



MOTORCYCLE TIRE

2018

CONTENT

03 **PRODUCT
SERIES**

04 **TECHNOLOGY**

07 **ON-ROAD**

29 **ON / OFF**

39 **OFF-ROAD**

43 **MOPED &
OTHERS**

45 **DR. TIRE'S
LESSONS**

52 **TUBE**

PRODUCT SERIES

ON-ROAD Mainly use on-road condition (designed for high ratio of land)

URBAN

City | Commuting | Comfort



TOURING

All Weather | Long Life | Safety Request



ON / OFF Both on- and off-road condition

TRAIL

All-round | both on and off



OFF-ROAD Totally off-road condition (designed for less land ratio)

ENDURO

All-round | Off-road



MOTOCROSS

Rally cross



MOPED

Motorized bicycle, lower speed and smaller horsepower



OTHERS

Small size and low speed

Trailer
Wheelbarrow
Golf Cart
Gardening Vehicles



RECOMMENDED USE

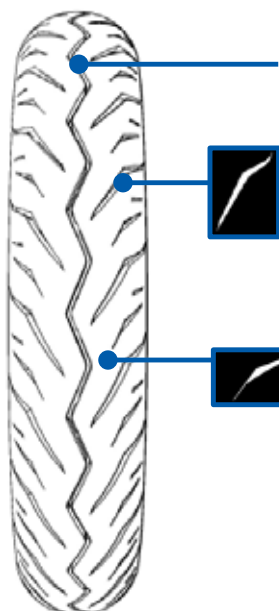
URBAN	TOURING	TRAIL	NEW PRODUCT	PAGE	PAVED	MIXED	DIRT	LOOSE
•			VALKYRIE	08				
•			STREET RANGER	09				
•			POSEIDON	10				
•			ZEUS	11				
•			DEVIL EYE	12				
•			BULKY RHINO R	13				
•			BULKY RHINO F	14				
•			REGINA	15				
•			REX	16				
	•		TRAVELER SE	26				
		•	ROCK HULK	30				
		•	TERRA	31				
		•	TURIS	32				



ON-ROAD

- Urban
- Touring

SWALLOW VALKYRIE



Zigzag grooves, not only drain out, also add traction

Dual angle grooves, first stage, sharp angle to drain out quickly and low resistance effect; Second stage, a bit lateral direction, add traction when cornering

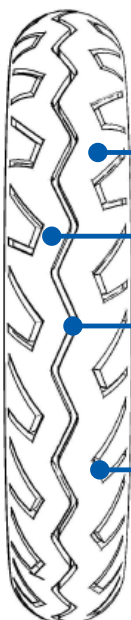
Sipe + groove, special combo for steering, front sipe assistance in drain out water to groove, and also add sport performance when contact. This is a balanced design of the tire tread



MT - 420

Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	70/90-14	34	P	TL	DC	1.60
	80/90-14	40	P		TC	
	90/90-14	46	P		DC	1.85
	80/80-14	37	P		TC	
	90/80-14	43	P		DC	2.15
	100/80-14	48	P		TC	
					DC / SR-T1 TC / SR-T1	2.50
17"	90/90-17	49	P		DC	2.15
	70/80-17	35	P		TC	
	80/80-17	41	P		DC	1.60
	90/80-17	46	P		TC	
	100/80-17	52	P		DC	1.85
					TC	
					DC / SR-T1 TC / SR-T1	2.15
					DC / SR-T1 TC / SR-T1	2.50

SWALLOW STREET RANGER



Street style, high land ratio tread design for comfortable and steady contact with ground

Staggered grooves, balanced design for tread wear and drain out

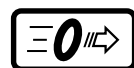
Zigzag grooves, not only drain out, also add traction

Opposite direction groove, add traction performance

Close shoulder, make good cornering



Dry Grip



Rolling



Handling



Mileage



Comfort



Drainage

MT - 421

Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	70/90-14	34	P	TL	DC	1.60
	80/90-14	40	P		TC	
	90/90-14	46	P		DC	1.85
	80/80-14	37	P		TC	
	90/80-14	43	P		DC	2.15
	100/80-14	48	P		TC	
					DC / SR-T1	2.50
17"	90/90-17	49	P		TC / SR-T1	
	70/80-17	35	P		DC	2.15
	80/80-17	41	P		TC	
	90/80-17	46	P		DC	1.60
	100/80-17	52	P		TC	
					DC	1.85
					TC	
					DC	2.15
					TC	
					DC / SR-T1	2.50
					TC / SR-T1	

SWALLOW POSEIDON



Master grooves, dual vertical groove make drain out quickly



Ring sipe design, bypass design to reinforce water out. Assistance in drain out water vertical and lateral

