

Publicado em 25.01.2023

Atualizado em xx.xx.2023

Art. 1 - VIATURAS ADMITIDAS

As constantes no quadro seguinte detentoras de ficha de homologação FIA / FPAK e suas extensões, válidas para o ano em curso e ainda as viaturas em conformidade com o art.2.7.1.c do CDI.

1.1 - Serão admitidas ainda as viaturas FIA/WRC, em conformidade com o descrito no Art. 4.2.2 do Regulamento Desportivo do CPR.

Terão, no entanto, de se apresentar em conformidade com a regulamentação de segurança FIA em vigor.

CATEGORIAS			GRUPOS/CLASSES	REGULAMENTOS	PESO	CAMPEONATOS				
FIA	CPR	PROMO START CMCRCAR	VIATURAS	ARTIGO/ANEXO/ANO	MINIMO/KG	CPR	PROMO	START	CMCR	CAR
RALLY2	RC2	X5/16	GRUPO RALLY2	Grupo Rally2 conforme Art.261 Anexo J 2021	1230	X			X	X
		X5/16	S2000 – RALLY 2.0 Atmosférico	Viaturas Super 2000 conforme Art. 254 A Anexo J 2013	1200	X			X	X
	RC2K	X5/16	GRUPO RALLY2 kit (VR4K)	Viaturas equipadas com R4 Kit conforme Art.260 E Anexo J 2021	1230	X			X	X
	RC2N	P3/X3	GRUPO N NR4 + 2000cc	Viaturas Grupo N conforme Art.254 Anexo J 2019	FH	X	X		X	X
		P3/X3	GRUPO N VR4	Viaturas Grupo N conforme Art.260 Anexo J	1300	X	X		X	X
R-GT	R-GT	X5/16	R-GT FIA	Viaturas Grupo RGT conforme Art.256 Anexo J 2019/2021	PT RGT (FIA)**	X			X	X
	R-GTN	X5/16	R-GT FPAK	REG. FPAK (CPR-GT) +FH	Art.2 do Reg. Técnico CPRGT	X			X	X
RALLY3	RC3	X5/16	RALLY3 Atmosférico + 1390cc até 2000cc e Turbo + 927cc até 1620cc	Viaturas Grupo Rally3 Homologação a partir 01/01/2021 conforme Art.260 Anexo J 2021	1210	X			X	X
	R3N	X5/16	TOYOTA GR YARIS RZ	FH FPAK/RFeDA	1300	X			X	X
RALLY4	RC4	X5/16	RALLY4 Turbo + 927 até 1333cc	Viaturas Grupo Rally4 Homologação a partir 01/01/2019 conforme Art.260 Anexo J 2021	1080	X			X	X
		P1/P2	RALLY4 Atmosférico + 1390cc até 2000cc	Viaturas Grupo R2 Homologação antes de 31/12/2018 conforme Art.260 Anexo J 2018	1080	X	X	X	X	X
		P2	R3 Atmosférico + 1600cc até 2000cc E Turbo + 1067cc até 1333cc	Viaturas Grupo R Homologação antes de 31/12/2019 conforme Art.260 Anexo J 2019	1080	X	X	X	X	X
		P2	R3 Turbo + 1620cc (nominal)	Viaturas Grupo R Homologação antes de 31/12/2019 conforme Art.260 D Anexo J 2019	1080	X	X	X	X	X
		P2	GRUPO A + 2000cc	Viaturas Grupo A conforme Art.255 Anexo J 2019	1080	X	X	X	X	X
RALLY5	RCS	P2	RALLY5 Atmosférico + 1600cc e Turbo + 1067cc	Viaturas Grupo R1 Homologação antes de 31/12/2018 conforme Art.260 Anexo J	1030/1080	X	X	X	X	X
	RCSN	P2/3	KIA PICANTO	Conforme Regulamento Troféu	FH	X	X	X	X	X
E-RALLY	E-RALLY	X5/16	VIATURAS DE PROPULSAO – ENERGIAS ALTERNATIVAS	FIA	FH	X	X	X	X	X

Tabela de Viaturas FPAK 2023- ANEXO A

** conforme passaporte técnico RGT (FIA)

1.2 - Quadro de viaturas admitidas para o WRC/ERC/ERT 2023

CLASSE	GRUPO	WRC	ERC/ERT
RC1	Rally1	☑	
RC2	Rally2	☑	☑
	Rally2 Kit	☑	☑
	NR4 + 2.0		☑
	S2000 – Rally		☑
	R4		
RGT	RGT	☑	☑
RC3	Rally3	☑	☑
RC4	Rally4	☑	☑
	R2	☑	☑
	R3	☑	☑
	Grupo A até 2.0		☑
RC5	Rally5	☑	☑
	R1	☑	☑

☑ = Admitidos

https://www.fia.com/sites/default/files/fia_rally_car_pyramid_brochure_-_february_2021.pdf

Art. 2 - PESOS

2.1 - O peso mínimo da viatura é considerado: sem 1º condutor e 2º condutor/navegador, sem o respetivo equipamento e com no máximo uma roda sobressalente, conforme quadro acima.

No caso em que duas rodas sobressalentes são transportadas na viatura, a segunda roda terá de ser retirada antes de efetuar a pesagem.

2.2 - O peso mínimo da viatura nas condições do Art. 255-4.1; 260-201.3 & 4 & 5; 260-201.3 & 4; 260-201.4 e 261-201.4 quando com a equipa a bordo (piloto + copiloto + equipamento completo) é definido pelo quadro acima +160 Kg.

Para S1600 e Kit-Car até 1600 cm³, (Art. 255-6-2) é definido pelo quadro acima +150 Kg.

2.3 - A utilização de lastro é autorizada de acordo com o Art. 252-2.2 do Anexo J.

Art. 3 - EQUIPAMENTO SEGURANÇA

3.1 - Viatura - conforme o disposto no Art. 253 do Anexo J.

3.1.1 - Sistemas Instalados (Extinção automática)

a) Em conformidade com o Art.253-7.1.1 do Anexo J de 2020 as viaturas **R1, R2, R3**, que participem em provas FIA (WRC/ERC/ERT/IRT), estão obrigadas a utilizar o sistema com a norma FIA 8865-2015 (LT nº 52), nomeadamente nas seguintes provas do CPR:

Rali Serras de Fafe, Rali dos Açores, Rali Terras D'aboboreira, Vodafone Rali de Portugal, Rali Vinho da Madeira.

b) Para o ano de 2023 será obrigatório o uso do sistema instalado (norma FIA 8865-2015 - LT nº 52) em todas as provas do CPR.

3.2 - 1º condutor e 2º condutor/navegador

3.2.1 - Capacetes - com homologação válida e em conformidade com o disposto pelo Anexo L ao CDI, Capítulo III - Art. 1. Normas FIA standard (lista técnica FIA nº 25) e/ou normas FIA 8860-2004 ou FIA 8860-2010 (lista técnica FIA nº33), FIA 8858 (lista técnica FIA nº 41) e FIA 8859 (lista técnica FIA nº49).

3.2.2 - Fato de competição, roupa interior; balaclava; luvas e sapatos - com homologação válida e em conformidade com o disposto pelo Anexo L ao CDI, Capítulo III Art. 2 - norma FIA 8856-2000 (lista técnica FIA nº 27). Não é obrigatório o uso de luvas para o copiloto.

3.2.3 - Sistema de retenção de cabeça (HANS-FHR) - com homologação válida e em conformidade com o disposto pelo Anexo L ao CDI, Capítulo III - Art. 3. Normas FIA 8858-2002 e/ou FIA 8858-2010 (lista técnica FIA nº 29). (**consultar Anexo I - compatibilidade**).

Art. 4 - PNEUS

4.1 - Roda de reserva - em cada prova será obrigatória a instalação de pelo menos um pneu suplente devidamente fixado no carro, controlável em qualquer momento da prova.

4.2 - Tipo de pneus a utilizar nas Super Especiais (SE) - os pneus a utilizar nas SE, serão obrigatoriamente do mesmo tipo de piso que corresponda ao das restantes PEC `s que integrem essa Prova, conforme Art. 13.7.4 das PER.

4.3 - Para asfalto - é proibido o uso de pneus *slick* conforme Art. 13.3 das PER.

Sendo o desenho do piso apresentado no **(Anexo IV)** abaixo.

As listas dos pneus homologados podem sofrer alterações e/ou atualizações.

Todos os pneus devem estar em conformidade com o Anexo IV das Prescrições Específicas dos Campeonatos de Ralis FIA e apresentarem os códigos de barras de identificação FIA.

É proibido utilizar qualquer dispositivo para aquecer os pneus depois de montados nas suas jantes.

4.4 - Para terra-Os pneus de terra são livres, contudo não é permitido alterar o desenho original do piso quer seja por corte ou recorte e apresentarem os códigos de barras de identificação FIA.

4.5 - Dispositivo que permite o pneu conservar a sua performance - é proibido a utilização de qualquer dispositivo que permita regular a pressão dos pneus, aquando da viatura em movimento.

4.6 - Marcação / Limite a utilizar

- Todas as viaturas dos concorrentes que disputem provas do CPR (Terra ou Asfalto), independentemente de estarem ou não inscritos no mesmo, poderão utilizar até **10 pneus** por prova, os quais serão objeto de verificação e marcação.

- Exclusivamente para as **“Free Practice” Shakedown e Qualifying** das provas em piso de terra ou asfalto, os pneus utilizados não serão objeto de marcação.

- Nas Super Especiais das provas em piso de terra, os pneus utilizados não serão objeto de marcação.

Assim recomenda-se prever uma ZAR - zona assistência remota para troca de pneus se aplicável.

- Todos os concorrentes disputando provas do CPR têm de preencher um formulário referenciando quais os pneus a utilizar até ao número máximo permitido (conforme formulário em **Anexo III**).

- Tal facto não é impeditivo de controle e marcação de Pneus.

- O controle de Pneus poderá ser efetuado à saída do **PA**, num **Reagrupamento** ou no final de qualquer uma das **PEC** que compõem o Rali.

a) **CPR - nas provas não internacionais, os pneus são marcados. Serão limitados a um máximo de 10 pneus por prova, novos ou usados.**

b) **CPR2RM - nas provas não internacionais, os pneus são marcados. Serão limitados a um máximo de 8 pneus por prova, novos ou usados.**

4.6.1 - Provas Internacionais - que integram o CPR, nestas, o procedimento para a marcação de pneus segue a regulamentação própria dos campeonatos onde se inserem.

a) Independentemente de estarem inscritos no CPR ou não, os concorrentes Nacionais, participantes nas provas do WRC/ERC/ERT, terão de preencher o formulário de Pneus a utilizar e entregar o mesmo ao DT FPAK.

b) Serão objeto de controle da quantidade e identificação dos pneus utilizados nas viaturas com que iniciam a secção de PEC, bem como com que a terminam.

Quer dizer que, quer se apresentem com cinco ou seis pneus no início da secção, terão de regressar com os mesmos pneus com que iniciaram essa secção.

Art. 5 - CÂMARAS FILMAR

5.1 - Instalação - a instalação da (s) câmara (s) de filmar tem de estar em conformidade com o disposto no menu Técnica, (Listas Técnicas), Câmaras de Filmar, no site da FPAK.

https://www.fpak.pt/sites/default/files/ficheiros/2019-06/28704-camaras_de_filmar.pdf

Art. 6 - SELAGEM TURBOCOMPRESSOR (VULGO TURBO)

6.1 - É obrigatório para as viaturas com turbocompressor (vulgo Turbo), que nas VTI o “Turbo” esteja em conformidade e respeite a localização dos pontos de passagem do fio de selagem conforme se descreve no **Anexo II**.

Art. 7 - PASSAPORTE TÉCNICO FPAK

Todas as viaturas terão, obrigatoriamente, de ter um passaporte técnico emitido pela FPAK.

Poderão ainda apresentar um passaporte técnico FIA ou proveniente de outra ADN, desde que de forma pontual. Sempre que um concorrente inscrito no Campeonato/Taça/..., participe em mais do que duas provas com a mesma viatura com PT de outra ADN ou FIA, terá de requerer um PT FPAK de modo a ser efetuada uma monitorização da referida viatura (conforme Artigo 10.2.2 das PGAK).

ANEXO A

CATEGORIAS			GRUPOS/CLASSES	REGULAMENTOS	PESO	CAMPEONATOS					
FIA	CPR	PROMO START CMCR/CAR	VIATURAS	ARTIGO/ANEXO/ANO	MINIMO/KG	CPR	PROMO	START	CMCR	CAR	
RALLY2	RC2	X5-16	GRUPO RALLY2	Grupo Rally2 conforme Art.261 Anexo J 2021	1230	☑			☑	☑	
		X5-16	S2000 – RALLY 2.0 Atmosférico	Viaturas Super 2000 conforme Art.254 A Anexo J 2013	1200	☑			☑	☑	
	RC2K	X5-16	GRUPO RALLY2 kit (VR4K)	Viaturas equipadas com R4 Kit conforme Art.260 E Anexo J 2021	1230	☑			☑	☑	
	RC2N	P3/X3	GRUPO N NR4 + 2000cc	Viaturas Grupo N conforme Art.254 Anexo J 2019	FH	☑	☑			☑	☑
		P3/X3	GRUPO N VR4	Viaturas Grupo N conforme Art.260 Anexo J	1300	☑	☑			☑	☑
R-GT	R-GT	X5-16	R-GT FIA	Viaturas Grupo RGT conforme Art.256 Anexo J 2019/2021	PT RGT (FIA)**	☑			☑	☑	
	R-GTN	X5-16	R-GT FPAK	REG. FPAK (CPR-GT) + FH	Art.2 do Reg. Técnico CPRGT	☑			☑	☑	
RALLY3	RC3	X5-16	RALLY3 Atmosférico + 1390cc até 2000cc e Turbo + 927cc até 1620cc	Viaturas Grupo Rally3 Homologação a partir 01/01/2021 conforme Art.260 Anexo J 2021	1210	☑			☑	☑	
	R3N	X5-16	TOYOTA GR YARIS RZ	FH	1300	☑			☑	☑	
RALLY4	RC4	X5-16	RALLY4 Turbo + 927 até 1333cc	Viaturas Grupo Rally4 Homologação a partir 01/01/2019 conforme Art.260 Anexo J 2021	1080	☑			☑	☑	
		P1/P2	RALLY4 Atmosférico + 1390cc até 2000cc	Viaturas Grupo R2 Homologação antes de 31/12/2018 conforme Art.260 Anexo J 2018	1080	☑	☑	☑	☑	☑	
		P2	R3 Atmosférico + 1600cc até 2000cc E Turbo + 1067cc até 1333cc	Viaturas Grupo R Homologação antes de 31/12/2019 conforme Art.260 Anexo J 2019	1080	☑	☑	☑	☑	☑	
		P2	R3 Turbo + 1620cc (nominal)	Viaturas Grupo R Homologação antes de 31/12/2019 conforme Art.260 D Anexo J 2019	1080	☑	☑	☑	☑	☑	
		P2	GRUPO A + 2000cc	Viaturas Grupo A conforme Art.255 Anexo J 2019	1080	☑	☑	☑	☑	☑	
RALLY5	RC5	P2	RALLY5 Atmosférico + 1600cc e Turbo + 1067cc	Viaturas Grupo R1 conforme Art.260 Anexo J	1030/1080	☑	☑	☑	☑	☑	
-	RC5N	P2/3	KIA PICANTO	Conforme Regulamento Troféu	FH	☑	☑	☑	☑	☑	
E-RALLY	E-RALLY	X5-16	VIATURAS DE PROPULSÃO – ENERGIAS ALTERNATIVAS	FIA	FH	☑	☑	☑	☑	☑	

-	-	P1 - 2 RM até 1600cc	Classe 1 – até 1400cc Classe 2 – de 1401cc a 1600cc	Art. 2.2.1 Reg. Técnico Ralis Promo/Start/Regionais		✓	✓	✓	✓
-	-	P2 - 2 RM + 1600cc	Classe 3 – de 1601cc a 2000cc Classe 4 – de 2001cc a 3000cc Classe 5 – mais de 3001cc a 3500cc	Art. 2.1.1 Reg. Técnico Ralis Promo/Start/Regionais		✓	✓	✓	✓
-	-	P3 - 4 RM	Classe 6 – até 2500cc Classe 7 – mais de 2501cc a 3500cc	Art. 2.1.1 Reg. Técnico Ralis Promo/Start/Regionais		✓		✓	✓
-	-	X1 - 2 RM até 1600cc	Classe 8 – até 1400cc Classe 9 – de 1401cc a 1600cc	Art. 12 Reg. Técnico Ralis Promo/Start/Regionais		✓	✓	✓	✓
-	-	X2 - 2 RM + 1600cc	Classe 10 – de 1601cc a 2000cc Classe 11 – de 2001cc a 3000cc Classe 12 – mais de 3001cc a 3500cc	Art. 12 Reg. Técnico Ralis Promo/Start/Regionais		✓	✓	✓	✓
-	-	X3 – 4 RM	Classe 13 – até 2500cc Classe 14 – mais de 2501cc a 3500cc	Art. 12 Reg. Técnico Ralis Promo/Start/Regionais		✓		✓	✓
-	-	X4 - Diesel	Classe 15 – Todas as motorizações diesel	Art. 12 Reg. Técnico Ralis Promo/Start/Regionais		✓	✓	✓	✓
-	-	X5	Classe 16 – Todas as viaturas com homologação FIA/FPAK válida (VCHF). Inclui RGT/ Rally 4, assim como viaturas WRC com FH FIA atual	Art. 12 Reg. Técnico Ralis Promo/Start/Regionais		✓		✓	✓
-	-	X6	Classe 17 - até 3500cc	Grupo N5/PROTO Viaturas com homologação FPAK e de outras ASN Art. 255 Anexo J Regulamento Próprio Grupo X ou FH		✓		✓	✓
		X7 – 2RM	Classe 18 – Motores atmosféricos até 1600cc Classe 19 – Motores turbo + 1600cc	Grupo N3 Viaturas com homologação FPAK e de outras ASN Art. 255 Anexo J Regulamento Próprio Grupo X ou FH		✓		✓	✓
-	-	SC	Classe 20 – até 2000cc						

ANEXO I

COMPATIBILIDADE CAPACETES SISTEMA (HANS-FHR)

in compliance with
FIA standard 8858-2002
Manufacturer: xxxxxx
Model: xxxxxx

FIA 8858-2010

FIA 8858-2002 FIA 8858-2002

Helmet tether anchorages
fitted by the manufacturer
In compliance with
FIA standard 8858-2002

FIA Standard 8860-2004
Manufacturer: Helmet Inc.
Model: xxxxxxxx
Size: xx

FIA 8858-2010

FIA 8858-2002

FIA 8858-2002
FIA 8860-2004

in compliance with
FIA Standard 8858-2010

Manufacturer: FIA
Model: xxxxxx
Homologation No: FHE000000-X
Serial No: xxxxxx

in compliance with
FIA Standard 8859-2010

Manufacturer: Helm, Name of Manufacturer
Serial No: xxx xxx
Model Name
Homologation No: FHE000000-X
Date of Manufacture: JAN 2010

FIA 8858-2010

FIA 8858-2002

in compliance with
FIA Standard 8858-2010

Manufacturer: Helm, Name of Manufacturer
Serial No: xxx xxx
Model Name
Homologation No: FHE000000-X
Date of Manufacture: JAN 2010

in compliance with
FIA Standard 8860-2004

Manufacturer: Helmet Inc. Name of Manufacturer
Serial No: xxx xxx
Model Name
Homologation No: FHE000000-X
Date of Manufacture: JAN 2010

in compliance with
FIA Standard 8859-2010

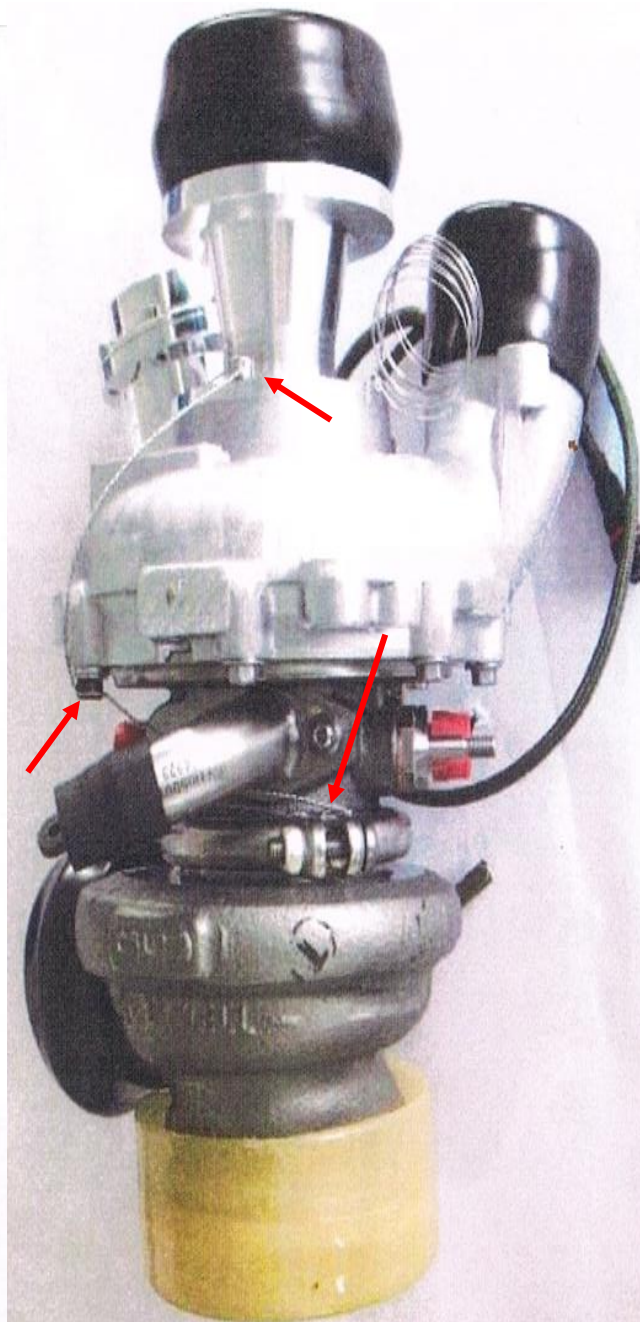
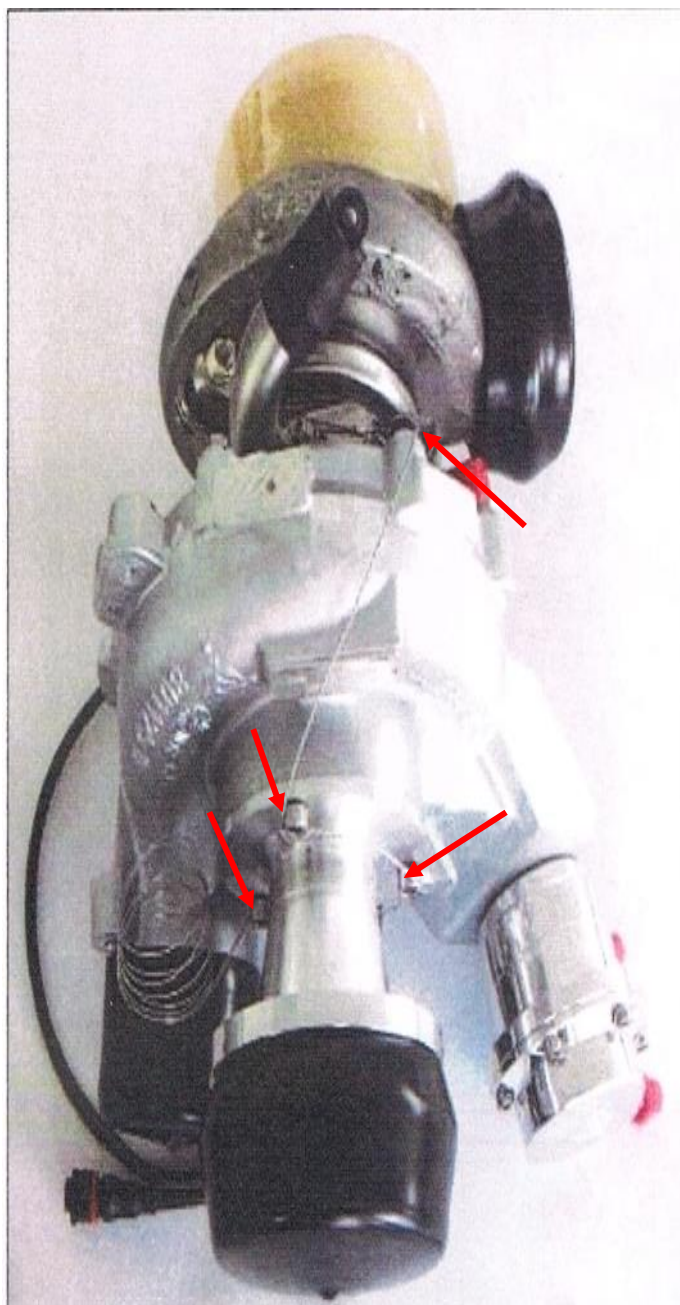
Manufacturer: Helm, Name of Manufacturer
Serial No: xxx xxx
Model Name
Homologation No: FHE000000-X
Date of Manufacture: JAN 2010

