COMPLETE WHEEL AND TYRE SOLUTIONS

PRONAR

Wheels for all your needs

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PRONAR is a Polish company which was founded in a small village of Narew. 30 years of continuous development and systematic achievement of goals resulted in over 2000 employees working in 7 modern factories and the brand known all over the world.

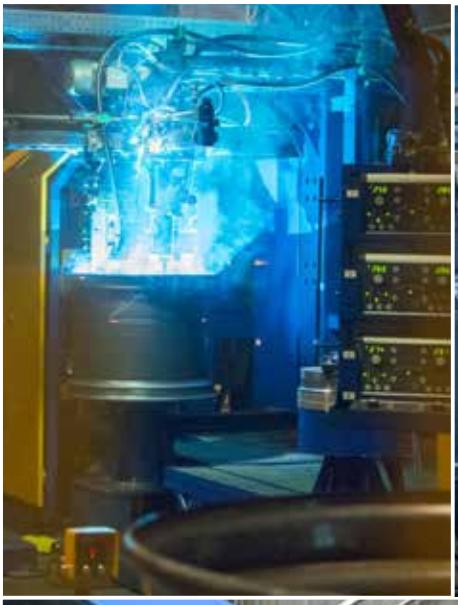
Wheels Department was launched in 1997 and after 2 years it reached the production capacity of 2 000 wheels in 5 types per month. The philosophy of constant development was the reason why we started to paint the wheels in multistage powder paint process and secure them in e-coat primer, thanks to our own anti-corrosion protection line.

For the last ten years we have developed new production lines so we could add to our offer many new products. In 2012 we created a new production line for profiling large sizes of rims with up to 36" in width, and thus we joined the exclusive group of producers who are able to manufacture a full range of wheels used in the agricultural and construction sectors.

The last years of development of Wheels Department resulted in advanced automation. At the moment we use our own automated robots in welding processes, which allows to maintain the highest repeatability of our products. All the elements of the production machines are constructed by our engineers, which shortens the time of waiting for the new wheels designed according to a customer's individual needs. We send our wheels to all continents, constantly gaining new markets.

COMPLETE WHEEL AND TYRE SOLUTIONS

INNOVATIVE TECHNOLOGY



MP7

Designed and produced at PRONAR the production line for profiling bare rims enables us to meet the needs of even the most demanding customers by the ability to manufacture bare rims up to 10mm thick, in automatic cycles while maintaining the highest quality standards. The key to this success is a high degree of accuracy and repeatability of machine positioning.

AS5

To meet the expectations of our customers regarding minimization of run-out and the highest quality welds we built a unique welding machine allowing the precise control of geometrical and welding parameters, as well as the immediate optimization during the process. The use of special sensors enables the automatic control of axial and radial run-out which permits us the continuous quality control.

AB3

Our latest achievement in the field of research is the construction of the third generation of automatic testing equipment of complete wheels. This machine simulates the toughest working conditions of the wheels before the stage of mass production. Thanks to very efficient proportional hydraulics real operating conditions can be reproduced, such as rapid turns and braking while driving, falling into holes and lateral impacts. The AB3 machine also has the pressure and temperature sensors as well as the tools measuring the pressure force against the ground.

HIGH QUALITY AND DURABILITY IN ALL CONDITIONS

Wheel durability

Discs up to 20mm thick provide a long-lasting solution for machines working in difficult conditions.

High load capacity

A wide range of bare rims rolled from steel up to 9mm thick as well as very durable discs constitute one of the strongest agricultural wheels.

Quality and aesthetics

Specially selected steel grades and automation of production allow to obtain an ideal repeatability of each wheel.

Anti-corrosion protection

Multistage powder paint process provides protection against the aggressive environmental factors, that has no competition anywhere else.

Wheel diameter	Rim profile	Tyre sizes	Load capacity (kg) at 40 km/h [1)]	Maximum offset ranges (mm)	Disc profile [3)]
12"	4,25	7-12.00	950	+38/-44[2)]	F; FS
	5JA	6.5/80-12	950	+47/-53[2)]	F; FS
	7	10/80-12	950	+64/-70	F; FS
	10,50	24x12.00-12	1000	+108/-114	F; FS
15"	7,00	6.50/80-15	1100	+90/-98[2)]	F; FS
	10LB	320/55-15; 320/60-15	2000	+15/-81	F; FS

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.
[1)]Presented load capacity available only in the heaviest material option, with maximum offset and standard PCD.
[2)] Negative offset available only in the event of assembling the wheel with valve guard on the machine's side.
[3)] Actual shape of the disc may slightly differ from the presented model.

COMPLETE WHEEL AND TYRE SOLUTIONS

TRACTOR FIXED WHEELS

Wheel diameter	Rim profile	Tyre sizes	Load capacity (kg) at 40 km/h [1)]	Maximum offset ranges (mm)	Disc profile [3)]
15.3"	9.00	10.0/75-15.3; 11.5/80-15.3	3000	+105/-113	F; FS
16"	4,00E	5.50-16	600	+45/-51	FC; FCS; FRC; FCR
	4,50E	6.00-16	870	+53/-59[2)]	FC; FCS; FRC; FCR
	5,00F	7.50-16; 180/95R16	870	+53/-59	FC; FCS; FRC; FCR; F; FS
	5,50F	6,50-16; 7.50-16	870	+56/-62	FC; FCS; FRC; FCR; F; FS
	6,00L	7-16; 8-16	1300	+68/-74[2)]	FC; FCS; FRC; FCR; F; FS
	W6	200/70R16	2000	+114/-126	FC; FCS; FRC; F; FS
	W7	200/70R16; 220/70R16	2400	+126/-138	FC; FCS; FRC; F; FS
	W8	240/70R16; 260/70R16; 275/65R16; 320/65R16	2400	+138/-150	FC; FCS; FRC; F; FS
	9,00	10.5/65-16	2350	+104/-110	F; FS
	W10	11.00-16	2800	+163/-175	FC; FCS; FRC; F; FS
	W12x16	13.6R16	3200	+188/-200	FC; FCS; FRC; F; FS
18"	4,50E	6.00-18	670	+52/-60[2)]	F; FS; FR; FRS
	5,50F	7.50-18	1250	+60/-68[2)]	F; FS; FCS
	9,00	10.5/80-18; 12.5/80-18; 275/80R18	3500	+75/-85	F
	11,00	340/65R18	3800	+98/-108	F

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[2)] Negative offset available only in the event of assembling the wheel with valve guard on the machine's side.
[3)] Actual shape of the disc may slightly differ from the presented model.

Difficult conditions are commonplace for agricultural tractors. PRONAR wheels are the right choice for machines operating in tough terrain. **Almost indestructible welded wheels will allow you to take full advantage of the capabilities of your machine for a long time.**

COMPLETE WHEEL AND TYRE SOLUTIONS

TRACTOR FIXED WHEELS

Wheel diameter	Rim profile	Tyre sizes	Load capacity (kg) at 40 km/h [1)]	Maximum offset ranges (mm)	tarcze Disc profile [3)]
19.5"	11.75	380/70D19.5; 15-19.5	3500	+111/-123	F
	12.25	15-19.5	3500	+117.5/-129.5	F
20"	5,5F	6.50-20; 7.50-20	880	+50/-58	DF; FRC; FR; FS;
	W7	8.3-20; 9.5-20; 210/95R20	3300	+113/-121	F; FS
	W8	280/70R20; 260/70R20; 250/85R20	4000	+125/-133	F; FS;
	W9	10,5R20; 280/70R20; 280/80R20; 300/70R20	3700	+132/-140	F; FS;
	W10	11.2-24; 12.5R20; 320/70R20; 340/80R20; 420/65R20	3600	+144/-152	F; S;
	W11	340/80R20; 375/75R20; 12.4-24; 340/65R20; 360/70R20; 320/85R20	3600	+156.5/-164.5	F; FS;
	W12	14.5R20; 380/75R20; 380/70R20	4000	+169/-177	F; FS;
	W13	380/70R20; 14.9-24; 420/65R20	3800	+181/-189	F; FS;
	W14/W14L	440/65R20	3500	+185.5/-193.5	F; FS;
	W16L	500/45-20; 500/50-20	4500	+211/-219	F; S;

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

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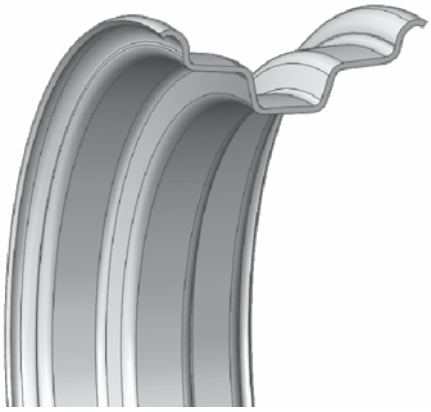
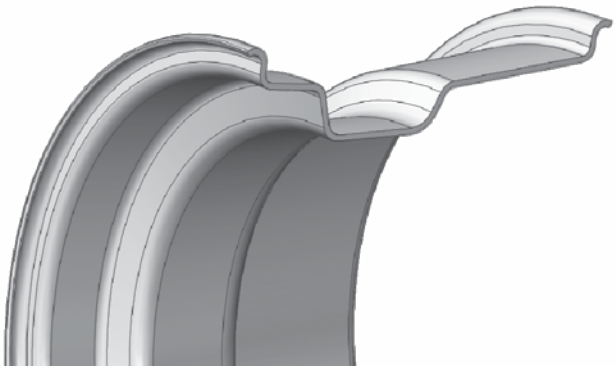
[3)] Actual shape of the disc may slightly differ from the presented model.

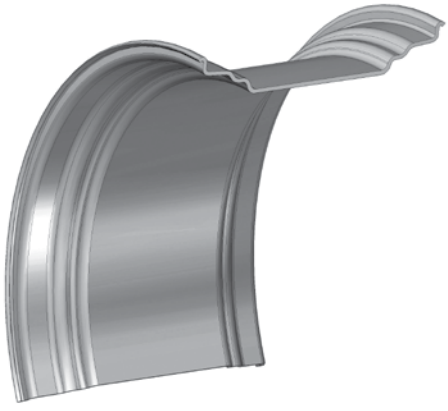
Standard rim profiles used in Pronar tractor fixed wheels:



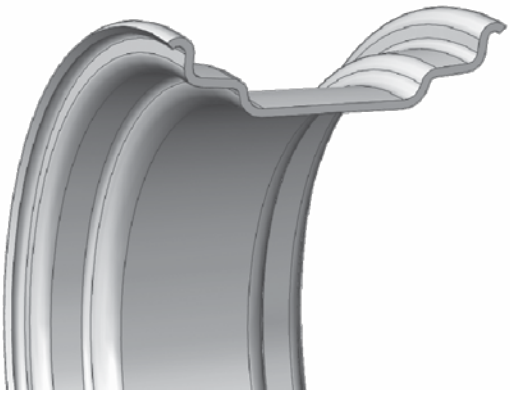
Semi-hollow rim profile from 4" to 7" in width in rims with diameter up to 24"



Semi-hollow rim profile from 9" to 16" in width in rims with diameter up to 24"



DW rim contour



W rim contour

COMPLETE WHEEL AND TYRE SOLUTIONS

TRACTOR FIXED WHEELS

Wheel diameter	Rim profile	Tyre sizes	Load capacity (kg) at 40 km/h [1]	Maximum offset ranges (mm)	Disc profil [3]
24"	W7	8.3-24	3300	+84.5/-94.5	F; FS; FCR
	W8	9.5-24; 250/85R24	3300	+97/-107	F; FS; FCR
	W9	11.2R24; 12.4-24	3300	+104.5/-114.5	F; FS; FCR
	W10	11.2R24; 320/70R24	4700	+117.5/-127.5	F; FS;
	W11	12.4R24; 14.9-24; 300/80R24; 360/70R24; 420/65R24	3500	+130/-140	F; FS;
	W12	13.6R24; 380/70R24; 380/85R24	4700	+143/-153	F; FS;
	W13	14.9R24; 420/70R24; 420/65R24	4700	+155.5/-165.5	F; FS;
	DW13	400/80R24	4300	+128/-140	F
	W14L	16.9R24; 480/70R24; 440/65R24	4700	+160/-170	F; FS;
	W15L	16.9R24; 480/65R24; 480/70R24	4700	+172/-182	F; FS;
	W16L	500/85R24; 540/65R24	4700	+184/-194	F; FS:
	DW16L	500/85R24; 540/65R24	4900	+111/-123	F
	DW18L	540/65R28	4900	+111/-123	F
26"	DW12L	13.6-26	4000	+112/-124	F
	DW16L	18.4R26; 480/80R26; 480/80-26; 580/70R26	4500	+107.5/-119.5	F
	DW20B	620/70R26; 620/75R26; 23.1-26	6350	+164.5/-176.5	F
	DW25B	710/65R26; 750/65R26	6350	+228/-240	F

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets

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[2]) Negative offset available only in the event of assembling the wheel with valve guard on the machine's side.
[3]) Actual shape of the disc may slightly differ from the presented model.

