2019 Globe Master OTR Tyres Catalogue

Consulting

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simplifying OTR Tyre Operations

27.00R49 GM162-S

Characteristics:

1.GM162-S is upgraded based on GM166-S pattern;
2.The deeper grooves and larger tread blocks help the tire with better braking performance and cut resistance;
3.The design of wide grooves in the shoulder help to provide better heat release
4.Applicable to all mines.

Technical Data

Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
27.00R49	mm	82	740	726	2690	7716	1858	815	2815	1228	868	895	19.50/4.0		500
	inches	*3.23*	*29.13*	*28.58*	*105.91*	*303.78*		*32.09*	*110.83*	*48.35*	*34.17*	*35.24*			

Payload Limit Under Different Air Pressure

27.00R49	Air Pressure	kPa	450	475	500	525	550	575	600	625	650
		psi	65	69	73	76	80	83	87	91	94
	Payload Limit	kg	20600	21800	22400	23000	23600	25000	25750	26500	**27250****
		lbs.	45400	48100	49400	50700	52000	55100	56800	58400	**60000****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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27.00R49 GM163-S

Characteristics:

1. The huge tread blocks in the center of the tyre crown ensure it has a greater contact area;
2. GM163-S exhibits better puncture resistance and wear resistance which leads to a prolonged service life.
3. The design of wide grooves in the shoulder help better heat release ;
4. Applicable to a requirement for a harder compound and poor mining conditions.

Tire Size	Pattern	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
			Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
27.00R49	mm	740	82	740	726	2690	7716	1858	815	2815	1228	868	895	19.50/4.0		450
	inches	*29.13*	*3.23*	*29.13*	*28.58*	*105.91*	*303.78*		*32.09*	*110.83*	*48.35*	*34.17*	*35.24*			

Payload Limit Under Different Air Pressure											
27.00R49	Air Pressure	kPa	450	475	500	525	550	575	600	625	650
		psi	65	69	73	76	80	83	87	91	94
	Payload Limit	kg	20600	21800	22400	23000	23600	25000	25750	26500	**27250****
		lbs.	45400	48100	49400	50700	52000	55100	56800	58400	**60000****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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27.00R49 GM166-S

Characteristics:

1.Applies in any tough mine environment, such as iron ore mines or copper mines

2.The central curve pattern guarantees better heat disipation

3.Good wear resistance and puncture resistance.

Technical Data															
Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
27.00R49	mm	70	740	726	2690	7716	1858	815	2815	1228	868	895	19.50/4.0		525
	inches	*2.76*	*29.13*	*28.58*	*105.91*	*303.78*		*32.09*	*110.83*	*48.35*	*34.17*	*35.24*			

Payload Limit Under Different Air Pressure											
27.00R49	Air Pressure	kPa	450	475	500	525	550	575	600	625	650
		psi	65	69	73	76	80	83	87	91	94
	Payload Limit	kg	20600	21800	22400	23000	23600	25000	25750	26500	**27250****
		lbs.	45400	48100	49400	50700	52000	55100	56800	58400	**60000****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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33.00R51 GM162-S

Characters:

1.GM162 is upgraded based on GM166 pattern;
2.The deeper grooves and larger tread blocks help tire develop better braking performance and cut resistance;
3.The design of wide grooves in the shoulder produce better heat release ;
4.Applicable to all kinds of mining area.

Technical data

Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
33.00R51	mm	95	920	871	3030	8526	2996	990	3200	1357	1065	1080	24.00/5.0		565
	inches	*3.74*	*36.22*	*34.29*	*119.29*	*335.67*		*38.98*	*125.98*	*53.43*	*41.93*	*42.52*			

Payload Limit Under Different Air Pressure

33.00R51	Air Pressure	kPa	450	475	500	525	550	575	600	625	650
		psi	65	69	73	76	80	83	87	91	94
	Payload Limit	kg	30000	30750	32500	33500	34500	35500	36500	37500	**38750****
		lbs.	66000	68000	71500	74000	76000	78500	80500	82500	**85500****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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40.00R57 GM162-S

Characters:

1.GM162 is upgraded based on GM166 pattern;
2.The deeper grooves and larger tread blocks help tire develop better braking performance and cut resistance;
3.The design of wide grooves in the shoulder help produce better heat release ;
4.Applicable to all kinds of mining area.

