SFT CHO – Cyclic Harvesting Operation

Technical data

MITAS a.s. 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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Mitas

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NEW

SFT CHO (Cyclic Harvesting Operation)

Power meets flexibility – for the maximum yields of your harvest!

Mitas Agricultural Tyres

www.mitas-tyres.com

Mitas

The new harvester tyre SFT CHO (Cyclic Harvesting Operation) has been designed for a maximum load capacity with significantly lower inflation pressure.

SFT CHO (R-1W)

LOAD CAPACITY
TRACTION
SOIL PROTECTION
HANDLING ON ROAD
COST EFFICIENCY

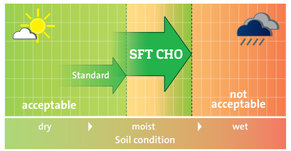
With SFT CHO Mitas has designed an extremely powerful tyre for large combine harvesters. SFT CHO is capable of higher **maximum loads** than more conventional tyres and at the same time the tyre permits higher yields through **gentler ground handling** in the field and **more comfort** on the road.

Its outstanding qualities of gentle ground handling extend the time frame for harvesting, as SFT CHO performs excellently even on moist or wet soil conditions.

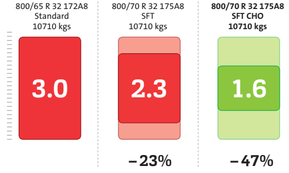
Cyclic loads by filling and emptying the corn tank vary more than twice. At high inflation pressure this will lead uncompromisingly to soil compaction. The solution is SFT CHO.

Mobility increase

Extension of time frame for harvesting by reducing inflation pressure



Inflation pressure



NEW

SFT CHO – Cyclic Harvesting Operation

More load at lower tyre pressure

Reduces soil compaction thanks to a larger footprint!
– Extending time frame for harvesting

Minimum inflation pressure during cyclic harvest operation!
– e.g. 800/70 R 32 SFT CHO 1.6 bar vs. standard tyre 3.0 bar at a load of 10,710 kgs

Higher maximum load capacity!
– SFT CHO vs. standard tyre SFT at same tyre pressure

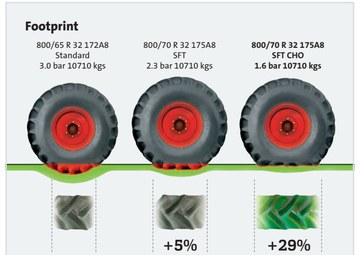
Good driving stability and comfort!
The optimised sidewall combined with **unique hexacore technology** provides:
– a safer fit on the rim
– resistance against deformation
– a long service life despite low tyre pressure

Hexacore technology

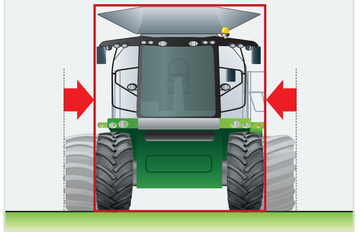
Fulfils all legal requirements!
– limited vehicle width