COMPLETE WHEEL AND TYRE SOLUTIONS

TRACTOR FIXED WHEELS

Wheel diameter	Rim profile	Tyre sizes	Load capacity (kg) at 40 km/h [1])	Maximum offset ranges (mm)	Disc profile [3])
28"	W7	225/60R28	3700	+90/-102	F; DF; DFC; TFC;
	W8	250/85R28; 9.5-28	4200	+102.5/-114.5	F; DF; DFC; TFC;
	W10	280/85R28; 11.2R28; 320/85R28; 12.4R28	4200	+122/-134	F; DF; DFC; TFC;
	W11	320/85R28; 360/70R28; 420/65R28	4200	+134/ -146	F; DF; DFC; TFC;
	W12	13.6R28; 380/70R28; 380/85R28	4700	+146/-158	F; DF; DFC; TFC;
	W13	14.9R28; 420/70R28; 400/80R28; 440/80R28	4200	+158/-170	F; DF; DFC; TFC;
	W14	440/80R28; 440/65R28	4700	+162/-174	F; DF; DFC; TFC;
	W14L	440/80R28; 440/65R28	4700	+162/-174	F; DF; DFC; TFC;
	W15L	16.9R28; 480/70R28; 480/65R28; 480/70R28; 420/85R28	5600	+175/-187	F; DF; DFC; TFC;
	W16L	540/65R28	4700	+187.5/-199.5	F; DF; DFC; TFC;
	W18L	600/60R28	5400	+212.5/-224.5	F; DF; DFC; TFC;
30"	DW12	380/85R30	4500	+118/-130	FFC; FC; TF
	DW13	14.9R30	4200	+130.5/-142.5	FFC; FC; TF
	DW14L	420/90R30	4700	+115.5/-127.5	FFC; FC; TF
	DW15L	16.9R30; 480/70R30	5500	+128/-140	FFC; FC; TF
	DW16L	18.4R30; 540/65R30	4700	+140.5/-152.5	FFC; FC; TF
	DW20B	23.1-30; 620/75R30	5600	+172/-184	FFC; FC; TF
	DW23B	710/55R30	5600	+203/-215[2)]	FFC; FC; TF
32"	W7	210/95R32; 8.3R32	2700	+115/-127	TRCF; TFC; DF; F; TFR; TF
	W8	230/95R32; 9.5R32; 270/80R32; 270/95R32; 11.2R32	2700	+127/-139	TRCF; TFC; DF; F; TFR; TF
	W10	12.4R32; 320/85R32	2700	+147/-159	TRCF; TFC; DF; F; TFR; TF
	W11	320/85R82	2700	+159/-171	TRCF; TFC; DF; F; TFR; TF

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

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[2]) Negative offset available only in the event of assembling the wheel with valve guard on the machine's side.

[3]) Actual shape of the disc may slightly differ from the presented model.

Wheel diameter	Rim profile	Tyre sizes	Load capacity (kg) at 40 km/h [1]	Maximum offset ranges (mm)	Disc profile [3]
34"	W10	320/85R34	4000	+138/-150	TFR; TRCF
	W12	14.9R34	4000	+163/-175	TFR; TRCF
	W13	380/85R34	4000	+175/-187	TFR; TRCF
	DW14L	420/90R34	4500	+138/-150	F; FFC; DF TF; TFR
	W15L	420/85R34; 480/70R34	4500	+193/-205	TFR; TRCF
	DW15L	420/85R34; 480/70R34	4500	+150/-162	F; FFC; DF TF; TFR
	DW16L	18.4R34; 520/70R34; 540/65R34	5000	+162/-174	F; FFC; DF TF; TFR
	W16L	540/65R34; 18.4R34	4500	+205/-217	TFR; TRCF
	DW18L	600/65R34	5000	+190/-202	F; FFC; DF TF; TFR
	DW20B	600/65R34; 600/70R34	5600	+190/-202[2]	F; FFC; DF TF; TFR
	DW23B	710/75R34; 650/75R34; 650/65R34	5600	+228/-240[2]	F; FFC; DF TF; TFR
36"	W7	8.3-36	2700	+113/-125	TRCF; TFC; DF; F; TFR; TF
	W8	270/95R36; 11.2R36; 270/80R36; 230/95R36; 9.5R36	2700	+125/-137	TRCF; TFC; DF; F; TFR; TF
	W10	11.2R36; 12.4R36	2700	+145/-157	TRCF; TFC; DF; F; TFR; TF
	W11	12.4R36	2700	+157/-169	TFC; TRFC; DF; DFC; F
	W12	340/85R36	2700	+169/-181	TFC; TRFC; DF; DFC; F
38"	W8	270/95R38; 11.2R38	2500	+90/-102	TRFC; FFC
	W10	320/85R38; 12.4R38	2500	+111/-123	TRFC; FFC
	DW10	320/85R38; 12.4R38	3600	+118/-130	DF; DFC; F; FFC; TFC
	DW11	12.4R38	3600	+130/-142	DF; DFC; F; FFC; TFC
	W12	13.6R38; 380/80R38	2500	+136/-148	TRFC; FFC
	DW12	13.6R38; 380/80R38	3600	+142/-154	DF; DFC; F; FFC; TFC
	DW14L	420/85R38; 480/70R38	3600	+137/-149	DF; DFC; F; FFC; TFC
	DW15L	420/85R38; 480/70R38	4600	+149/-163	DF; DFC; F; FFC; TFC
	DW16L	18.4R38; 520/70R38; 540/65R38; 520/85R38	4600	+161/-175	DF; DFC; F; FFC; TFC
	DW18L	20.8R38; 580/70R38; 600/65R38	9300	+186/-200	DF; DFC; F; FFC; TFC
	DW20B	600/65R38; 650/65R38; 620/70R38; 650/65R38	9000	+186/-200[2]	DF; DFC; F; FFC; TFC
	DW23B	650/75R38; 650/85R38; 710/70R38	9500	+224/-228[2]	DF; DFC; F; FFC; TFC
	DW25B	710/60R38	10000	+224/-228	DF; DFC; F; FFC; TFC
	DW27B	800/70R38	11000	+230/-235	DF; DFC; F; FFC; TFC
	DW28B	850/60 R38	11500	+240/-250	DF; DFC; F; FFC; TFC
42"	W8	230/95R42	2700	+125/-141	DFD; FFC
	W10	320/90R42	2700	+143/-159	DFD; FFC
	DW16L	480/80R42; 18.4R42	7000	+210/-228	DFD; FFC
	DW18L	520/85R42; 650/65R42	8000	+235/-253	DFD; FFC
	DW20B	620/70R42	8000	+235/-253[2]	DFD; FFC
	DW23B	710/75R42	8000	+273/-291[2]	DFD; FFC
	DW25B	710/70R42; 710/75R42	8000	+305/-323	DFD; FFC

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[2] Negative offset available only in the event of assembling the wheel with valve guard on the machine's side.
[3] Actual shape of the disc may slightly differ from the presented model.

Standard shapes of pressed discs used in PRONAR fixed wheels:

FFC

F

FS

FC

FCS

DF

DFD

DFC

TF

TFC

FR

FRS

FRC

TFR

TRCF

FCR

DFRC

VERSATILITY AND PERFECT FIT

Solidity of execution

When it comes to durability of adjustable lug wheels we refuse to compromise, that is why we plasma-arc weld our omega lugs.

Modern painting technique

Each component of the wheel is separately powder painted before assembling which provides higher durability and anti-corrosion protection of the wheel for many years to come.

A wide range of tracks

When you use the adjustable wheels it gives you the possibility to assemble the same wheels for different crops.

Freedom of application

A wide range of discs and lugs enables you to assembly the wheel to any tractor and hub.

Wheel diameter	Rim profile	Tyre sizes	Type of lug [3]	Maximum offset of lug (mm)	Disc profile [1]	Disc offset (mm)	Disc thickness (mm)
16"	4,50E	6.00-16	C	+20/-20[2]	SF	40	8
	5,50F	6,50-16; 7.50-16	C	+20/-20	SF	40	8
	W6	200/70R16	C	+33/-33	SF	40	8
	W7	200/70R16; 220/70R16	C	+46/-46	SF	40	8
	W8	240/70R16; 260/70R16; 275/65R16; 320/65R16	C	+58/-58	SF	40	8
18"	W9	275/65R18; 280/80R18; 320/65R18; 340/65R18; 280/70R18	Z	+67/-67	SF; HF	50	8

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.
[1]) Not every disc is available for all of the construction solution.
[2]) Offset available in the event of assembling the wheel with valve guard on the machine's side.
[3]) The width of omega lugs is given in millimeters.

COMPLETE WHEEL AND TYRE SOLUTIONS

ADJUSTABLE LUG WHEELS

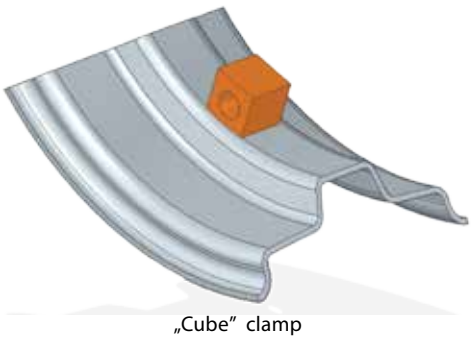
Modern tractors are used not only in agriculture but also in construction, forestry and municipal sectors. With adjustable lug wheels designed by PRONAR you can maximize the potential of the tractor with them, no matter how hard the task.

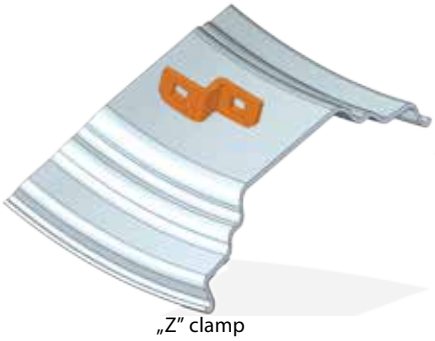
Wheel diameter	Rim profile	Tyre sizes	Type of lug [3]	Maximum offset of lug (mm)	Disc profile [1]	Disc offset (mm)	Disc thickness (mm)
20"	W8	280/70R20; 260/70R20; 250/85R20	Z	+59/-59	SF; HF; RF	50	8; 10
	W9	10,5R20; 280/70R20; 280/80R20; 300/70R20	Z	+67/-67	SF; HF; RF	50	8; 10
	W10	11.2-24; 12.5R20; 320/70R20; 340/80R20; 420/65R20	Z	+79/-79	SF; HF; RF	50	8; 10
	W11	340/80R20; 375/75R20; 12.4-24; 340/65R20; 360/70R20; 320/85R20	Z	+91/-91	SF; HF; RF	50	8; 10
24"	W7	8.3-24	Ω46; Ω65;	+57/-57	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W8	9.5-24; 250/85R24	Ω46; Ω65;	+70/-70	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W9	11.2R24; 12.4-24	Ω46; Ω65;	+77/-77	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W10	11.2R24; 320/70R24	Ω46; Ω65;	+90/-90	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W11	12.4R24; 14.9-24; 300/80R24; 360/70R24; 420/65R24	Ω46; Ω65;	+103/-103	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W12	13.6R24; 380/70R24; 380/85R24	Ω46; Ω65;	+116/-116	HF;RF	42; 50; 75; 100	8; 9; 10; 12
	W13	14.9R24; 420/70R24; 420/65R24	Ω46; Ω65;	+128,5/-128,5	HF;RF	42; 50; 75; 100	8; 9; 10; 12
	W14L	16.9R24; 480/70R24; 440/65R24	Ω46; Ω65;	+133/-133	HF;RF	42; 50; 75; 100	8; 9; 10; 12
	W15L	16.9R24; 480/65R24; 480/70R24	Ω46; Ω65;	+146/-146	HF;RF	42; 50; 75; 100	8; 9; 10; 12
28"	W8	250/85R28; 9.5-28	Ω46; Ω65;	+70/-70	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W9	250/85R28; 9.5-28	Ω46; Ω65;	+77/-77	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W10	280/85R28; 11.2R28; 320/85R28; 12.4R28	Ω46; Ω65;	+90/-90	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W11	320/85R28; 360/70R28; 420/65R28	Ω46; Ω65;	+103/-103	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W12	13.6R28; 380/70R28; 380/85R28	Ω46; Ω65;	+116/-116	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W13	14.9R28; 420/70R28; 400/80R28; 440/80R28	Ω46; Ω65;	+128,5/-128,5	HF;HFD;HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W14L	440/80R28; 440/65R28	Ω46; Ω65;	+133/-133	HF;HFD;HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W15L	16.9R28; 480/70R28; 480/65R28; 480/70R28; 420/85R28	Ω46; Ω65;	+146/-146	HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12

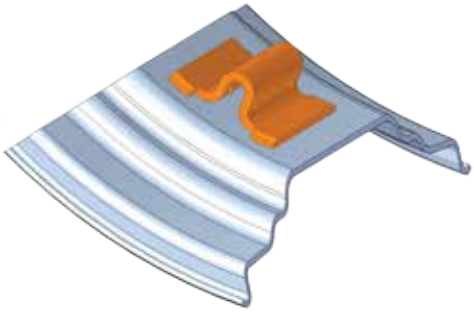
The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

[1]) Not every disc is available for all of the construction solution.
[2]) Offset available in the event of assembling the wheel with valve guard on the machine's side.
[3]) The width of omega lugs is given in millimeters.

