












TRA Classification of OFF-THE-ROAD TIRES

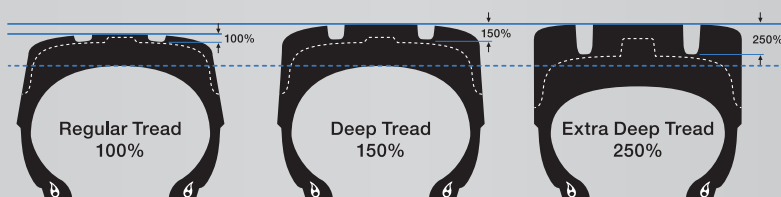
TRA Code

YOKOHAMA OFF-THE-ROAD TIRES are classified as follows by the Tire and Rim Association (TRA).

E		Earthmover
G		Grader
L		Loader & Dozer
C		Compactor
Mobile Crane		Mobile Crane
IND		Industrial


















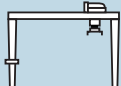
E-3

Tread Pattern		Tread Thickness	Tread Depth Index
1	Rib  Rib Pattern	Regular Tread	100%
2	Traction  Traction Pattern	Regular Tread	100%
3	Rock  Block Pattern	Regular Tread	100%
4	Rock  Rock Pattern	Deep Tread	150%
5	Rock	Extra Deep Tread	250%
4S	Smooth  Smooth	Deep Tread	150%
5S	Smooth	Extra Deep Tread	250%



Tread Thickness

According to the Tire and Rim Association (TRA), there are three general classifications for tread thickness for OFF-THE-ROAD TIRES : regular, deep and extra deep. Deep and extra deep are 1.5 and 2.5 times thicker than regular, respectively. The thicker treads have greater cut and wear resistance.

Application	Vehicles	TRA Code/ Tread Type	Pattern Name	
Earthmover	 Rigid Dump Trucks  Articulated Dump Trucks	E-3 Rock	RT31 RB31 RL31 Y67 Y565	E
	 Scrapers		E-4 RT41 RL45 RB41 RB42 RB42A RL42 RL47 Y67E Y523 Y523U Y567	
Grader	 Graders	G-2 Traction	RT21 MYXS01 Y103	G
		G-3 Rock	Y67	
Loader & Dozer	 Wheel Loaders  Dozers	L-2 Traction	MYXS01 Y103 Y548	L
		L-3 Rock	RT31 RB31 RL31 Y67 Y575 Y526K	
		L-4 Rock	RT41 RL45 Y545 Y67E	
		L-5 Rock	RL51 RL52 Y524 Y524Z	
Compactor	 Tire Rollers	C-1 Smooth	Y69	C
Underground	 Wheel Loaders  Underground Vehicles	E-3	Y67	UG
		E-4	RT41	
		L-5	Y525	
		L-4S	Y69U	
		L-5S	R69 Y69 Y69K Y69U	
IND-3	Y67 Y20			
Mobile Crane	 Wheel Cranes  All-terrain Cranes	-	RB01 RB03 RS01	Crane
Industrial	 Forklifts  Container Handlers  Log Stackers Log Handlers	IND-3	Y92 Y67 Y69 Y69PS Y505 Y573	IND
			IND-4	
		 Reach Stackers  Towing Tractors  Straddle Carriers  Transfer Cranes	-	