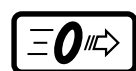


Vertical and short groove design to avoid dynamic hydroplaning

Direct and continuous central landing make rolling smooth and comfortable



Dry Grip



Rolling



Handling



Mileage



Comfort



Drainage

MT - 422

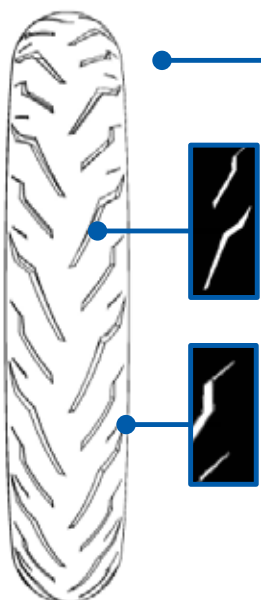
Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	80/90-14	40	P	TL	DC / LL	1.85
					TC / LL	
	90/90-14	46	P		DC / LL	2.15
					TC / LL	
	100/80-14	48	P		DC / LL / SR-T1	2.50
					TC / LL / SR-T1	
17"	90/90-17	49	P		DC / LL	2.15
					TC / LL	
	70/80-17	35	P		DC / LL	1.60
					TC / LL	
	90/80-17	46	P		DC / LL	2.15
					TC / LL	
	90/90-17	49	P		DC / LL	2.15
					TC / LL	
	110/80-17	57	P		DC / LL / SR-T1	2.50
					TC / LL / SR-T1	

SWALLOW ZEUS

Sport style design with more smooth rolling and good cornering performance

Dual angle grooves. First stage, sharp angle to drain out quickly and low resistance effect. Second stage, a bit lateral direction, add traction when cornering

Tread sipe, uniform contact area, good for control and corner



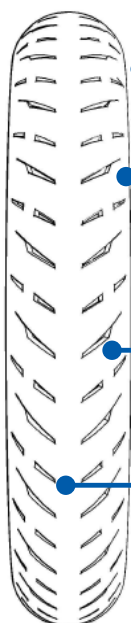
MT - 423



Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	80/90-14	40	P	TL	DC / LL	1.85
	90/90-14	46	P		TC / LL	2.15
17"	80/90-17	44	P		DC / LL	1.85
	90/80-17	46	P		TC / LL	2.15
	120/70-17	58	P		DC / LL / SR-T1	3.50
	130/70-17	62	P		TC / LL / SR-T1	3.50
					DC / LL / SR-T1	3.50
					TC / LL / SR-T1	3.50



SWALLOW DEVIL EYE



Sport style design with high grip and traction performance

Devil eyes design, provide excellent grip on the dry condition, the eyes also can storage a little water, but it's totally dry and sport style

Groove + sipe, special combo for steering, it is a balanced design of the tread, drain water out and contact ground with traction

Central landing makes rolling smoothly



Dry Grip



Rolling



Handling



Mileage



Comfort



Drainage

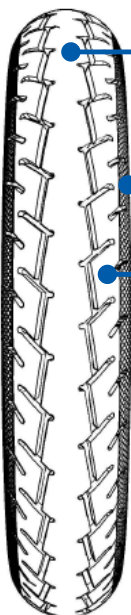
MT - 424

Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
17"	80/90-17	44	P	TL	DC	1.85
	70/80-17	35	P		TC	
	90/80-17	46	P		DC	1.60
	120/70-17	58	P		TC	
	130/70-17	62	P		DC	2.15
					TC	
					DC / SR-T1	3.50
					TC / SR-T1	
					DC / SR-T1	3.50
					TC / SR-T1	



SWALLOW

BULKY RHINO R



Wider and smooth center tread, good comfort and durability

Web grain design for anti-skid on shoulder

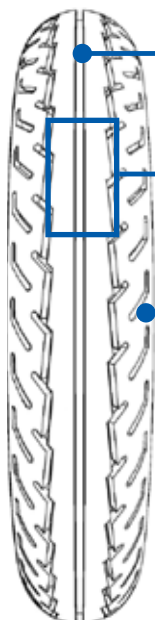
Short grooves arrangement for rear wheel condition, steady riding performance, like comfort and grip

MT - 425



Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
17"	70/90-17	38	P	TL	DC / LL	1.60
					TC / LL	
	80/90-17	44	P		DC / LL	1.85
					TC / LL	
	90/90-17	49	P		DC / LL	2.15
					TC / LL	
18"	90/90-18	51	P	TL	DC / LL	2.15
					TC / LL	
	90/90-18 Reinf.	57	P	TT	DC / LL / SR-T1	2.15
	100/90-18	56	P	TL	DC / LL / SR-T1 TC / LL / SR-T1	2.50

SWALLOW BULKY RHINO F



Center straight groove, easy to drain out rain or dirt

Wider and smooth lane area, good for rolling and comfort

Short and dense grooves, balanced comfort, grip and drain performance

Close shoulder design for good cornering



Dry Grip



Rolling



Handling



Mileage



Comfort



Drainage

MT - 426

Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
17"	70/90-17	38	P	TL	DC	1.60
					TC	
	80/90-17	44	P		DC	1.85
					TC	
	90/90-17	49	P		DC	2.15
					TC	
18"	2.75-18 Reinf.	48	P	TT	DC / LL	1.85
					DC	1.85
	80/100-18	47	P	TL	DC	2.15
					TC	
	90/90-18	51	P		DC / SR-T1	2.50
					TC / SR-T1	

SWALLOW REGINA



City tattoo style, creation combine with tire performance

Longer curve sipe design to balance in tread wear and get more grip

Center staggered grooves design for leading and draining

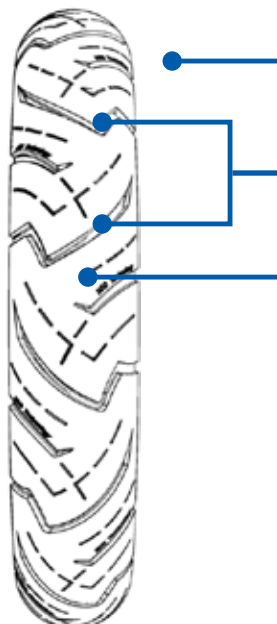
PRO - 01



Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	70/90-14	34	P	TL	DC / LL	1.60
					TC / LL	
	80/90-14	40	P		DC / LL	1.85
					TC / LL	
	90/90-14	46	P		DC / LL	2.15
					TC / LL	