FIA 8858-2010

FIA 8858-2002

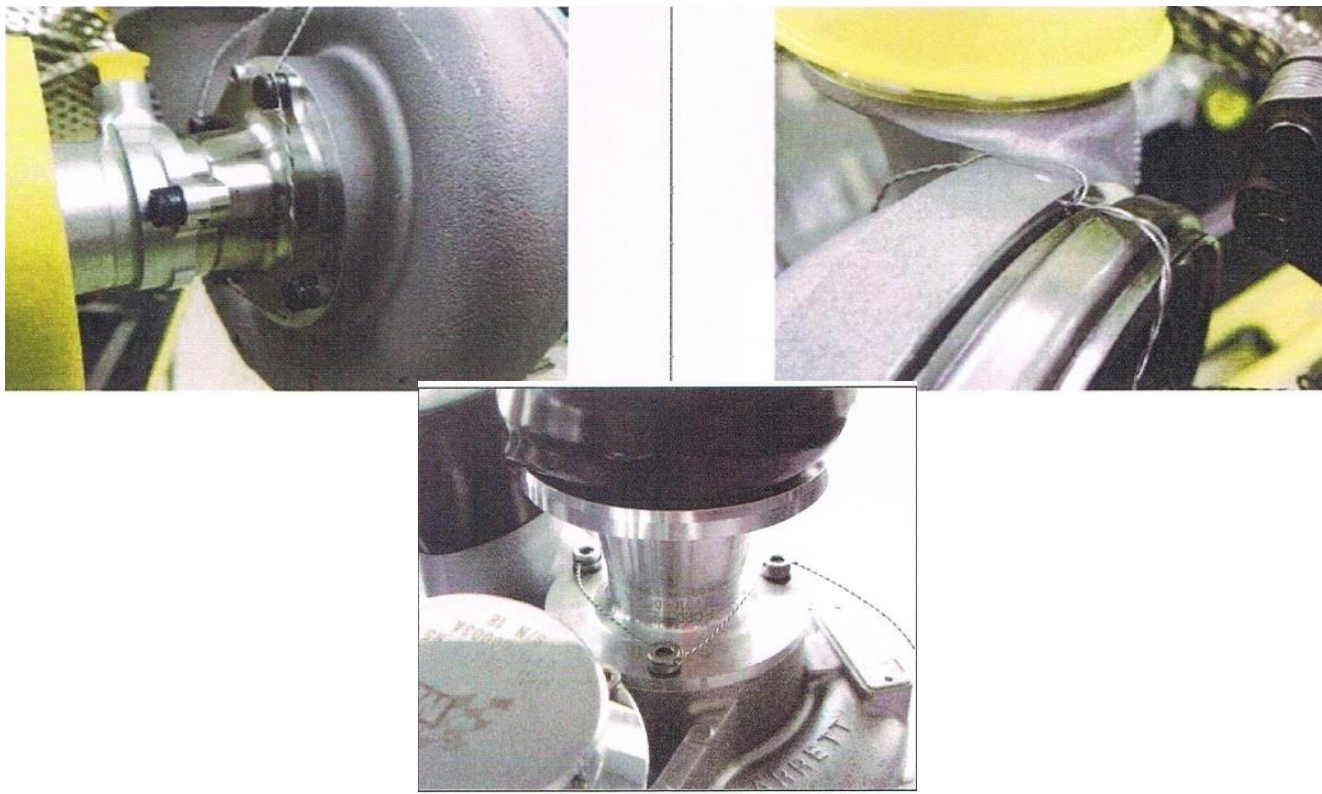
FIA 8859-2015
FIA 8858-2010
FIA 8860-2004

ANEXO II
SELAGEM DO TURBOCOMPRESSOR (TURBO)

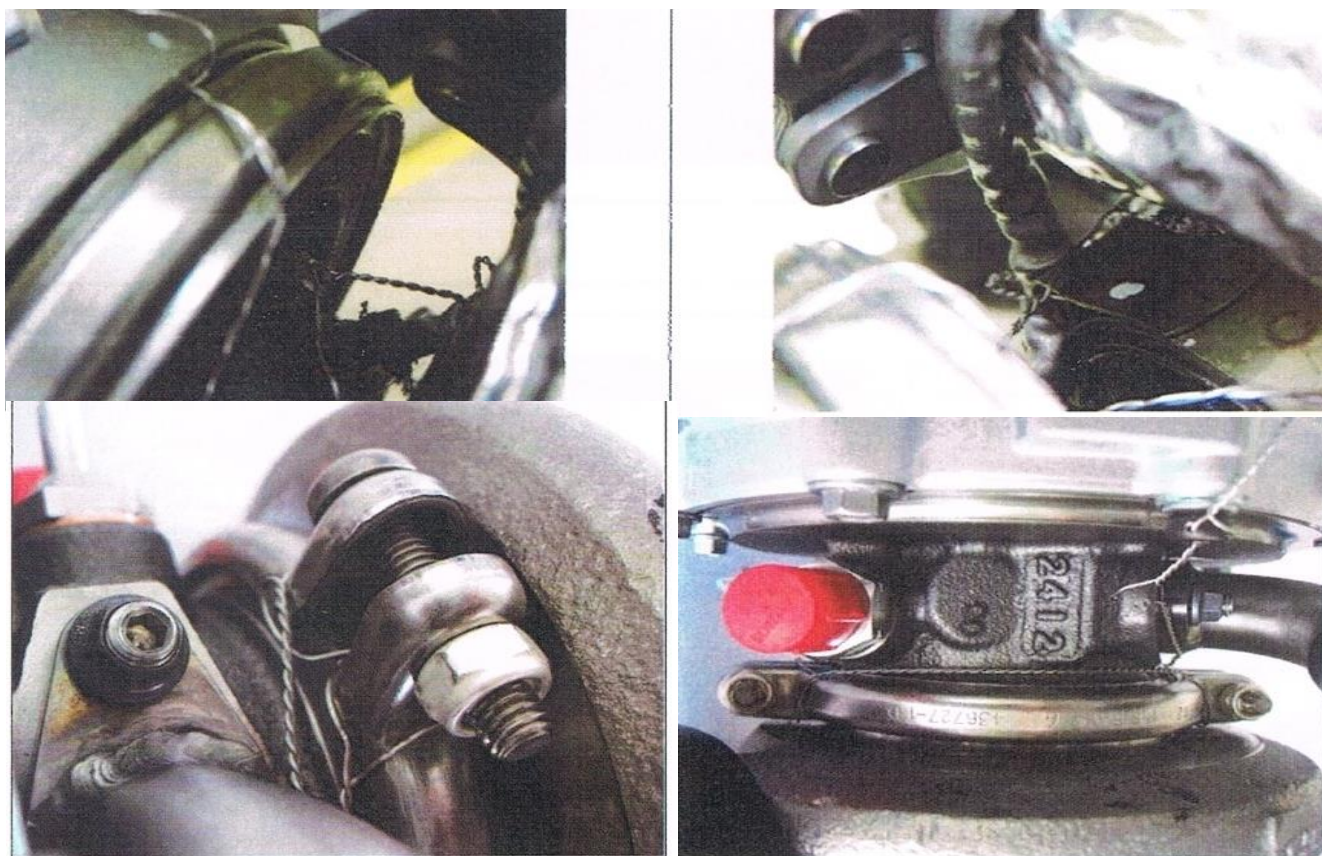


ZOOM DE PONTOS DE PASSAGEM DO FIO DE SELAGEM

LADO DO COMPRESSOR



LADO DA TURBINA



ANEXO III



CPR/WRC/ERT (CONCORRENTES NACIONAIS) DECLARAÇÃO DE PNEUS

CONCORRENTE Nº:

.....

Eu,, com o número de licença e como concorrente da viatura com o número referenciado acima, declaro que os códigos de barras dos pneus que a utilizar na Secção nº serão:

Pneu 1:

Pneu 2:

Pneu 3:

Pneu 4:

Pneu Suplente 5:

Pneu Suplente 6:

E para que assim conste assino a presente, de de

Assinatura:

Nº de licença:

ANEXO IV

DESENHOS DO PISO DOS PNEUS DE ASFALTO LISTA CPR 2022

18" - 20/65-18



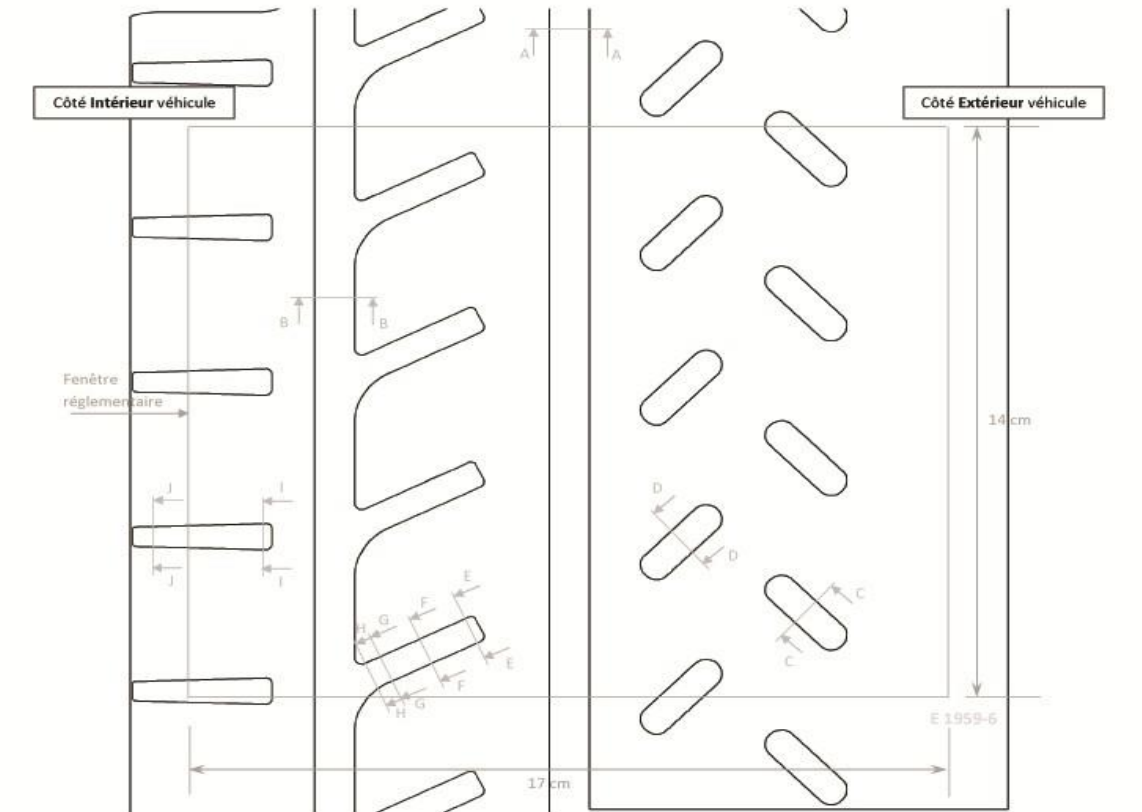
Domaine : Rallye Asphalte

Clermont-Ferrand le 05/12/2013

Dimension : 20 / 65 – 18

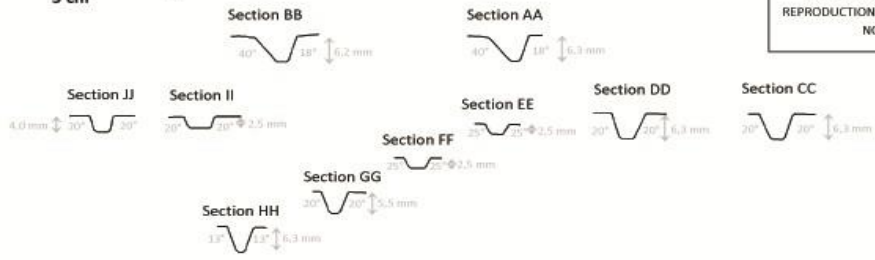
Plan de la sculpture : Pilot Sport R

Entaillement Surfamique dans fenêtre règlementaire : 21,51 %



Echelle 1:1
5 cm

MANUFACTURE FRANCAISE DES PNEUMATIQUES
MICHELIN CLERMONT-FERRAND
PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
REPRODUCTION OU UTILISATION INTERDITE SANS
NOTRE ACCORD ECRIT



18" - 20/65-18



Domaine : Rallye Asphalte Wet

Dimension : 20 / 65 - 18

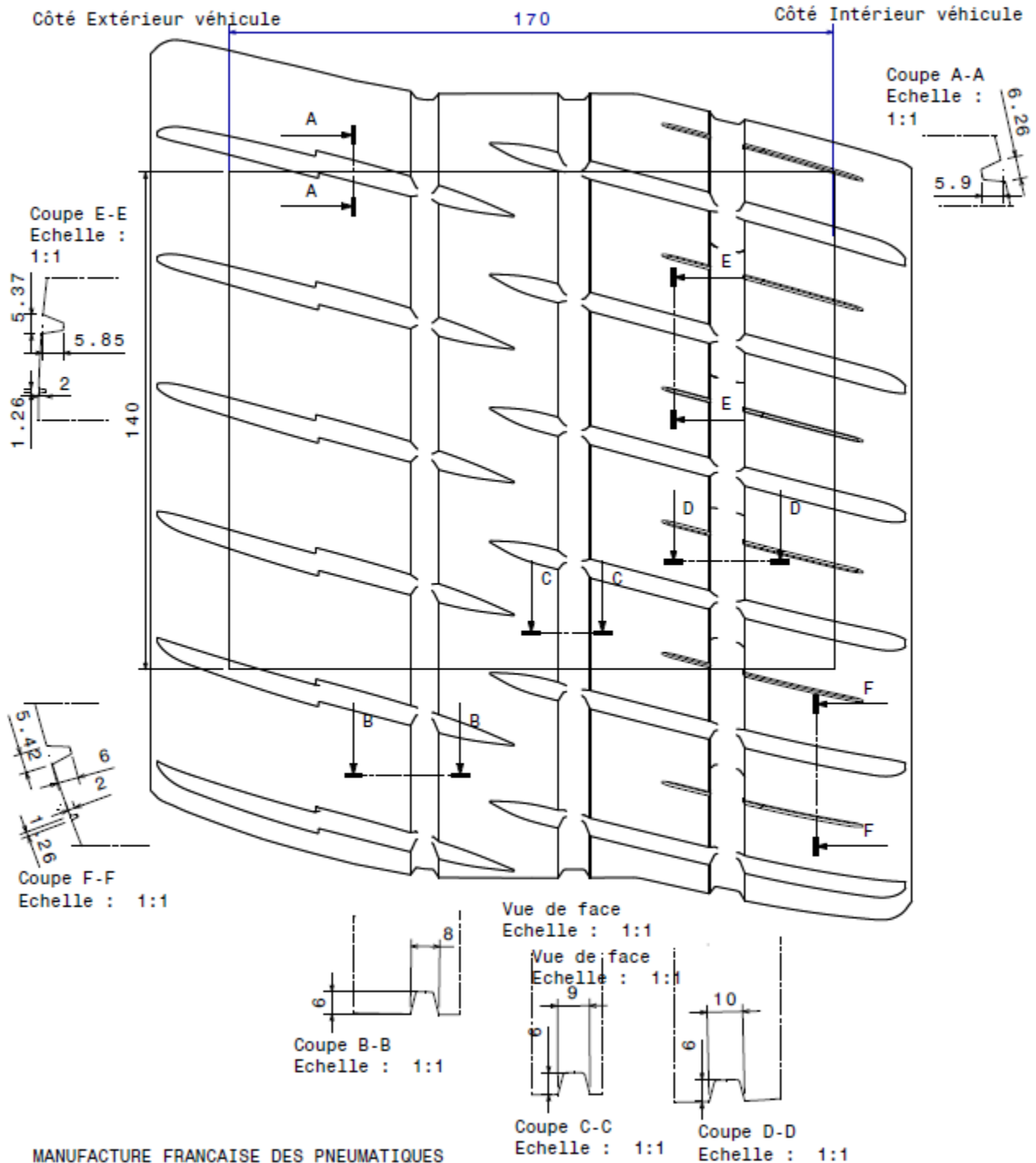
Plan de la sculpture : Pilot Sport A MW1

Entaillement Surfacique dans fenêtre

règlementaire > ou = 27.5 % avec les entailles > 1.8 mm de profondeur comme avec les entailles > 5.5 mm de profondeur.



Clermont-Ferrand le 03/07/2019



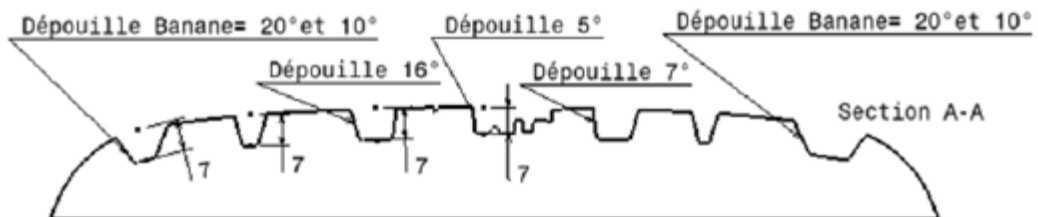
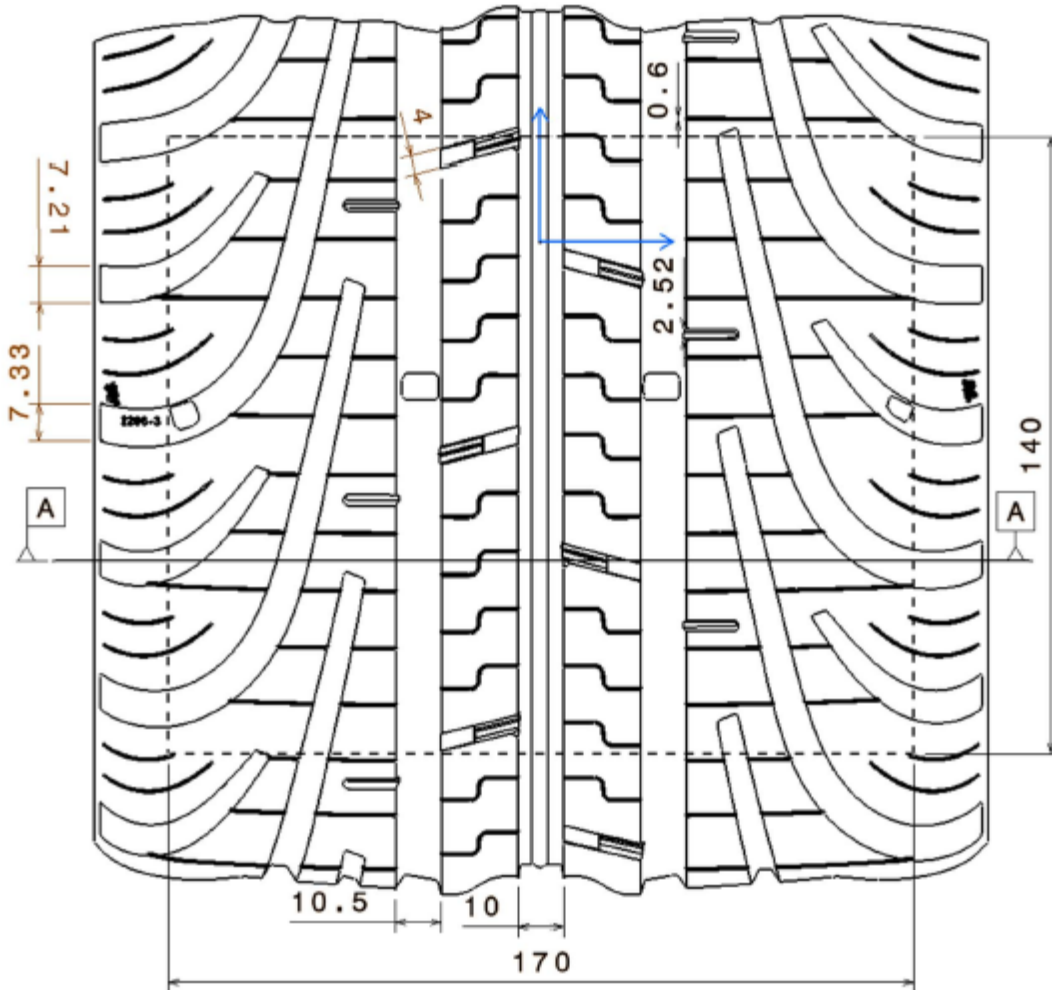
MANUFACTURE FRANCAISE DES PNEUMATIQUES
MICHELIN CLERMONT-FERRAND
PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
REPRODUCTION OU UTILISATION INTERDITE SANS
NOTRE ACCORD ECRIT

18" - 18/65-18



Clermont-Ferrand le : 15/12/2016
Domaine : Rallye Asphalté WRC Wet
Dimension : 18 / 65 - 18
Plan de la sculpture : Pilot Sport FW3
Entaillement Surfacique sur entaille $\geq 5,5\text{mm}$ de profondeur : 27.5%

MANUFACTURE FRANCAISE DES PNEUMATIQUES
MICHELIN CLERMONT-FERRAND
PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
REPRODUCTION OU UTILISATION INTERDITE SANS
NOTRE ACCORD ECRIT