Use of standard rims!
No special rims required but standard only

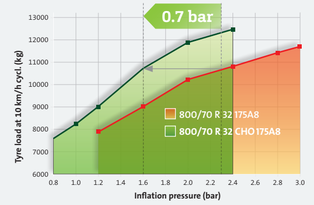
Footprint



Vehicle width



Minimum inflation pressure during cyclic harvest operation



Drive wheel SFT CHO

Technical data and load capacities

Tyre size Service description LI/SS	Tread pattern	Rims* (permit-ted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circum-ference (mm)	Speed radius index	Tyre load capacity (kg) at tyre pressure (bar)										Speed (km/h)
								0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.4	2.8	3.2	
680/85 R 32 CHO 178 A8 (175 B)	**AC 70 G**	**DW 20 B** DW 21 B DW 23 B	663 673 693	1 960	858	5 865	925	3 775 3 915 4 340 6 350	3 915 4 190 4 345 4 815 7 045	3 865 4 245 4 540 4 710 5 220 7 640	4 230 4 645 4 970 5 155 5 715 8 365	4 635 5 090 5 445 5 650 6 260 9 165	5 000 5 450 5 830 6 050 6 705 9 810	5 515 6 060 6 485 6 725 7 450 10 905	6 000 6 500 6 955 7 215 7 995 11 700	6 435 7 070 7 565 7 850 8 695 12 725	**6 900** **7 500** 8 025 8 235 9 225 13 500	50 40 30 25 20 10 CHO
800/70 R 32 CHO 175 A8 (172 B)	**SFT**	**DW 25 B** DW 27 B	748 768	1 932	845	5 630	925	4 085 4 235 4 695	4 235 4 530 4 700 5 210 7 625	4 180 4 590 4 915 5 095 5 650 8 265	4 575 5 025 5 380 5 580 6 180 9 045	5 010 5 505 5 895 6 115 6 775 9 915	5 450 6 000 6 420 6 600 7 380 10 800	5 965 6 555 7 015 7 275 8 060 11 800	**6 300** **6 900** 7 385 7 660 8 485 12 500			50 40 30 25 20 10 CHO
900/60 R 32 CHO 176 A8 (173 B)	**SFT**	**DW 27 B** DW 30 B	835 865	1 927	851	5 700	925	4 165 4 320 4 790	4 315 4 615 4 790 5 305 7 765	4 250 4 670 5 000 5 185 5 745 8 410	4 650 5 110 5 465 5 670 6 285 9 195	5 020 5 515 5 900 6 120 6 785 9 925	5 300 5 800 6 205 6 440 7 135 10 440	5 950 6 535 6 995 7 255 8 040 11 765	**6 500** **7 100** 7 595 7 880 8 735 12 780			50 40 30 25 20 10 CHO
900/70 R 32 CHO 182 A8 (179 B)	**SFT**	**DW 27 B** DW 30 B	881 911	2 061	904	6 075	975	4 940 5 125 5 675	5 120 5 480 5 685 6 300 9 220	5 055 5 555 5 945 6 165 6 830 9 995	5 530 6 080 6 505 6 750 7 475 10 940	6 060 6 660 7 125 7 395 8 195 11 990	6 700 7 300 7 810 8 105 8 980 13 140	7 215 7 925 8 480 8 800 9 750 14 270	**7 750** **8 500** 9 095 9 435 10 455 15 300			50 40 30 25 20 10 CHO
680/80 R 38 CHO 179 D (182 A8)	**SFT**	**DW 21 B** DW 20 B DW 23 B	650 640 670	2 053	895	6 070	975	3 345 3 510 3 620	3 740 3 900 4 100 4 220 6 415	4 070 4 275 4 460 4 685 4 825 7 330	4 580 4 810 5 015 5 270 5 430 8 245	5 090 5 345 5 575 5 855 6 030 9 160	5 600 5 880 6 150 6 440 6 635 10 080	6 125 6 430 6 705 7 045 7 260 11 025	6 500 6 825 7 100 7 475 7 705 11 700	7 175 7 535 7 855 8 350 8 505 12 915	**7 750** 8 140 **8 500** 8 915 9 185 13 950	65 50 40 30 25 10 CHO
800/70 R 38 CHO 178 D (181 A8)	**SFT**	**DW 25 B** DW 27 B	766 786	2 042	916	6 090	975	3 825 4 020 4 140	4 280 4 460 4 685 5 015 7 340	4 660 4 895 5 105 5 360 5 520 8 385	5 240 5 500 5 740 6 025 6 210 9 435	5 825 6 115 6 380 6 700 6 905 10 485	6 500 6 825 7 100 7 475 7 705 11 700	7 035 7 380 7 705 8 090 8 335 12 665	**7 500** 7 875 **8 250** 8 625 8 990 13 500			65 50 40 30 25 10 CHO
800/70 R 38 CHO# 181 D (184 A8)	**SFT**	**DW 25 B** DW 27 B	766 786	2 042	916	6 090	975	3 825 4 020 4 140	4 280 4 460 4 685 5 015 7 340	4 660 4 895 5 105 5 360 5 520 8 385	5 240 5 500 5 740 6 025 6 210 9 435	5 825 6 115 6 380 6 700 6 905 10 485	6 500 6 825 7 100 7 475 7 705 11 700	7 035 7 380 7 705 8 090 8 335 12 665	7 500 7 875 8 250 8 625 8 990 13 500	**8 250** 8 665 **9 035** 9 490 9 775 14 850		65 50 40 30 25 10 CHO