Many available lug options give you the ability to find the right solution for your needs:


„Cube" clamp


„Z" clamp


„Loop" clamp

Wheel diameter	Rim profile	Tyre sizes	Type of lug [3]	Maximum offset of lug (mm)	Disc profile [1]	Disc offset (mm)	Disc thickness (mm)
30"	DW12	380/85R30	Ω46; Ω65;	+88/-88	HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W14L	420/90R30	Ω46; Ω65;	+133/-133	HF; HFD; HFR; OF; OFD; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW14L	420/90R30	Ω46; Ω65;	+84.5/-84.5	HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W15L	16.9R30; 480/70R30	Ω46; Ω65;	+146/-146	HF; HFD; HFR; OF; OFD; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW15L	16.9R30; 480/70R30	Ω46; Ω65;	+97/-97	HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW16L	18.4R30; 540/65R30	Ω46; Ω65;	+110/-110	HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW20L	23.1-30; 620/75R30	Ω46; Ω65;	+141,5/-141,5	HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
32"	W7	210/95R32; 8.3R32	Ω46; Ω65;	+57/-57	HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	W8	230/95R32; 9.5R32; 270/80R32; 270/95R32; 11.2R32	Ω46; Ω65;	+70/-70	HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	W10	12.4R32; 320/85R32	Ω46; Ω65;	+90/-90	HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	W11	320/85R32	Ω46; Ω65;	+103/-103	HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
34"	W12	14.9R34	Ω46; Ω65;	+116/-116	ODF; OFR;	75; 100; 107;	8; 10; 12
	W15L	420/85R34; 480/70R34	Ω46; Ω65; Ω90;	+151/-151	ODF; OFR;	75; 100; 107;	8; 10; 12
	DW15L	420/85R34; 480/70R34	Ω46; Ω65; Ω90;	+102/-102	HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	DW16L	18.4R34; 520/70R34; 540/65R34	Ω46; Ω65; Ω90;	+115/-115	HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	DW18L	600/65R34	Ω65; Ω65; Ω90;	+140/-140	HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
36"	W8	270/95R36; 11.2R36; 270/80R36; 230/95R36; 9.5R36	Ω46; Ω65;	+70/-70	OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W10	11.2R36; 12.4R36	Ω46; Ω65;	+90/-90	OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W11	12.4R36	Ω46; Ω65;	+103/-103	OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W12	340/85R36	Ω46; Ω65;	+116/-116	OF; OFR; OFD;	65; 75; 100; 107	10; 12

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

[1] Not every disc is available for all of the construction solution.
[2] Offset available in the event of assembling the wheel with valve guard on the machine's side.
[3] The width of omega lugs is given in millimeters.

COMPLETE WHEEL AND TYRE SOLUTIONS

ADJUSTABLE LUG WHEELS

Wheel diameter	Rim profile	Tyre sizes	Type of lug [3])	Maximum offset of lug (mm)	Disc profile [1])	Disc offset (mm)	Disc thickness (mm)
38"	W10	320/85R38; 12.4R38	Ω46; Ω65;	+90/-90	OFR;	65; 75; 100; 107	10; 12
	DW11	12.4R38	Ω46; Ω65; Ω90;	+80/-80	OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW12	13.6R38; 380/80R38; 14.00-38	Ω46; Ω65; Ω90;	+94/-94	OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W14L	420/85R38; 480/70R38	Ω46; Ω65; Ω90;	+138/-138	OFR	65; 75; 100; 107	10; 12
	DW14L	420/85R38; 480/70R38	Ω46; Ω65; Ω90;	+89/-89	OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W15L	420/85R38; 480/70R38	Ω46; Ω65; Ω90;	+151/-151	OFR	65; 75; 100; 107	10; 12
	DW15L	420/85R38; 480/70R38	Ω46; Ω65; Ω90;	+102/-102	OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW16L	18.4R38; 520/70R38; 540/65R38; 520/85R38	Ω46; Ω65; Ω90;	+115/-115	OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW18L	20.8R38; 580/70R38; 600/65R38	Ω46; Ω65; Ω90;	+140/-140	OF; OFR; OFD;	65; 75; 100; 107	10; 12

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.
[1]) Not every disc is available for all of the construction solution.
[2]) Offset available in the event of assembling the wheel with valve guard on the machine's side.
[3]) The width of omega lugs is given in millimeters.

Standard shapes of discs used in PRONAR adjustable wheels:

SF

SFD

SFR

HF

HFD

OF

OFD

OFR

RF

RFR

THE MOST MODERN SOLUTIONS IN ADJUSTABLE WHEELS

UNIQUENESS OF WAFFLE WHEELS

We are one of the two producers in the world who offer the adjustable wheels with waffle rings. It is the result of our experienced engineers' many years of work.

8 TRACKS FOR WAFFLE WHEELS

Using the waffle wheels enables you to assemble the same wheels for different tasks, thanks to 8 different offsets available for this kind of wheel.

HIGH SPEEDS OF UP TO 50 km/h

Even the largest tractors with horse powers up to 250 HP using PRONAR ring wheels can safely reach speeds of up to 50 km/h.

SOLID CONSTRUCTION

The connection between the rim and the disc is much stronger in case of the waffle wheel because the continuous ring called „waffle" is pressed into the bare rim and then welded. Due to larger surface of contact between pressed rim and disc waffle wheel provides much higher load capacities than other adjustable wheels.

COMPLETE WHEEL AND TYRE SOLUTIONS

RING AND WAFFLE WHEELS

Ring wheels have higher load capacities than the adjustable lug wheels. Laser cut ring of thickness up to 14mm is perfectly even around the periphery of the entire rim, making the stresses evenly distributed , without overloading the wheel. The technology of the ring and waffle wheels allows users to apply different discs and get many different tracks. The waffle wheels were introduced at the beginning of the year 1991 and quickly gained in popularity among the leading producers of tractors. Their biggest asset is the capability of obtaining 8 different offsets. **One other advantage is the fact that their construction, although technologically advanced, is simplified to such an extent that they do not need special washers or spacing distances.**

Wheel diameter	Rim profile	Tyre sizes	Type of ring	Maximum ring offset (mm) (crown/ flat)	Ring thickness (mm)	Maximum ring offset (mm) (pressed)	Pressed ring thickness	Discs profile	Disc offset (mm)	Disc thickness (mm)
24"	W7	8.3-24	FDW/FFW	+37.5/-37.5	8/10/12	+67/-87.5	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W8	9.5-24; 250/85R24	FDW/FFW	+50/-50	8/10/12	+79.5/-100	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W9	11.2R24; 1 2.4-24	FDW/FFW	+57.5/-57.5	8/10/12	+87/-107.5	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W10	11.2R24; 320/70R24	FDW/FFW	+70.5/-70.5	8/10/12	+100/-120	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W11	12.4R24; 14.9-24; 300/80R24; 360/70R24; 420/65R24	FDW/FFW	+83/-83	8/10/12	+112.5/-133	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W12	13.6R24; 380/70R24; 380/85R24	FDW/FFW	+96/-96	8/10/12	+125/-145.5	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W13	14.9R24; 420/70R24; 420/65R24	FDW/FFW	+108.5/-108.5	8/10/12	+137.5/-158	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W14L	16.9R24; 480/70R24; 440/65R24	FDW/FFW	+113/-113	8/10/12	+142/-163	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W15L	16.9R24; 480/65R24; 480/70R24	FDW/FFW	+126/-126	8/10/12	+154.5/-175.5	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12
	W16L	500/85R24; 540/64 R24	FDW/FFW	+138.5/-138.5	8/10/12	+167/-188	8	SF; HF; SFR; RF	42; 50; 75; 100	8; 9; 10; 12

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Wheel diameter	Rim profile	Tyre sizes	Type of ring	Maximum ring offset (mm) (crown/flat)	Ring thickness (mm)	Maximum ring offset (mm) (pressed)	Pressed ring thickness	Discs profile	Disc offset (mm)	Disc thickness (mm)
28"	W8	250/85R28; 9.5-28	FDW/FFW	+50/-50	8/10/12	+79.5/-100	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W9	250/85R28; 9.5-28	FDW/FFW	+57.5/-57.5	8/10/12	+87/-107.5	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W10	280/85R28; 11.2R28; 320/85R28; 12.4R28	FDW/FFW	+70.5/-70.5	8/10/12	+100/-120	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W11	320/85R28; 360/70R28; 420/65R28	FDW/FFW	+83/-83	8/10/12	+112.5/-133	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W12	13.6R28; 380/70R28; 380/85R28	FDW/FFW	+96/-96	8/10/12	+125/-145.5	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W13	14.9R28; 420/70R28; 400/80R28; 440/80R28	FDW/FFW	+108.5/-108.5	8/10/12	+137.5/-158	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W14L	440/80R28; 440/65R28	FDW/FFW	+113/-113	8/10/12	+142/-163	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W15L	16.9R28; 480/70R28; 480/65R28; 480/70R28; 420/85R28	FDW/FFW	+126/-126	8/10/12	+154.5/-175.5	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W16L	540/65R28	FDW/FFW	+138.5/-138.5	8/10/12	+167/-188	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W18L	540/65R28	FDW/FFW	+163.5/-163.5	8/10/12	+192/-213	8	SF; HF; HFD; HFR;	48; 75; 80; 87; 100; 111	8; 10; 12
30"	DW12	380/85R30	FDW/FFW	+68/-68	8/10/12	+98/-118	8	SF; HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W14L	420/90R30	FDW/FFW	+113/-113	8/10/12	-	8	SF; HF; HFD; HFR; OF; OFD; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW14L	420/90R30	FDW/FFW	+64/-64	8/10/12	+94/-114	8	SF; HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	W15L	16.9R30; 480/70R30	FDW/FFW	+126/-126	8/10/12	-	8	SF; HF; HFD; HFR; OF; OFD; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW15L	16.9R30; 480/70R30	FDW/FFW	+77/-77	8/10/12	+106/-126	8	SF; HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW16L	18.4R30; 540/65R30	FDW/FFW	+84.5/-84.5	8/10/12	+114/-144	8	SF; HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW20B	23.1-30; 600/60R30; 620/75R30	FDW/FFW	+121/-121	8/10/12	+151/-171	8	SF; HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12
	DW23B	620/75R30; 650/75R30; 710/55R30;	FDW/FFW	+152.5/-144	8/10/12	+182/-194	8	SF; HF; HFD; HFR; OF; OFR;	48; 75; 80; 87; 100; 111	8; 10; 12

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

FFW (Fully Formed Welded) Fully Formed Welded
FDW (Flat Double Welded) Flat Double Welded
FCDW (Flat Crown Double Welded) Flat Crown Double Welded

[1] Crown Cut disc - disc obtained after cutting a four or eight-arm shaped crown

