41	46	
680/85 R 32 CHO*	178 A8 (175 B)	DW 20 B DW 21 B DW 23 B	26.1 26.5 27.3	77.2	33.8	230.9	59	47	522	23	684	8 630	8 520	9 330	10 220	11 030	12 160	13 230	14 190	15 200	31
												10 620	11 510	12 600	13 800	14 780	16 430	17 630	19 170	20 340	12
												14 240	15 450	16 900	18 520	19 830	22 040	23 650	25 720	27 290	9 CHO
												15 530	16 850	18 440	20 210	21 630	24 050	25 800	28 060	29 770	6 CHO
800/70 R 32 CHO	175 A8 (172 B)	DW 25 B DW 27 B	29.4 30.2	76.1	33.3	221.7	69	47	496	22	836	9 340	9 220	10 090	11 050	12 020	13 150	13 900		31	
												11 490	12 460	13 630	14 940	16 270	17 770	18 710		25	
												15 410	16 700	18 290	20 030	21 730	23 850	25 100		12	
												16 810	18 220	19 940	21 860	23 700	26 020	27 560		9 CHO	
900/60 R 32 CHO	176 A8 (173 B)	DW 27 B DW 30 B	32.9 34.1	75.9	33.5	224.4	71	47	543	22	754	9 510	9 370	10 250	11 070	11 690	13 120	14 300		31	
												11 700	12 670	13 860	14 960	15 730	17 730	19 260		25	
												15 700	16 990	18 590	20 070	21 100	23 780	25 830		12	
												17 120	18 540	20 270	21 880	23 020	25 940	28 180		9 CHO	
900/70 R 32 CHO	176 A8 (173 B)	DW 27 B DW 30 B	34.7 35.9	81.1	35.6	239.2	81	48	651	22	1 010	11 290	11 150	12 190	13 360	14 770	15 910	17 100		31	
												13 890	15 060	16 480	18 070	19 800	21 500	23 050		25	
												18 630	20 210	22 120	24 230	26 560	28 830	30 930		12	
												20 330	22 040	24 120	26 440	28 970	31 470	33 740		9 CHO	
900/70 R 32 CHO	188 A8 (185 B)	DW 27 B DW 30 B	34.8 36.0	81.0	35.6	239.2	81	48	651	22	1 012	11 290	11 150	12 190	13 360	14 770	15 910	17 090	18 560	20 400	31
												13 890	15 060	16 480	18 070	19 800	21 500	23 050	25 080	27 120	25
												18 630	20 210	22 120	24 230	26 560	28 830	30 930	33 660	36 380	9 CHO
												20 330	22 040	24 120	26 440	28 970	31 470	33 740	36 710	39 690	6 CHO
<b>NEW</b> 1050/50 R 32 CHO	184 A8 (181 B)	36.00 VA 36.00 / 17 DW 36 B	40.7 40.7 40.7	74.8	33.7	222.0	76	46	736	16	1 014	10 260	10 200	11 030	11 690	12 790	13 890	15 210	16 540	18 200	31
												12 630	13 680	14 960	15 730	17 090	18 740	20 400	22 380	24 410	25
												16 930	18 360	20 070	21 100	22 920	25 100	27 290	30 020	32 740	9 CHO
												18 480	20 020	21 880	23 020	25 000	27 390	29 770	32 740	35 720	6 CHO
<b>NEW</b> 1250/50 R 32 CHO	194 A8 (191 B)	44" 40"	47.2 45.7	79.9	35.0	236.2	81	48	930	17	1 261	12 160	12 470	13 810	15 460	17 090	18 740	20 070	22 140	24 000	31
												14 960	16 850	18 680	20 880	23 050	25 340	27 120	29 930	32 010	25
												20 060	22 590	25 050	28 010	30 930	33 980	36 380	40 150	42 930	9 CHO
												21 880	24 650	27 330	30 560	33 740	37 070	39 690	43 800	46 830	6 CHO
680/80 R 38 CHO	179 D (182 A8)	DW 21 B DW 20 B DW 23 B	25.6 25.2 26.4	80.8	35.2	239.0	76	48	558	21	708	8 600	8 970	10 100	11 220	12 350	13 510	14 330	15 820	17 100	40
												9 660	11 040	12 430	13 800	15 190	16 610	17 630	19 460	21 020	25
												12 970	14 810	16 660	18 520	20 370	22 280	23 650	26 110	28 200	9 CHO
												14 150	16 160	18 180	20 200	22 230	24 310	25 800	28 480	30 760	6 CHO
800/70 R 38 CHO	178 D (181 A8)	DW 25 B DW 27 B	30.2 30.9	80.4	36.1	239.8	69	48	674	19	935	9 960	10 370	11 690	13 010	14 330	15 660	16 540	18 200		40