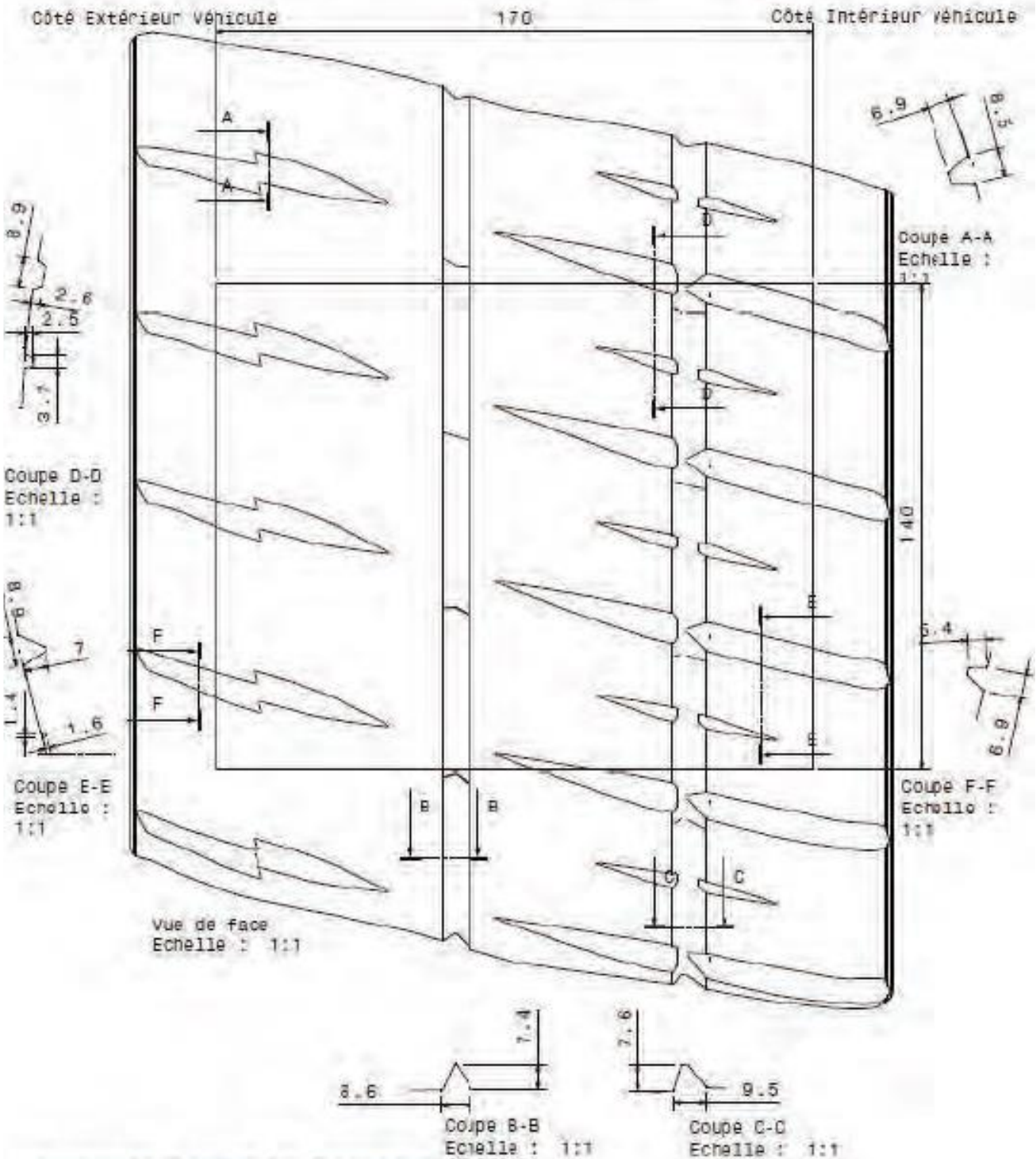


18" - 20/65-18

Domaine : Rallye Asphalte
 Dimension : 20 / 65 - 18
 Plan de la sculpture : Pilot Sport A
 Entaillement superficiel dans fenêtre réglementaire : 21.74 %



Clermont-Ferrand le 05/08/2020



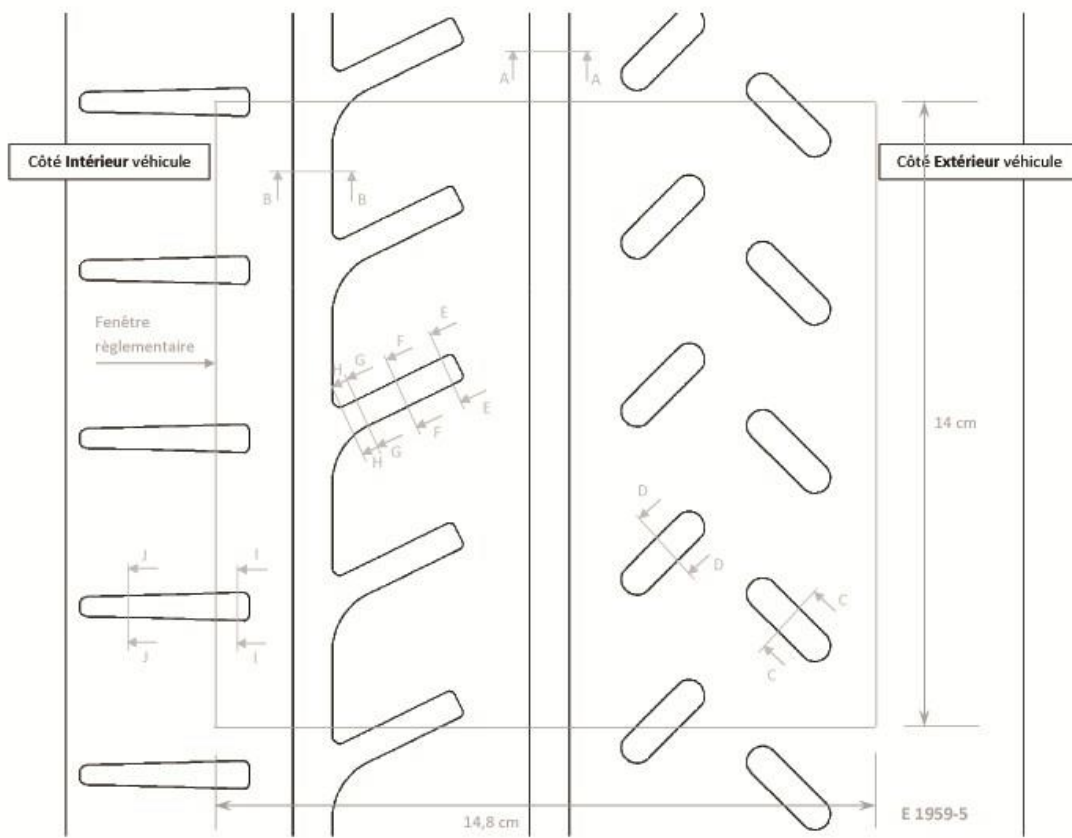
MANUFACTURE FRANCAISE DES PNEUMATIQUES
 MICHELIN CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE SANS
 NOTRE ACCORD ECRIT

17"- 19/63-17

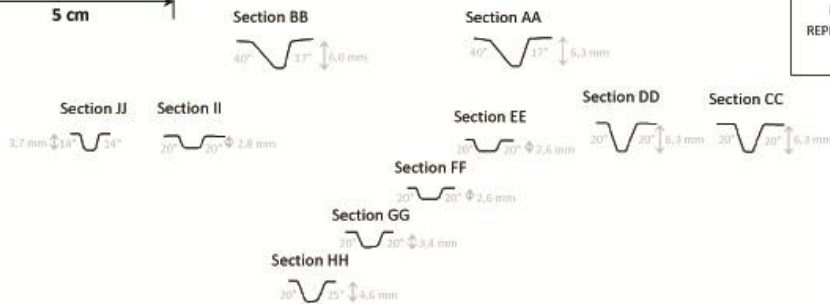


Domaine : Rallye Asphalte
 Dimension : 19 / 63 – 17
 Plan de la sculpture : Pilot Sport R
 Entaillement surfacique sur fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013



Echelle 1:1
 5 cm



MANUFACTURE FRANCAISE DES PNEUMATIQUES
 MICHELIN CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE SANS
 NOTRE ACCORD ECRIT

17"- 19/63-17

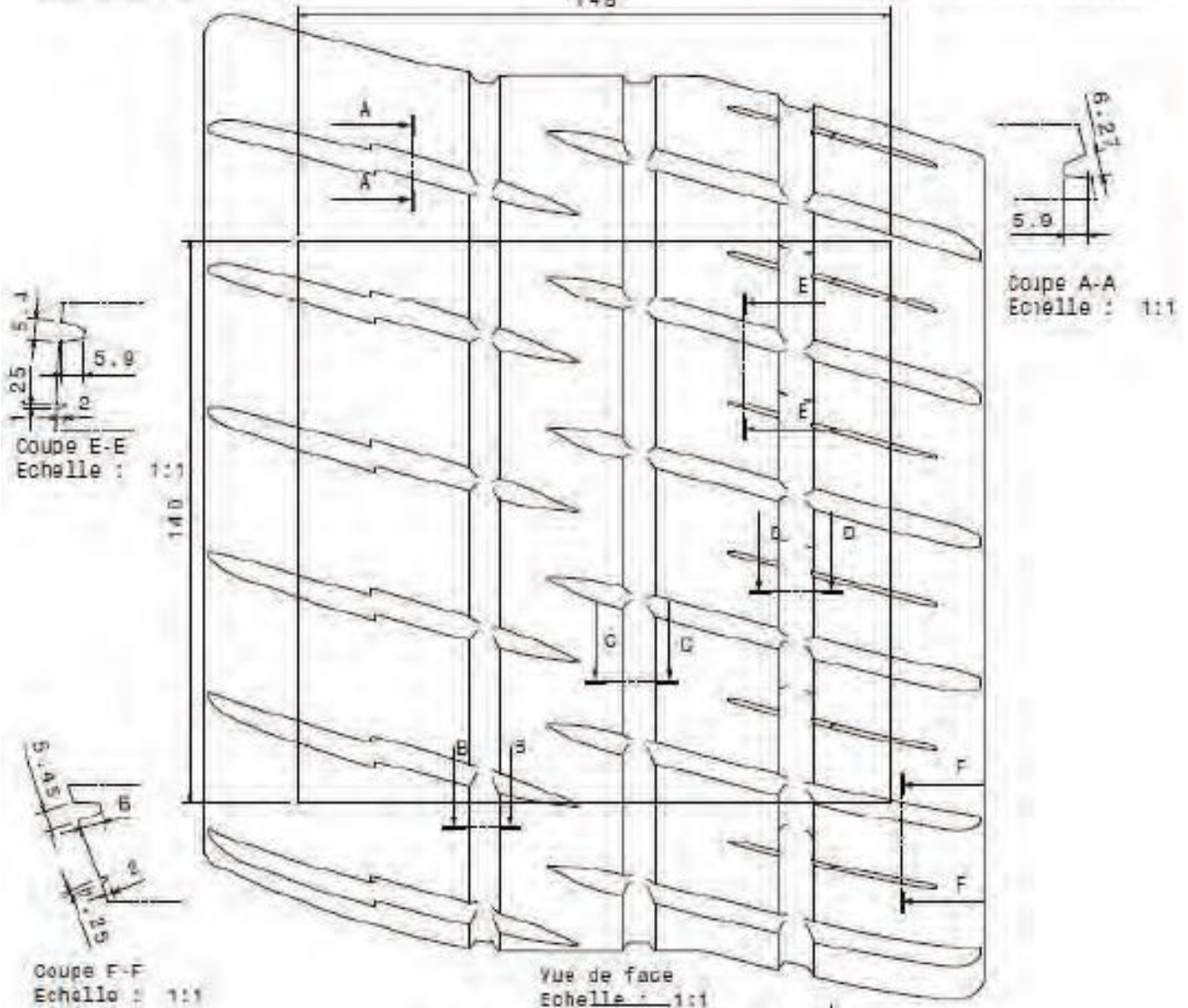
Domaine : Rallye Asphalte Wet
 Dimension : 19 / 63 - 17
 Plan de la sculpture : Pilot Sport A MW1
 Entaillement superficiel dans fenêtre
 réglementaire > ou = 27.5 % avec les entailles > 1.8 mm de
 profondeur comme avec les entailles > 5.5 mm de profondeur.



Clermont-Ferrand le 18/09/2019

Côté Extérieur véhicule

Côté Intérieur véhicule



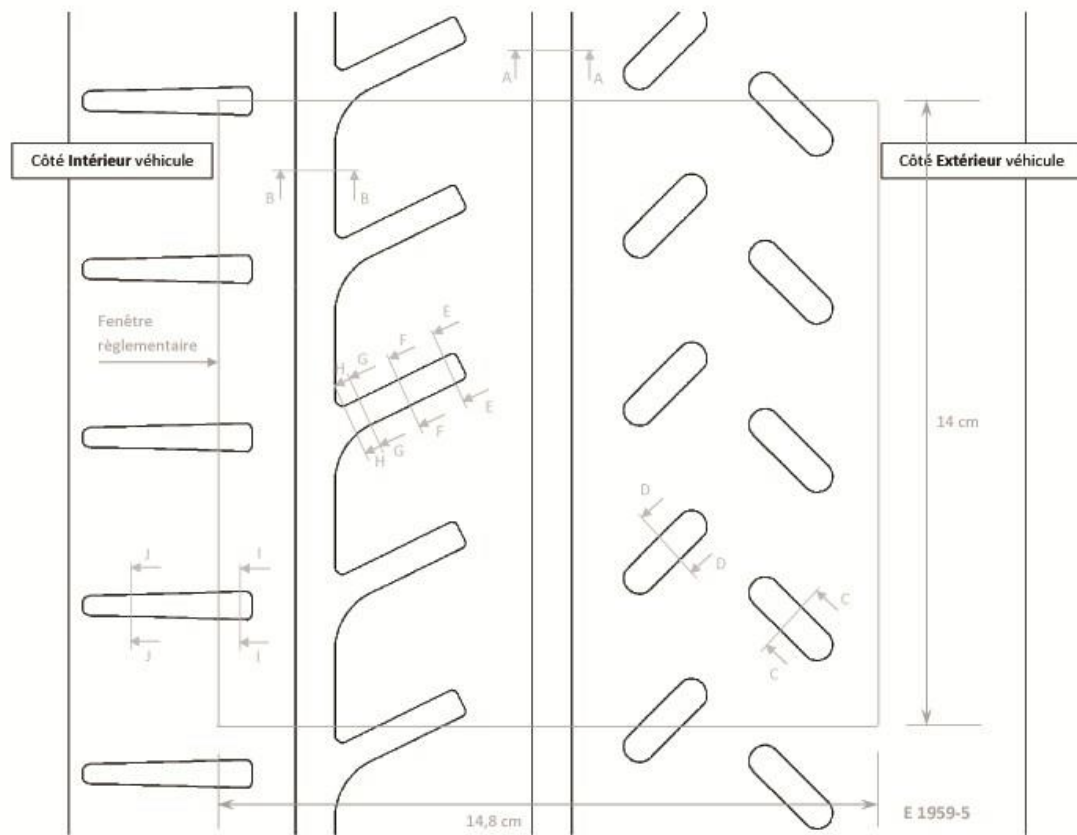
MANUFACTURE FRANCAISE DES PNEUMATIQUES
 MICHELIN CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE SANS
 NOTRE ACCORD ECRIT

16" - 19/60-16

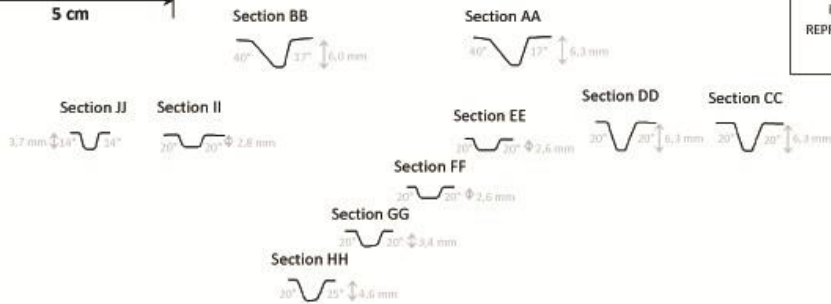


Domaine : Rallye Asphalte
 Dimension : 19 / 60 – 16
 Plan de la sculpture : Pilot Sport R
 Entaillement surfacique sur fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013



Echelle 1:1
 5 cm



MANUFACTURE FRANCAISE DES PNEUMATIQUES
 MICHELIN CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE SANS
 NOTRE ACCORD ECRIT

16" - 19/60-16

Domaine : Rallye Asphalte Wet

Dimension : 19 / 60 - 16

Plan de la sculpture : Pilôt Sport A MWi

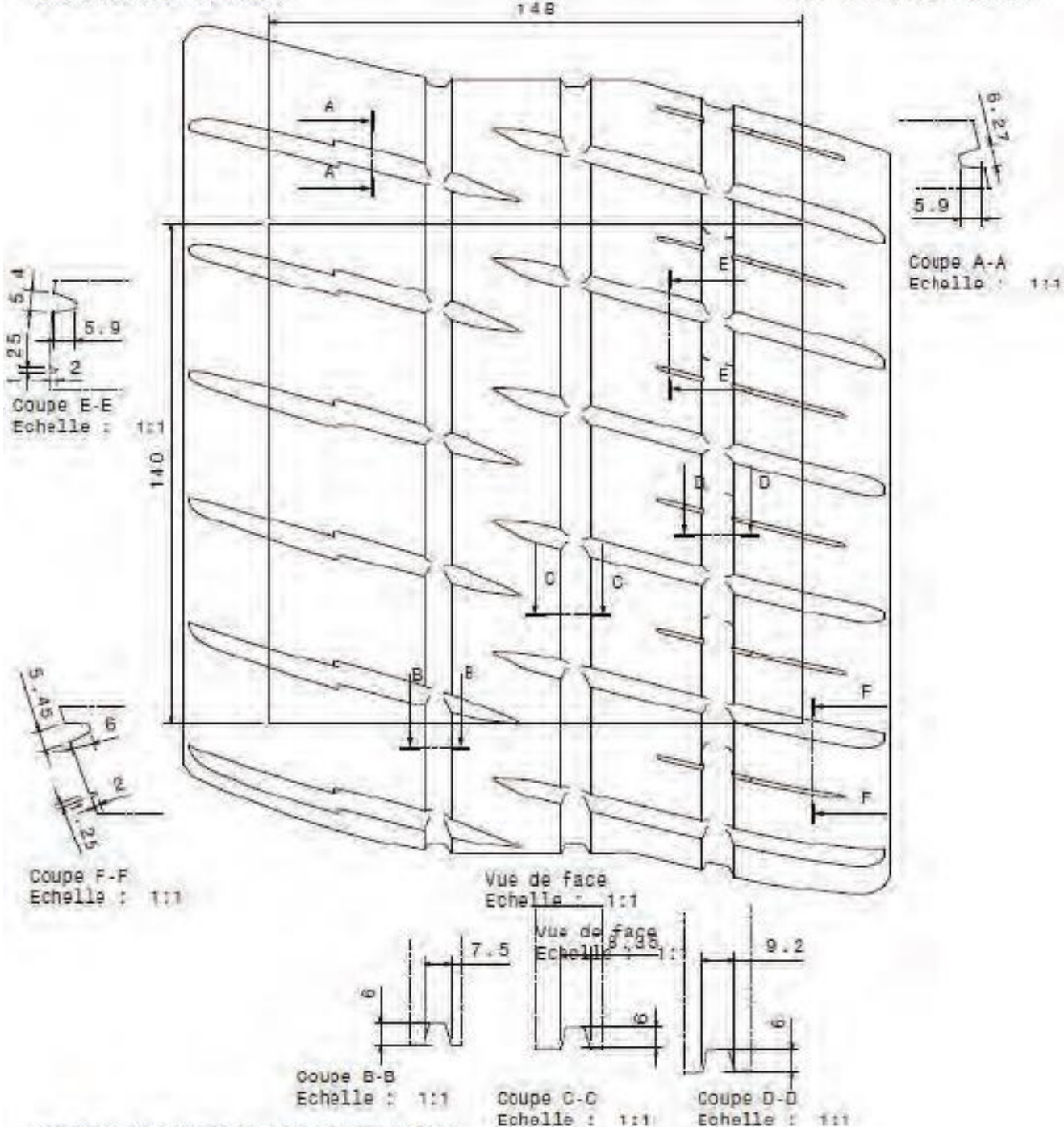
Entaillement Surfaccique dans fenêtrage réglementaire > ou = 27.5 % avec les entailles > 1.8 mm de profondeur comme avec les entailles > 5.5 mm de profondeur.



Clermont-Ferrand le 23/09/2019

Côté Extérieur véhicule

Côté Intérieur véhicule



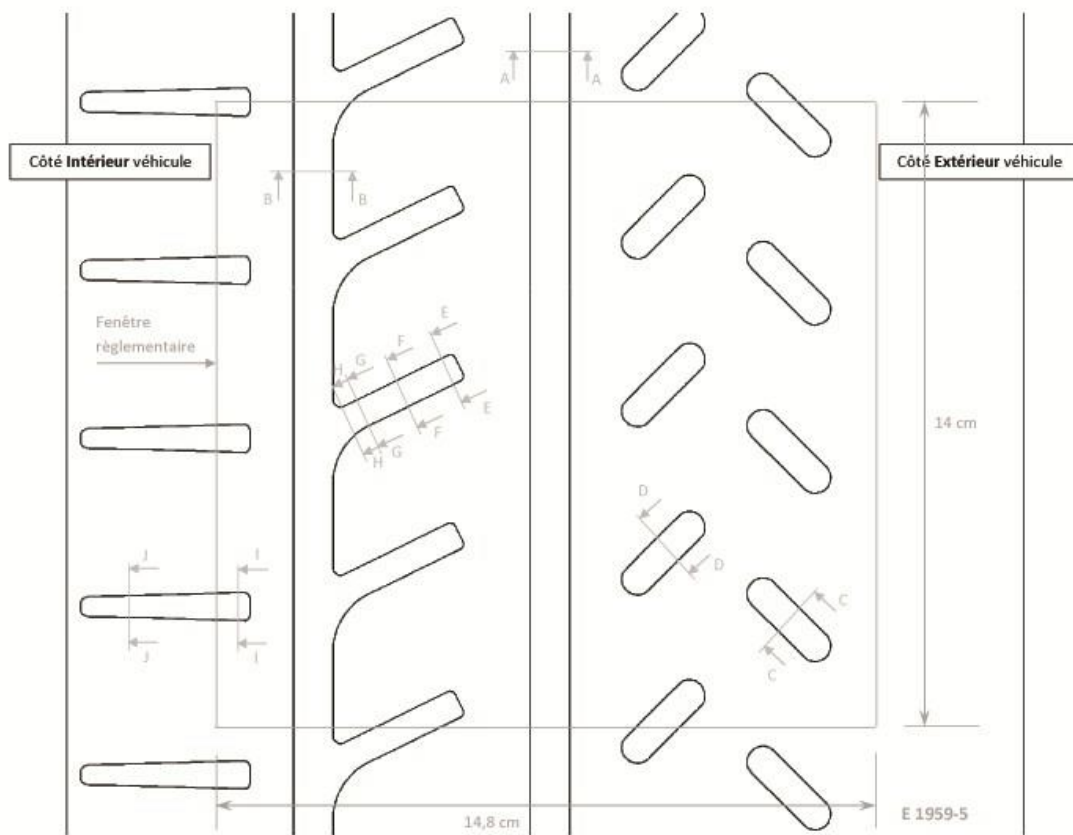
MANUFACTURE FRANCAISE DES PNEUMATIQUES
 MICHELIN CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE SANS
 NOTRE ACCORD ECRIT

15" - 19/58-15

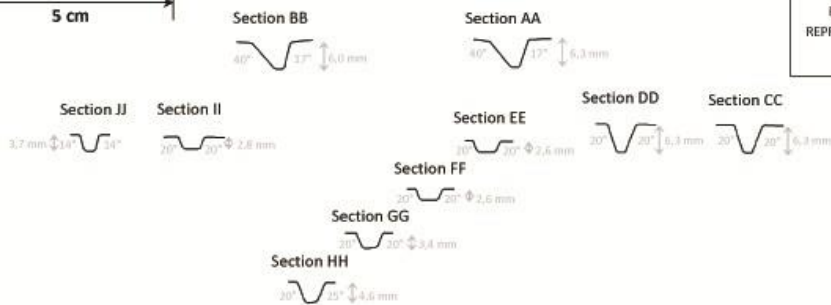


Domaine : Rallye Asphalte
 Dimension : 19 / 58 – 15
 Plan de la sculpture : Pilot Sport R
 Entaillement surfacique sur fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013



Echelle 1:1
 5 cm



MANUFACTURE FRANCAISE DES PNEUMATIQUES
 MICHELIN CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE SANS
 NOTRE ACCORD ECRIT

RGT only - 24/65-18

Circonférentielles sont manuellement coupées.