Technical Data

Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
40.00R57	mm	99	1130	1060	3560	10084	5380	1215	3765	1605	1345	1380	29.00/6.0	32.00/6.0	880
	inches	*3.90*	*44.49*	*41.73*	*140.16*	*397.01*		*47.83*	*148.23*	*63.19*	*52.95*	*54.33*			

Payload Limit Under Different Air Pressure

40.00R57	气压 Air Pressure	kPa	475	500	525	550	575	600	625	650	675	700	725
		psi	69	73	76	80	83	87	91	94	98	102	105
	负荷限额 Payload Limit	kg	42500	45000	46250	48750	50000	51500	53000	54500	56000	58000	**60000****
		lbs.	93500	99000	102000	107500	110000	113500	117000	120000	123500	128000	**132500****

Note : 1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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40.00R57 GM168-S

Characters:

1.The huge tread blocks help the tyre produce better road holding and cut resistance;
2.The wide horizontal groove improves heat dispersion self cleaning;
3.The full support design of tyre shoulder ensures the minimum crown deformation.

Technical Data

Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
40.00R57	mm	93	1130	1060	3560	10084	5380	1215	3765	1605	1345	1380	29.00/6.0		915
	inches	*3.66*	*44.49*	*41.73*	*140.16*	*397.01*		*47.83*	*148.23*	*63.19*	*52.95*	*54.33*			

Payload Limit Under Different Air Pressure

气压 Air Pressure	kPa	475	500	525	550	575	600	625	650	675	700	725
	psi	69	73	76	80	83	87	91	94	98	102	105
负荷限额 Payload Limit	kg	42500	45000	46250	48750	50000	51500	53000	54500	56000	58000	**60000****
	lbs.	93500	99000	10200	107500	110000	113500	17000	120000	123500	128000	**132500****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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40.00R57 GM368-S

Characters:

1.The design of wide tread lugs contribute to better road holding and cut resistance;

2.Good driving performance reduces the uneven wear;

3.Heat dissipation and road holding makes longer life time and wear/cut resistance;

4.Reduces rock cuts

Technical Data															
Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
40.00R57	mm	93	1130	1060	3560	10084	5380	1215	3765	1605	1345	1380	29.00/6.0	32.00/6.0	930
	inches	*3.66*	*44.49*	*41.73*	*140.16*	*397.01*		*47.83*	*148.23*	*63.19*	*52.95*	*54.33*			

Payload Limit Under Different Air Pressure												
气压 Air Pressure	kPa	475	500	525	550	575	600	625	650	675	700	725
	psi	69	73	76	80	83	87	91	94	98	102	105
负荷限额 Payload Limit	kg	42500	45000	46250	48750	50000	51500	53000	54500	56000	58000	**60000****
	lbs.	93500	99000	102000	107500	110000	113500	117000	120000	123500	128000	**132500****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.

2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

46/90R57 GM368-S

Characters:

1.The design of wide tread lugs contribute to better road holding and cut resistance;

2.Good driving performance reduces uneven wear;

3.Heat dissipation and road holding makes longer life time and wear/cut resistance;

4.Reduce rock cuts.

Technical Data															
Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
46/90R57	mm	85	1180	1060	3560	10040	5510	1285	3658	1598	1440	1467	29.00/6.0	32.00/6.0	990
	inches	*3.35*	*44.49*	*41.73*	*140.16*	*397.01*		*50.59*	*144.02*	*62.91*	*56.69*	*57.76*			

Payload Limit Under Different Air Pressure												
气压 Air Pressure	kPa	450	475	500	525	550	575	600	625	650	675	700
	psi	65	69	73	76	80	83	87	91	94	98	102
负荷限额 Payload Limit	kg	45000	47500	48750	51500	53000	54500	56000	58000	60000	61500	**63000****
	lbs.	99000	104500	107500	113500	117000	120000	123500	128000	132500	134500	**139000****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.