SWALLOW REX



Sport/street style, higher land ratio mixed with lateral grooves

Staggered, V type lateral master grooves both with traction and draining performance

Full tread breakoff sipe balance tread wear and get more grip with ground

PRO - 02



Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	80/80-14	37	P	TL	DC	1.85
					TC	
	90/80-14	43	P		DC	2.15
					TC	
	100/80-14	48	P		DC / SR-T1	2.50
					TC / SR-T1	
17"	80/80-17	41	P		DC	1.85
					TC	
	90/80-17	46	P		DC	2.15
					TC	
	100/80-17	52	S		DC / SR-T1	2.50
					TC / SR-T1	
	110/80-17	57	S		DC / SR-T1	2.50
					TC / SR-T1	

MT 553

10"	3.50-10	59P	TL
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MT 551

10"	3.00-10	50P	TL
	3.50-10	59P	
12"	120/70-12	58S	
	130/70-12	56P	

MT 549

12"	120/70-12	51P	TL
	130/70-12	56P	

MT 546

10"	3.50-10	59P	TL
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MT 542

12"	110/70-12	47J	TL
	120/70-12	51P	

MT 541

10"	3.50-10	51P	TL
	3.50-10	59P	
	90/90-10	55P	
	100/80-10	53L	
	100/90-10	61P	
	110/80-10	63P	
	120/70-10	54P	
	120/90-10	71P	
	130/70-10	59P	
12"	130/90-10	75P	
	110/90-12	69S	
	120/70-12	58S	
	130/70-12	62S	
	140/70-12	65S	

MT 537

10"	100/90-10	56R	TL
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MT 536

10"	120/70-10	48P	TL
11"	110/70-11	45P	
12"	120/70-12	51P	
	130/70-12	56L	

ON-ROAD Urban 10" - 13"

MT 552



13"	120/70-13	59S	TL
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MT 551



13"	130/60-13	60S	TL
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MT 543



13"	120/70-13	59S	TL
	130/60-13	60K	
	130/70-13	57P	

MT 411



10"	3.50-10	51J	TL
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MT 405



10"	3.00-10	42P	TL
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MT 355



10"	100/90-10	63P	TL
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MT 541

13"	120/70-13	59S	TL
	130/60-13	60S	
	140/60-13	63S	
	150/70-13	70S	
14"	120/70-14	61S	
	120/80-14	64S	
	140/60-14	64S	
	140/70-14	68S	
	150/70-14	72S	

MT 405

14"	80/90-14	40P	TL
	90/90-14	46P	
	100/90-14	51P	

MT 396

14"	70/90-14	34P	TT
	80/90-14	40P	

MT 395

14"	70/90-14	34P	TT/TL
	80/90-14	40P	
	90/90-14	46P	TT

MT 384

14"	80/90-14	40P	TL
	90/90-14	46P	

MT 355

13"	110/70-13	48P	TL
	130/70-13	57P	
14"	70/90-14	34P	TT/TL
	80/90-14	40P	
	90/80-14	43P	
	90/90-14	52P	
	90/90-14	46P	
	100/80-14	48P	TL
	120/70-14	55P	

ST 018

14"	70/90-14	34P	TT
	80/90-14	40P	

ST 014

14"	70/90-14	34P	TT
	80/90-14	40P	

ON-ROAD Urban 14" - 17"

MT 405



16"	80/90-16	43P	TL
	90/90-16	48P	
17"	70/90-17	38P	
	80/80-17	41P	
	80/90-17	44P	
	90/80-17	46P	
	90/90-17	49P	

MT 370



16"	110/90-16	59P	TL
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MT 355



16"	70/90-16	42P	TL
	80/90-16	48P	
	90/90-16	55P	
	100/80-16	56P	
	120/80-16	66P	
17"	2.50-17	38P	TT
	2.75-17	41P	
	60/80-17	27P	
	70/80-17	35P	
	80/90-17	44P	TL

MT 354



16"	120/90-16	63P	TL
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MT 351



16"	110/90-16	59P	TL
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ST 013



14"	90/80-14	43P	TL
	100/80-14	48P	
	110/80-14	53P	

ST 012



14"	80/80-14	37P	TL
	90/80-14	43P	
	100/80-14	48P	
	110/80-14	53P	

ST 011



14"	90/80-14	43P	TL
	100/80-14	38P	

MT 394


17"	2.50-17	38L	TT
	2.75-17	41P	

MT 393


17"	2.50-17	38L	TT
	2.75-17	47P	
	3.00-17	45P	

MT 386


17"	2.50-17	38L	TT
	2.75-17	41P	

MT 384


17"	2.00-17	27P	TT
	2.25-17	33L	
	2.50-17	38L	
	2.75-17	41P	
	3.00-17	45P	
	45/90-17	16P	TT/TL
	60/90-17	30P	
	70/90-17	38P	
	80/90-17	44P	TL
	100/70-17	49P	
	110/70-17	54P	

MT 367


17"	2.75-17	41P	TT/TL
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MT 310