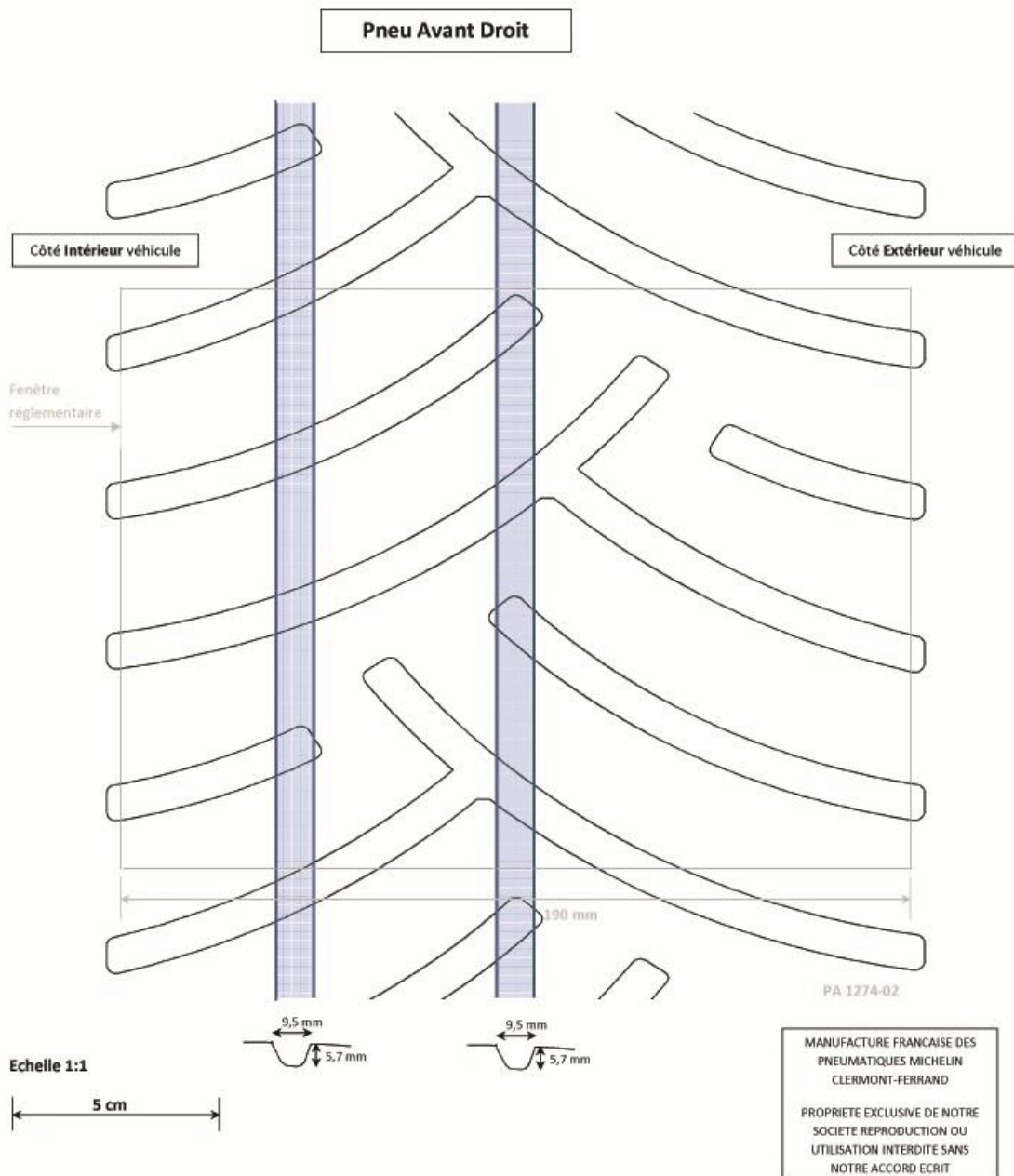


Domaine : Rallye Asphalte

Dimension : 24 / 65 - 18

Entaillement surfacique sur une fenêtre de 190 mm de large : 32,8 %

Clermont-Ferrand le 18/12/2013



RGT only - 24/65-18

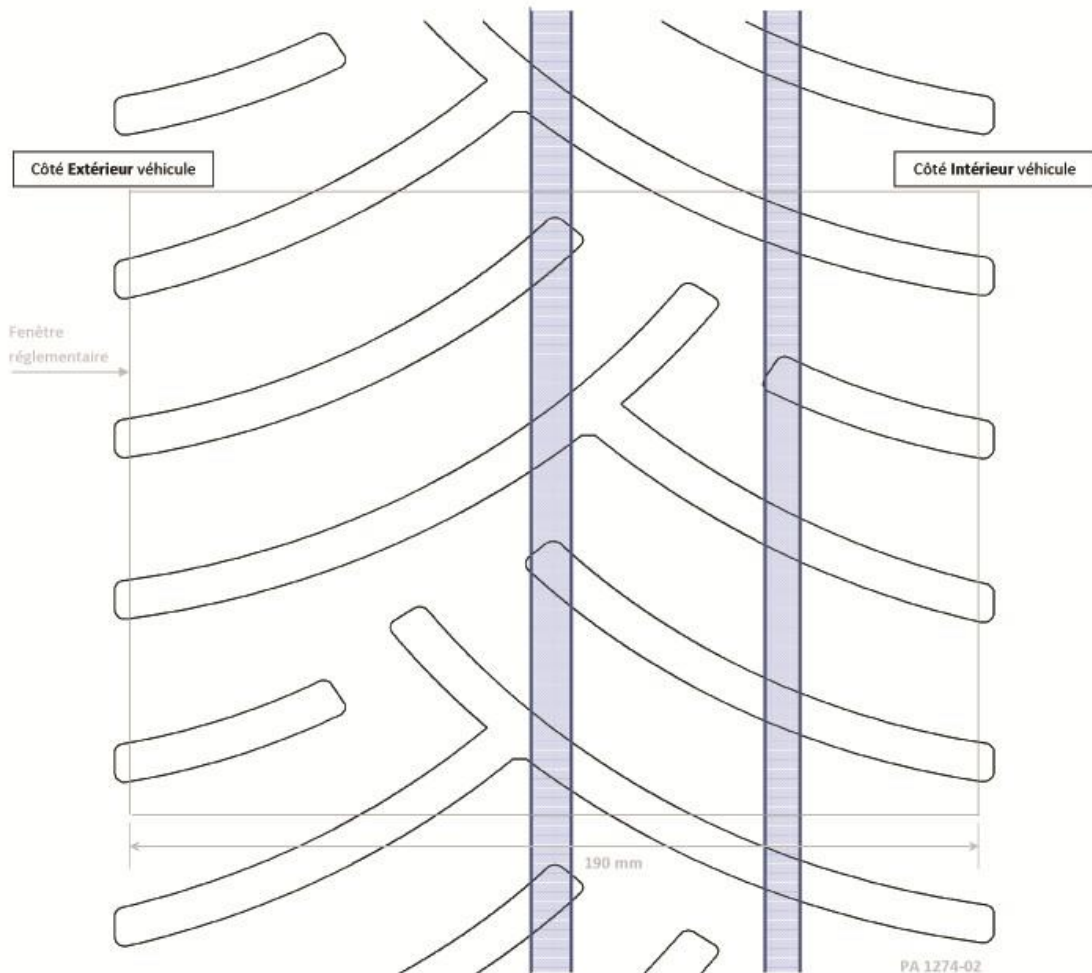
Circonférentielles sont manuellement coupées.



Domaine : Rallye Asphalte
Dimension : 24 / 65 - 18
Entaillement surfacique global : 32,8 %

Clermont-Ferrand le 18/12/2013

Pneu Avant Gauche



Echelle 1:1



MANUFACTURE FRANCAISE DES
PNEUMATIQUES MICHELIN
CLERMONT-FERRAND

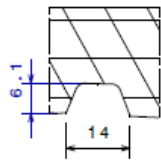
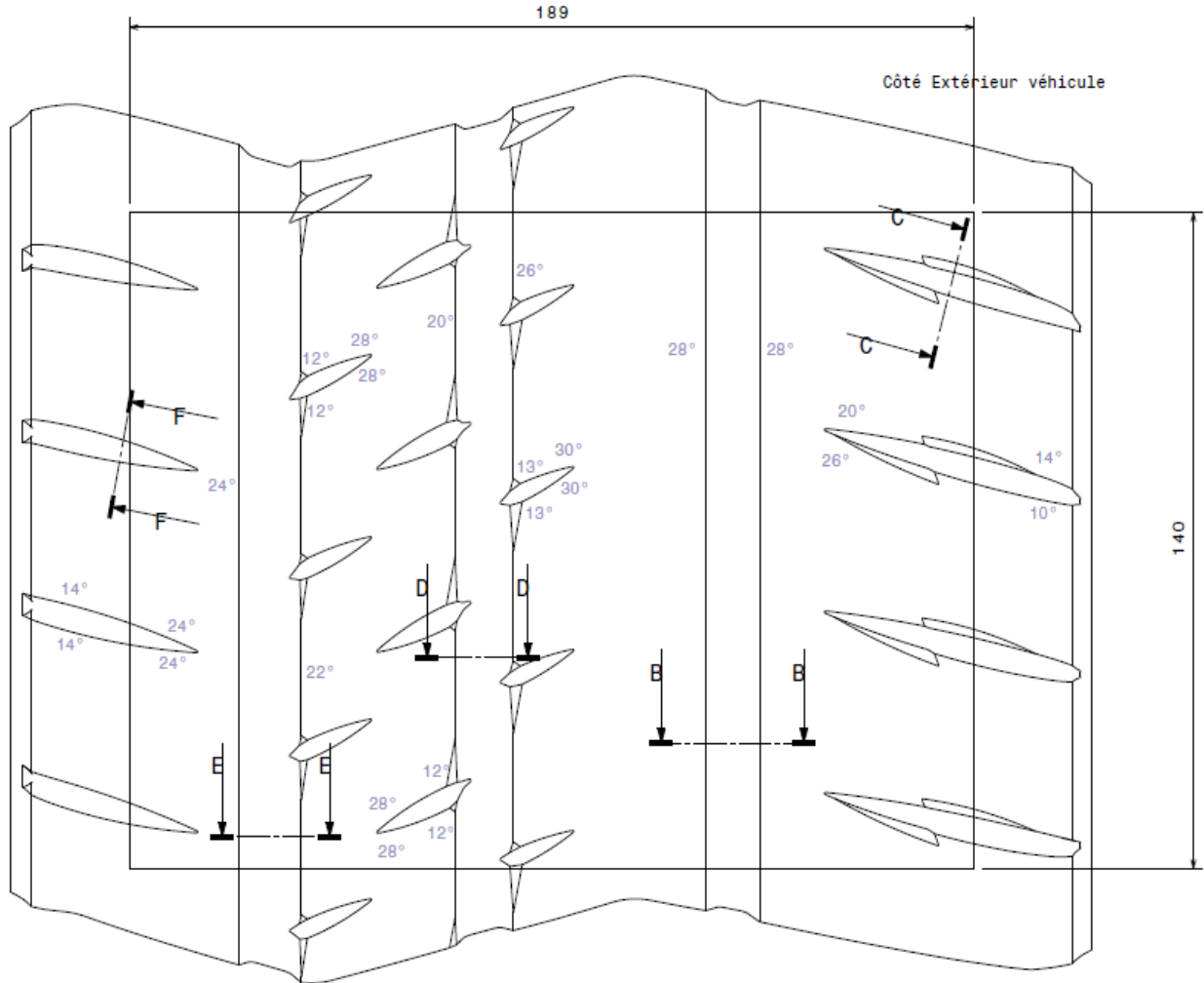
PROPRIETE EXCLUSIVE DE NOTRE
SOCIETE REPRODUCTION OU
UTILISATION INTERDITE SANS
NOTRE ACCORD ECRIT

RGT only - 24/65-18

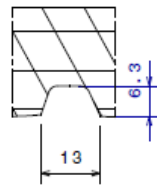


Domaine : Rallye Asphalte
 Dimension : 24/65 R18
 Plan de la sculpture : Pilot Sport R
 Entaillement Surfaccique dans fenetre règlementaire : 21.7 % à 1.8 mm d'usure
 : 17 % à 5.5 mm d'usure

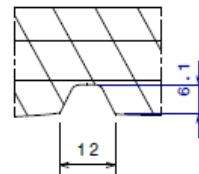
Clermont-Ferrand le 28/02/2018



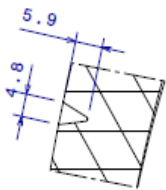
Coupe E-E



Coupe D-D

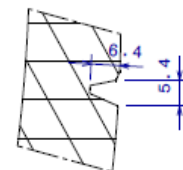


Coupe B-B



Coupe F-F

MANUFACTURE FRANCAISE DES PNEUMATIQUES
 MICHELIN CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE
 SANS NOTRE ACCORD ECRIT



Coupe C-C

RGT only - 29/65-18

Circonférentielles sont coupées à la main.

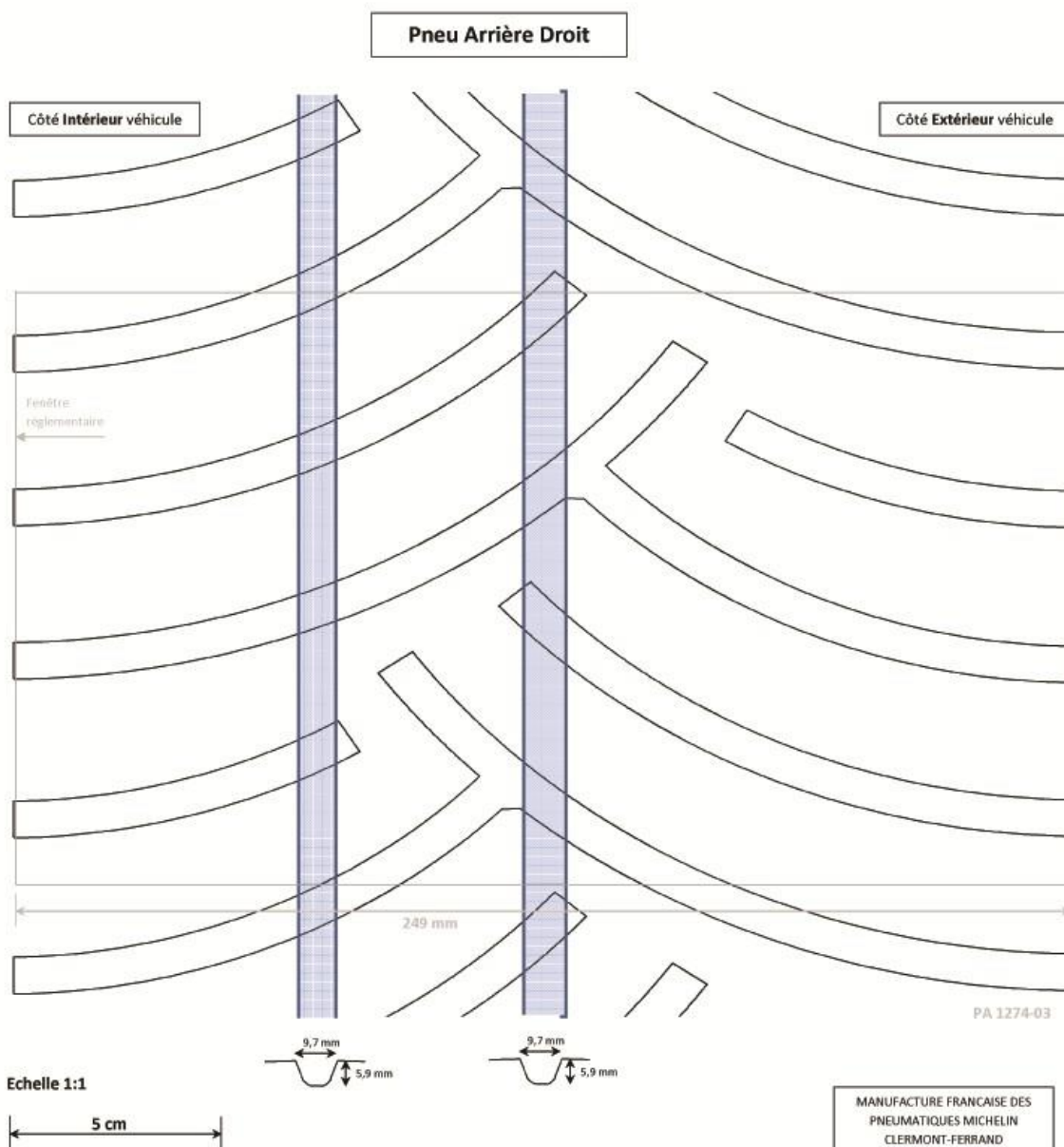


Domaine : Rallye Asphalte

Dimension : 29 / 65 - 18

Entaillement surfacique sur fenêtre de 249 mm de large : 31 %

Clermont-Ferrand le 18/12/2013



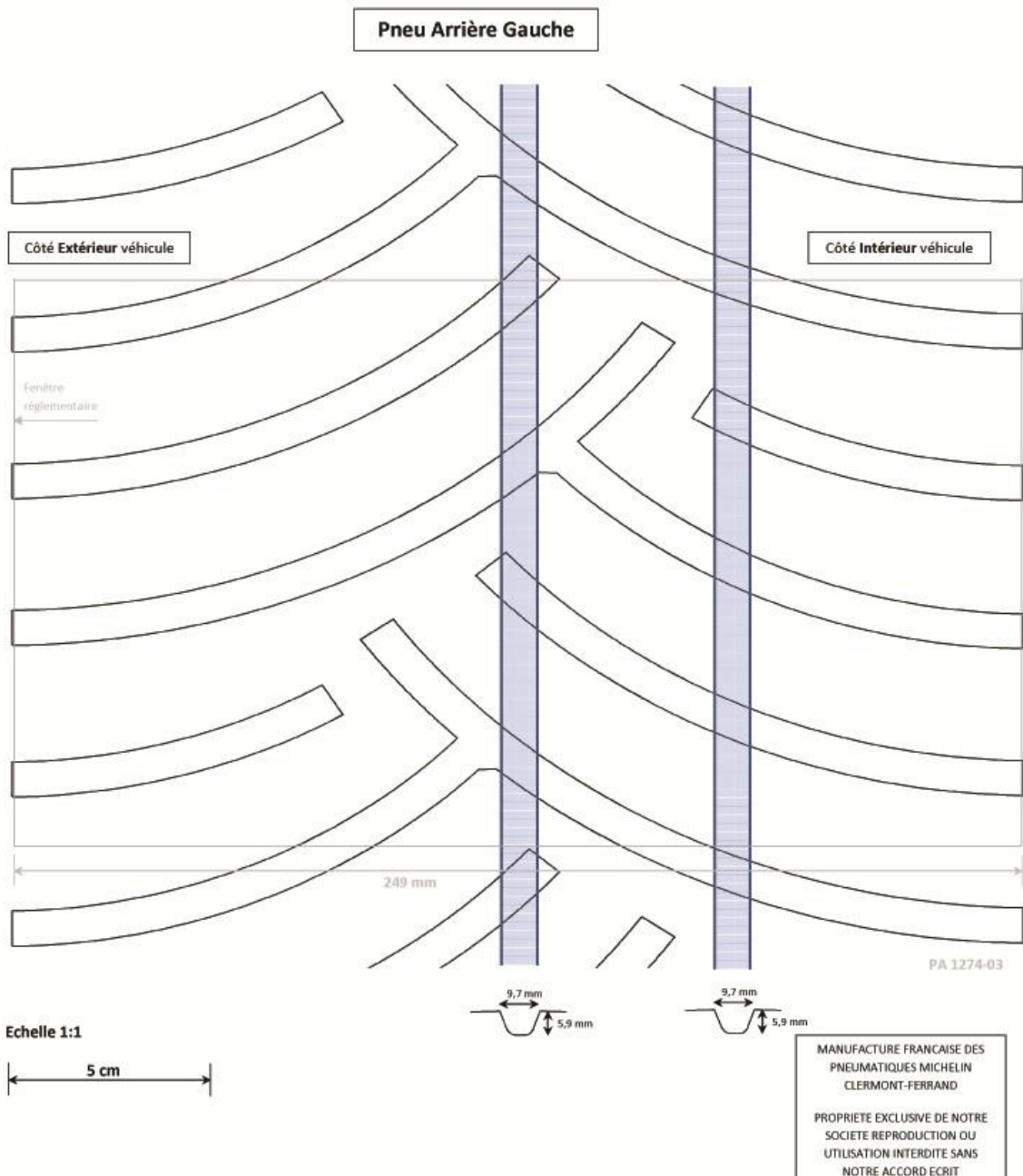
RGT only - 29/65-18

Circonférentielles sont coupées à la main.