Wheel diameter	Rim profile	Tyre sizes	Type of ring	Maximum ring offset (mm) (crown/flat)	Ring thickness (mm)	Maximum ring offset (mm) (pressed)	Pressed ring thickness	Discs profile	Disc offset (mm)	Disc thickness (mm)
32"	W7	210/95R32; 8.3R32	FDW/FFW	+37.5/-37.5	8/10/12	+67/-87.5	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	W8	230/95R32; 9.5R32; 270/80R32; 270/95R32; 11.2R32	FDW/FFW	+50/-50	8/10/12	+79.5/-100	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	W10	12.4R32; 320/85R32	FDW/FFW	+70.5/-70.5	8/10/12	+100/-120	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	W11	320/85R32	FDW/FFW	+83/-83	8/10/12	+112.5/-133	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
34"	W10	320/85R34	FDW/FFW	+70.5/-70.5	8/10/12	+100/-120	8	SF; ODF; OFR;	75; 100; 107;	8; 10; 12
	W12	14.9R34	FDW/FFW	+96/-96	8/10/12	+125/-145.5	8	SF; ODF; OFR;	75; 100; 107;	8; 10; 12
	W13	380/85R34	FDW/FFW	+108.5/-108.5	8/10/12	+137.5/-158	8	SF; ODF; OFR;	75; 100; 107;	8; 10; 12
	W15L	420/85R34; 480/70R34	FDW/FFW	+126/-126	8/10/12	+154.5/-175.5	8	SF; ODF; OFR;	75; 100; 107;	8; 10; 12
	DW15L	420/85R34; 480/70R34	FDW/FFW	+77/-77	8/10/12	+106/-126	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	W16L	18.4R34; 520/70R34; 540/65R34	FDW/FFW	+138.5/-138.5	8/10/12	+167/-188	8	SF; ODF; OFR;	75; 100; 107;	8; 10; 12
	DW16L	18.4R34; 520/70R34; 540/65R34	FDW/FFW	+84.5/-84.5	8/10/12	+114/-144	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	DW18L	600/65R34	FDW/FFW	+114.5/-114.5	8/10/12	+144/-164	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	DW20B	600/65R34	FDW/FFW	+114.5/-106	8/10/12	+145/-156	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	DW23B	650/65R34; 710/75R34	FDW/FFW	+152.5/-144	8/10/12	+182/-194	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
36"	W7	230/95R36; 9.5R36	FDW/FFW	+37.5/-37.5	8/10/12	+67/-87.5	8	SF; HF; HFR; OF; OFD;	65; 75; 80; 100; 110;	8; 10; 12
	W8	270/95R36; 11.2R36; 270/80R36; 230/95R36; 9.5R36	FDW/FFW	+50/-50	8/10/12	+79.5/-100	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W10	11.2R36; 12.4R36	FDW/FFW/ FFW S	+70.5/-70.5	8/10/12	+100/-120	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W11	12.4R36	FDW/FFW	+83/-83	8/10/12	+112.5/-133	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W12	340/85R36	FDW/FFW	+96/-96	8/10/12	+125/-145.5	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
38"	W8	230/95R38	FDW/FFW	+50/-50	10/12/14	+79.5/-100	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W10	320/85R38; 12.4R38	FDW/FFW	+70.5/-70.5	10/12/14	+100/-120	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW10	320/85R38; 12.4R38	FDW/FFW/ FFW S	+42/-42	10/12/14	+72.5/-92.5	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W11	12.4R38	FDW/FFW	+83/-83	10/12/14	+112.5/-133	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW11	12.4R38	FDW/FFW	+54.5/-54.5	10/12/14	+85/-105	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12

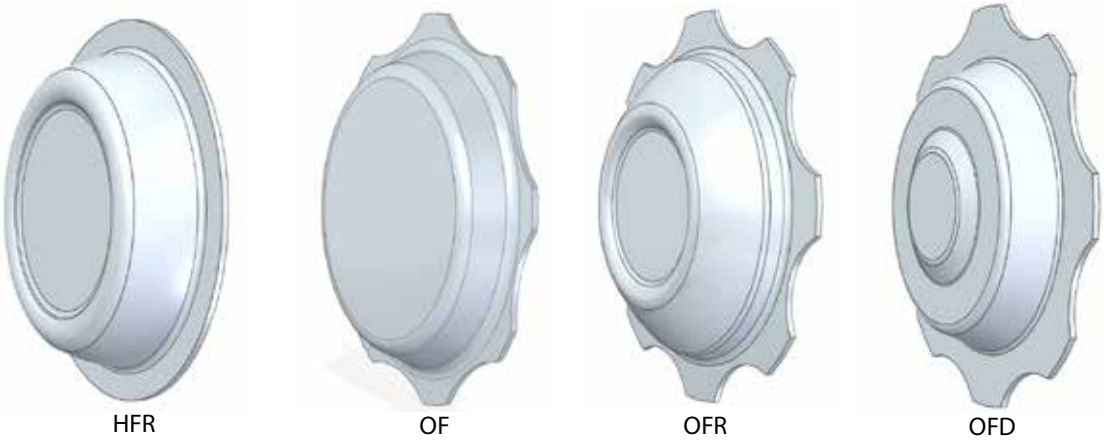
The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

FFW (Fully Formed Welded) Fully Formed Welded
FDW (Flat Double Welded) Flat Double Welded
FCDW (Flat Crown Double Welded) Flat Crown Double Welded

[1] Crown Cut disc - disc obtained after cutting a four or eight-arm shaped crown

Standard shapes of discs used in PRONAR adjustable ring and waffle wheels:

SF HF SFR RF HFD



HFR OF OFR OFD

Wheel diameter	Rim profile	Tyre sizes	Type of ring	Maximum ring offset (mm) (crown/flat)	Ring thickness (mm)	Maximum ring offset (mm) (pressed)	Pressed ring thickness	Discs profile	Disc offset (mm)	Disc thickness (mm)
38"	W12	13.6R38; 380/80R38; 14.00-38	FDW/FFW	+96/-96	10/12/14	+125/-145.5	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW12	13.6R38; 380/80R38; 14.00-38	FDW/FFW	+68/-68	10/12/14	+98/-118	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W14L	420/85R38; 480/70R38	FDW/FFW	+113/-113	10/12/14	+142/-163	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW14L	420/85R38; 480/70R38	FDW/FFW	+64/-64	10/12/14	+94/-114	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	W15L	420/85R38; 480/70R38	FDW/FFW	+126/-126	10/12/14	+154.5/-175.5	8	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW15L	420/85R38; 480/70R38	FDW/FFW	+77/-77	10/12/14	+106/-126	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW16L	18.4R38; 520/70R38; 540/65R38; 520/85R38	FDW/FFW	+84.5/-84.5	10/12/14	+114/-144	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW18L	20.8R38; 580/70R38; 600/65R38	FDW/FFW	+114.5/-114.5	10/12/14	+144/-164	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW20L	600/65R38; 650/65R38; 620/70R38; 650/65R38	FDW/FFW	+114.5/-106	10/12/14	+145/-156	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
	DW23L	650/75R38; 650/85R38; 710/70R38	FDW/FFW	+152.5/-144	10/12/14	+182/-194	8/10	SF; OF; OFR; OFD;	65; 75; 100; 107	10; 12
42"	W8	230/95R42; 9.5R42; 300/85R42; 11.2R42	FDW; FCDW	+50/-50	12; 14	+79.5/-100	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W10	300/85R42; 11.2R42; 12.4R42; 300/95R42; 320/90R42	FDW; FCDW	+70.5/-70.5	12; 14	+100/-120	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W12	13.6R42	FDW; FCDW	+96/-96	12; 14	+125/-145.5	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	DW16	480/80 R42; 18.4R42	FDW; FCDW	+84.5/-84.5	12; 14	+114/-144	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	DW18	520/85R42; 650/65R42	FDW; FCDW	+114.5/-114.5	12; 14	+144/-164	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	DW20L	620/70R42	FDW; FCDW	+114.5/-106	12; 14	+145/-156	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	DW23L	710/75R42	FDW; FCDW	+152.5/-144	12; 14	+182/-194	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
44"	W7	8.3R44	FDW; FCDW	+37.5/-37.5	12; 14	+67/-87.5	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W8	230/95R44; 9.5R44	FDW; FCDW	+50/-50	12; 14	+79.5/-100	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W10	270/95R44; 11.2R44	FDW; FCDW	+70.5/-70.5	12; 14	+100/-120	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W12	13.6R44	FDW; FCDW	+96/-96	12; 14	+125/-145.5	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

FFW (Fully Formed Welded) Fully Formed Welded

FDW (Flat Double Welded) Flat Double Welded

FCDW (Flat Crown Double Welded) Flat Crown Double Welded

[1)] Crown Cut disc - disc obtained after cutting a four or eight-arm shaped crown

Wheel diameter	Rim profile	Tyre sizes	Type of ring	Maximum ring offset (mm) (crown/flat)	Ring thickness (mm)	Maximum ring offset (mm) (pressed)	Pressed ring thickness	Discs profile	Disc offset (mm)	Disc thickness (mm)
46"	W8	230/95R46	FDW; FCDW	+70/-70	12; 14	+79.5/-100	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W10	270/95R46; 11.2R46	FDW; FCDW	+90.5/-90.5	12; 14	+100/-120	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W12	380/105R46; 340/85R46; 13.6R46	FDW; FCDW	+116/-116	12; 14	+125/-145.5	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	DW13	380/90R46	FDW; FCDW	+81/-81	12; 14	+110/-130	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	DW16	480/80R46	FDW; FCDW	+84.5/-84.5	12; 14	+114/-144	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
48"	W8	230/95R48; 9.5R48	FDW; FCDW	+70/-70	12; 14	+79.5/-100	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W10	270/95R48;	FDW; FCDW	+90.5/-90.5	12; 14	+100/-120	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W12	340/85R48	FDW; FCDW	+116/-116	12; 14	+125/-145.5	10	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
50"	W10	320/90R50	FDW; FCDW	+70.5/-70.5	12; 14	-	-	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W12	380/105R50; 380/90R50	FDW; FCDW	+96/-96	12; 14	-	-	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W13	380/90R50	FDW; FCDW	+108.5/-108.5	12; 14	-	-	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
52"	W10	12.4R52	FDW; FCDW	+70.5/-70.5	12; 14	-	-	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W12	380/90R50; 380/105R50	FDW; FCDW	+96/-96	12; 14	-	-	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
54"	W8	230/115R54	FDW; FCDW	+50/-50	12; 14	-	-	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W10	11.2R54; 12.4R54; 270/95R54; 320/90R54	FDW; FCDW	+70.5/-70.5	12; 14	-	-	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;
	W12	380/90R54	FDW; FCDW	+96/-96	12; 14	-	-	SF; OF; OFR; OFD; CCD[1)]	65; 100;	12; 14;

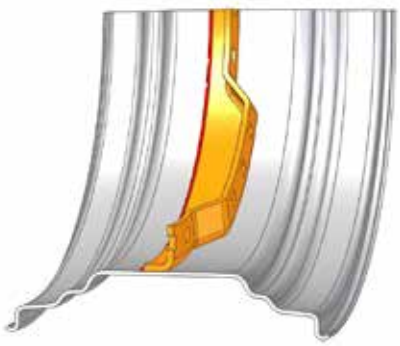
The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

FFW (Fully Formed Welded) Fully Formed Welded
FDW (Flat Double Welded) Flat Double Welded
FCDW (Flat Crown Double Welded) Flat Crown Double Welded

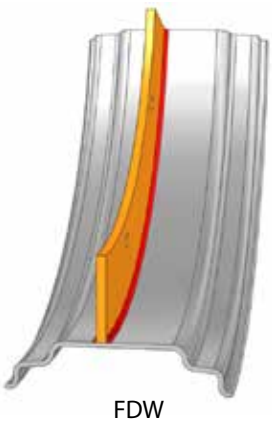
[1)] Crown Cut disc - disc obtained after cutting a four or eight-arm shaped crown

Types of rings used in PRONAR ring and waffle wheels:

FFW S



FFW



FDW

ADJUST THE WHEELS TO INDIVIDUAL REQUIREMENTS WITH PRONAR MULTIFIT WHEELS

PRONAR Multifit Wheels consist of 3 pieces: rim with ring, disc and adapter disc - AR disc. The possibility to achieve 16 different tracks in basic version make this a perfect solution for the tractors where the precision of track is essential. AR- disc allows to adapt the same wheel to the different machines with different hubs, so the wheels can be assembled on every tractor available on the market, as well as on other agricultural machines. The wheels are ideal for those who are looking for narrow wheels with modifiable wheelbase, where the maximum transfer of power to the wheels is the number one priority. **PRONAR Multifit Wheel system is a proven solution in many markets used by our clients for over a decade.**

CREATED AND DEVELOPED BY PRONAR

A full range of narrow and tractor wheels with a durable ring construction. Original technology created especially for our customers.