17"	2.25-17	33L	TT
	2.50-17	38L	

ST 019


17"	70/90-17	38P	TL
	80/90-17	44P	

ST 018


17"	70/90-17	38P	TT
	80/90-17	44P	

ON-ROAD Urban 17"

ST 017



17"	60/90-17	30P	TT
	70/90-17	38P	
	80/90-17	44P	

ST 016



17"	60/90-17	30P	TT
	70/90-17	38P	

ST 015



17"	70/90-17	38P	TT
	80/90-17	44P	

ST 013



17"	2.50-17	38L	TT
	2.75-17	41P	

ST 012



17"	2.50-17	38L	TT
	2.75-17	41P	

ST 009



17"	2.50-17	38L	TT
	2.75-17	41P	

ST 008



17"	2.50-17	38L	TT
	2.75-17	41P	

ST 007



17"	2.25-17	33L	TT
	2.50-17	38L	
	2.75-17	41P	

ST 003



17"	70/80-17	35P	TT/TL
	70/90-17	38P	TL
	80/80-17	41P	TT/TL
	80/90-17	44P	

MT 405



18"	80/80-18	42P	TL
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MT 385



18"	80/90-18	45P	TT
	90/90-18	51P	

MT 384



18"	2.50-18	40L	TT
	2.75-18	42P	
	3.00-18	47P	

MT 372



18"	90/90-18	51P	TT/TL
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MT 356



18"	90/90-18	51P	TL
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MT 350



18"	90/90-18	51P	TT/TL
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MT 339



18"	2.75-18	42P	TL
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MT 338



18"	3.00-18	47P	TT
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MT 337



18"	2.75-18	42P	TT
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ON-ROAD Urban 18" - 19"

MT 332



18"	2.50-18	40L	TT
	2.75-18	42P	

MT 328



18"	100/90-18	56P	TL
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MT 317



18"	2.75-18	42P	TT
19"	3.25-19	54P	
	3.50-19	57P	

MT 316



18"	2.50-18	40L	TT
	2.75-18	42P	
	2.75-18	48P	

MT 310

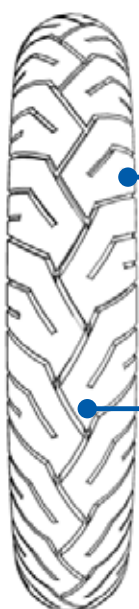


18"	2.50-18	40L	TT
	2.75-18	42P	
	2.75-18	48P	





SWALLOW TRAVELER SE



+



Street style, high land ratio tread design for comfortable and steady contact with ground

Dual angle grooves;
First stage, sharp angle to drain out quickly and low resistance effect;
Second stage, a bit lateral direction, add traction when cornering

Staggered + zigzag groove design, drain out water better than traditional



MT - 427

Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	70/90-14	34	P	TL	DC / LL	1.60
					TC / LL	
	80/90-14	40	P		DC / LL	1.85
					TC / LL	
	90/90-14	46	P		DC / LL	2.15
					TC / LL	
	80/80-14	37	P		DC / LL	1.85
					TC / LL	
17"	90/80-14	43	P		DC / LL	2.15
					TC / LL	
	100/80-14	48	P		DC / LL / SR-T1	2.50
					TC / LL / SR-T1	
	90/90-17	49	P		DC / LL	2.15
					TC / LL	
	70/80-17	35	P		DC / LL	1.60
					TC / LL	
	80/80-17	41	P		DC / LL	1.85
					TC / LL	
	90/80-17	46	P		DC / LL	2.15
					TC / LL	
	100/80-17	52	P		DC / LL / SR-T1	2.50
					TC / LL / SR-T1	

MT 410



16"	110/90-16	59P	TL
17"	100/90-17	55P	
	120/90-17	64P	
	140/60-17	63P	
	140/90-17	72P	

MT 406R



14"	80/100-14	49P	TT
17"	90/90-17	49P	TL
	110/80-17	57P	
	130/70-17	62P	
18"	90/90-18	51P	TT
	100/90-18	56P	TL
	100/90-18	62P	
	110/90-18	61P	

MT 406F



17"	60/100-17	33P	TT
18"	2.75-18	42P	
	2.75-18	48P	
	80/90-18	45P	

MT 403



18"	90/90-18	51P	TT/TL
	100/90-18	56P	

MT 399



18"	3.00-18	47P	TT/TL
	90/90-18	51P	TL

MT 397



14"	70/90-14	34P	TL
	80/90-14	46P	
	90/90-14	52P	
17"	110/80-17	57P	
	130/70-17	62P	

MT 357



15"	130/90-15	66P	TL
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ON / OFF

- Trail

SWALLOW ROCK HULK



MT - 428



Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	80/90-14	40	P	TT	DC / LL	1.85
	90/90-14	46	P		DC / LL	2.15
17"	80/90-17	44	P		DC / LL	1.85
	90/90-17	49	P		DC / LL	2.15
18"	90/90-18	51	P		DC / LL	2.15
	100/90-18	56	P		DC / LL / SR-T1	2.50

SWALLOW TERRA

Center straight groove, easy to drain out rain or dirt

Smooth lane area, good for rolling and comfort, the sipe design to balance tread and get more grip from contact area

Polygonal knob arrangement, good traction performance on loose and dirt condition