Domaine : Rallye Asphalte
Dimension : 29 / 65 - 18
Entaillement surfacique sur fenêtre de 249 mm de large : 31 %

Clermont-Ferrand le 18/12/2013

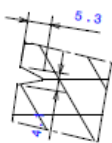
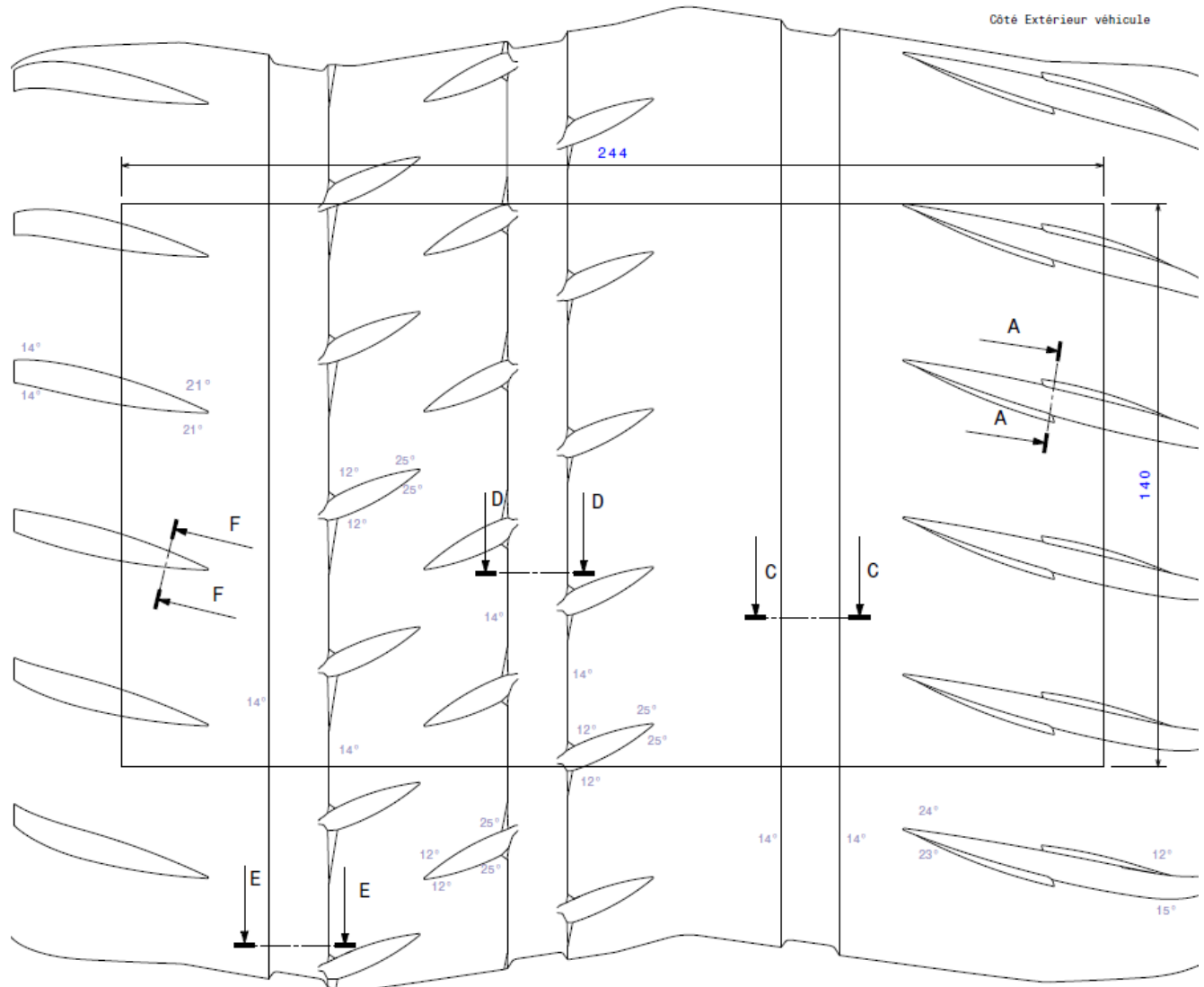


RGT only - 29/65-18

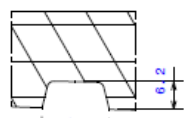


Domaine : Rallye Asphalte
 Dimension : 29/65 R18
 Plan de la sculpture : Pilot Sport R
 Entaillement Surfaccique dans fenêtre réglementaire : 22.6 % à 1.8 mm d'usure
 : 19.2 % à 5.5 mm d'usure

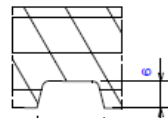
Clermont-Ferrand le 28/02/2018



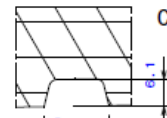
Coupe F-F



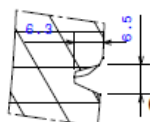
Coupe E-E



Coupe D-D

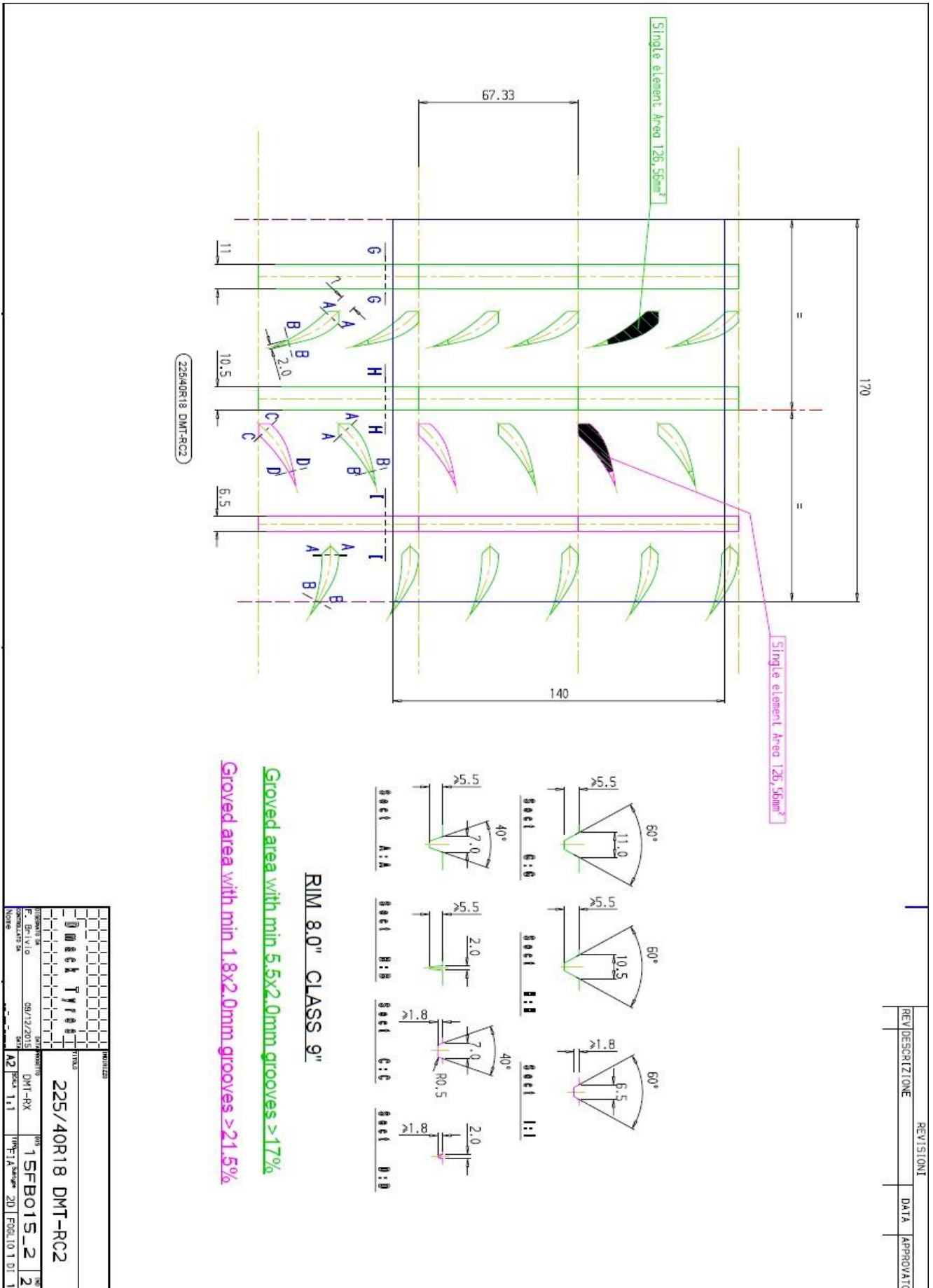


Coupe C-C



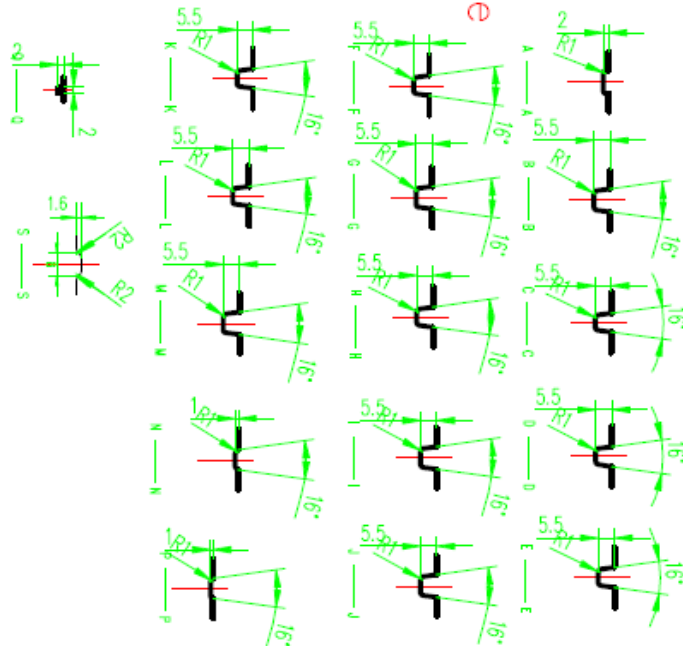
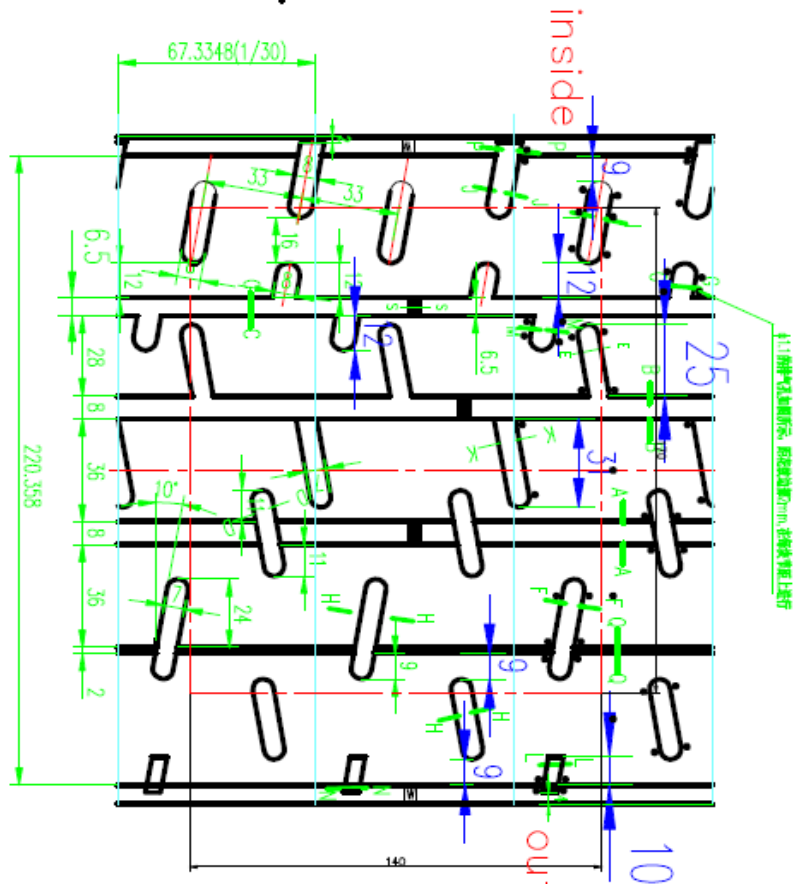
Coupe A-A

MANUFACTURE FRANCAISE DES PNEUMATIQUES MICHELIN
 CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE SANS
 NOTRE ACCORD ECRIT



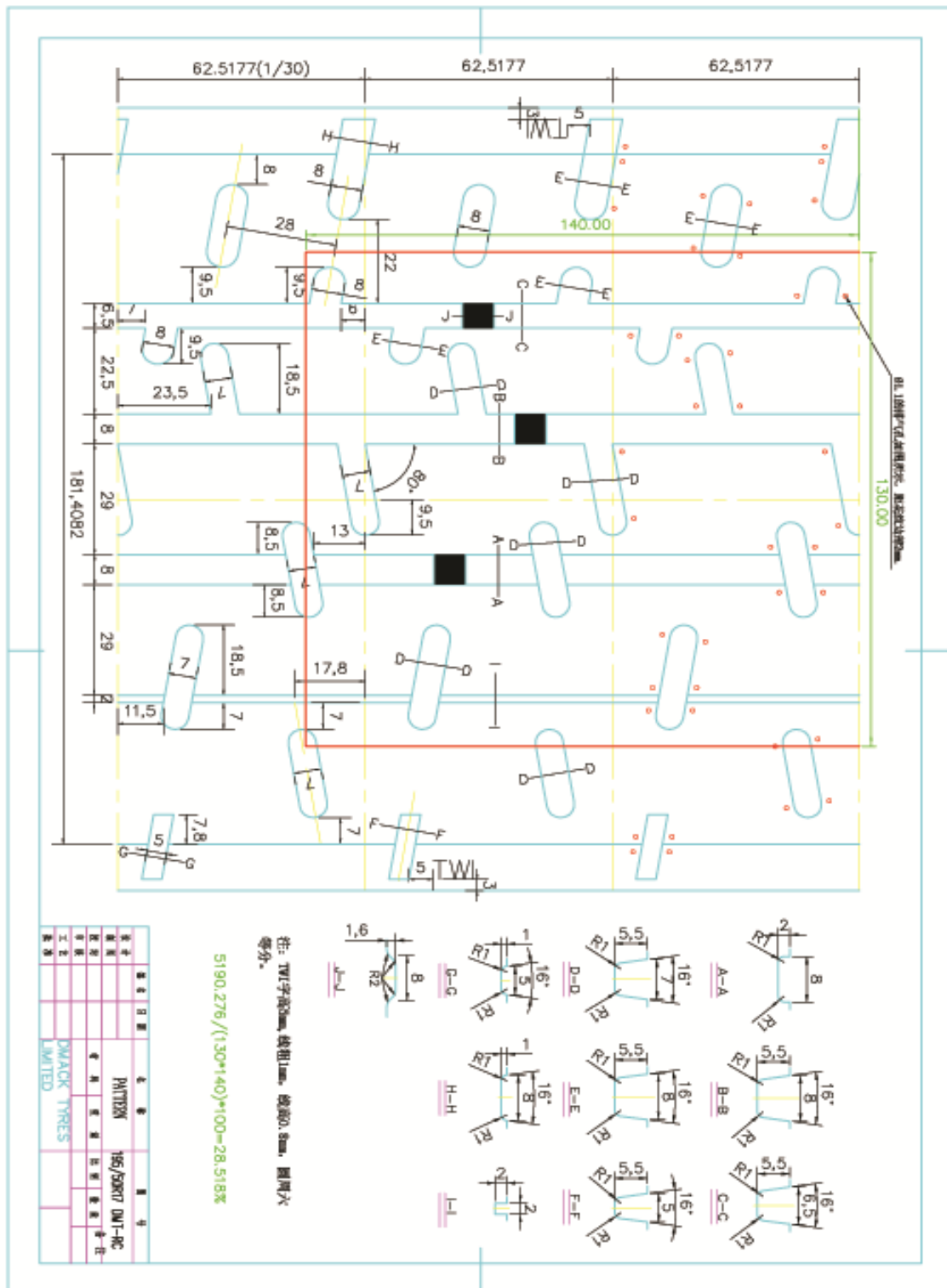
17" - 225/45-17

GROOVES SURFACE AREA=5707.86 mm²
 CONTROL SURFACE =23800 mm²
 5707.86/23800=23.9833%

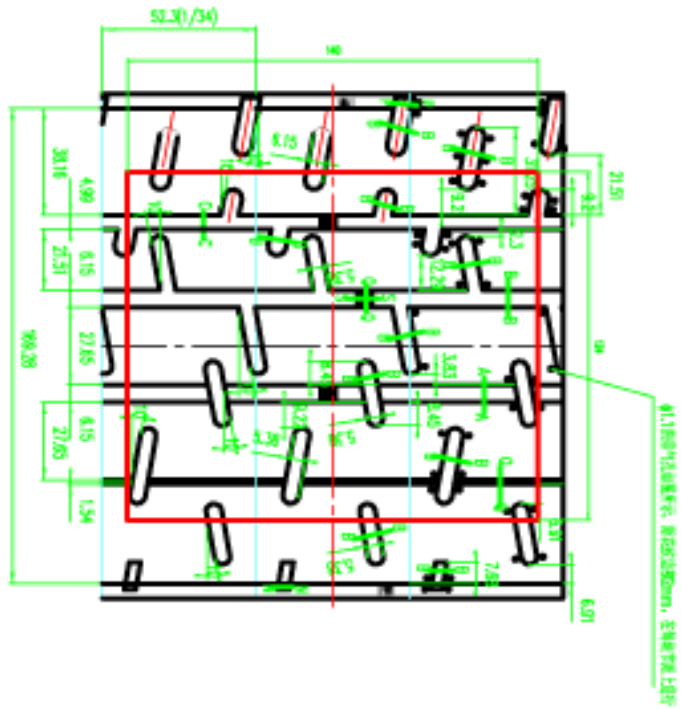


设计	制图	校对	审核	工艺	批准
签名	日期	名称	图号		
		PATTERN	225/45R17 DMT-RC		
		材料	重量	比例	数量
					备注
Dmack Tyre Ltd					

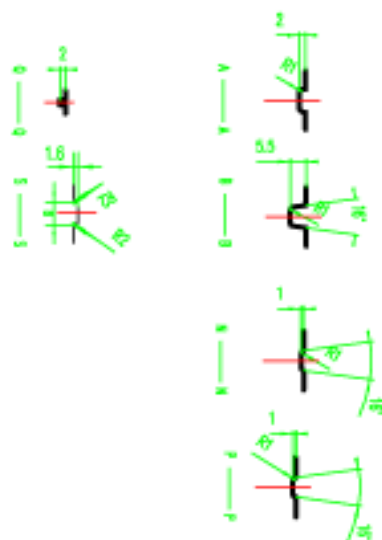
17" - 195/50-17



14" - 175/60-14



注: TWI字高3mm, 线粗1mm, 线高0.8mm, 圆周六等分



GROOVES SURFACE AREA=4292.808;
CONTROL SURFACE 17360;
4292.808/17360=24.728%

设计	审核	日期	名称	规格
			TREAD	175/60R14 DMT-RC
校核			材料	重量
审核			比例	重量
工艺				
批准				

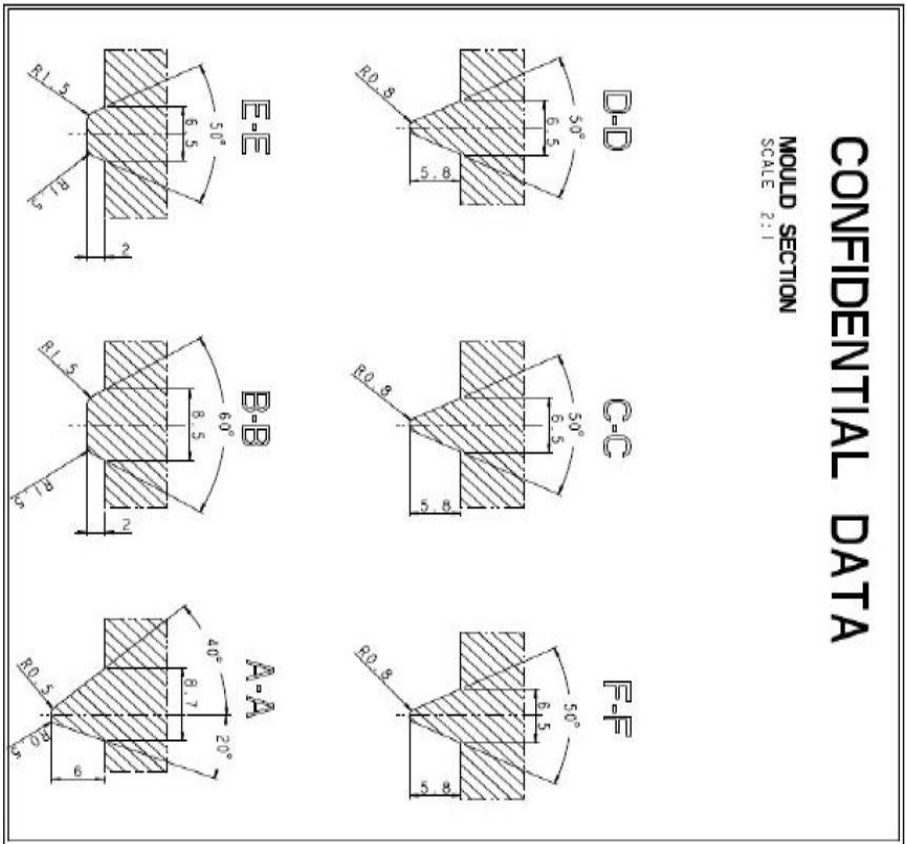
DMACK TYRES LTD



17" - 205/45 - 17

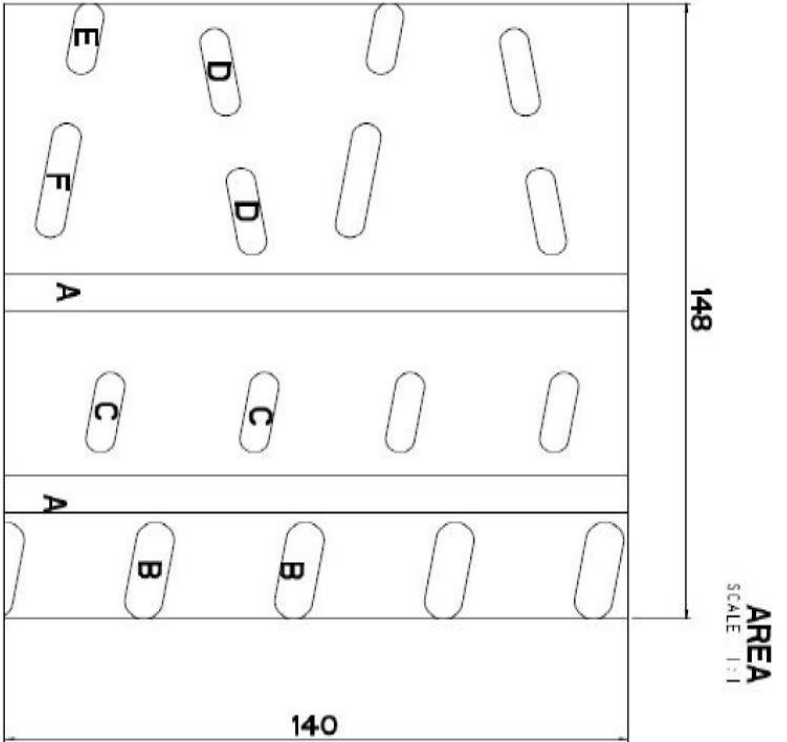
CONFIDENTIAL DATA

MOULD SECTION
SCALE 2:1



SUP. EMPTY DEPTH > 5.5 > 17%
 SUP. EMPTY DEPTH > 18 > 215%
 The sum of the width of the grooves encountered by a radial line is > 16mm
 The total width of circumferential lines is > 12mm

CLASS 8"
RIM 7"



AREA
SCALE 1:1

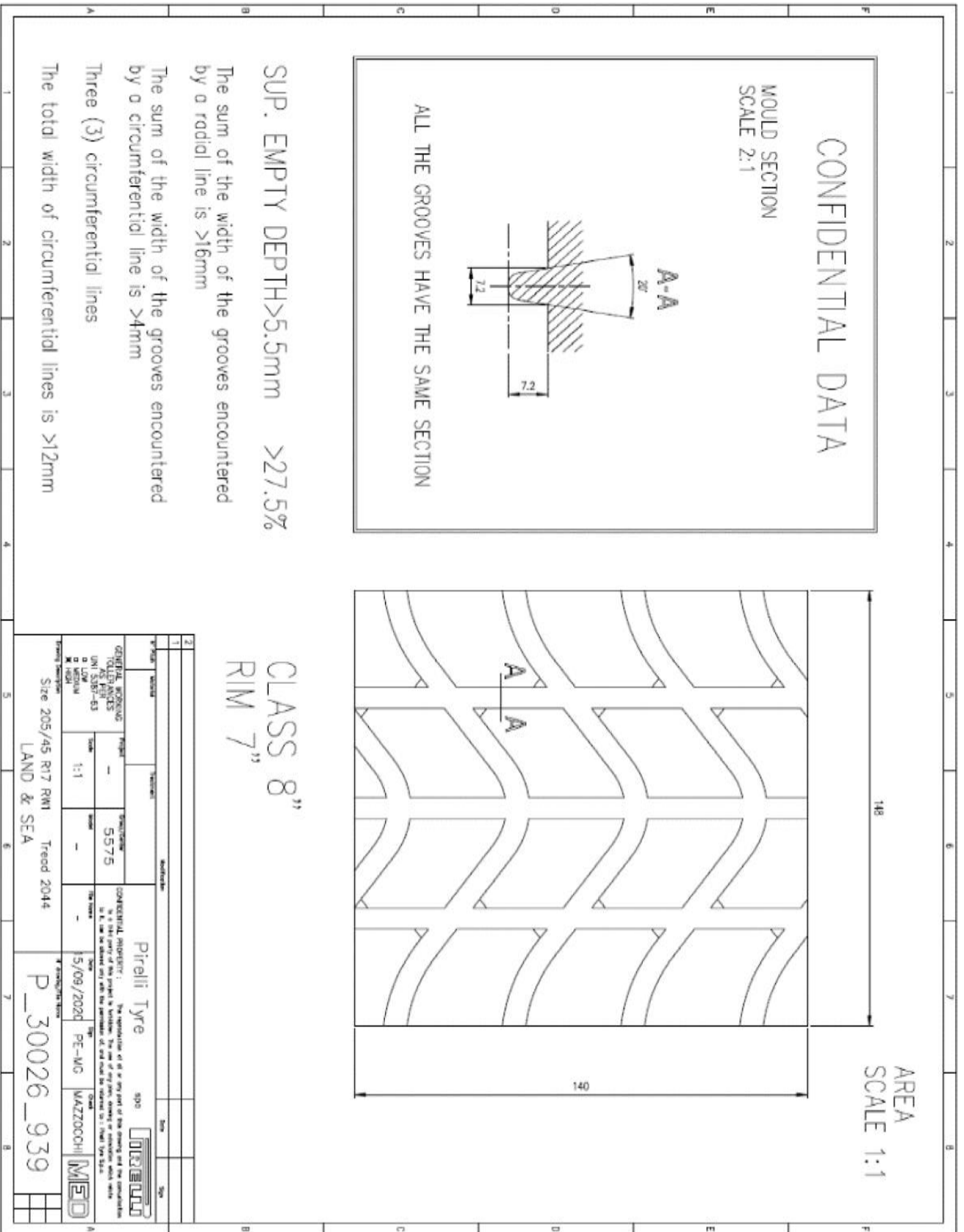
NO	DESCRIPTION	DATE	SIGNATURE
1	DESIGN		
2	PRODUCTION		
3	TESTING		
4	REVISION		

MOULD SECTION	Project	Material	Modification	Date	Sign
DATE: 19/03/2014	5575				
DRAWN: 1:1	PIRELLI				
REVISION: 19/03/2014	MAZUCCHI				