THE NUMBER OF TRACKS NOT ACHIEVABLE ELSEWHERE

Discs up to 14mm thick and laser cut AR discs give you the possibility to achieve 16 different offsets in basic version - up to 32 options of tracks when using spacers.

BIG SAVINGS WITH PRONAR MULTIFIT WHEELS

A wide range of AR discs allows you to adapt the same wheel to machines with any different hub. One wheel can be used in many different machines.

MODERN PAINTING PRODUCTION PROCESSES

Each component of Multifit system is degreased, treated with nanoceramics and secured with cataphoresis before painting. This allows you to exclude the possibility of corrosion in areas susceptible to it.

Rim size	Tyre size
W8x28	250/85 R28
W10x28	280/85 R28
W12x28	320/85 R28
W14Lx28	480/85 R28
W8x32	230/95 R32
W10x32	270/95 R32
W10x34	320/85 R34
W8x36	230/95 R36
W10x36	270/95 R36
W8x38	230/95 R38
W10x38	270/95 R38
W12x38	380/95 R38
W10X42	300/95 R42
W8x44	230/95 R44
W10x44	270/95 R44
W10x46	300/95 R46
W12x46	340/85 R46
W13x46	380/90 R46
W8x48	230/95 R48
W10x48	270/95 R48
W12x48	340/85 R48
W10x50	270/85 R50
W12x50	300/95 R50
W10x52	300/95 R52
W10x54	270/95 R54
W12x54	320/90 R54

AR disc	Number of studs	Central hole diameter	PCD	Stud hole diameter	Stud holes type
AR 1	8	110,2	152,4	19	H
AR 2	8	150,1	203,2	20	H
AR 3	8	140	203,2	21	H
AR 4	8	152,4	203,2	20	H
AR 5	6	161	205	21,5	A2
AR 6	8	161	205	21,5	A2
AR 7	8	221	275	19	H
AR 8	8	221	275	21	H
AR 9	8	221	275	21,5	A2
AR 10	8	221	275	27	A3
AR 11	8	221	275	24	H
AR 12	10	281	335	24	H
AR 13	10	281	335	27	A3
AR 14	8	152,4	203,2	22	H
AR 15	8	151	203,2	20	H
AR 16	10	281	335	22	H
AR 17	8	140	203,2	20	H
AR 18	blind	42	blind	blind	blind
AR 19	blind	50	blind	blind	blind
AR 20	8	110,2	152,4	20	H
AR 21	10	281	335	20	H
AR 22	8	290	335	18	H
AR 23	8	221	275	22	H
AR 24	8	291	330	17,5	H
AR 25	8	170	220	24	H
AR 26	8	221	275	21,5	A2
AR 27	8	152,4	203,2	21	H
AR 28	8	152,4	203,2	18	H
AR 29	10	281	335	22	H
AR 30	8	221	275	20	H
AR 31	8	290	330	16	H
AR 32	8	170	220	27	A3
AR 33	8	153	203,2	21,5	A2

WHEELS FOR MACHINES USED IN THE AGRICULTURAL AND MUNICIPAL SECTORS

MADE IN ACCORDANCE WITH THE EUROPEAN STANDARDS

Our wheels comply with the requirements imposed by ETRTO and EUWA standards.

A WIDE RANGE OF SIZES

It is a response to the varied demand of the agricultural and municipal sectors. We are able to equip every farm!

MAXIMUM LOAD CAPACITIES

Pronar wheels have the load capacities that meet the needs of most advanced agricultural machines.

GOOD QUALITY AT LOW PRICES

Pronar wheels have the highest quality at the affordable prices. Failure-free operations of your wheels is more important than saving a few Euros when buying the wheels.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum speed (km/h)	Maximum offset ranges (mm)	Disc profiles
12"	4.25x12	7.00-12	950	40	+38/-44(wentylem do maszyny	F; FS;
	5JAx12	6.5/80-12	950	40	+47/-53(wentylem do maszyny)	F; FS;
	7.00x12	10.0/80-12	950	40	+64/-70	F; FS;
15"	9.00x15	10.0/75-15.3; 11.5/80-15.3	1750	40	+99/-105	F; FS;
	10LBx15	320/55-15	2000	40	+15/-81	F; FS;
	13LBx15	31x15.50-15	2000	40	+53/-119	F; FS;
15,3"	9.00x15.3	10.0/75-15.3; 10.0/80-12; 11.5/80-15.3; 12.5/80-15.3; 260/70-15.3	3000	40	+105/-113	F; FS;

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum speed (km/h)	Maximum offset ranges (mm)	Disc profiles
15.5"	13.00x15.5	400/60-15.5	3500	40	+152/-160	F; FS;
	13.00x15.5H2	400/60-15.5	3300	40	+152/-160	F; FS;
16"	4.50Ex16	6.00-16	870	40	+53/-59(wentylem do maszyny)	FC; FCS; FRC; FCR
	5.50Fx16	7.50-16	870	40	+56/-62	FC; FCS; FRC; FCR; F; FS
	9.00x16	10.5/65-16	2350	40	+104/-110	F; FS
	11x16	13.0/55-16; 13.0/75-16; 14.0/65-16	3000	40	+127/-133	F; FS

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Pronar implement wheels are adapted to meet the needs of a wide variety of the agricultural and municipal machines. They are the basis of functionality, reliability and efficiency of your equipment. **Wide complete wheels copy the terrain, even on a wet field.**

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum speed (km/h)	Maximum offset ranges (mm)	Disc profiles
17"	13.00x17	15.0/55-17; 420/55-17	3350	40	+144/-154	F; FS;
	16.00x17	19.0/45-17; 500/50-17; 500/65-17	4750	40	+182/-192	F; FS;
	16.00x17	19.0/45-17; 500/50-17; 500/65-17	4750	40	+182/-192	F; FS;
18"	5.50Fx18	7.50-18	1250	40	+60/-68 (with valve guard on the machine's side)	F; FS; FCS
	9.00x18	10.5/80-18; 12.0/75-18; 12.5/80-18	3500	40	+75/-85	F; FS;
	W9x18	10.5/80-18; 12.0/75-18; 12.5/80-18	3075	40	+43/-53	F; FS;
	11x18	12.0-18; 12.5/80-18; 13.0/65-18; 14.5/80-18	3800	40	+98/-108	F; FS;
	13x18	400/60R18; 15.0/70-18	3800	40	+124/-134	F; FS;

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum speed (km/h)	Maximum offset ranges (mm)	Disc profiles
20"	13x20	16.0/70-20	3500	40	+147/-157	F; FS;
22.5"	16.00x22.5	500/45 R22.5; 500/50R22.5; 500/60-22.5;500/60 R22.5; 550/45-22.5; 550/60-22.5; 560/45R22.5; 560/60R22.5	6500	40	+176/-190 (with valve guard on the machine's side)	F
	16.00x22.5H2	500/45 R22.5; 500/50R22.5; 500/60R22.5;500/60R22.5; 550/45R22.5; 550/60R22.5; 560/45R22.5; 560/60R22.5	7250	65	+176/-190	F
	20.00x22.5	600/40R22.5; 600/40R22.5; 600/50R22.5; 600/55R22.5; 600/50R22.5; 600/55R22.5; 650/60R22.5	7000	40	+229/-243	F
	20.00x22.5H2	600/40R22.5; 600/40R22.5; 600/50R22.5; 600/55R22.5; 600/50R22.5; 600/55R22.5; 650/60R22.5	7500	65	+224/-238	F
24"	W12	15.5/80-24	4700	40	+143/-153	F; FS;
	W13	15.5/80-24; 16.5/85-24; 400/80-24	4700	40	+155.5/-165.5	F; FS;
	W14L	15.5/80-24	4700	40	+160/-170	F; FS;
	W15L	17.5L-24	4700	40	+172/-182	F; FS;

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Pronar disc wheels are perfectly protected against corrosion. **It is very important in the municipal sector where the cleanliness on roads and pavements is essential in the winter.**

THE HIGHEST EUROPEAN QUALITY

LOAD CAPACITIES HIGHER THAN ANYWHERE ELSE

During harvest time the construction of the wheel meets the most restrictive strength requirements. Our harvesters wheels have higher load capacities than the „identical" wheels of our competitors.

UNIQUE DISCS

Precisely manufactured discs up to 20mm thick make failure-free operations of the wheels possible even in the most difficult conditions. Our advantage is the fact that we have over a dozen of presses and about forty stamping dies that allow the production of different profiles of discs.

DIFFERENT COLORING

Our paint shop offers a full RAL palette as well as Original Equipment specific colors. We are able to match any colour on the individual request of our client.

THE THICKEST RIMS IN THE WORLD

We are able to produce up to 10mm thick bare rims. Profiling of such rims is being done on construction line designed and built by PRONAR engineers.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum offset ranges (mm)	Disc profiles
15.5 "	13.00	400/60-15.5	3500	+117/-127	F, FS
18"	W9	12.5/80-18	2500	+43/-53	F, FS, FCS
22.5"	11.75	400/55-22.5	5400	+128/-138	F, FC
	16.00	500/45-22.5	7250	+176/-190	F, FC
24"	W15L	500/70R24; 500/85R24	4960	+100/-120	F, FS, FC

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

COMPLETE WHEEL AND TYRE SOLUTIONS

WHEELS FOR COMBINE HARVESTERS

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum offset ranges (mm)	Disc profiles
26"	DW16L	VF520/85R26	4500	+107.5/-119.5	F, FS, FC
	DW20B	VF620/70R26; 620/75R26; 600/75R26; 23.1-26	6350	+164.5/-176.5	F, FS, FC
	DW25B	VF750/65R26; 750/65R26; 750/50R26; 28L-26	6350	+228/-240	F, FS, FC
28"	W15L	IF420/85R28	5600	+175/-187	F, DFC, TF, TFC
30"	DW16L	VF520/85R30; 18.4/15-30; 540/65R30; 500/85R30	4700	+140.5/-152.5	F, DFC, TF, TFC
	DW20B	VF620/70R30; IF600/70R30; 620/75R30; 650/70R30; 23.1-30	5600	+172/-184	F, DFC, TF, TFC
	DW23B	IF620/75R30; IF650/75R30	5600	+203/-215 (with valve guard on the machine's side)	F, DFC, TF, TFC
32"	DW21B	650/75R32; 24.5-32; 680/85R32	7800	+190/-204 (with valve guard on the machine's side)	TF, F, TFC, FC
	DW27B	IF800/65R32; 800/65R32; 800/70R32; 900/60R32; 30.5L-32	9000	+266/-280 (with valve guard on the machine's side)	TF, F, TFC, FC
	DW30B	900/60R32; 900/75R32	11400	+300/-318 (with valve guard on the machine's side)	TF, F, TFC, FC
	DW36B	1050/50R32	8400 przy 25km/h	+180/-196 (ograniczenie (the limitation is due to the possibility of welding on the turntable)	TF, F, TFC, FC