❖ All terrain design



MT - 429

Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
13"	110/70-13	48	P	TL	DC / LL	3.00
	130/70-13	57	P		TC / LL	3.50
14"	80/90-14	40	P	TT	DC / LL	1.85
	80/100-14	49	P		DC / LL	1.85
	90/90-14	46	P		DC / LL	2.15
	100/80-14	48	P		DC / LL / SR-T1	2.50
	110/80-14	53	P		DC / LL / SR-T1	2.50
17"	60/100-17	33	P	TT	DC / LL	1.4
	80/90-17	44	P		DC / LL	1.85
	90/80-17	46	P		DC / LL	2.15
	90/90-17	49	P		DC / LL	2.15
	100/80-17	52	P		DC / LL / SR-T1	2.50
18"	90/90-18	51	P	TT	DC / LL	2.15
	100/90-18	56	P		DC / LL / SR-T1	2.50



SWALLOW TURIS

Trail style - turtleback knob design for on/off terrain

Dual area design, closer knobs on center tread, more contact get more traction with ground. For outside of tread, gradual widen grooves design is good for draining dirt and rain

PRO - 03



Inch	Size	Load Index	Speed Symbol	TT/TL	Tech	Rim Width
14"	80/80-14	37	P	TL	DC / LL	1.85
					TC / LL	
	90/80-14	43	P		DC / LL	2.15
					TC / LL	
	110/80-14	53	P		DC / LL / SR-T1	2.5
					TC / LL / SR-T1	

MT 540

10"	3.50-10	59P	TL
	90/90-10	55P	
	100/80-10	53L	
	100/80-10	53P	
	100/90-10	61P	
	110/80-10	63P	
	120/70-10	54P	
	120/90-10	71P	
	130/70-10	62P	
	130/90-10	75P	
12"	90/90-12	54P	
	120/70-12	58S	
	130/70-12	62S	
	140/70-12	65S	
13"	120/70-13	59S	
	130/60-13	53P	
	130/60-13	60S	
	140/60-13	63S	
	150/70-13	70S	
14"	120/70-14	61S	
	120/80-14	58P	
	140/60-14	64P	
	140/70-14	68S	
	150/70-14	66P	

MT 539

10"	90/90-10	50L	TL
	100/80-10	53J	
	100/90-10	56L	
	110/80-10	58P	
	120/70-10	54P	
	120/90-10	66L	
	130/70-10	52J	
	130/90-10	61L	
	120/70-12	51P	
12"	120/80-12	65L	
	130/70-12	56L	
	130/80-12	69L	
	140/70-12	60L	
13"	110/90-13	56P	
	130/60-13	53L	
	130/70-13	63P	
	140/60-13	57L	

MT 538

13"	120/70-13	51P	TL
	130/70-13	57P	

MT 522

10"	3.50-10	51P	TT
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MT 404

10"	3.50-10	51P	TL
-----	---------	-----	----

ON / OFF Trail 10" - 16"

MT 401



16"	2.50-16	41L	TT
-----	---------	-----	----

MT 400



10"	3.50-10	51P	TT
-----	---------	-----	----

MT 361



16"	3.00-16	43P	TL
	3.25-16	48P	TT

MT 360



16"	2.75-16	40P	TL
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MT 324



16"	3.00-16	42P	TT
-----	---------	-----	----

MT 247



10"	3.50-10	51P	TL
	90/90-10	50P	
	100/80-10	53P	
	100/90-10	56J	
	100/90-10	56P	
12"	120/70-12	51P	TL
	130/70-12	56P	
13"	130/60-13	53P	TT

MT 243



10"	3.00-10	50J	TT/TL
	3.50-10	59J	
12"	3.00-12	47P	TT

MT 412



17"	2.75-17	41P	TT/TL
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MT 408



16"	110/90-16	59P	TL
17"	110/90-17	60P	TT
	120/90-17	64P	

MT 388



17"	2.75-17	41P	TL
	100/90-17	55P	TL
	100/90-17	61P	TT
	120/80-17	61P	TT
	120/90-17	64P	

MT 387



17"	2.50-17	38P	TT/TL
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MT 378



17"	2.50-17	38P	TL
	2.75-17	41P	TT
	2.75-17	47P	TL

MT 321



16"	3.25-16	48P	TT
	3.25-16	55P	
17"	3.00-17	45P	
	3.00-17	50P	
	3.25-17	50P	

MT 315



16"	3.00-16	42P	TT
17"	3.00-17	45P	

ST 005



17"	70/90-17	38P	TT
	80/90-17	44P	

ON / OFF Trail 17" - 18"

MT 408



18"	90/90-18	51P	TT/TL
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MT 388



18"	100/90-18	56P	TT/TL
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MT 333