												11 190	12 760	14 380	16 000	17 630	19 260	20 340		25	
												15 010	17 120	19 280	21 470	23 650	25 830	27 290		12	
												16 370	18 680	21 040	23 420	25 800	28 180	29 770		9 CHO	
800/70 R 38 CHO	181 D (184 A8)	DW 25 B DW 27 B	30.2 30.9	80.4	36.1	239.8	78	48	674	19	922	9 960	10 370	11 690	13 010	14 330	15 660	16 540	18 200		40
												11 190	12 760	14 380	16 000	17 630	19 260	20 340		25	
												15 010	17 120	19 280	21 470	23 650	25 830	27 290		12	
												16 370	18 680	21 040	23 420	25 800	28 180	29 770		9 CHO	
900/60 R 38 CHO	184 A8 (184 A8)	DW 27 B DW 30 B	33.9 35.0	80.9	36.1	240.7	79	48	698	19	937	10 600	10 750	11 740	12 840	14 070	15 210	16 540	18 200		40
												11 800	13 220	14 440	15 800	17 090	18 940	20 340		25	
												15 820	17 740	19 370	21 190	22 920	25 410	27 290		12	
												17 250	19 350	21 130	23 120	25 000	27 730	29 770		9 CHO	
680/80 R 42 CHO	180 D (183 A8)	DW 21 B DW 23 B DW 20 B	26.0 26.8 25.6	84.4	38.7	255.9	77	49	555	22	845	10 010	10 000	10 850	11 820	12 790	14 150	15 210	16 520	17 600	40
												11 250	10 940	11 870	12 930	14 000	15 490	16 660	18 080	19 300	25
												15 080	16 500	17 900	19 540	21 100	23 350	25 100	27 240	29 110	9 CHO
												16 460	17 990	19 540	21 280	23 020	25 470	27 390	29 720	31 750	6 CHO
800/70 R 42 CHO	182 D (185 A8)	DW 25 B DW 27 B	30.2 30.9	85.0	37.2	248.8	79	49	713	20	1 001	10 730	10 280	11 740	13 210	14 690	16 170	17 650	18 710	20 400	40
												11 530	13 200	14 840	16 490	18 170	19 820	21 020	23 050		25
												15 480	17 700	19 900	22 120	24 380	26 590	28 200	30 930		12
												16 890	19 300	21 710	24 130	26 590	29 020	30 760	33 740		9 CHO
900/60 R 42 CHO	183 D (186 A8)	DW 27 B DW 28 B DW 30 B	33.9 34.3 35.0	84.1	38.0	252.0	79	49	774	20	999	10 450	10 750	11 910	13 240	14 770	16 160	17 640	19 300		40
												11 740	13 220	14 640	16 170	17 700	19 320	21 700	23 740		25
												15 750	17 740	19 650	21 850	24 380	26 670	29 110	31 840		12
												17 190	19 350	21 430	23 840	26 590	29 090	31 750	34 730		9 CHO

\* Further admissible rims on request

\* Tread pattern AC 70 G

Load-pressure data for cyclic applications apply to low-torque transport operations at max. speeds of 6 mph and for a max. distance of 0.5 mile before discharging the load and returning empty. Note: Cyclic application means the case of combine moving with full grain tank till its discharging. Load values given for 9 psi at 25 mph are for calculating dual and triple load values only. All load values are for maximum indicated speeds at low torque. 19 mph (up to 25 mph) load values also apply for low-speed high-torque field work. For plowing with single driven tires in the furrow, a minimum inflation pressure of 12 psi is required. For intensive road transport at 40/31/25/19 mph the pressure must be increased by 6 psi. Maximum inflation pressure should never be exceeded. All load-speed-pressure data are valid for ground slopes up to and including 20%. When operating on slopes greater than 20%, please, contact Mitas. Tubeless tires – may be used with a tube.