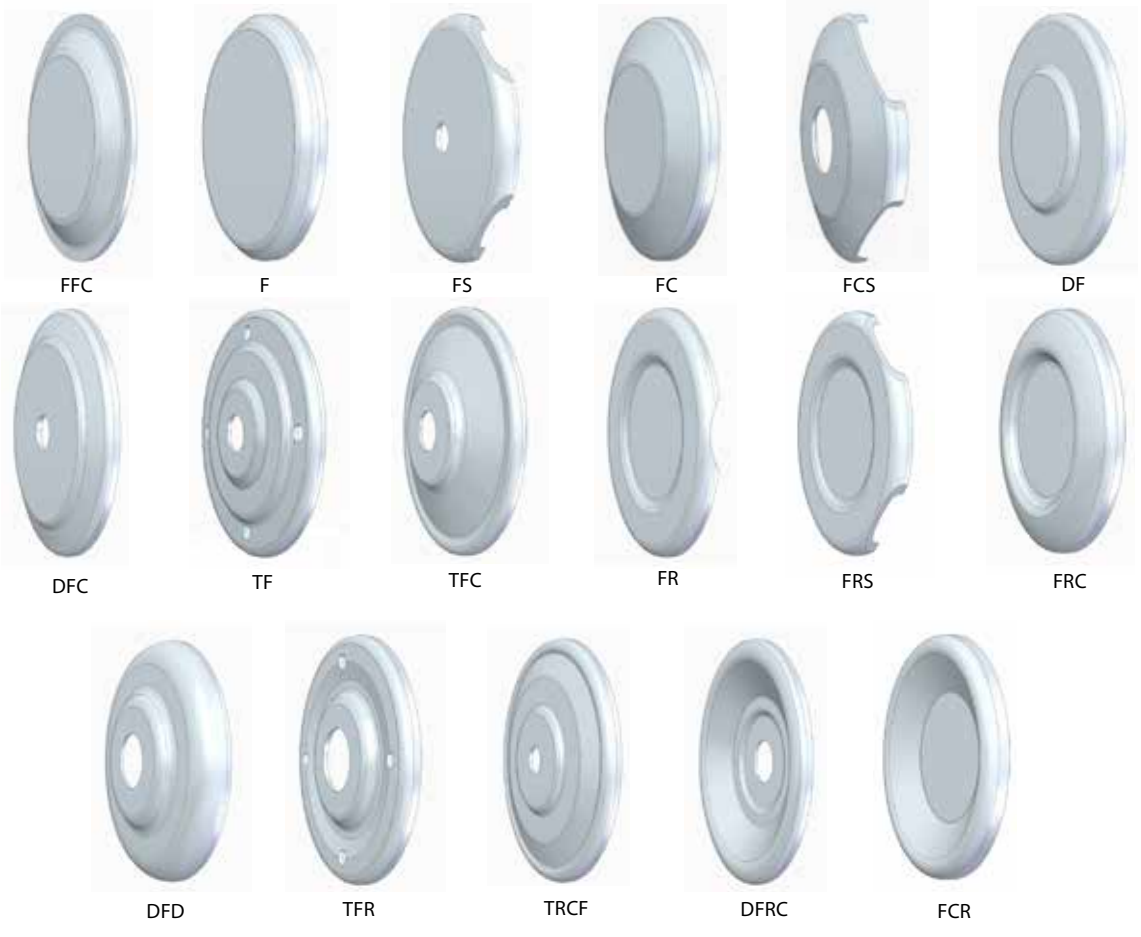
The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Collecting crops is a time of hard work. To quickly collect grains such as barley and rape seeds you need to avoid downtimes and mistakes. The stronger Pronar combine harvesters wheels withstand even the most restrictive working conditions and ensure a quicker process of gathering crops..

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum offset ranges (mm)	Disc profiles
34"	DW20B	IF580/80R34; 620/75R34	5600	+190/-202 (with valve guard on the machine's side)	TRCF, TFR
	DW23B	710/75R34; IF650/65R34	5600	+228/-240 (with valve guard on the machine's side)	TRCF, TFR
38"	DW16L	IF520/85R38	4600	+161/-175	DFRC
	DW20B	620/70R38	9000	+186/-200 (with valve guard on the machine's side)	DFRC
	DW23B	650/75R38, 650/75R38, 710/70R38	9500	+224/-228 (with valve guard on the machine's side)	DFRC
	DW25B	IF710/85R38	9000	+252/-270	DFRC
	DW27B	IF800/70R38	9500	+275/-289 (with valve guard on the machine's side)	DFRC
	DW18L	20.8-38	9300	+186/-200	DFRC
42"	DW16L	IF520/85R42	7000	+210/-228	TRCF, TFR
	DW18L	520/85R42; 580/85R42	8000	+235/-253	TRCF, TFR
	DW20B	620/70R42; 580/85R42	8000	+235/-253 (wentylem do maszyny)	TRCF, TFR
	DW23B	IF710/70R42	8000	+273/-291 (wentylem do maszyny)	TRCF, TFR
	DW 25B	IF710/70R42	8000	+305/-323	TRCF, TFR

PoThe given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Standard shapes of pressed discs used in PRONAR implement and harvesters wheels:



DESIGNED IN COOPERATION WITH LEADING TYRE PRODUCERS

LOAD CAPACITIES EXCEEDING THE WORLD STANDARDS

The wheels are rigorously tested in our Research & Development Center with the diagnostic machines which are unique on a European scale.

THE MOST MODERN TECHNOLOGIES

The matching point, small marking on the rim allows you to perfectly balance the wheel - the technology from the automotive sector.

REPEATABILITY OF THE PRODUCTION

Welding takes place on robots desig-ned and built at PRONAR. It ensures the highest possible repeatability of the products.

THE COMPLETE OFFER FOR TRAILER AND FLOTATION WHEELS

A wide range of sizes - from the smallest 9.00x15,3 to the biggest 28.00x30,5 and a full RAL palette as well as Original Equipment specific colours allow us to equip every trailer model.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
14,5"	6.75x14.5	200/60 14,5	1800	40	+35/-43	F
	8x14.5	200/60 14,5; 250/60 14,5	1800	40	+51/-59	F
	9.5x14.5	300/55-14,5	1800	40	+70/-78	F
15,3"	9.00x15.3	10/75-15,3; 11.5/80-15,3; 12.5/80-15,3	3000	40	+105/-113	F, FS
15,5"	13.00x15.5	400/60-15.5	3500	40	+152/-160	F, FS, FP
	13.00x15.5H2	500/60-15.5	3300	40	+152/-160	F, FS, FP
17"	13.00x17	15.0/55-17	3350	40	+144/-154	F
	16.00x17	500/40-17; 500/50-17	4750	40	+182/-192	F
	16.00x17H2	500/40-17; 500/50-17	4750	65	+182/-192	F

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
19,5"	6.75x19.5	215/70 R19,5; 245/70 R19,5	2400	40	+49/-61	F
	7.50x19.5	265/70 R19,5; 285/70 R19,5	2700	40	+58.5/-70.5	F
	8.25x19.5	285/70 R19,5, 305/70 R19,5	3000	40	+68/-70	F
	11.75x19.5	385/65 R19,5	3500	40	+111/-127	F
	12.25x19.5	385/65 R19,5	3500	40	+117.5/-129.5	F
	13.00x19.5	425/65R19.5	5400	65	+122/-134	F
	14.00x19.5	445/65R19.5	5400	65	+138/-150	F
22,5"	8.25x22.5	315/70 R22.5	4000	40	+81.5/-91.5	F
	9.00x22.5	315/70 R22.5	4000	40	+90/-100 ()	F
	11.75x22.5	385/65R22.5; 400/55R22.5; 400/60R22.5	6500	40	+128/-138	F
	13.00x22,5	400/55 R22.5	6500	40	+144/-154	F
	14.00x22.5	18-22.5; 425/65R22.5; 445/65R22.5	6500	40	+156/-166 (with valve guard on the machine's side)	F
	16.00x22.5	500/45 R22.5; 500/50R22.5; 500/60-22.5;500/60 R22.5; 550/45-22.5; 550/60-22.5; 560/45R22.5; 560/60R22.5	6500	40	+176/-190 (with valve guard on the machine's side)	F
	16.00x22.5H2	500/45 R22.5; 500/50R22.5; 500/60R22.5;500/60R22.5; 550/45R22.5; 550/60R22.5; 560/45R22.5; 560/60R22.5	7250	65	+176/-190	F
	18.00x22.5H2	560/60R22.5; 580/65R22.5	7350	65	+200/-214	F
	20.00x22.5	600/40R22.5; 600/40R22.5; 600/50R22.5; 600/55R22.5; 600/50R22.5; 600/55R22.5; 650/60R22.5	7000	40	+229/-243	F
	20.00x22.5H2	600/40R22.5; 600/40R22.5; 600/50R22.5; 600/55R22.5; 600/50R22.5; 600/55R22.5; 650/60R22.5	7500	65	+224/-238	F
	24.00x22,5H2	700/40R22.5; 700/45R22.5; 700/50R22.5; 710/40R22.5; 710/40R22.5; 710/45R22.5	8000	65	+274/-288	F

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Transport is one of the basic farm activities. The right choice of trailer wheels gives the users the ability to shorten the working time, reduce transport costs and thus increase work productivity. Work on increasing the efficiency of agricultural transport focuses mainly on increasing the machines' load capacities and shortening the delivery times.

COMPLETE WHEEL AND TYRE SOLUTIONS

TRAILER AND FLOTATION WHEELS

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
26,5"	20.00x26.5H2	600/50R26.5; 600/55R26.5; 600/55R26.5; 650/55R26.5; 650/60R26,5	9100	65	+235/-249	F
	24.00x26.5H2	700/40R26.5; 700/50R26.5; 710/50R26.5; 750/45R26.5; 710/45R26.5	9400	65	+285/-299	F
	28.00x26.5H2	800/45R28.5	10 500	65	+270/-284	F
30,5"	20.00x30.5H2	600/60R30.5; 650/65R30.5	11 500	65	+204/-220	F, FRC
	24.00x30.5H2	700/50R30.5; 750/60R30.5	12 900	65	+254/-270	F, FRC
	28.00x30.5H2	800/45R30.5; 850/50R30.5	13 500	65	+239/-255	F, FRC

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Standard shapes of blind discs used in PRONAR flotation wheels:

FS

FP

R

FRC

RELIABILITY IN ALL CONDITIONS

VERY DEPENDABLE VALVE PROTECTION - WITH A CAP

The screwed cover protects the valve against branches and other terrain obstacles, which means you do not have to be concerned about damaging the valve.

YEARS OF EXPERIENCE

We offer customized solutions adapted to work with forwarders, skidders, harvesters, forestry trailers.

REINFORCEMENT ROD

Reinforcement rod with diameter up to 14mm significantly increases load capacities and resistance to deformation. Thanks to this technology Pronar wheels are a recognized and proven product on the Scandinavian market.

ANTICORROSION PROTECTION

Pronar disc wheels last 720 hours in the salt chamber, which is the result of exceeding global standards.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
15,3"	9.00x15.3	10/75-15,3; 11.5/80-15,3; 12.5/80-15,3	3000	40	+105/-113	F, FS
15.5"	13.00x15.5	400/60-15.5	3500	40	+152/-160	F, FS, FP
	13.00x15.5H2	500/60-15.5	3300	40	+152/-160	F, FS, FP
17"	13.00x17	15.0/55-17; 420/55-17	3075	40	+152/-160	F, FS
	16.00x17	19.0/45-17; 500/50-17; 500/55-17 500/65-17	4125	40	50/-105	F, FS
18"	11x18	12.0-18; 12.5/80-18; 13.0/65-18; 14.5/80-18	3800	40	+98/-108	F
	13x18	400/60R18; 15.0/70-18	3800	40	+124/-134	F

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

COMPLETE WHEEL AND TYRE SOLUTIONS

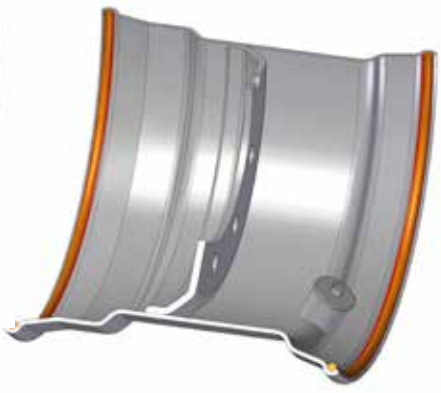
WHEELS FOR FORESTRY MACHINES

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
22.5"	16.00x22.5	500/45 R22.5; 500/50R22.5; 500/60-22.5;500/60 R22.5; 550/45-22.5; 550/60-22.5; 560/45R22.5; 560/60R22.5	6500	40	+176/-190 (with valve guard on the machine's side)	F
	16.00x22.5H2	500/45 R22.5; 500/50R22.5; 500/60R22.5;500/60R22.5; 550/45R22.5; 550/60R22.5; 560/45R22.5; 560/60R22.5	7250	65	+176/-190	F
	20.00x22.5	600/40R22.5; 600/40R22.5; 600/50R22.5; 600/55R22.5; 600/50R22.5; 600/55R22.5; 650/60R22.5	7000	40	+229/-243	F
	20.00x22.5H2	600/40R22.5; 600/40R22.5; 600/50R22.5; 600/55R22.5; 600/50R22.5; 600/55R22.5; 650/60R22.5	7500	65	+224/-238	F
	24.00x22,5H2	700/40R22.5; 700/45R22.5; 700/50R22.5; 710/40R22.5; 710/40R22.5; 710/45R22.5	8000	65	+274/-288	F
	28.00x22,5	710/35R22,5	4000	40	+185/-265	F

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Special construction accessories used in PRONAR forestry wheels:

Valve guard



Reinforcement rod

The cap for valve guard

Forestry industry set the wheels extremely difficult challenges. They require resistance to deformation, structural solidity and extraordinary durability. Wheels for the forestry sector are practically indestructible due to their construction. Moreover, thanks to the materials used, they are adapted to work with large loads. When performing the heaviest jobs such as tree grubbing, mulching or skidding, the work performed with these wheels will be more efficient and safer.