18"	3.00-18	47P	TT
-----	---------	-----	----

MT 330



18"	2.75-18	42P	TT
	2.75-18	48P	
	3.00-18	47P	TT/TL

MT 325



18"	3.60-18	51P	TT/TL
	3.60-18	57P	

MT 324



18"	3.00-18	47P	TT
	3.00-18	52P	
	3.50-18	56P	

MT 315



18"	3.00-18	47P	TT
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MT 314



17"	2.75-17	47P	TT
18"	2.75-18	42P	

MT 313



17"	2.25-17	33L	TT
	2.50-17	38L	
18"	2.50-18	40L	

MT 407

19"	90/90-19	52P	TT
21"	90/90-21	54P	

MT 391

18"	4.10-18	60P	TT
21"	2.75-21	45N	







OFF-ROAD

- Enduro
- Motocross

OFF-ROAD Enduro

MT 409



17"	3.00-17	45P	TT
	3.50-17	54P	
18"	3.00-18	47P	
	4.10-18	60P	
	90/90-18	51P	TL
21"	3.00-21	51P	TT

MT 398



17"	3.00-17	45P	TT
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MT 349



18"	4.10-18	60P	TT
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MT 348



18"	2.75-18	42P	TT
	3.00-18	47P	
	3.25-18	52P	
	3.50-18	56P	

MT 341



16"	3.00-16	48P	TT
	110/90-16	59P	TL
17"	2.50-17	38L	TT
	2.75-17	41P	
	3.00-17	45P	
18"	2.50-18	40L	
	2.75-18	42P	
	3.00-18	47P	
	3.25-18	52P	
	3.50-18	56P	
	4.00-18	64P	
19"	2.75-19	43P	
21"	2.75-21	45P	
	3.00-21	51P	

MT 345



17"	2.75-17	41P	TT
21"	3.00-21	51P	

MT 344



14"	80/100-14	49P	TT
17"	60/100-17	33P	
	110/90-17	60P	
18"	2.50-18	40L	
	2.75-18	42P	
	3.00-18	47P	
	3.00-18	52P	
	3.50-18	56P	
	4.10-18	60P	
	4.60-18	63P	
	90/90-18	51P	
21"	90/90-21	54P	

MT 343



17"	2.75-17	41P	TT
18"	3.50-18	56P	
	4.10-18	60P	
21"	3.00-21	51P	
	3.50-21	58P	

MT 340



17"	2.50-17	38L	TT
18"	2.50-18	40L	



A vintage moped is leaning against a concrete pillar in a park. The moped has a blue body, a brown fender, and a silver front fork. The background is filled with trees with yellow and orange autumn leaves. A semi-transparent blue banner with the text "MOPED & OTHERS" is overlaid on the image.

