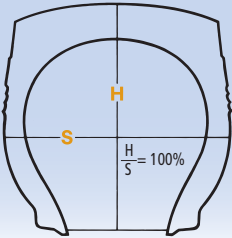


# MICHELIN® EARTHMOVER AND MATERIAL HANDLING TIRE RANGE

## 1 The aspect ratio classifies 3 major tire families.

### 100 series (standard)

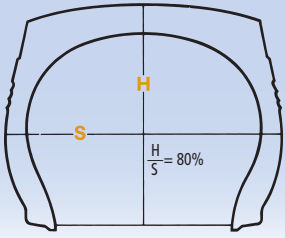
The H/S ratio is approximately equal to 1.



The nominal section width is expressed in inches with two decimal places.  
Example: 18.00R33  
Tires for rigid trucks, handling equipment, etc.

### 80 series

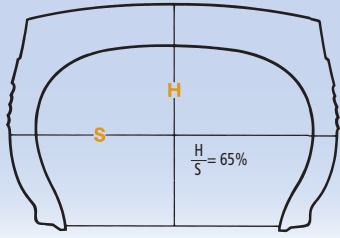
The H/S ratio is approximately equal to 0.80.



The nominal section width is expressed in inches or fractions of an inch.  
Examples: 8.25R15, 20.5R25  
or  
Examples: 59/80R63  
Tires for rigid trucks, articulated dumpers, loaders, handling equipment, etc.

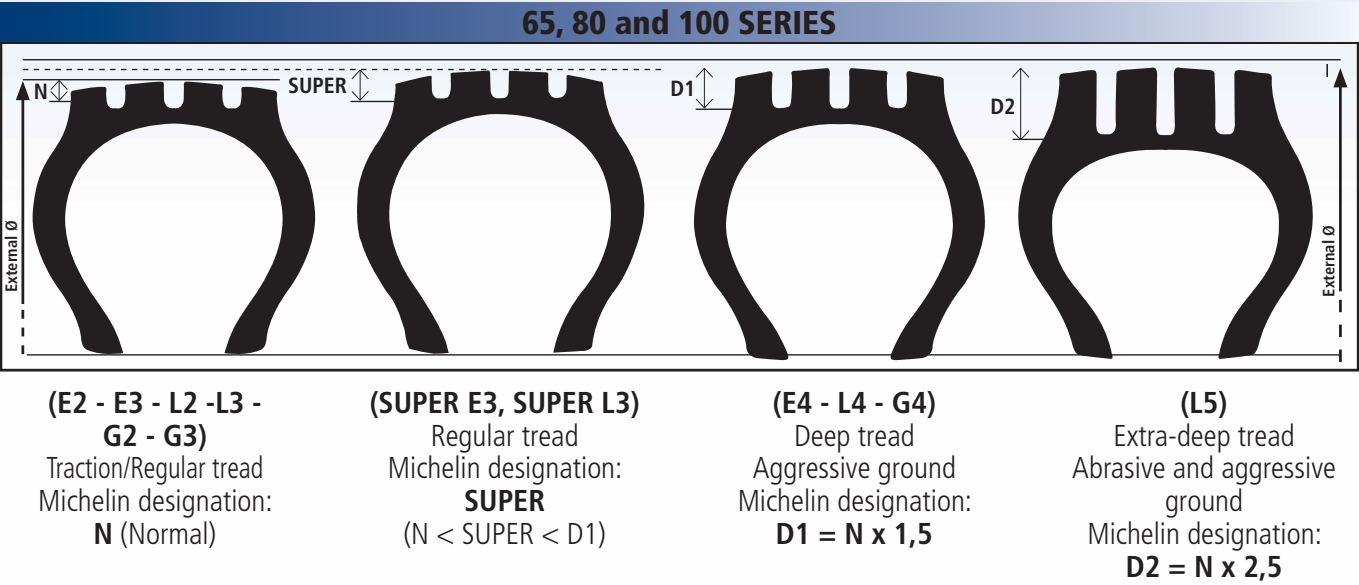
### 65 series

The H/S ratio is approximately equal to 0.65.



The nominal section width is expressed in inches or in millimeters, followed by the number 65.  
Examples: 35/65R33, 750/65R25  
Tires for large loaders, articulated trucks, etc.

## 2 Different tread depths



## 3 Several types of construction

### Type A4:

Particularly resistant to cuts, tread tearing and abrasion on very rough surfaces.

### Type A:

Particularly resistant to cuts, tread tearing and abrasion at average speeds which are higher than those for A4 (above).