Standard shapes of blind discs used in PRONAR forestry wheels:

FS FP R FRC

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
26"	DW16Lx26	18.4-26; 520/85R26	630	40	+107.5/-119.5	F, FS, FC
	DW20Bx26	23.1-26; 600/75R26; 620/70R26; 620/75R26	650	40	+164.5/-176.5	F, FS, FC
	DW25Bx26	28L-26; 750/50R26; 750/65R26	7000	40	+228/-240	F, FS, FC
26.5"	20.00x26.5H2	600/50R26.5; 600/55R26.5; 600/55R26.5; 650/55R26.5; 650/60R26,5	9100	65	+235/-249	F
	24.00x26.5H2	700/40R26.5; 700/50R26.5; 710/50R26.5; 750/45R26.5; 710/45R26.5	9400	65	+285/-299	F
	28.00x26.5H2	800/45R28.5	10 500	65	+270/-284	F
30.5"	20.00x30.5H2	600/60R30.5; 650/65R30.5	11 500	65	+204/-220	F, FRC
	24.00x30.5H2	700/50R30.5; 750/60R30.5	12 900	65	+204/-220	F, FRC
	28.00x30.5H2	800/45R30.5; 850/50R30.5	13 500	65	+239/-255	F, FRC

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

GOOD SOIL QUALITY AS AN IMPORTANT ELEMENT OF INCREASED CROP YIELDS

NARROW PATH

The use of narrow wheels helps to reduce the width of the path on which the tractor wheels are moving. At the same time it allows to reduce the surface of the kneaded soil while farming.

PROTECTION FROM FUNGAL INFECTIONS

Narrow wheels as opposed to the wide wheels help to avoid problems related to fungal infections. It is possible because of great reduction or complete cessation of their crushing when gathering crops.

YIELD INCREASE

Investing in narrow wheels enables farmers to reduce the number of plants subject to crushing during harvesting, contributing simultaneously to the yield increase.

A WIDE OFFER

We manufacture narrow wheels up to 54 inches in diameter, which is the largest size used in agriculture.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum offset ranges (mm)	Welded disc profiles	Adjustable disc profiles
24"	W7	8.3-24	3300	+157/-165	F:FS;FC;FCS	HF;SF
	W8	9.5-24	3300	+170/-178	F:FS;FC;FCS	HF;SF
	W9	11.2-24; 12.4-24	3300	+177/-185	F:FS;FC;FCS	HF;SF
	W10	11.2	4700	+190/-198	F:FS;FC;FCS	HF;SF
	W11	12.4R24; 14.9-24; 360/70R24; 420/65R24	3500	+203/-211	F:FS;FC;FCS	HF;SF
	W12	13.6R24; 380/70R24	4700	+216/-224	F:FS;FC;FCS	HF;SF

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

COMPLETE WHEEL AND TYRE SOLUTIONS

ROW CROP WHEELS

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum offset ranges (mm)	Welded disc profiles	Adjustable disc profiles
28"	W8	250/85R28; 9.5/R28	4200	+181/-191	F:FS;FC;FCS;DF	SF;HF;HFD;HFR; OF;OFD;OFR
	W9	11.2R28	4200	+188/-198	F:FS;FC;FCS;DF	SF;HF;HFD;HFR; OF;OFD;OFR
	W10	280/85R28; 11.2R28; 320/85R28; 12.4R28	4200	+201/-211	F:FS;FC;FCS;DF	SF;HF;HFD;HFR; OF;OFD;OFR
	W11	420/65R28; 12.4R28	4200	+214/-224	F:FS;FC;FCS;DF	SF;HF;HFD;HFR; OF;OFD;OFR
	W12	13.6R28; 380/70R28	4700	+227/-237	F:FS;FC;FCS;DF	SF;HF;HFD;HFR; OF;OFD;OFR
32"	W7	210/95R32; 8.3R32	2700	+167/-179	FC;DF;TFR;TFC;TF;	SF;HF;HFR;OF;OFD;OFR
	W8	230/95R32; 9,5R32; 270/80R32;270/95R32; 11.2R32	2700	+180/-192	FC;DF;TFR;TFC;TF; FC;DF;TFR;TFC;TF;	SF;HF;HFR;OF;OFD;OFR SF;HF;HFR;OF;OFD;OFR
	W10	12.4R32; 320/85R32	2700	+200/-212	FC;DF;TFR;TFC;TF;	SF;HF;HFR;OF;OFD;OFR
	W11	320/85R32	2700	+213/-225	FC;DF;TFR;TFC;TF;	SF;HF;HFR;OF;OFD;OFR
36"	W7	230/95R36; 9.5R36	2700	+180/-192	TRCF;FC;DFC;DFRC;	SF;OF;OFD;OFR;RF
	W8	270/95R36; 11.2R36; 270/80R36; 230/95R36; 9.5R36	2700	+180/-192	TRCF;FC;DFC;DFRC;	SF;OF;OFD;OFR;RF
	W10	11.2R36; 12.4R36	2700	+200/-212	TRCF;FC;DFC;DFRC;	SF;OF;OFD;OFR;RF
	W11	12.4R36	2700	+213/-225	TRCF;FC;DFC;DFRC;	SF;OF;OFD;OFR;RF
	W12	13.6R36; 340/85R36	2700	+226/-238	TRCF;FC;DFC;DFRC;	SF;OF;OFD;OFR;RF
38"	W8	270/95R38; 11.2R38	2500	+170/-182	TFRC;SF	SF;OF;OFD;OFR;RF
	W10	12.4R38; 320/85R38	2500	+190/-202	TFRC;SF	SF;OF;OFD;OFR;RF
	DW10	12.4R38; 320/85R38	3600	+168/-180	TRCF;FC;DFC;DFRC;	SF;OF;OFD;OFR;RF
	DW11	12.4R38	3600	+180/-192	TRCF;FC;DFC;DFRC;	SF;OF;OFD;OFR;RF
	W12	13.6R38; 380/80R38	2500	+216/-228	TFRC;SF	SF;OF;OFD;OFR;RF
	DW12	13.6R38; 380/80R38	3600	+192/-204	TRCF;FC;DFC;DFRC;	SF;OF;OFD;OFR;RF

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

COMPLETE WHEEL AND TYRE SOLUTIONS

ROW CROP WHEELS

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum offset ranges (mm)	Welded disc profiles	Adjustable disc profiles
42"	W8	230/95R42; 9.5R42; 300/85R42; 11.2R42	2700	+150/-162	DF;TF;SF;TFC;	SF;OF;OFD;OFR;RF
	W10	300/85R42; 11.2R42; 300/95R42; 12.4R42; 320/90R42	2700	+170/-182	DF;TF;SF;TFC;	SF;OF;OFD;OFR;RF
44"	W7	210/95R44; 8.3R44; 230/95R44	3550	+138/-150	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF
	W8	270/95R44; 11.2R44; 230/95R44; 9.5R44	3550	+150/-162	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF
	W10	270/95R44; 11.2R44	3550	+170/-182	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF
46"	W10	300/95R46; 12.4R46	3550	+190/-202	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF
	W12	340/85R46; 380/90R46	3550	+216/-228	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF
	DW13	380/90R46	6000	+181/-193	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Soil structure is the basic element responsible for its efficiency, that is why work with it requires so much commitment . The inevitable activity associated with the process of growing crops is the use of various types of agricultural machinery. These actions lead to the kneading of the soil by connecting the wheels and tyres of the machines with the ground. If the process of kneading the soil is too strong, then it leads to a decrease in its fertility. The fundamental condition for avoiding such cases and obtaining the largest yields is choosing the right equipment.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40 km/h	Maximum offset ranges (mm)	Welded disc profiles	Adjustable disc profiles
48″	W8	230/95R48; 9.5R48; 270/95R48; 11.2R48	3550	+170/-182	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF
	W10	270/95R48; 11.2R48	3550	+190/-202	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF
	W12	340/85R48; 13.6R48	3550	+216/-228	SF;TFC;TFCW;	SF;OF;OFD;OFR;RF
50″	W10	270/95R50; 320/90R50	2700	+170/-182	SF;	SF;OF;OFD;OFR;RF
	W12	380/90R50	2700	+196/-208	SF;	SF;OF;OFD;OFR;RF
	W13	380/90R50	2700	+208/-220	SF;	SF;OF;OFD;OFR;RF
52″	W10	300/95R52	2700	+170/-182	SF;	SF;OF;OFD;OFR;RF
	W12	300/95R52	2700	+196/-208	SF;	SF;OF;OFD;OFR;RF
54″	W10	270/95R54; 320/90R54	2700	+170/-182	SF;	SF;OF;OFD;OFR;RF
	W12	380/90R54	2700	+196/-208	SF;	SF;OF;OFD;OFR;RF

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Standard shapes of adjustable discs used in PRONAR row crop wheels:

HF

AF

HFD

HFR

OF

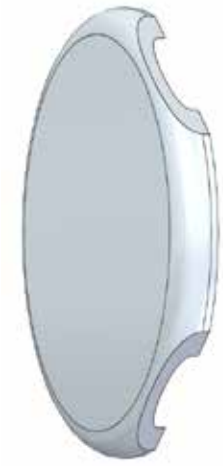
OFD

OFR

RF

Standard shapes of welded discs used in PRONAR row crop wheels:

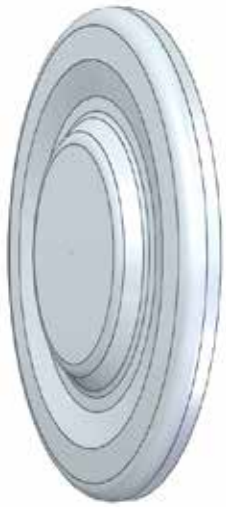
F


FS

FC

FCS

DF


TFR

TFC

TF

DFRC

TFCW

WHEELS CREATED FOR EXTREMLY HARD JOBS

Construction and utility wheels are created by us mainly for front loaders and telehandlers, backhoe loaders as well as road rollers. Wheels dedicated to the mentioned machines must have a long service life and high resistance to mechanical damages in unfavorable working conditions. We realize that the construction and utility machines are often working both in the field and on the construction site. When creating wheels for OEMs, we always know the purpose of the machine, which allows us to create a wheel ideally designed for its use.

EXPERIENCE THAT BRINGS BENEFITS

Pronar wheels are used by the leading manufacturers of construction machinery in many markets. We have in our offer wheels dedicated for specific machine models.

HIGH GRADE STEEL

We use only high grade materials for production of our wheels (originating from European steel mills). We have our own steel warehouse, where each delivery of steel is meticulously checked by Steel Quality Control Department.

COMPLETE WHEELS

We supply our customers with disc wheels or complete wheels equipped with tyres from the leading manufacturers. We work with many tyre manufacturers and we are able to offer almost all tyres available on the market.