Size: 205/45-17 RK	Tread: 1838
LAHD & SEA	
P_300004_292	

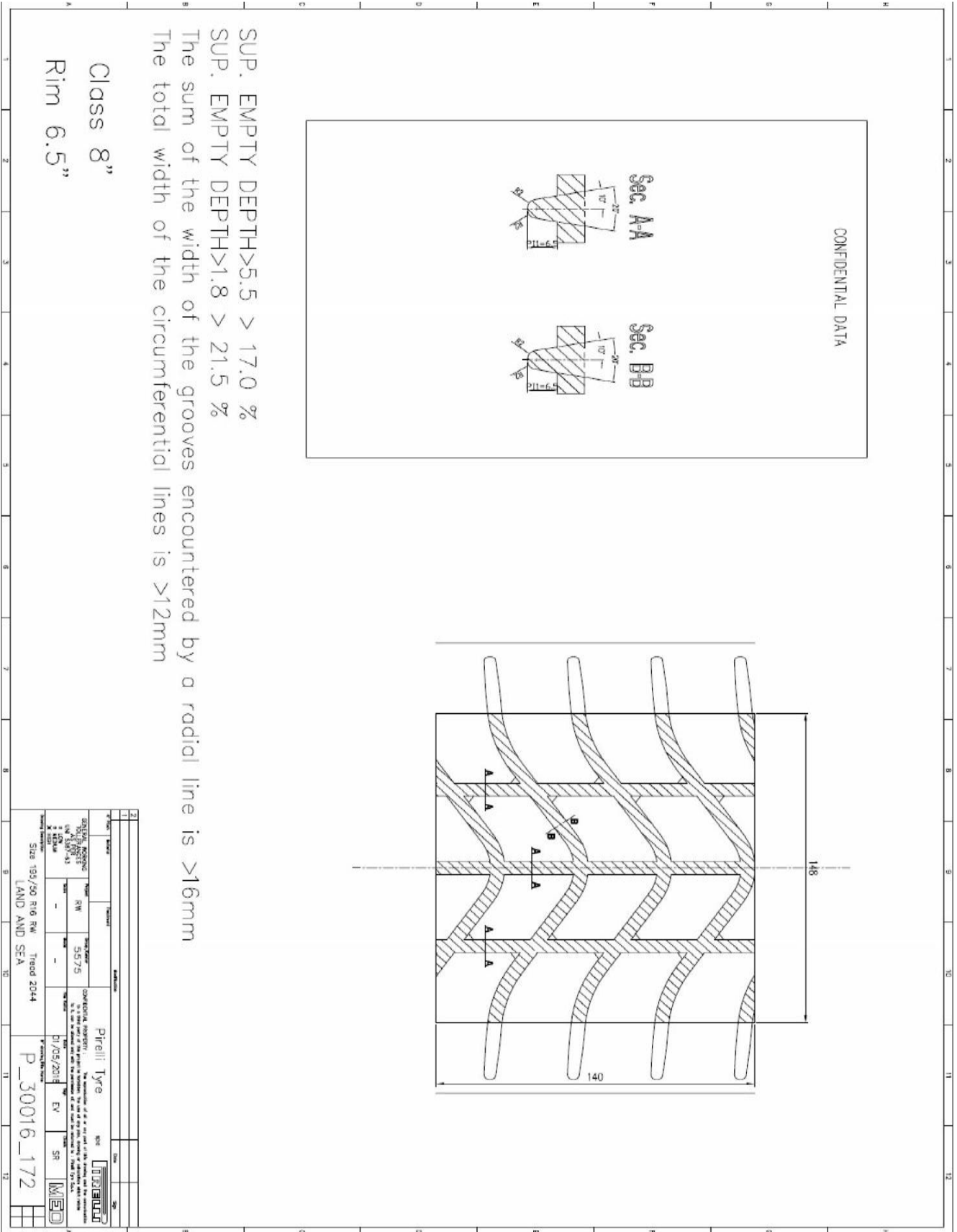


17" - 205/45 - 17

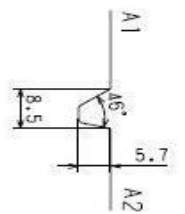
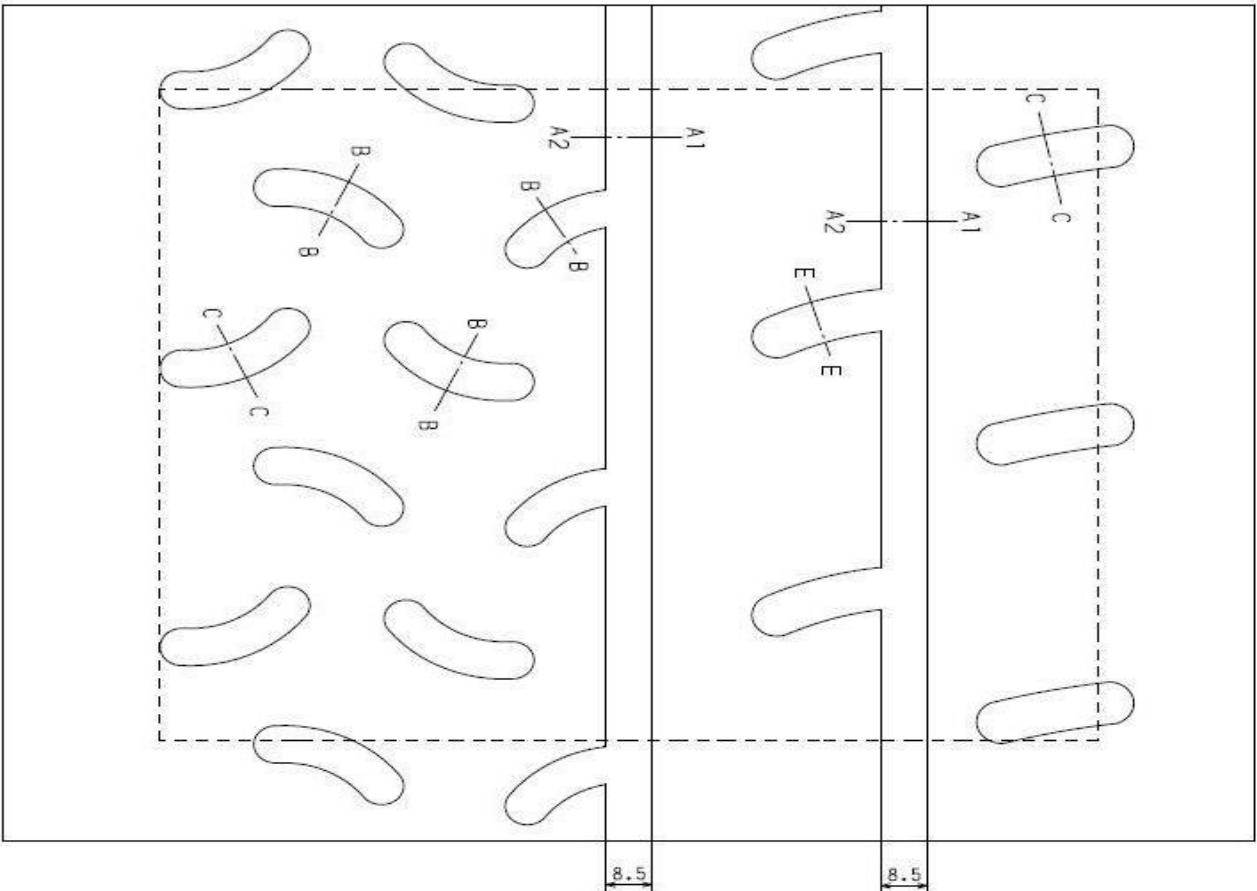




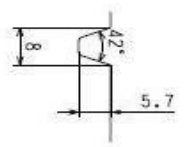
16" - 195/50-16



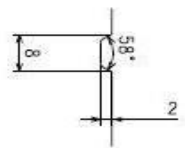
18" - 235/40-18



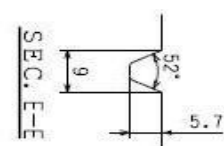
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

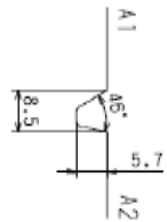
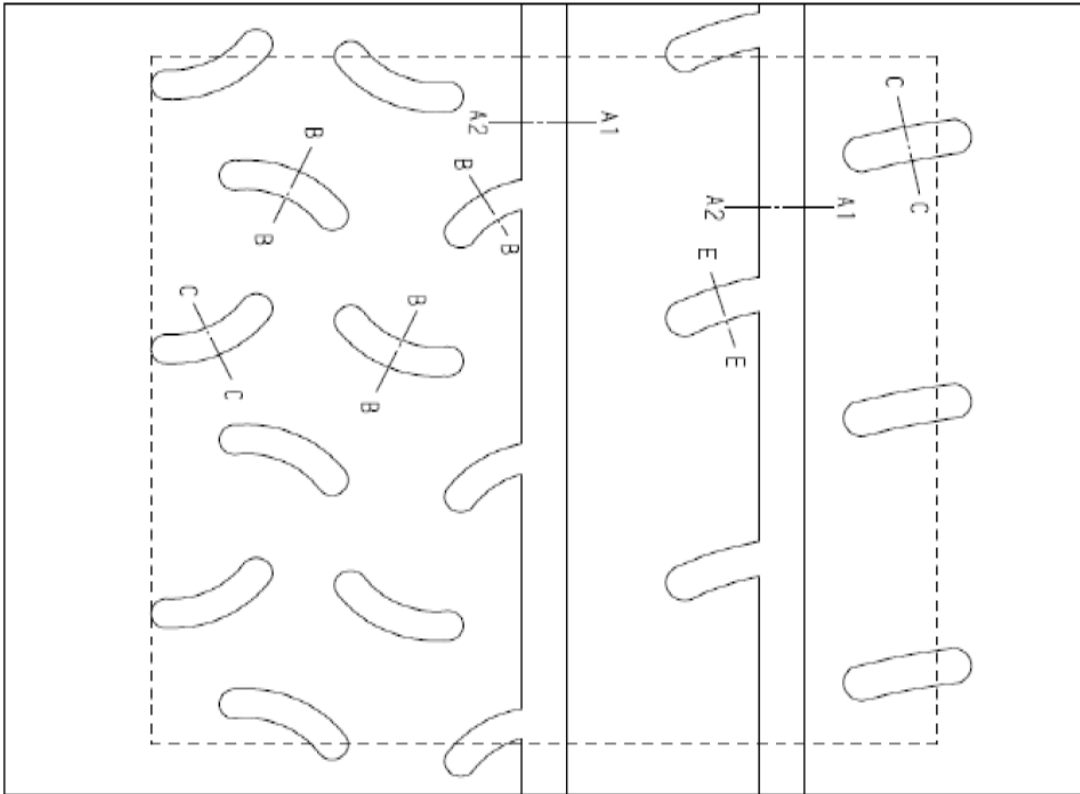
In the control area
 5.5mm grooves-18.1%
 Total grooves-22.2%

----- Control area 170X140
 Tyre weight 9.7kg

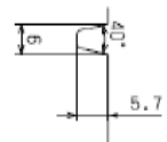
PRODUCT NAME
YOKOHAMA ADVAN AD51T

PATTERN NAME
AD51A

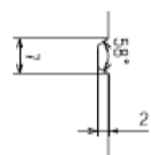
SIZE 210/650R18



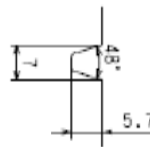
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

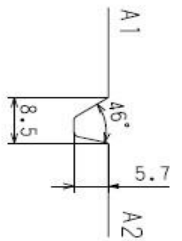
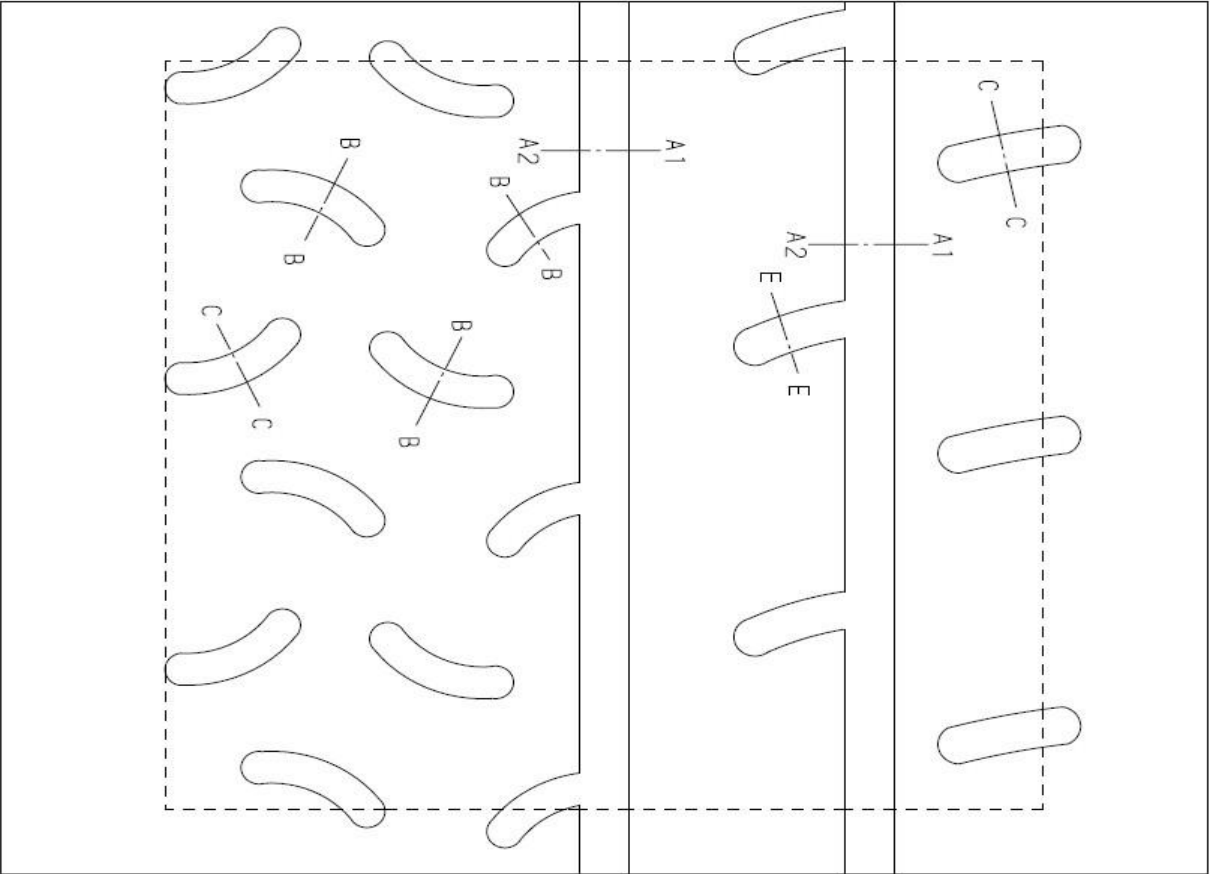
In the control area
 5.5mm grooves-17.9%
 Total grooves-21.6%

----- Control area 170X140

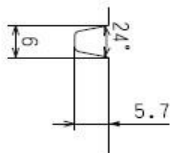
PRODUCT NAME
YOKOHAMA ADVAN AD517

PATTERN NAME
AD51A

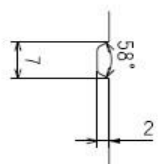
SIZE 210/625R17



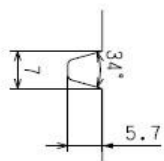
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

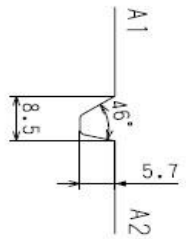
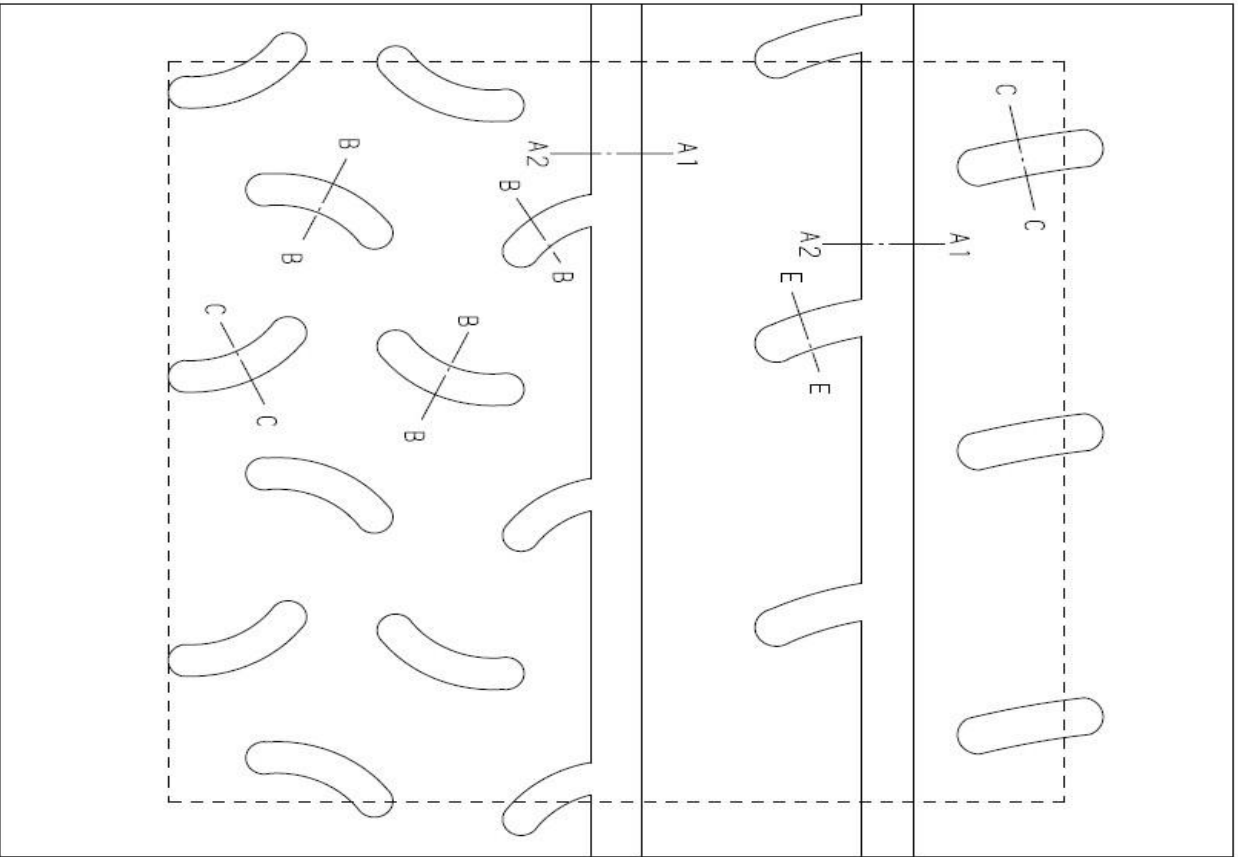
In the control area
 5.5mm grooves - 18.2%
 Total grooves - 22.0%

----- Control area 148X140

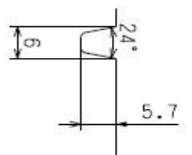
PRODUCT NAME
YOKOHAMA ADVAN A0517

PATTERN NAME
A051A

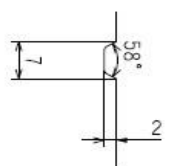
SIZE 190/625R17



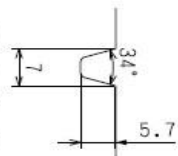
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

In the control area
5.5mm grooves-18.1%
Total grooves-21.9%

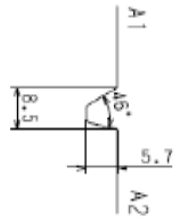
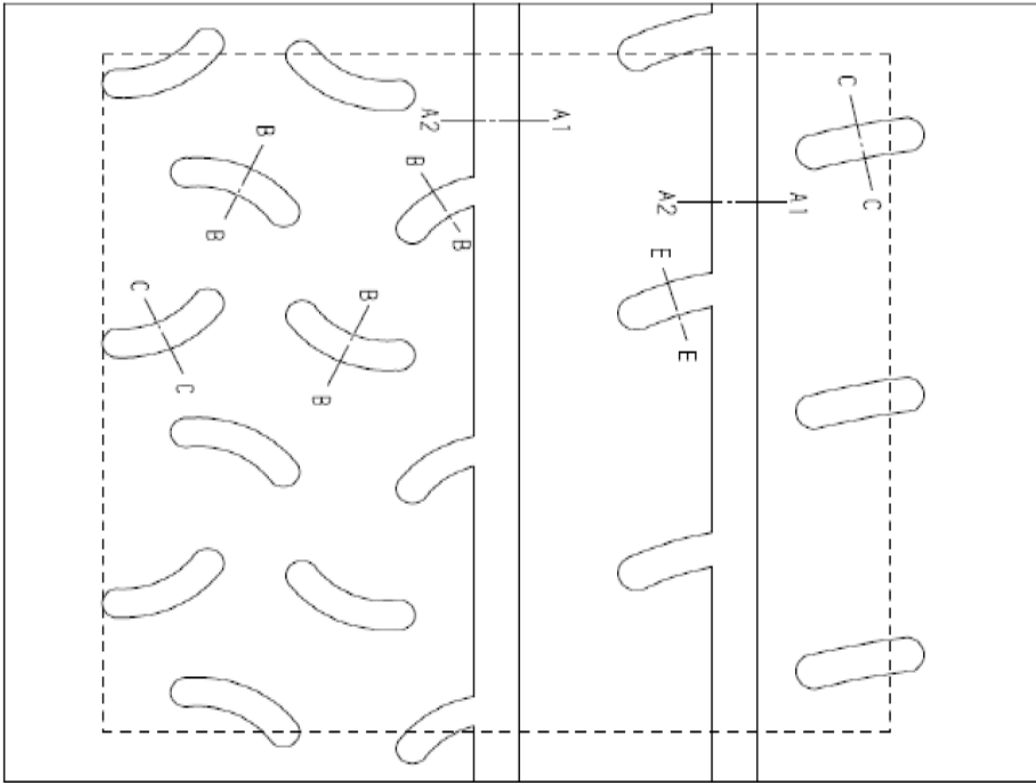
----- Control area 148X140