MOPED & OTHERS

MOPED & OTHERS

MT 245



16"	2 1/4 -16	TT
17"	2 1/4 -17	

MT 242



17"	2 3/4 -17	TT
-----	-----------	----

MT 241



16"	2 -16	TT
	2 1/4 -16	
	2 1/2 -16	
	2 3/4 -16	
17"	2 -17	TT
	2 1/4 -17	

MT 231



16"	2 -16	TT
	2 1/4 -16	
17"	2 -17	
19"	2 -19	
	2 1/4 -19	

MT 522



8"	3.50-8	46P	TT
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MT 466



8"	3.50-8	55P	TT
----	--------	-----	----

MT 442



7"	3.50-7	TT
----	--------	----

MT 437



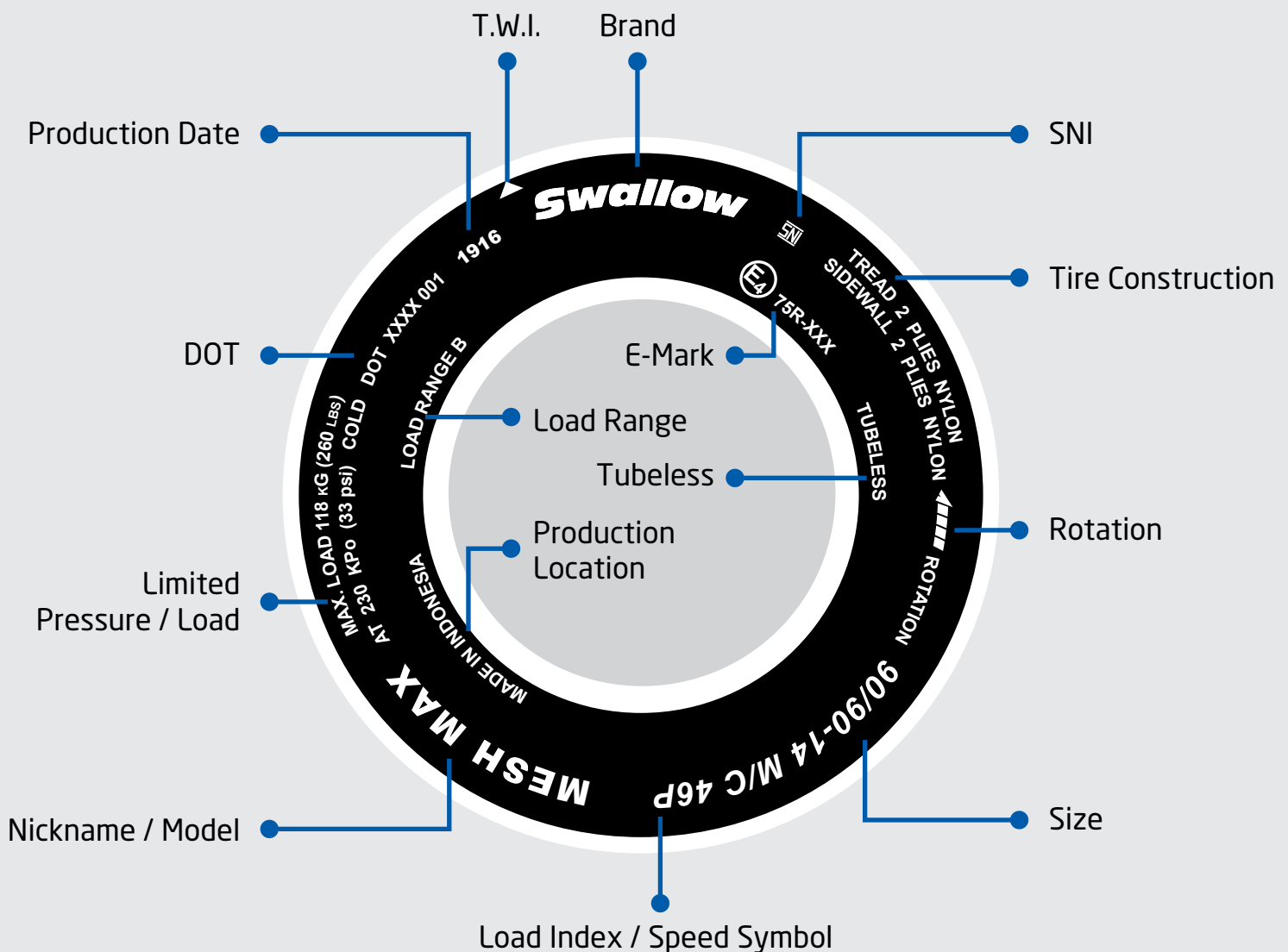
7"	4.00-7	TT
----	--------	----

MT 430



8"	4.00-8	55P	TT
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1. How to read the tire ?



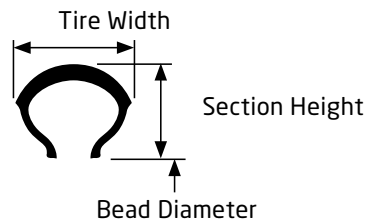
Dr. Tire's Lessons

■ **BRAND** : Tire brand / manufacturer

■ **NICKNAME / MODEL** : Special tire have exclusive name

■ **SIZE** : $\frac{90}{\text{Tire width}} / \frac{90}{\text{*Aspect ratio}} - \frac{14}{\text{Rim size}}$

* Aspect ratio = (Tire width / Section height) X 100%



■ **LOAD INDEX / SPEED SYMBOL** :

46 P

Load index :

46 = 375 lbs. (170 kg)

Speed symbol :

P = 93 mph (150 km/h)

■ **PRODUCTION DATE** : To show when the tire was made

19 16

Weeks :

the 19th week

Year :

2016

■ **PRODUCTION LOCATION** : The location of manufacturer

■ **T.W.I.** : Tread Wear Indicators, it indicates the location of the raised wear bars in between the tire tread channels (sign for replacement)

■ **ROTATION** : Tire rotate direction

■ **TUBELESS** : Pneumatic tires that do not require a separate inner tube

■ **DOT** : Department of Transportation, all tires for use in the USA have this code. It specifies the company, factory, mold, batch, and date of production

■ **SNI** : Indonesian National Standard, is applied nationally in Indonesia

■ **E-MARK** : European Union safety certification

■ **TIRE CONSTRUCTION AND MATERIAL** : Tire ply composition and materials used

■ **LIMITED PRESSURE / LOAD** : Max. permissible inflation pressure

■ **LOAD RANGE** : Max. load and pressure standard from ETRTO and JATMA

Load Range	B	C	D	E
Ply Rating (PR)	4	6	8	10
Max. Load Pressure	35 PSI (240 kPa)	50 PSI (350 kPa)	65 PSI (450 kPa)	80 PSI (550 kPa)

<Table - 1>

■ SPEED SYMBOL

Speed Symbol	F	G	J	K	L	M	N	P	Q
Km/h	80	90	100	110	120	130	140	150	160
mph	50	56	62	68	75	81	87	93	99
Speed Symbol	R	S	T	U	H	V	W	Y	ZR
Km/h	170	180	190	200	210	240	270	300	240~
mph	106	112	118	124	130	149	168	186	150~

<Table - 2>

■ LOAD INDEX

Load Index	25	26	27	28	29	30	31	32	33	34
Kg	93	95	98	100	103	106	109	112	115	118
Lbs	204	209	215	220	227	234	240	247	254	260
Load Index	35	36	37	38	39	40	41	42	43	44
Kg	121	125	128	132	136	140	145	150	155	160
Lbs	267	278	282	291	300	309	320	331	342	353
Load Index	45	46	47	48	49	50	51	52	53	54
Kg	165	170	175	180	185	190	195	200	206	212
Lbs	364	375	386	397	408	419	430	441	454	467
Load Index	55	56	57	58	59	60	61	62	63	64
Kg	218	224	230	236	243	250	257	265	272	280
Lbs	481	494	507	520	536	551	567	584	600	617
Load Index	65	66	67	68	69	70	71	72	73	74
Kg	290	300	307	315	325	335	345	355	365	375
Lbs	639	661	677	694	716	736	761	783	805	827
Load Index	75	76	77	78	79	80	81	82	83	84
Kg	387	400	412	425	437	450	462	475	487	500
Lbs	853	882	908	937	963	992	1019	1047	1074	1102

<Table - 3>

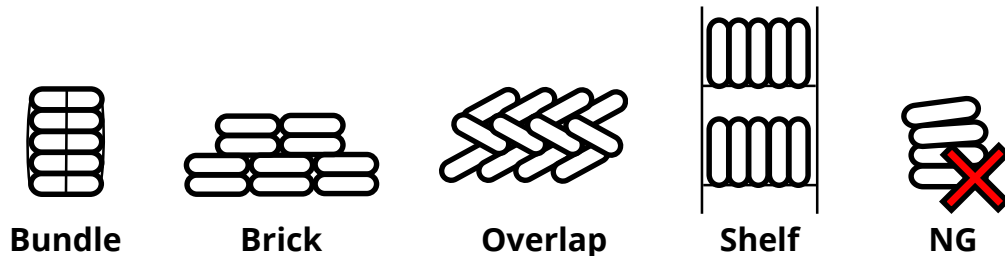
2. How to choose the right tires ?