### Type MB4:

Compromise solution between abrasion resistance and average speed on rough surfaces (from 49 inches) with a higher wear resistance than the Type B4.

### Type B4:

Compromise solution between abrasion resistance and average speed on rough surfaces.

### Type B:

Higher resistance to internal heat generation on surfaces which are not particularly rough.

### Type MC4:

Adapted to running on long cycles at high speeds on well-maintained roads with a higher wear resistance than the Type C4.

### Type C4:

Adapted to running on long cycles at high speeds on well-maintained roads.

### Type C:

Very high resistance to high average speeds on long cycles run on well-maintained roads.

**minimum TKPH (TMPH)**

**low TKPH (TMPH)**

**moderate TKPH (TMPH)**

**moderate TKPH (TMPH)**

**average TKPH (TMPH)**

**high TKPH (TMPH)**

**high TKPH (TMPH)**

**very high TKPH (TMPH)**



**YOUR PRODUCTIVITY DESERVES  
MICHELIN® TIRES**





# MICHELIN® EARTHMOVER SIZE CHART

LOADER/GRADER				
	TREAD DESIGN	TRA CODE	TD 32NDS	TD MM
14.00R24	XGLA2™	G2,L2	32	25
	X SNOPLUS®	G2,L2	30	24
16.00R24	XGLA2™	G2,L2	34	27
15.5R25	XTLA™	G2,L2	33	26
	XHA®	L3	33	26
	X MINE® D2	L5	76	60
17.5R25	X SNOPLUS®	G2,L2	35	28
	XTLA™	G2,L2	35	28
	XHA® 2	L3	39	31
	XLD® D2	L5	79	63
	X MINE® D2	L5	82	65
20.5R25	X SNOPLUS®	G2,L2	39	31
	XTLA™	G2,L2	39	31
	XHA® 2	L3	42	33
	XLD® D2	L5	91	72
	X MINE® D2	L5	93	74
550/65R25	XLD® L3	L3	40	32
600/65R25	XLD® L3	L3	43	34
23.5R25	X SNOPLUS®	G2,L2	43	34
	XTLA™	G2,L2	43	34
	XHA® 2	L3	45	36
	XLD® D2	L5	97	77
	X MINE® D2	L5	105	83
650/65R25	XLD® L3	L3	47	37
26.5R25	XHA® 2	L3	52	41
	XTXL®	L4	68	54
	XLD® D2	L5	110	87
	X MINE® D2	L5	115	91
750/65R25	XLD® L3	L3	52	41
775/65R29	XHA® 2	L3	59	47
29.5R25	XHA® 2	L3	54	43
	XTXL®	L4	74	59
	XLD® D2	L5	120	95
	X MINE® D2	L5	126	100
800/65R29	XLD® L3	L3	61	48
875/65R29	XHA® 2	L3	62	49
29.5R29	XLD® D2	L5	120	95
	X MINE® D2	L5	126	100
35/65R33	XRDN™ A	L3	48	38
	XTXL®	L4	76	60
	XLD® D2	L5	122	97
	X MINE® D2	L5	126	100
45/65R39	XLD® D2	L5	145	115
	X MINE® D2	L5	146	116
45/65R45	XLD® D1	L4	90	71
	XLD® D2	L5	145	115
	X MINE® D2	L5	146	116
50/65R51	X MINE® D2 SR	L5	146	116
	X MINE® D2 HR	L5	146	116
55/80R57	X MINE® D2 HR	L5	150	119
	X MINE® D2 SR	L5	150	119
	X MINE® D2 LC	L5	150	119
60/80R57	X MINE® D2 SR	L5	149	118
	X MINE® D2	L5	149	118

ADT/SCRAPER				
	TREAD DESIGN	TRA CODE	TD 32NDS	TD MM
23.5R25	XADN+®	E3	48	38
	X®TRA DEFEND™	E4	72	56
26.5R25	XADN+®	E3	50	40
	X®-SUPER TERRAIN +	E4	67	53
	X®TRA DEFEND™	E4	76	60
29.5R25	XADN+®	E3	55	44
	X®TRA DEFEND™	E4	83	66
650/65R25	XAD™ 65	E3	50	40
750/65R25	XAD™ 65	E3	54	43
	X®TRA DEFEND™	E4	73	58
800/80R29	X®-SUPER TERRAIN +	E4	84	67
875/65R29	XAD™ 65	E3	64	51
	X®TRA DEFEND™	E4	78	62
29.5R29	XTS®	E3	54	43
33.25R29	XTS®	E3	57	45
29.5R35	XTS®	E3	57	45
37.25R35	XTS®	E3	59	47
	XRS™	E4	67	53
40.5/75R39	XMS™	E3	64	51