900/60 R 38 CHO 178 D (181 A8)	**SFT**	**DW 27 B** DW 30 B	860 890	2 060	918	6 115	975	3 895 4 090 4 215	4 350 4 540 4 765 4 910 7 460	4 665 4 900 5 110 5 365 5 530 8 400	5 170 5 430 5 660 5 945 6 125 9 310	5 745 6 030 6 290 6 605 6 810 10 345	6 300 6 615 6 900 7 245 7 465 11 340	7 020 7 370 7 685 8 075 8 320 12 635	7 500 7 875 **7 215** 8 625 8 890 13 500			65 50 40 30 25 10 CHO
900/60 R 38 CHO# 181 D (184 A8)	**SFT**	**DW 27 B** DW 30 B	860 890	2 060	918	6 115	975	3 895 4 090 4 215	4 350 4 540 4 765 4 910 7 460	4 665 4 900 5 110 5 365 5 530 8 400	5 170 5 430 5 660 5 945 6 125 9 310	5 745 6 030 6 290 6 605 6 810 10 345	6 300 6 615 6 900 7 245 7 465 11 340	7 020 7 370 7 685 8 075 8 320 12 635	7 500 7 875 7 215 8 625 8 890 13 500	**8 250** 8 665 **9 035** 9 490 9 775 14 850		65 50 40 30 25 10 CHO
680/80 R 42 CHO 180 D (183 A8)	**SFT**	**DW 21 B** DW 23 B DW 20 B	670 690 660	2 190	983	6 500	1025	3 495 3 670 3 780	3 905 4 075 4 280 4 410 6 700	4 255 4 470 4 660 4 895 5 040 7 655	4 785 5 025 5 240 5 505 5 670 8 610	5 315 5 580 5 820 6 110 6 300 9 570	5 800 6 090 6 350 6 670 6 875 10 440	6 415 6 735 7 025 7 375 7 600 11 550	6 900 7 245 7 555 7 935 8 175 12 420	7 490 7 865 8 200 8 615 8 875 13 480	**8 000** 8 400 **8 760** 9 200 9 480 14 400	65 50 40 30 25 10 CHO
800/70 R 42 CHO# 182 D (185 A8)	**SFT**	**DW 25 B** DW 27 B	774 794	2 160	945	6 320	975	3 995 4 200 4 325	4 470 4 660 4 895 5 040 7 660	4 865 5 110 5 325 5 595 5 765 8 755	5 470 5 745 5 990 6 290 6 480 9 850	6 080 6 385 6 660 6 990 7 205 10 945	6 700 7 035 7 335 7 705 7 940 12 060	7 340 7 705 8 035 8 440 8 700 13 210	7 750 8 140 8 485 8 915 9 185 13 950	8 500 8 925 **9 310** 9 775 10 075 15 300		50 40 30 25 20 10 CHO
900/60 R 42 CHO# 183 D (186 A8)	**SFT**	**DW 27 B** DW 28 B DW 30 B	860 870 890	2 140	965	6 400	1025	4 060 4 265 4 395	4 545 4 740 4 980 5 130 7 795	4 875 5 120 5 340 5 605 5 775 8 775	5 400 5 670 5 915 6 210 6 400 9 725	6 005 6 305 6 575 6 905 7 115 10 805	6 700 7 035 7 335 7 705 7 940 12 060	7 330 7 695 8 025 8 430 8 685 13 195	8 000 8 400 8 760 9 200 9 480 14 400	**8 750** 9 190 **9 580** 10 065 10 370 15 750		50 40 30 25 20 10 CHO

* Further admissible rims on request # In preparation

Load values for 0,6 bar are for calculating dual and triple load values only. 30 km/h (up to 40 km/h) load values also apply for low-speed high-torque field work.
For plowing with single driven tyres in the furrow, a minimum inflation pressure of 0,8 bar is required. For intensive road transport at 65/50/40/30 km/h the pressure must be increased by 0,4 bar. Maximum inflation pressure should never be exceeded. All load values are valid for ground slopes up to and including 20% (11°). When operating on slopes greater than 20%, please, contact the producer. Load-pressure data for cyclic applications apply to low-torque transport operations at max. speeds of 10 km/h and for a max. distance of 800 meters before discharging the load and returning empty.
By cyclic application (CHO) is meant harvester's motion with full grain tank till its discharging. SFT CHO: Cyclic Harvesting Operation
Tubeless tyres may be used with a tube.