PRODUCT NAME
YOKOHAMA ADVAN AD51T

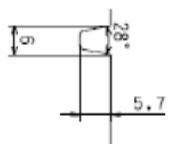
PATTERN NAME
AD51A

SIZE 190/600R16

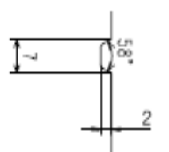
15" - 190/580-15



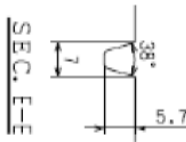
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

In the control area
 5.5mm grooves-18.2%
 Total grooves-21.6%

----- Control area 148X140

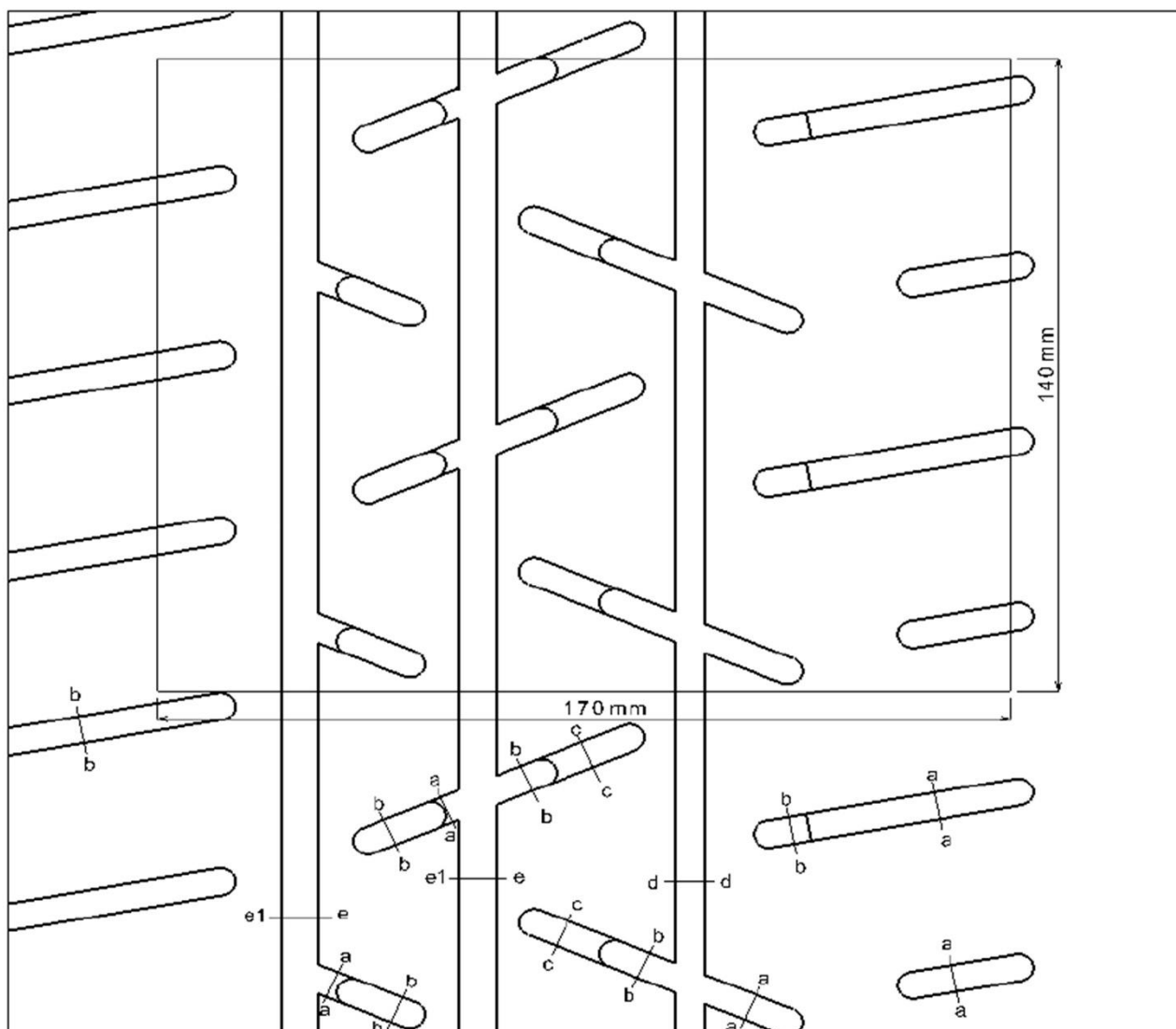
PRODUCT NAME
YOKOHAMA ADVAN A051T

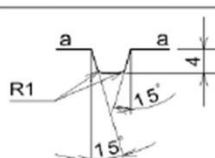
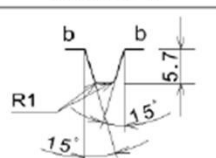
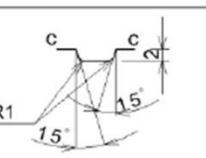

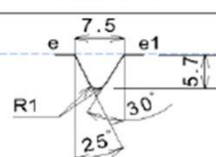
PATTERN NAME
A051A

SIZE 190/580R15

18" - 210/650R18

Product: Ventus Z205



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Class 9" (Rim 8")

Empty Depth > 5.5mm : 17.07%

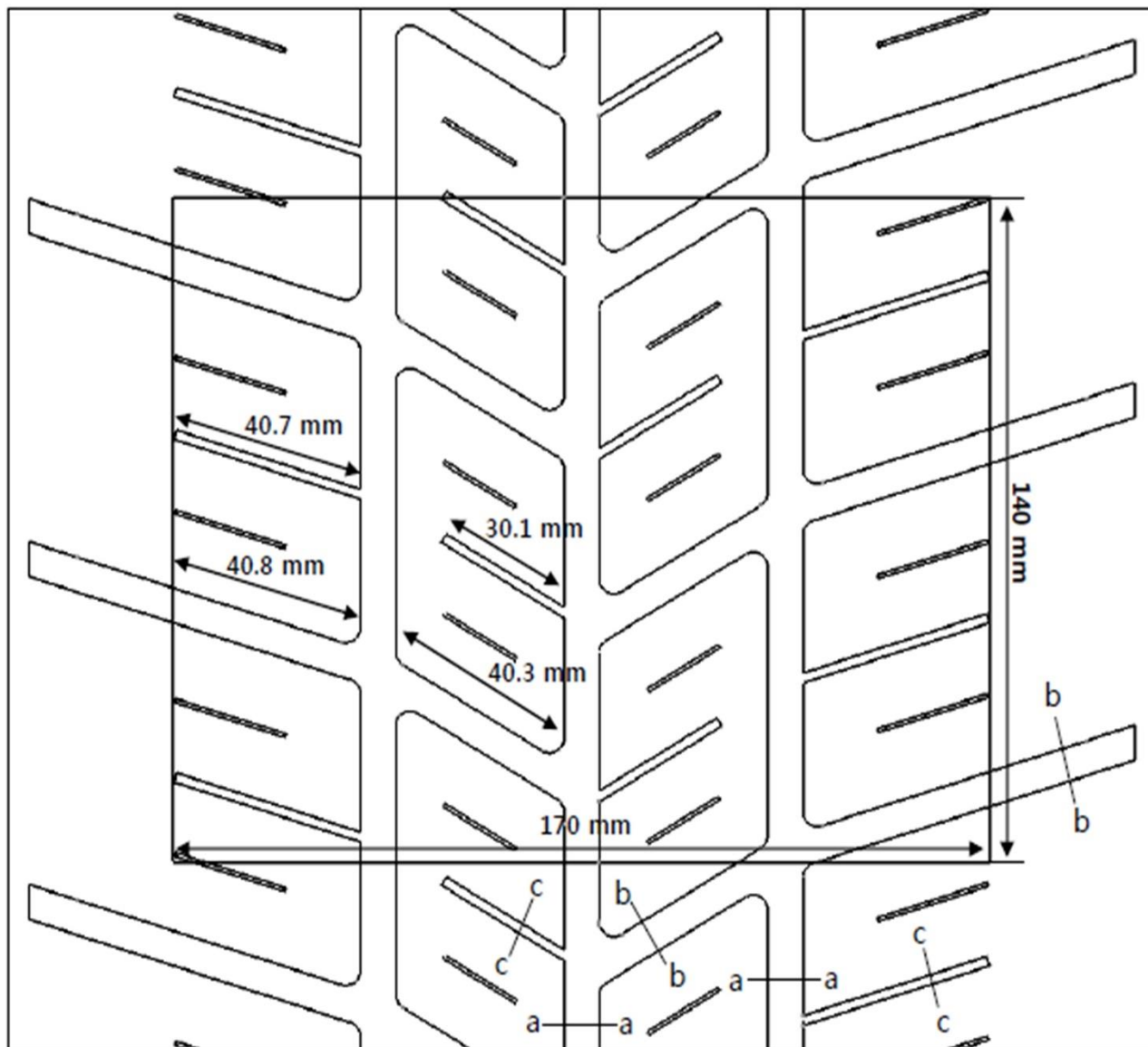
Empty Depth > 1.8mm : 23.30%

GROOVE SURFACE AREA = 554540 mm²

Control Surface = 23800 mm²

18" - 210/650R18

Product: Ventus Z210



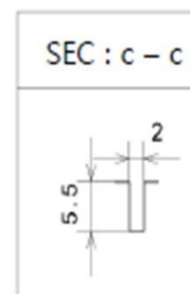
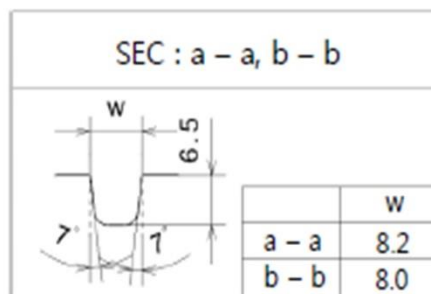
Class 9" (Rim 8")

a - a groove width / depth : 8.2 mm / 6.5 mm

b - b groove width / depth : 8.0 mm / 6.5 mm

Empty Depth > 5.5mm : 27.5%

Control Surface = 23800 mm²





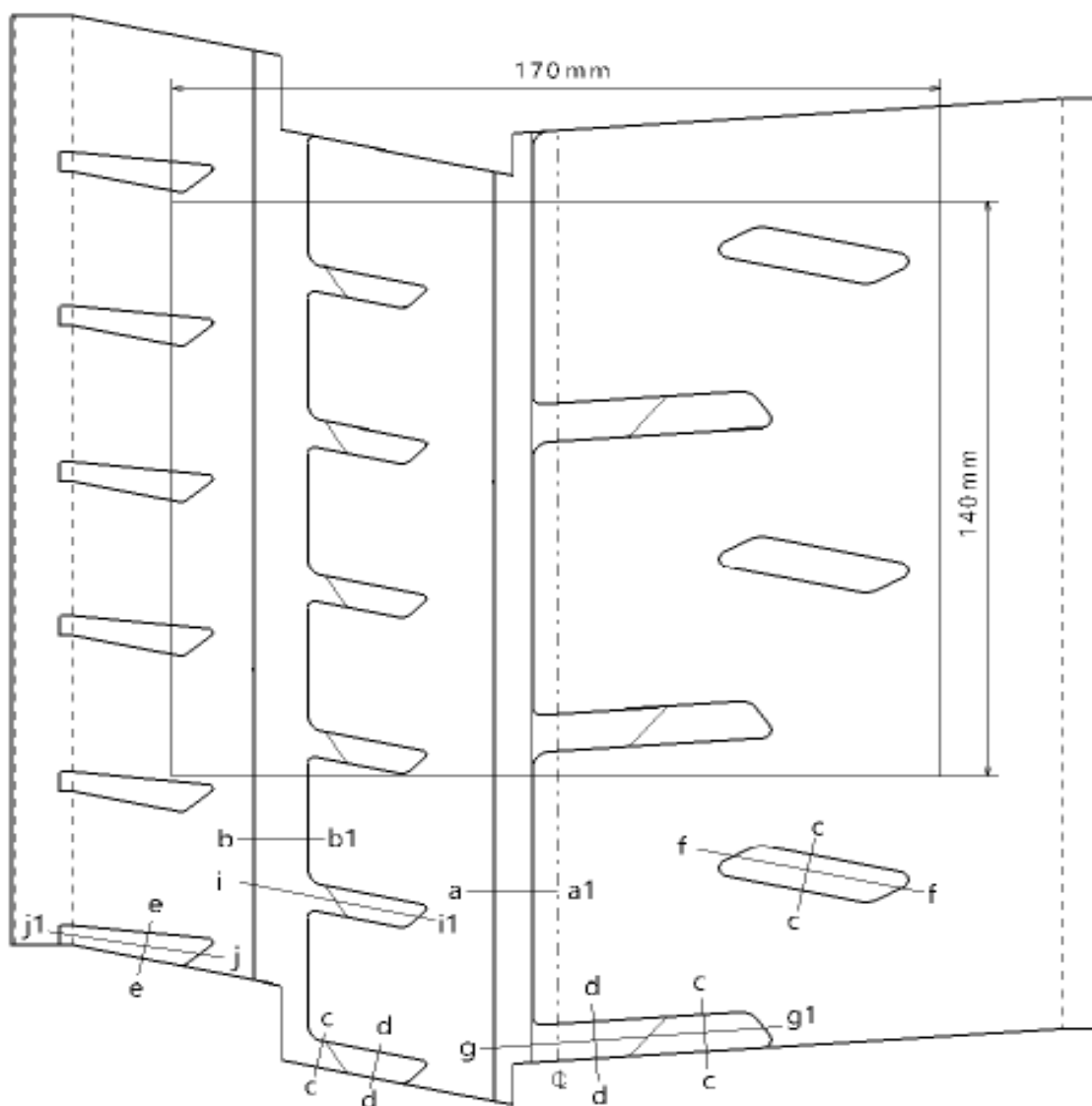
18" - 210/650R18

Product: Ventus Z215



18" - 210/650R18

Product Name : Ventus Z215



Width of Rim/Tyre Assembly : 8.5" ~ 9"

Control Surface = 23800 mm²

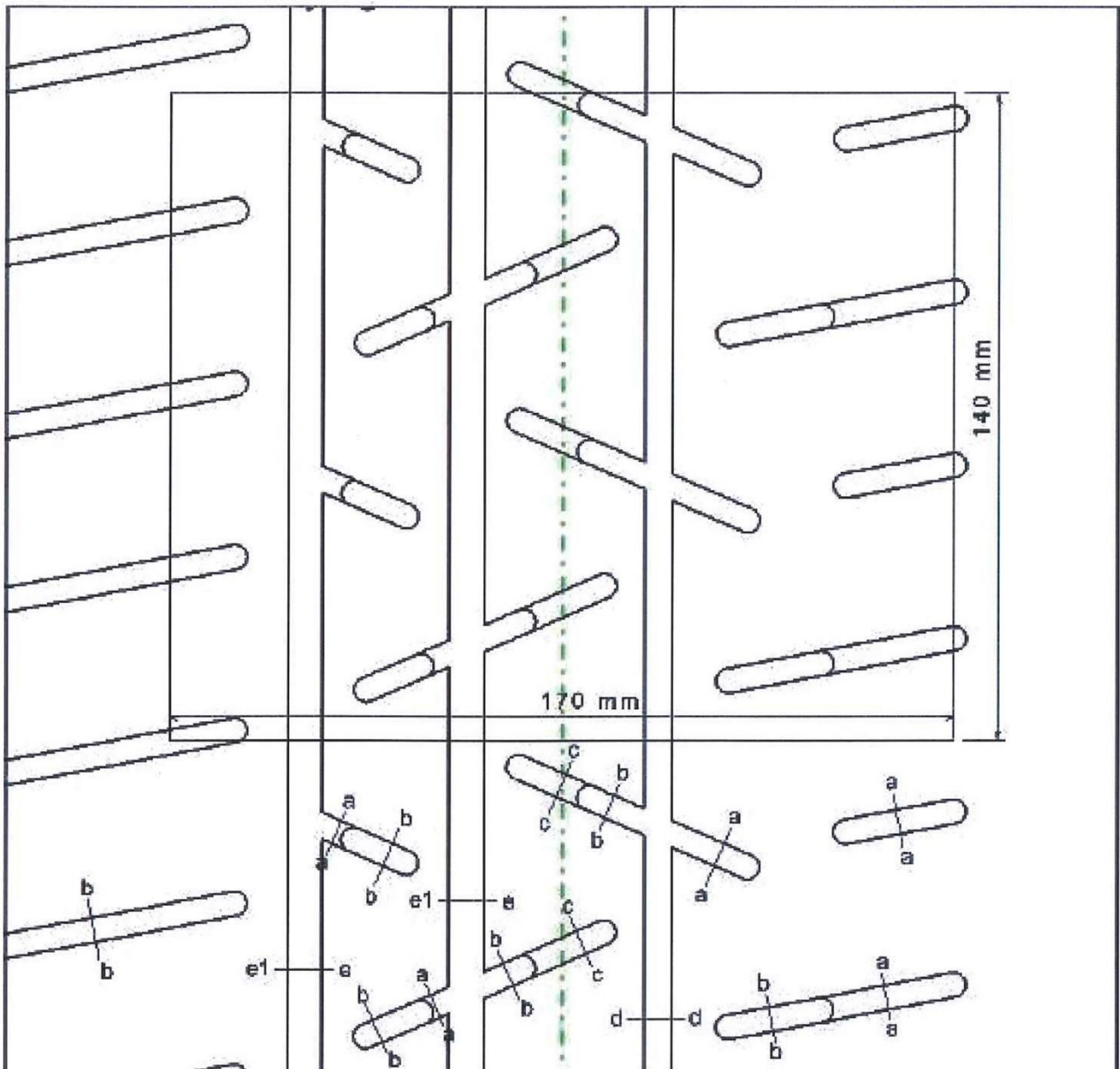
> 5.5 mm : 17.10 %

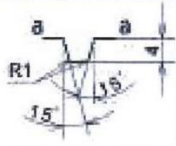
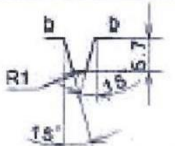
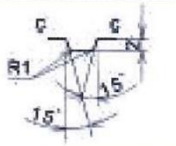
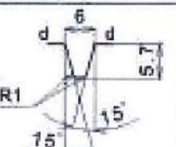
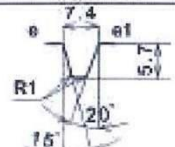
> 1.8 mm : 21.53 %

Sec. a-a1	Sec. b-b1	Sec. c-c	Sec. d-d	Sec. e-e	Sec. f-f	Sec. g-g1	Sec. i-i1	Sec. j-j1

17" - 210/625 R17

Product :Ventus Z205



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Class 9" (Rim 7.5")

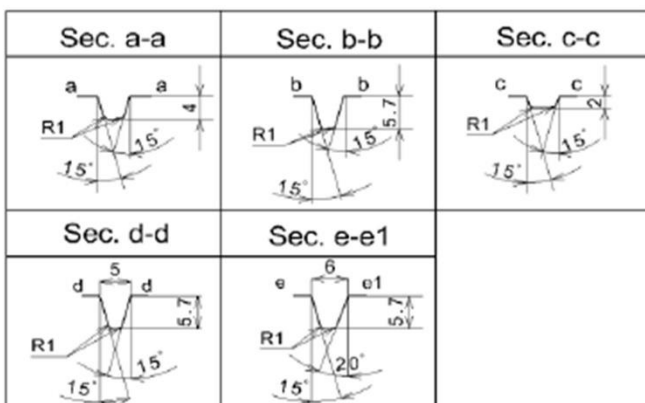
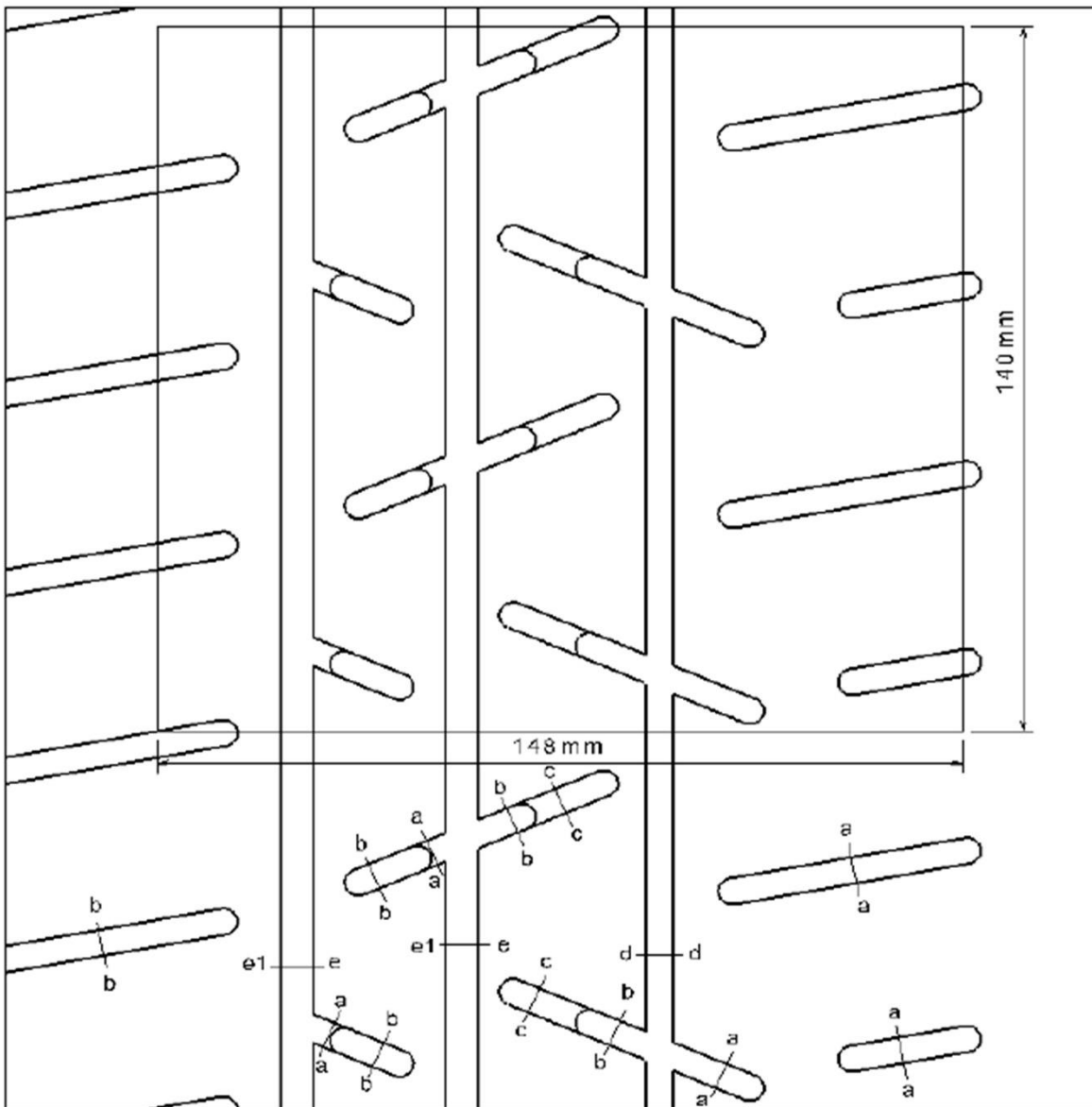
Empty Depth > 5.5mm : 17.05%