INDUSTRIAL AND PORT				
	TREAD DESIGN	TRA CODE	TD 32NDS	TD MM
5.00R8	XZM™	—	29	23
150/75R8	XZM™	—	20	16
180/70R8	XZM™	—	24	19
6.00R9	XZM™	—	30	24
	XZR™	—	13	10
200/75R9	XZM™	—	28	22
6.50R10	XZM™	—	34	27
	XZR™	—	14	11
225/75R10	XZM™	—	30	24
7.00R12	XZM™	—	35	28
	XZR™	—	14	11
250/60R12	XZM™	—	33	26
250/75R12	XZM™	—	35	28
7.00R15	XZM™	—	35	28
	XZM™	—	38	30
7.50R15	X® LISSE COMPACTEUR™	C1	11	9
8.25R15	XZM™	—	41	33
225/75R15	XZM™	—	31	25
250/70R15	XZM™	—	35	28
315/70R15	XZM™	—	44	35
355/65R15	XZM™	—	44	35
13/80R20	X® LISSE COMPACTEUR™	C1	15	12
9.00R20	XZM™	—	41	33
10.00R20	XZM™	—	44	35
11.00R20	XZM™	—	48	38
12.00R20	XZM™	—	50	40
280/75R22.5	X-TERMINAL T™	—	39	31
310/80R22.5	X-TERMINAL T™	—	38	30
12.00R24	XZM™	—	50	40
14.00R24	XZM™	—	79	63
15.00R24	X® LISSE COMPACTEUR™	C1	27	21
450/95R25	X-STRADDLE® 2	E3	63	50
16.00R25	XZM™	—	89	71
480/95R25	X-STRADDLE® 2	E3	63	50
18.00R25	XZM™ 2+	—	98	78
	X STACKER® 2	—	91	72
18.00R33	XZM™ 2+	—	98	78

RIGID DUMP TRUCK				
	TREAD DESIGN	TRA CODE	TD 32NDS	TD MM
16.00R25	X QUARRY®	E4	60	48
18.00R25	XHDT™	E4	59	47
18.00R33	XVC™	E2	33	26
	X-HAUL®	E4	62	49
	X-QUARRY® S	E4	78	62
	XDT™	E4	68	54
	X-TRACTION™	E4	78	62
21.00R33	X-HAUL® S	E4	67	53
	X-TRACTION™	E4	89	71
21.00R35	X-QUARRY® S	E4	84	67
	XDT™	E4	77	61
24.00R35	XVC™	E2	38	30
	X®TRA LOAD <sup>PROTECT</sup> ™	E4	88	70
	X®TRA LOAD <sup>GRIP</sup> ™	E4	92	73
27.00R49	XVC™	E2	42	33
	X-TRACTION™ S	E3	58	46
	X-TRACTION™	E4	102	81
	XDR® 2	E4	113	90
33.00R51	XDC®	E3	61	48
	XDT™	E4	110	87
	XDR® 2	E4	119	94
36.00R51	XDC®	E3	72	57
	XDR®	E4	121	96
37.00R57	XDR® 2	E4	129	102
40.00R57	XDC®	E3	79	63
	XDR® 2	E4	124	98
	XDR® 3	E4	124	98
50/80R57	XDR® 250	E4	118	94
50/90R57	XDR®	E4	135	107
	XDR® 3	E4	124	98
53/80R63	XDR® 2	E4	139	110
	XDR® 3	E4	139	110
56/80R63	XDR® S	E3	74	59
	XDR® 2	E4	139	110
59/80R63	XDR®2 S	E3	91	72
	XDR® 2	E4	148	118
	XDR® 3	E4	139	110

CRANE/TRANSPORT				
	TREAD DESIGN	TRA CODE	TD 32NDS	TD MM
385/95R24	X-CRANE AT™	E2	28	22
	XMH™ S	E2	30	24
	X SNOPLUS®	E2	30	24
385/95R25	X-CRANE +™	E2	29	23
	XMH™ S	E2	30	24
	X SNOPLUS®	E2	32	25
14.00R25	XHD1™	E4	48	38
445/80R25	XGC®	E2	35	28
445/95R25	X-CRANE +™	E2	31	25
525/80R25	X-CRANE +™	E2	35	28
16.00R25	XHD1™	E4	54	43

