1. The aspect ratio classifies 3 major tire families.

- **100 series (standard)**
  - The H/S ratio is approximately equal to 1.

- **80 series**
  - The H/S ratio is approximately equal to 0.80.

- **65 series**
  - The H/S ratio is approximately equal to 0.65.

2. Different tread depths

- **65, 80 and 100 series**

3. Several types of construction

**Type A4:**
- Particularly resistant to cuts, tear, tearing and abrasion on very rough surfaces.

**Type A:**
- Particularly resistant to cuts, tear, 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 low 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.
### INDUSTRIAL AND PORT

<table>
<thead>
<tr>
<th>LOADER/GRADER</th>
<th>TREAD DESIGN</th>
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### UNDERGROUND

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### CRANE/TRANSPORT

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</tbody>
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### Michelin Designation:

- **D1**: Low TKPH (TMPH)
- **D2**: Average TKPH (TMPH)
- **D3**: High TKPH (TMPH)
- **D4**: Moderate TKPH (TMPH)

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### Notes:

- Extra-deep tread Michelin designation: **D2**
- Tires for rigid trucks, articulated dumpers, in inches with two decimal places.

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### Michelin Designation:

- **D1**: Compromise solution between abrasion resistance and average speed on rough surfaces.
- **D2**: Adapted to running on long cycles at high speeds on well-maintained roads with a higher wear resistance than the Type C4.
- **D3**: Very high resistance to high average speeds on long cycles run on well-maintained roads.
**Loader/Grader**

- **XGLA2**: A tire for small wheel loaders requiring traction and grip on snow and ice.
- **XSNOPLUS**: A tire for small wheel loaders requiring a high level of traction on wet, irregular surfaces.
- **XTL**: A tire for small wheel loaders designed for walkers, graders, and other equipment used in construction, chippers, and track-loading applications.
- **XHA2**: A tire for small wheel loaders requiring high levels of traction and durability for off-road applications.
- **XLD**: A tire for small wheel loaders designed to deliver extra productivity and safety for underground transport machines.
- **XRDN**: A tire for small wheel loaders designed to provide high levels of traction and durability for underground transport machines.

**Underground**

- **X-MINE D2**: A tire with sturdy tread blocks providing excellent traction on snow and ice.
- **X-SNOPLUS® XTLA™ XHA® XHA® 2 XLD® L3 XRDN™ A XTXL® XLD® D1 XLD® D2 X MINE® D2**: A tire with reinforced pattern used in mines and abrasive ground.
- **E4**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **E2**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **LOADGRIP™ X®TRA X-TRACTION™ S**: A scraper tire with massive tread blocks providing excellent traction on snow and ice.
- **LOADPROTECT™ LOADGRIP™ REPEL®**: An all-weather tire with siped tread blocks offering excellent traction on snow and ice.
- **XDR® 2 XDR® 2 S XDR® 3 XDR®**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **X-CRANE AT® X-CRANE+® XGC® XHD1™ XMH™ S X SNOPLUS®**: A tire designed to work on sites where traction and grip on snow and ice are required.

**Rigid Dump Trucks**

- **XHD**: A tire for use in surface mine in loading and teeming conditions.
- **XVAL**: A tire for use in surface mine in loading and teeming conditions.
- **XVAUL**: A tire for use in surface mine in loading and teeming conditions.
- **X-QUIARRY 5**: A tire for use in surface mine in loading and teeming conditions.
- **X-TRACTION 5**: A tire for use in surface mine in loading and teeming conditions.
- **X-TRACTION S**: A tire for use in surface mine in loading and teeming conditions.
- **XCRANE AT**: A tire for use in surface mine in loading and teeming conditions.
- **X-CRANE+**: A tire for use in surface mine in loading and teeming conditions.
- **XGC**: A tire for use in surface mine in loading and teeming conditions.
- **XHD1**: A tire for use in surface mine in loading and teeming conditions.
- **XMH**: A tire for use in surface mine in loading and teeming conditions.
- **X-SNOPLUS**: A tire for use in surface mine in loading and teeming conditions.

**Crane/Transport**

- **X-TOWER**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **X-STRADDLE® 2 X STACKER® 2 X-TERMINAL T™ X® Lisse Compacteur™**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **X-ZONE 2 X-ZONE 2+**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **X-STACKER 2 X-TERMINAL T™ X® Lisse Compacteur™**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **X-LOADSTAR™**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **X-STACKER**: A tire designed to work on sites where traction and grip on snow and ice are required.
- **X-TERMINAL T™**: A tire designed to work on sites where traction and grip on snow and ice are required.