2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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46/90R57 GM569-S

Characters:

1. GM569 is upgraded based on GM566 pattern, to achieve a better running performance and wear resistance;
2. Lower heat generation;
3. Central connected pattern ensures the minimum deformation of tyre crown, hollow design in tyre shoulder improves the heat dissipation.

Technical Data															
Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
46/90R57	mm	85	1180	1060	3560	10040	5510	1285	3658	1598	1440	1467	29.00/6.0	32.00/6.0	990
	inches	*3.35*	*44.49*	*41.73*	*140.16*	*395.28*		*50.59*	*144.02*	*62.91*	*56.69*	*57.76*			

Payload Limit Under Different Air Pressure												
气压 Air Pressure	kPa	450	475	500	525	550	575	600	625	650	675	700
	psi	65	69	73	76	80	83	87	91	94	98	102
负荷限额 Payload Limit	kg	45000	47500	48750	51500	53000	54500	56000	58000	60000	61500	**63000****
	lbs.	99000	104500	107500	113500	117000	120000	123500	128000	132500	134500	**139000****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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50/80R57 GM569-S

Characters:

1. GM569 is upgraded based on GM566 pattern, to achieve a better running performance and wear resistance;
2. Lower heat generation;
3. Central connected pattern ensures the minimum deformation of tyre crown, hollow design in tyre shoulder improves the heat dissipation.

Technical Data															
Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
50/80R57	mm	85	1266	1090	3620	9978	6520	1324	3619	1572	1554	1583	29.00/6.0		1170
	inches	*3.35*	*49.84*	*42.91*	*142.52*	*388.90*		*52.83*	*142.48*	*61.89*	*61.18*	*62.32*			

Payload Limit Under Different Air Pressure								
气压 Air Pressure	kPa	450	475	500	525	550	575	600
	psi	65	69	73	76	80	83	87
负荷限额 Payload Limit	kg	58000	60000	63000	65000	67000	71000	**730000****
	lbs.	128000	132500	139000	143000	147500	156500	**161000****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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50/80R57 GM993-S

Characters:

1.Wider tread volume provide better running traction and higher wear resistance;
2.Better cut resistance;
3.Perfect ability to grab;
4.Applicable for various mine conditions even rough mud haul-road.

Technical Data															
Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
50/80R57	mm	85	1266	1090	3620	9878	6520	1342	3619	1572	1554	1583	34.00/5.0		1207
	inches	*3.35*	*49.84*	*42.91*	*142.52*	*388.90*		*52.83*	*142.48*	*61.89*	61.18	*62.32*			

Payload Limit Under Different Air Pressure									
50/80R57	Air Pressure	kPa	450	475	500	525	550	575	600
		psi	65	69	73	76	80	83	87
	Payload Limit	kg	58000	60000	63000	65000	67000	71000	**73000****
		lbs.	128000	132500	139000	143500	147500	156500	**161000****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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53/80R63 GM688-S

Characters:

1.Brand-new pattern design make it own excellent self-cleaning ability;
2.The huge tread blocks help the tyre produce better road holding and cut resistance;
3.Perfect running capability;
4.Suitable for different mine condition and road condition.

Technical Data															
Tire Size	Unit	Dimensions of New Tire(mm)						Dimensions of In-service Tire					Rim		TKPH
		Tread Depth	Overall Section Width	Section Height	External Tire Diameter	Rolling Circumference	Inter capacity (L)	Maximum Overall Section Width	Maximum External Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum Dual Spacing	Standard	Optional	Average
53/890R63	mm	85	1330	1094	3780	10298	7850	1480	3845	1639	1625	1678	36.00/5.0	38.00/5.0	1277
	inches	*3.35*	*52.36*	*43.07*	*148.82*	*405.43*		*58.27*	*151.38*	*64.53*	*63.98*	*66.06*			

Payload Limit Under Different Air Pressure									
53/80R563	Air Pressure	kPa	450	475	500	525	550	575	600
		psi	65	69	73	76	80	83	87
	Payload Limit	kg	67000	69000	71000	75000	77500	80000	**82500****
		lbs.	147500	152000	156500	165500	171000	176500	**182000****

Note：1.The number in boldface means the HIGHEST payload of it's star class in the same cell.
2.When highest speed is 65 km/h, the payload should DECREASE 12% with the same pressure.

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