UNDERGROUND				
	TREAD DESIGN	TRA CODE	TD 32NDS	TD MM
7.50R15	X MINE® D2	L5	58	46
8.25R15	X MINE® D2	L5	61	48
10.00R15	X MINE® D2	L5	61	48
14.5R15	X MINE® D2	L5	61	48
350/65R15	X MINE® D2	L5	45	36
400/80R15	X MINE® D2	L5	43	34
9.00R20	X MINE® D2	L5	64	51
12.00 R20	X MINE® D2	L5	72	57
14.00R20	X MINE® D2	L5	61	48
450/70R20	X MINE® D2	L5	47	37
12.00R24	X MINE® D2	L5	72	57
	XSM® D2+	L5S	72	57
	XK® A	E3	27	21
14.00R24	XSM® D2+	L5S	73	58
	XK® A	E3	30	24
	XKD1® A	E4	47	37
15.5R25	X MINE® D2	L5	76	60
17.5R25	X MINE® D2	L5	82	65
	XSM® D2+	L5S	98	78
18.00R25	X MINE® D2	L5	103	82
	XSM® D2+	L5S	121	96
	XSM® D2+ LC	L5S	97	77
	XKD1® A	E4	59	47
	X MINE® D2	L5	93	74
20.5R25	X MINE® D2	L5	93	74
21.00R25	XK® A	L3	42	33
23.5R25	X MINE® D2	L5	105	83
26.5R25	XSM® DN+	L3S	55	44
	XTXL®	E4,L4	68	54
	X MINE® D2	L5	115	91
	XSM® D2+	L5S	129	102
29.5R25	XTXL®	E4,L4	74	59
	X MINE® D2	L5	126	100
26.5R29	XSM® DN+	L3S	55	44
29.5R29	XTXL®	E4	79	63
	X MINE® D2	L5	126	100
	XSM® D2+	L5S	126	100
	XSM® DN+	L3S	62	49
35/65R33	XTXL®	E4,L4	76	60
	X MINE® D2	L5	117	93
	XSM® D2+	L5S	122	97





## LOADER/GRADER



**G2**  
A tire for small graders requiring traction and grip.



**L2**  
An all-weather tire with siped tread blocks providing excellent traction on snow and ice.



**L2**  
A tire for small and medium sized loaders requiring a high level of traction on yielding surfaces.



**L3**  
The versatile MICHELIN® L3 Radial tire designed for loaders, graders and other equipment used in construction, stockpile and truck-loading applications.



**L3**  
The reference for more productivity, more safety, more comfort and still better for the environment.



**L3**  
The low profile tire designed for loaders and graders that offers increased ground contact for optimized traction with extra stability and operator comfort.



**L3**  
The MICHELIN® Radial tire designed to deliver extra protection and a high level of performance on wheel loaders.



**L4**  
A robust tire with high load capacity and durability, for improved productivity and safety for underground transport machines.



**L4**  
The directional MICHELIN® L4 Radial tire for wheel loaders in a load and carry application designed to provide high levels of stability and protection with a cushioned ride for operator comfort.



**L5**  
The directional MICHELIN® L5 Radial tire for wheel loaders designed to provide high levels of traction, protection, and stability with a cushioned ride for operator comfort.



**L5**  
A tire with sturdy tread band ideal for very severe conditions in mining and quarrying.

## ADT/SCRAPER



**E3**  
A self-cleaning traction tire offering maximum grip on soft and muddy ground.



**E3**  
Wide base tire offering improved traction and flotation in the most extreme working conditions.



**E4**  
Tire which provides greater overall robustness in the most grueling conditions while reducing your hourly cost price.



**E4**  
The new MICHELIN® E4 Radial tire designed for articulated dump trucks that work in the most demanding and severe conditions.



**E3**  
Scraper tire operating on sites requiring high levels of traction.



**E4**  
A scraper tire with massive tread pattern, providing excellent damage resistance and durability.



**E3**  
A scraper tire with deep and well-grooved tread band ensuring good grip and damage resistance.

## CRANE/TRANSPORT



**E2**  
The non-directional MICHELIN® Radial tire designed to deliver exceptional operator comfort and durability in high-speed and demanding on- and off-road applications.



**E2**  
Multi-axle, highway and all-terrain crane tire. Provides comfort at high speed<sup>1</sup> along with exceptionally low wear rates and long life.



**E2**  
The non-directional MICHELIN® Radial tire designed to deliver exceptional operator comfort and durability in high-speed and demanding on- and off-road crane applications.