ADDITIONAL PROTECTION

The additional painting inside of the wheel provides anti-corrosion protection, which is extremely important when the water ballasting is used.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
12"	4,25	7-12.00	950	40	+38/-44(with valve guard on the machine's side)	F; FS
	5JA	6.5/80-12	950	40	+47/-53(with valve guard on the machine's side)	F; FS
	7	10/80-12	950	40	+64/-70	F; FS
	10,50	24x12.00-12	1000	40	+108/-114	F; FS
16"	4,00E	5.50-16	600	40	+45/-51	FC; FCS; FRC; FCR
	4,50E	6.00-16	870	40	+53/-59(with valve guard on the machine's side)	FC; FCS; FRC; FCR
	5,00F	7.50-16; 180/95R16	870	40	+53/-59	FC; FCS; FRC; FCR; F; FS
	5,50F	6,50-16; 7.50-16	870	40	+56/-62	FC; FCS; FRC; FCR; F; FS
	6,00L	7-16; 8-16	1300	40	+68/-74(with valve guard on the machine's side)	FC; FCS; FRC; FCR; F; FS
	W6	200/70R16	2000	40	+114/-126	FC; FCS;FRC;F;FS
	W7	200/70R16; 220/70R16	2400	40	+126/-138	FC; FCS;FRC;F;FS
	W8	240/70R16; 260/70R16; 275/65R16; 320/65R16	2400	40	+138/-150	FC; FCS;FRC;F;FS
	9,00	10.5/65-16	2350	40	+104/-110	F; FS
	W10	11.00-16	2800	40	+163/-175	FC; FCS;FRC;F;FS
	12	13.6R16	3200	40	+188/-200	FC; FCS;FRC;F;FS
16.5"	8.25	10-16.5	2300	40	+85/-152	F;FS
	9.75	12-16.5	2300	40	+105/-172	F;FS
18"	4,50E	6.00-18	670	40	+52/-60(with valve guard on the machine's side)	F;FS;FR;FRS
	5,50F	7.50-18	1250	40	+60/-68(with valve guard on the machine's side)	F; FS; FCS
	W8	9.50-18	2100	40	+40/-50	Flat disc
	9,00	10.5/80-18; 12.5/80-18; 275/80R18	3500	40	+75/-85	F
	W9	275/65R18; 280/80R18; 320/65R18; 340/65R18; 280/70R18	2500	40	+43/-53	Flat disc
	11,00	340/65R18	3800	40	+98/-108	F
20"	5.50F	6.50-20; 7.50-20	880	40	+50/-58	DF; FRC; FR; FS;
	W7	8.3-20; 9.5-20; 210/95R20	3300	40	+113/-121	F; FS
	W8	280/70R20; 260/70R20; 250/85R20	4000	40	+125/-133	F; FS;
	W9	10,5R20; 280/70R20; 280/80R20; 300/70R20	3700	40	+132/-140	F;FS;
	W10	11.2-24; 12.5R20; 320/70R20; 340/80R20; 420/65R20	3600	40	+144/-152	F;S;
	W11	340/80R20; 375/75R20; 12.4-24; 340/65R20; 360/70R20; 320/85R20	3600	40	+156.5/-164.5	F;FS;
	W12	14.5R20; 380/75R20; 380/70R20	4000	40	+169/-177	F; FS;
	W13	380/70R20; 14.9-24; 420/65R20	3800	40	+181/-189	F;FS;
	W14/W14L	440/65R20	3500	40	+185.5/-193.5	F;FS;
	W16L	500/45-20; 500/50-20	4500	40	+211/-219	F;S;

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
22,5"	16.00x22.5	500/45 R22.5; 500/50R22.5; 500/60-22.5;500/60 R22.5; 550/45-22.5; 550/60-22.5; 560/45R22.5; 560/60R22.5	6500	40	+176/-190 (with valve guard on the machine's side)	F
	16.00x22.5H2	500/45 R22.5; 500/50R22.5; 500/60R22.5;500/60R22.5; 550/45R22.5; 550/60R22.5; 560/45R22.5; 560/60R22.5	7250	65	+176/-190	F
	20.00x22.5	600/40R22.5; 600/40R22.5; 600/50R22.5; 600/55R22.5; 600/50R22.5; 600/55R22.5; 650/60R22.5	7000	40	+229/-243	F
	20.00x22.5H2	600/40R22.5; 600/40R22.5; 600/50R22.5; 600/55R22.5; 600/50R22.5; 600/55R22.5; 650/60R22.5	7500	65	+224/-238 (with valve guard on the machine's side)	F
	24.00x22.5	700/40R22.5; 700/45R22.5; 700/50R22.5; 710/40R22.5; 710/40R22.5; 710/45R22.5	8000	65	+274/-288	F
24"	W7	8.3-24	3300	40	+84.5/-94.5	F; FS; FCR
	W8	9.5-24; 250/85R24	3300	40	+97/-107	F; FS; FCR
	W9	11.2R24; 12.4-24	3300	40	+104.5/-114.5	F; FS; FCR
	W10	11.2R24; 320/70R24	4700	40	+117.5/-127.5	F; FS;
	W11	12.4R24; 14.9-24; 300/80R24; 360/70R24; 420/65R24	3500	40	+130/-140	F; FS;
	W12	13.6R24; 380/70R24; 380/85R24	4700	40	+143/-153	F; FS;
	W13	14.9R24; 420/70R24; 420/65R24	4700	40	+155.5/-165.5	F; FS;
	W14L	16.9R24; 480/70R24; 440/65R24	4700	40	+160/-170	F; FS;
	W15L	16.9R24; 480/65R24; 480/70R24	4700	40	+172/-182	F; FS;
	W16L	500/85R24; 540/65R24	4700	40	+184/-194	F; FS:
	DW16L	500/85R24	4900	40	+111/-123	F

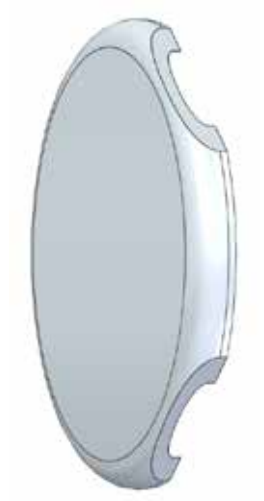
The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Wheel diameter	Rim profile	Tyre sizes	Maximum load capacity (kg) at 40km/h	Maximum speed km/h	Maximum offset ranges (mm)	Disc profiles
26"	DW12L	13.6-26	4000	40	+112/-124	F
	DW16L	18.4R26; 480/80R26; 480/80-26; 580/70R26	6300	40	+107.5/-119.5	F
	DW20B	620/70R26; 620/75R26; 23.1-26	6500	40	+164.5/-176.5	F
	DW25B	710/65R26; 750/65R26	7000	40	+228/-240	F
26,5"	20x26.5H2	600/50R26.5; 600/55R26.5; 600/55R26.5; 650/55R26.5; 650/60R26,5	9100	65	+235/-249	F
	24.00x26.5H2	700/40R26.5; 700/50R26.5; 710/50R26.5; 750/45R26.5; 710/45R26.5	9400	65	+285/-299	F
	28.00x26.5H2	800/45R28.5	10500	65	+270/-284	F

The given load capacities refer to the optimal strength combinations and are not available for all connections and offsets.

Standard shapes of pressed discs used in PRONAR construction and utility wheels:

F


FS

FR

FRS

FC

FCS

FRC

FCR

DF

PRONAR offers agricultural, industrial, grass and forestry tyres. All tyres offered by Pronar have been tested in the Pronar Research & Development Center and successfully used for many years on PRONAR agricultural machinery. Thanks to close cooperation with the producers (OEM) we are sure that the tyres we offer will meet the expectations of the most demanding customers. The tyres have all the required certificates and approvals that allow their application in the EU.

In Poland PRONAR is the sole distributor of:

CARLISLE

A reputable American producer of grass, agricultural and industrial tyres. The company with a century-long tradition in the production of tyres, a brand known mainly in the United States has branches all around the world. Carlise tyres are delivered to the largest producers of agricultural equipment in the United States and Canada.

TVS EUROGRIP

One of the largest Indian tyre manufacturers with an annual turnover of 8 billion dollars. It has mainly industrial and agricultural tyres in offer. TVS EUROGRIP is present in about 70 countries around the world. Annual tyre production - 25 million pieces of tyres.

TIANLI LEAO TYRES

The Asian manufacturer was founded in 1985. It specializes mainly in agricultural and forestry tyres, as well as industrial and construction tyres. Tianli & Leao tyres are characterized by the highest quality at affordable prices.

PRONAR is also the official distributor of complete assemblies based on tyres manufactured by Michelin, Kleber and Taurus.

We are the exclusive supplier of agricultural wheels for the Michelin group - the largest tyre manufacturer in Europe and one of the largest in the world. It produces about 200 million tyres per year, has 67 production plants in 17 countries. We jointly conduct research on the development and creation of new products.

PRONAR ON THE DOMESTIC MARKET

7 200 m²
THE SURFACE AREA OF HEATED WAREHOUSE

600
TYRE SIZES IN STOCK

25 000
DELIVERIES PER YEAR

15 000
TYRES IN STOCK

500
AVAILABLE TREADS

WE OFFER COMPLETE WHEELS AT THE MOST AFFORDABLE PRICES ON THE MARKET

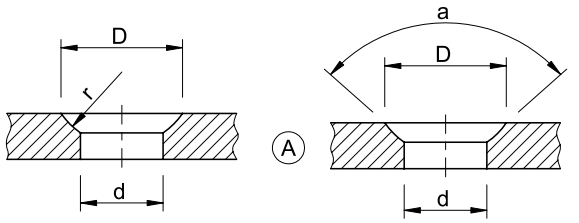
WE DELIVER OUR PRODUCTS TO OEMs AND WHOLESALERS

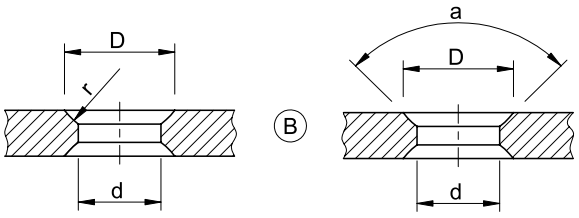
Stud hole types

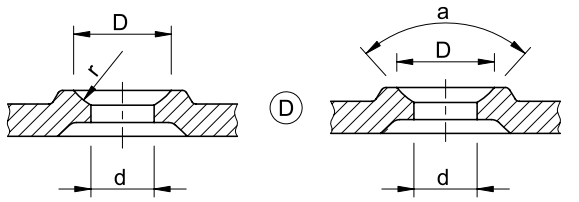
Spherical stud holes dimensions				Conical stud holes dimensions			
Nr/No.	d	D	r	Nr/No.	d	D	a
1	18,5	24	14	13	15	19,8	60°
2	21,5	27	16	15	16	22	90°
3	27	32	18	16	15,5	-	60°
5	32,2	37	22,2	20	28,6	36	90°
12	16	20	12	21	21,5	27	90°

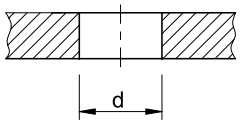
Standard pitch circle diameters (PCD)

No. of bolt holes	Central hole diameter	PCD	Bolt hole diameter
n	D1	D2	d
5	70	112	16
	80	115	16
	94	140	16.5/18.5
	101.7	139.7	16
	110	160	18.5
	135	175	20
	290	335	21.5
6	80	120	20
	85	130	18
	117.7	152.4	14.7/16/18
	135	170	17
	161	205	21.5
	163	222.3	32
	180	230	20
	280	325	20
	382.5	425	17
8	109	152.4	17
	110	152.4	20.5
	140	203.2	21
	145	190	20.5
	151	203.2	20
	152.6/153	203.2	17/19
	160	220	27
	161	205	21.5
	170	220	27
	199.5	250	21.5
	221	275	21.5/27
	290	330	17
	362.5	405	17
10	281	335	27
12	390	430	17

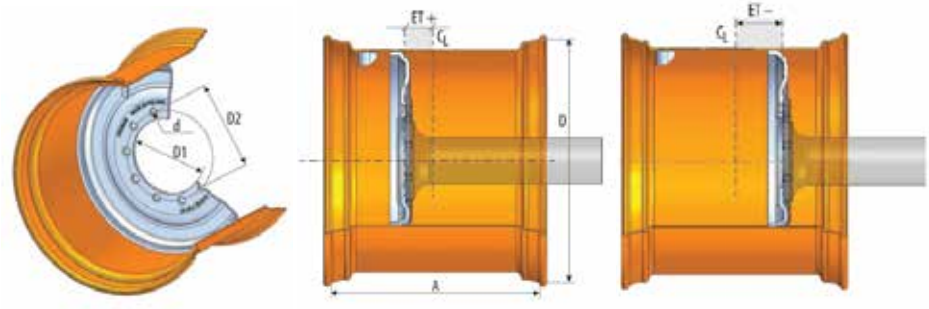








Technical data



A - width of the wheel, D - wheel diameter, D1 - central hole diameter ,
D2 - Pitch Circle Diameter, d - bolt hole diameter, ET - offset

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Narew Factory no.1

Narew Factory no.2

Narew Factory no.3

Narewka

Strabla

Siemiatycze

Hajnówka

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The current version of general terms of sale available on our webpage www.pronar.pl

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PRONAR

Technology for nature