- 1. CONDITION :** According to road conditions and your life style; Swallow production provide various series - Urban / Touring / Trail / Enduro / Motocross ... and more. Just be ready for your ride.
- 2. APPEARANCE :** A good tire should have a good look.
 - (1) Glossy black surface means good quality rubber we used.
 - (2) Tread grooves or knobs should be clear and intact, that means good producing and mold quality.
- 3. TOUCH :** Rubber is a elastomer, tires are also made from rubber. Swallow balanced elastic modulus for product to get comfort, good grip and brake, a good quality tire is flexible and elastic.
- 4. SMELL :** Tire smells like rubber, different compositions have different smells. Too much chemicals, such as inhibitor, addictive and impurity make tires smell worse. Go ahead and check your tires, good tires should smell like rubber!

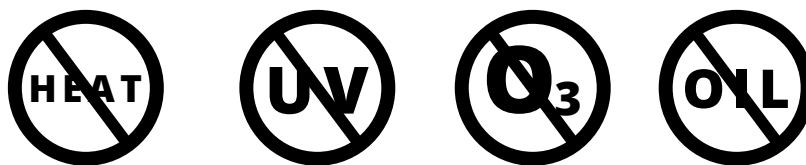


3. How to store tires ?

1. PLACEMENT :



2. PRESERVATION :



Element	HEAT	UV	O ₃	OIL
Effect	Effect rubber appearance, like aging, discolor			Permeate into rubber and construction, effect tire performance deeply
Recommend	Cool and ventilation condition	Avoid light directly, dark condition or package tire	Avoid air directly, suitable for package tire	Avoid contact directly, isolated use

- Recommended storage : indoor / cool / ventilation / dry



4. How to maximize tire life ?

1. Tire pressure

Abnormal pressure will affect tread wear, poor gas mileage and tire performance. We recommend to check your tire pressure at least monthly and before long trips.



2. Check before load

Overload can lead to many problems - uneven and accelerated tread wear, to structural damage and tire failure. Please check the load index on your tire sidewall and our <Table - 3>. Do you need strong tire? Our 'Bulky Rhino (p.13, p.14)' can assist you.

3. Maintain your tire clean

Tire patterns are designed for the performance. Sometimes it's damaged and have stone in the ditch. Check your tire pattern closely after riding, for your own safety and its performance.

4. Driving habits

The more you ride with good driving habits the more you can extend your tire life. For example, a sudden stop can diminish the lifespan of tires. So when approaching a slope or a corner, start decelerating. A good rider takes care of himself and his tires as well.

5. Appearance check

Roads are full of danger. Such as sharp scraps, glass and nails. A nail may not cause a sudden flat tire, but could result in a slow leak of tire pressure or a future flat tire. Need more solution? Please refer to professionals at near store. (Or you can check out our latest product - Ascendo Tire Sealant, a perfect solution for air leak)

TUBE



Size	Weight (g)	TR4	TR13	TR87	PV78A	JS87C	JS87CL
3.00 - 8	190		✓				
3.50 - 8	230		✓	✓		✓	
4.00 - 8	310		✓	✓		✓	
2.50 - 10	210			✓		✓	
2.75 - 10	235			✓		✓	
3.00 - 10	300			✓		✓	✓
3.50 - 10	310			✓		✓	
2.50 - 12	240			✓			
2.75 - 12	270	✓		✓			
2.25 - 14	250	✓					
2.50 - 14	285	✓					
2.75 - 14	310	✓					
3.00 - 14	350	✓					
4.00 - 15	510	✓			✓		
2.00 - 16	230	✓					
2.25 - 16	280	✓					
2.50 - 16	320	✓					
2.75 - 16	350	✓					
3.00 - 16	435	✓					
3.25 - 16	465	✓					
3.50 - 16	560	✓					
2.00 - 17	240	✓					



Size	Weight (g)	TR4	TR13	TR87	PV78A	JS87C	JS87CL
2.25 - 17	320	✓					
2.50 - 17	350	✓					
2.75 - 17	370	✓					
3.00 - 17	450	✓					
3.25 - 17	495	✓					
3.50 - 17	570	✓					
4.00 - 17	600	✓					
2.00 - 18	260	✓					
2.25 - 18	335	✓					
2.50 - 18	370	✓					
2.75 - 18	390	✓					
3.00 - 18	480	✓					
3.25 - 18	530	✓					
3.50 - 18	600	✓					
4.00 - 18	620	✓	✓				
4.50 - 18	735	✓	✓				
2.00 - 19	280	✓					
2.25 - 19	340	✓					
2.50 - 19	385	✓					
2.75 - 19	420	✓					
2.50 - 21	420	✓					
2.75 - 21	450	✓					



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