**E4**  
The MICHELIN® E4 Radial tire designed for transport applications.



**E2**  
Tire more particularly intended for transport over long distances with high levels of average speed.



**E2**  
An all-weather tire with siped tread blocks offering excellent traction on snow and ice.

## RIGID DUMP TRUCKS



**E4**  
A tire for use in surface mines or quarrying work.



**E2**  
A MICHELIN® Earthmover tire designed for use at high speeds<sup>1</sup> and on long cycles on made-up tracks.

<sup>1</sup>Exceeding the safe, legal speed limit is neither recommended nor endorsed.



**E4**  
The versatile MICHELIN® E4 Radial tire for haul trucks operating at moderate speeds to provide excellent protection and long wear in harsh conditions.



**E4**  
An exceptional long-lasting quarry tire designed specifically for short cycles on highly abrasive quarry surfaces.



**E4**  
A traction tire characterized by a deep tread pattern allowing exceptional traction.



**E4**  
The new MICHELIN® E4 Radial tire designed for haul trucks working in demanding quarry environments. Provides high load-carrying capacity and excellent protection.



**E4**  
The new MICHELIN® E4 Radial tire designed for haul trucks to provide excellent traction and high load-carrying capacity in the most severe quarry conditions.



**E3/E4**  
Tires for bottom dump and rigid dump trucks where good traction is required on short cycles (X-TRACTION™) or on long cycles (X-TRACTION™ S).



**E3/E4**  
The long-lasting, non-directional MICHELIN® tire provides increased durability while improving productivity, which can positively impact your bottom line.



**E4**  
The new MICHELIN® E4 tire for haul trucks with long-lasting innovations designed to maximize tire life.



**E4**  
The most productive E4 tire dedicated to 250T class trucks, robust with exceptional load capacity and tire life TKPH.



**E3/E4**  
The MICHELIN® Radial E4 tire for haul trucks designed to deliver long life, maximum protection and excellent traction in the most severe mine and quarry conditions.



**E3**  
Tire for rigid dump trucks working on sites where high speed<sup>2</sup> is required.

<sup>2</sup>Exceeding the safe, legal speed limit is neither recommended nor endorsed.

## UNDERGROUND



**L5**  
A tire with sturdy tread band, ideal for very severe operating conditions in mines.



**L5S**  
Tire designed to work in extreme conditions. Available with a new long cycle (LC) solution.



**L5S**  
A Long Cycle tire that moves faster and longer<sup>4</sup>.

<sup>4</sup>Internal comparison vs. MICHELIN® XSM® D2.



**L3S**  
The MICHELIN® L3S Radial tire designed to deliver a customized balance of load, speed and protection in unique underground mining conditions.

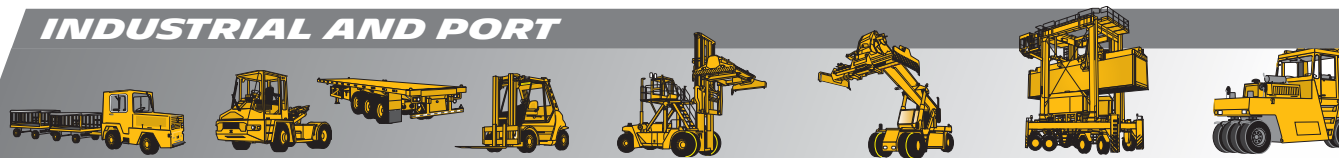


**E4**  
A robust tire with high load capacity and durability, for improved productivity and safety for underground transport machines.



**E3/L3**  
Tire with reinforced pattern, used in mines and abrasive ground.

## INDUSTRIAL AND PORT



This tire is developed for handling machines that travel up to 15 km (9.3 mph) in an hour at max speeds up to 35 km/h (22 mph), running over aggressive and abrasive surfaces.



This tire is designed for high payload machines working in ports, intermodal centers and logging activities.



The solution for airport ground support equipment with an exceptional Total Cost of Ownership. This tire is designed for more speed, comfort robustness and longevity.



**E3**  
Tire specifically designed for straddle carriers, with exceptional profitability and productivity.



Smooth tire specifically designed for reach stackers and top loaders traveling in cycles over very short distances and aggressive surfaces.



Tire specifically designed for terminal tractors and trailers. Exceptionally long service life. This multi-purpose tire can be fitted on all axles.



**C1**  
Tire for compacting bitumen/hot asphalt. Minimizes the risk of the material sticking to the tread.