Empty Depth > 1.8mm : 25.08%

Control Surface = 23800 mm²

17" - 180/625 R17

Product :Ventus Z205



Class 8" (Rim 7")

Empty Depth > 5.5mm : 17.06%

Empty Depth > 1.8mm : 22.48%

8

GROOVE SURFACE AREA = 353483.2 mm²

Control Surface = 20720 mm²

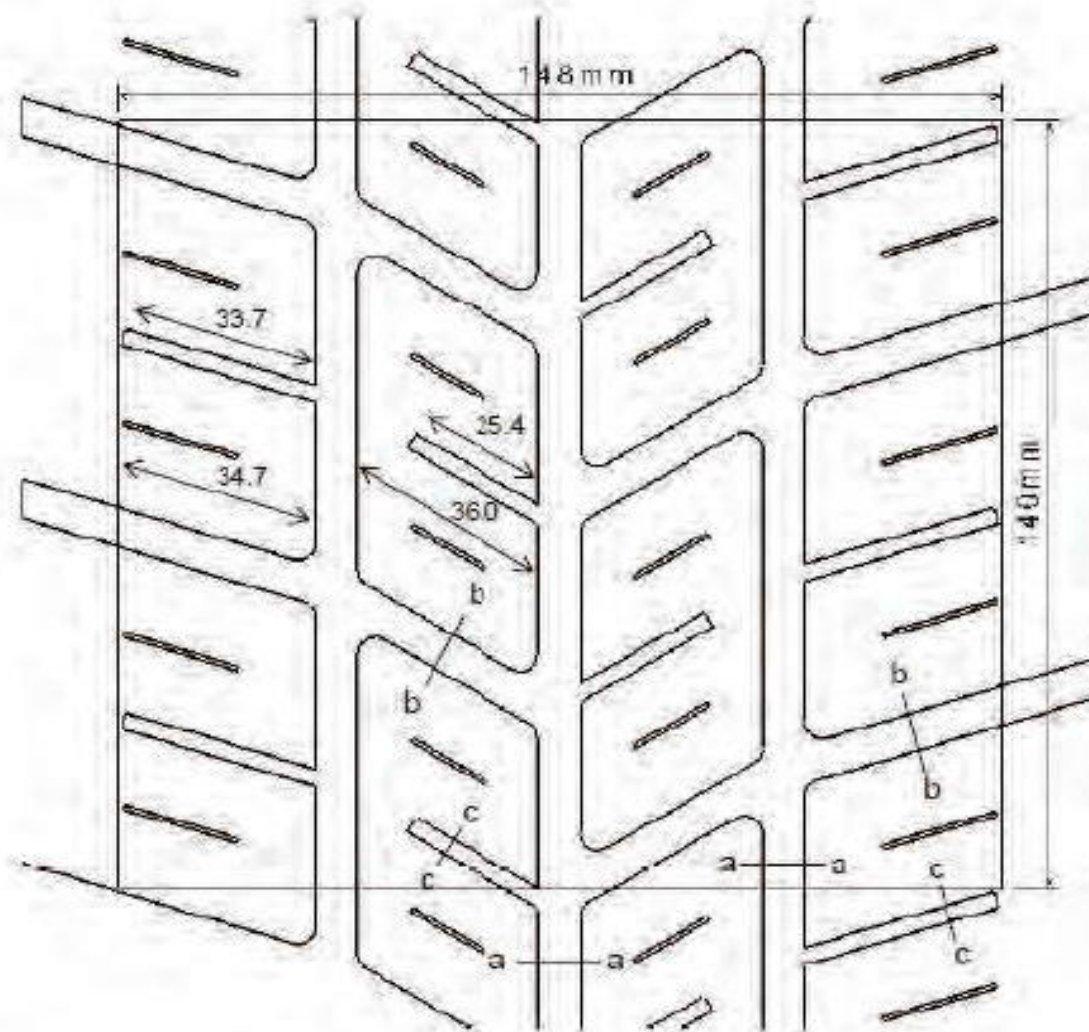
hankook

17" - 180/625R17



17" - 180/625R17

Product : Ventus Z210



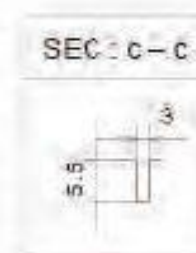
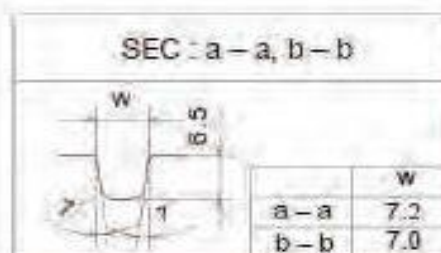
Width of Rim/Tyre Assembly : 7.5" ~ 8"

a - a groove width / depth : 7.2 mm / 6.5 mm

b - b groove width / depth : 7.0 mm / 6.5 mm

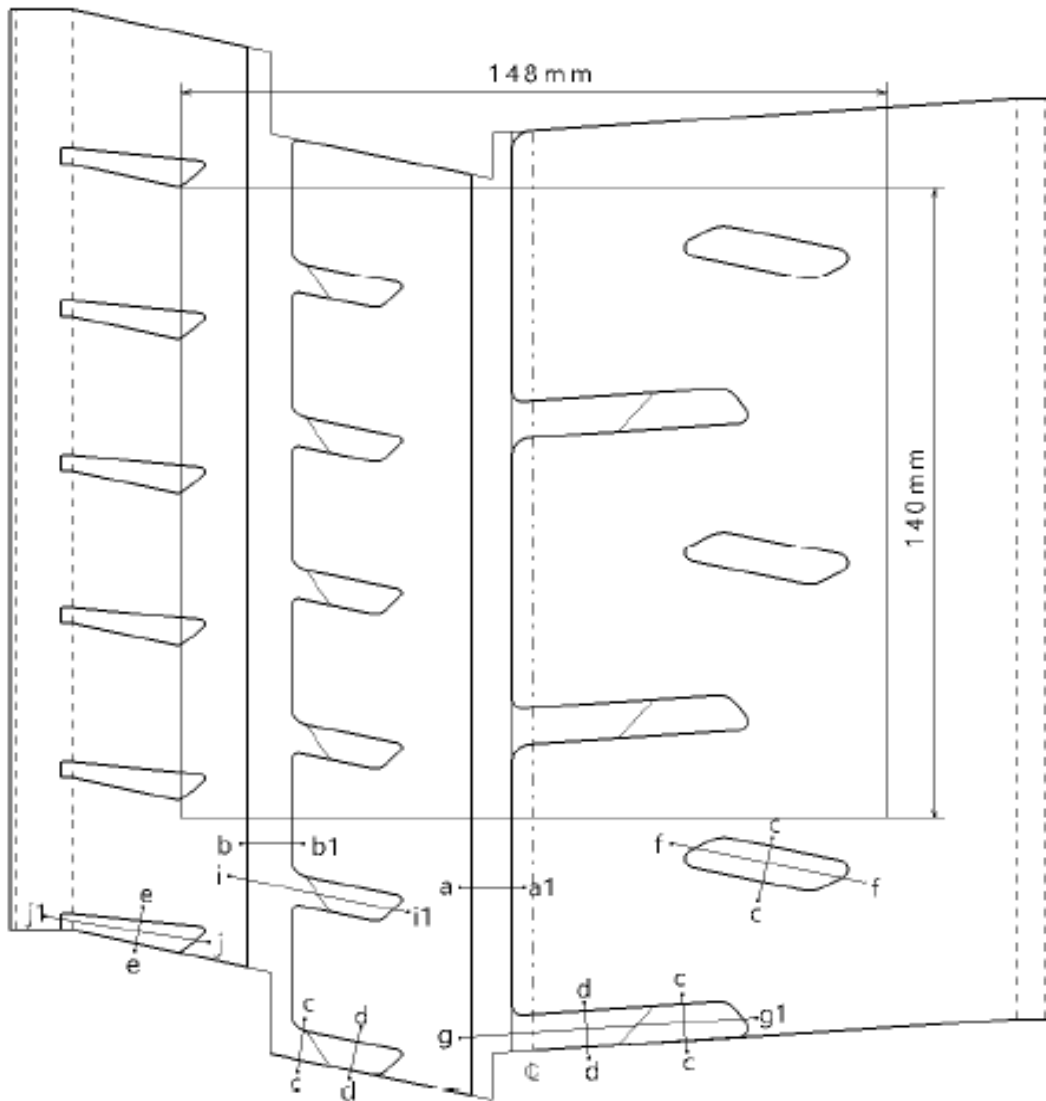
Empty Depth > 5.5mm : 27.5%

Control Surface = 20720 mm²



17" - 190/630R17

Product Name : Ventus Z215

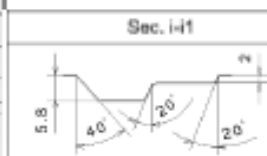
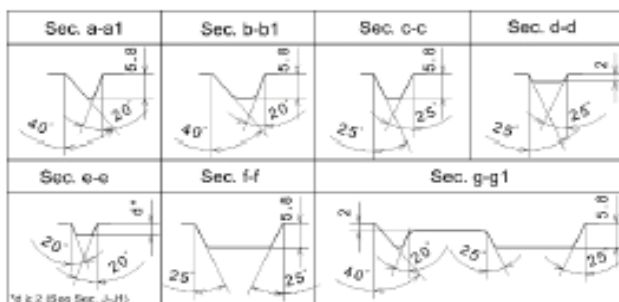


Width of Rim/Tyre Assembly : 7.5" ~ 8"

Control Surface = 20720 mm²

> 5.5 mm : 17.03 %

> 1.8 mm : 21.53 %

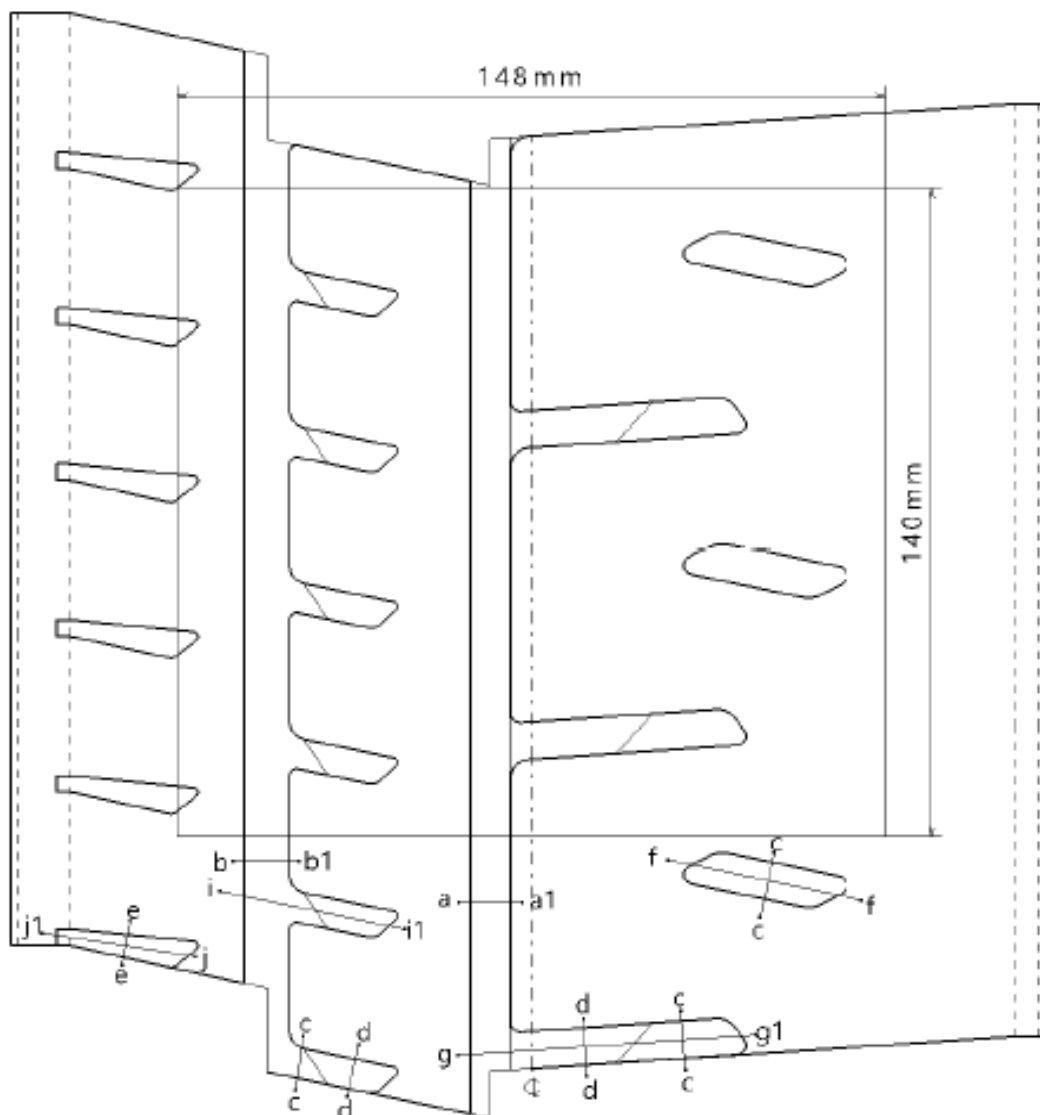


*d < 2 (See Sec. J-J1)

16" - 190/600R16

16" - 190/600R16

Product Name : Ventus Z215

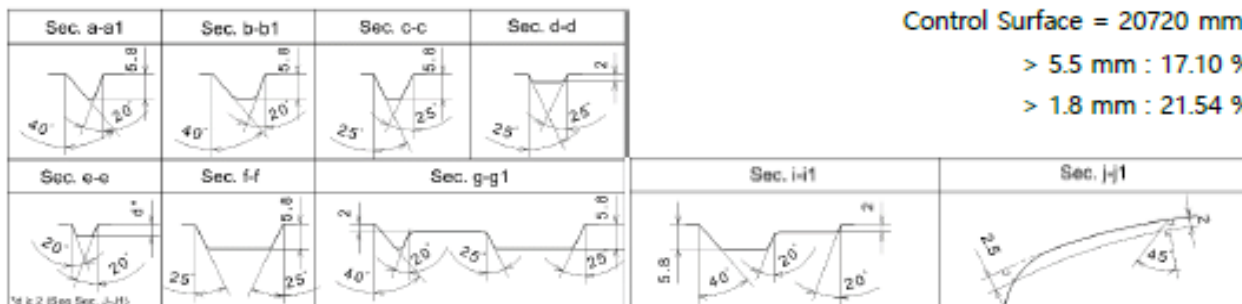


Width of Rim/Tyre Assembly : 7.5" ~ 8"

Control Surface = 20720 mm²

> 5.5 mm : 17.10 %

> 1.8 mm : 21.54 %

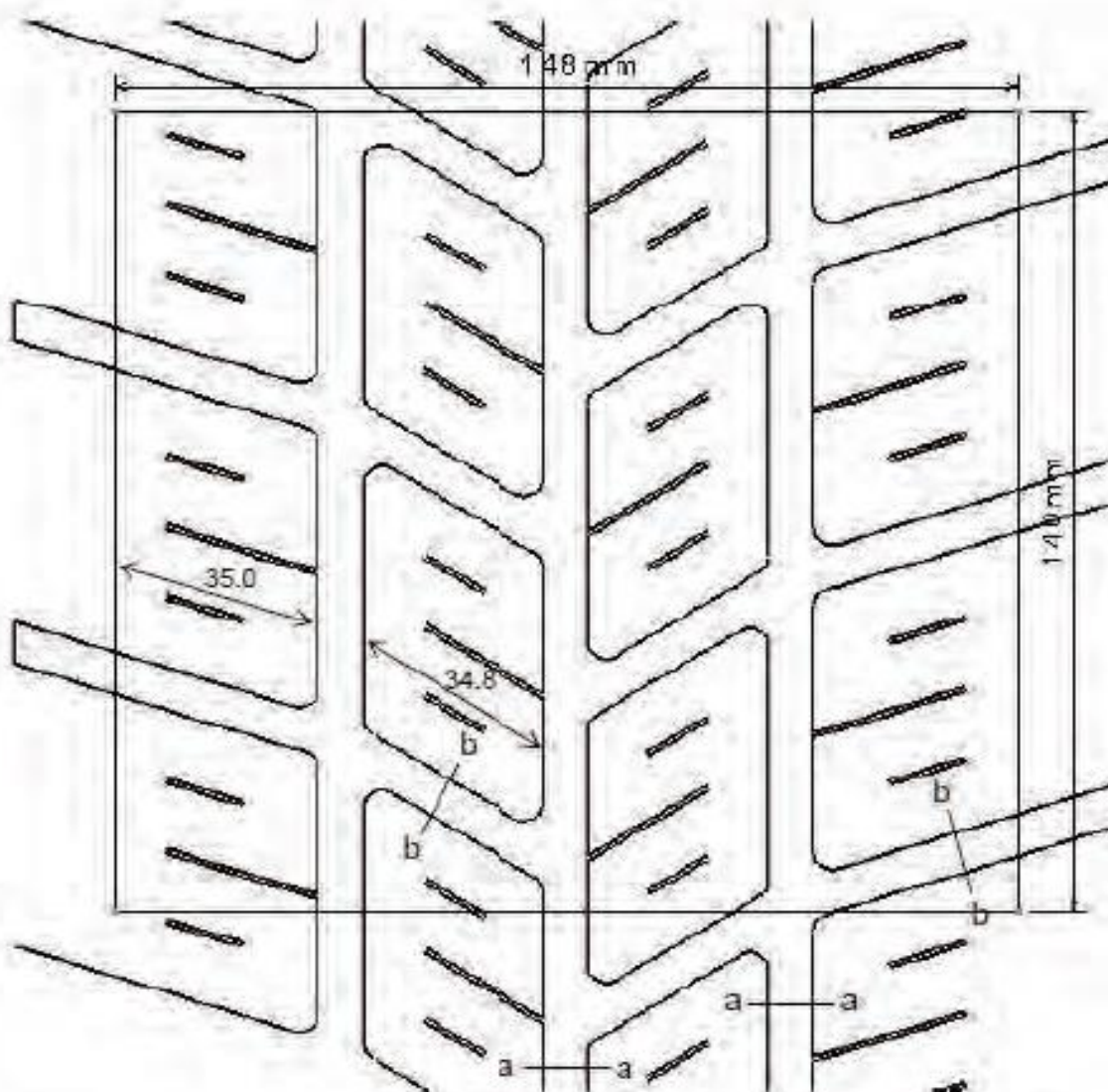


16" - 180/600R16



16" - 180/600R16

Product : Ventus Z210



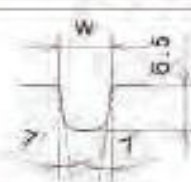
Width of Rim/Tyre Assembly : 7.5" ~ 8"

a - a groove width / depth : 7.5 mm / 6.5 mm

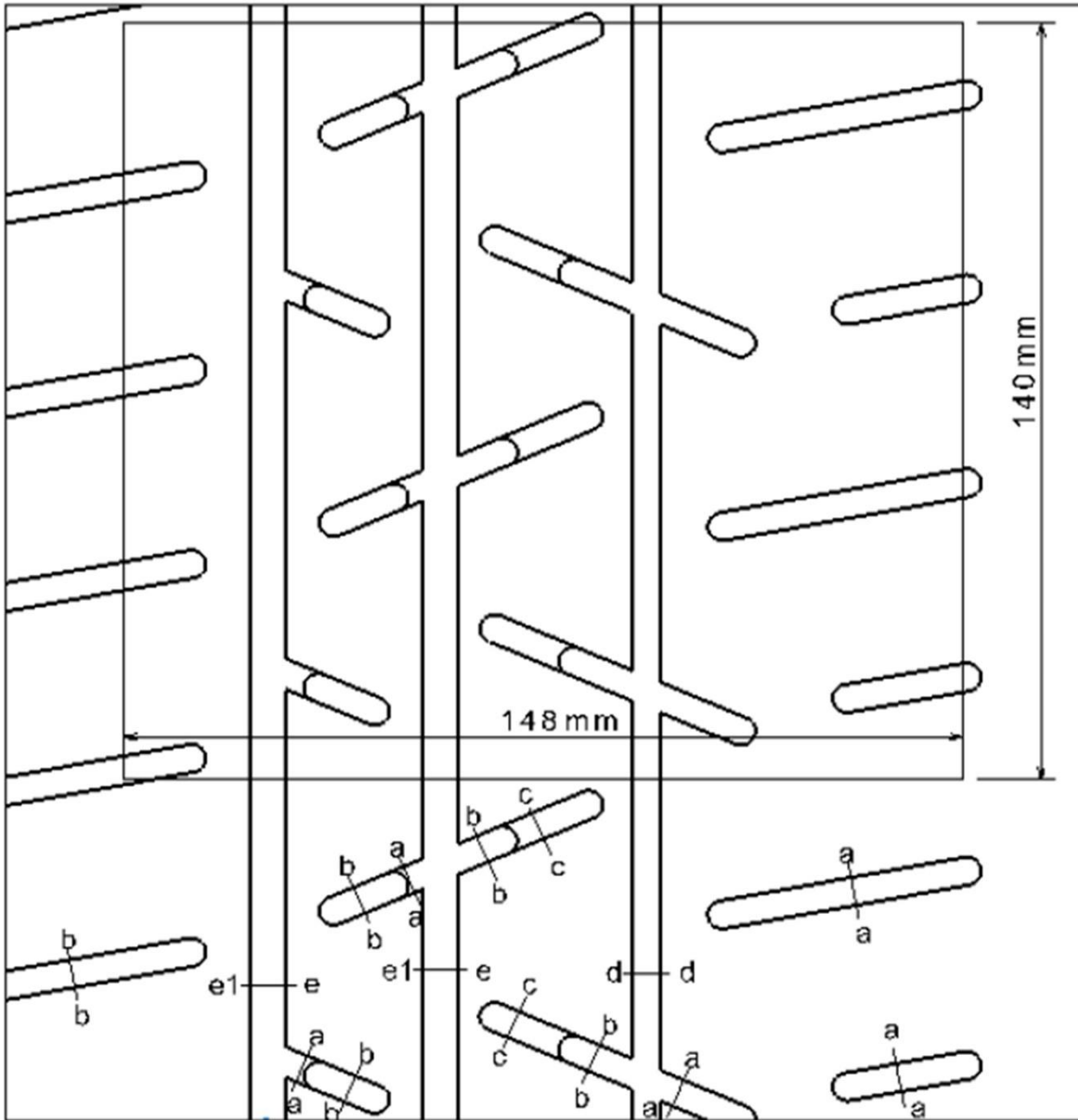
b - b groove width / depth : 7.5 mm / 6.5 mm

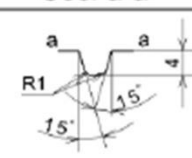
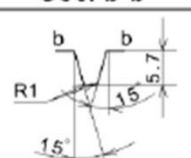
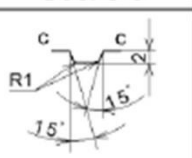
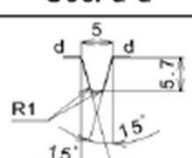
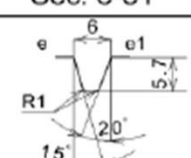
Empty Depth > 5.5mm : 27.5%

Control Surface = 20720 mm²

SEC = a - a, b - b	
	
a - a	w
b - b	7.5
	7.5

16" - 180/600R16



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Class 8" (Rim 6.5")

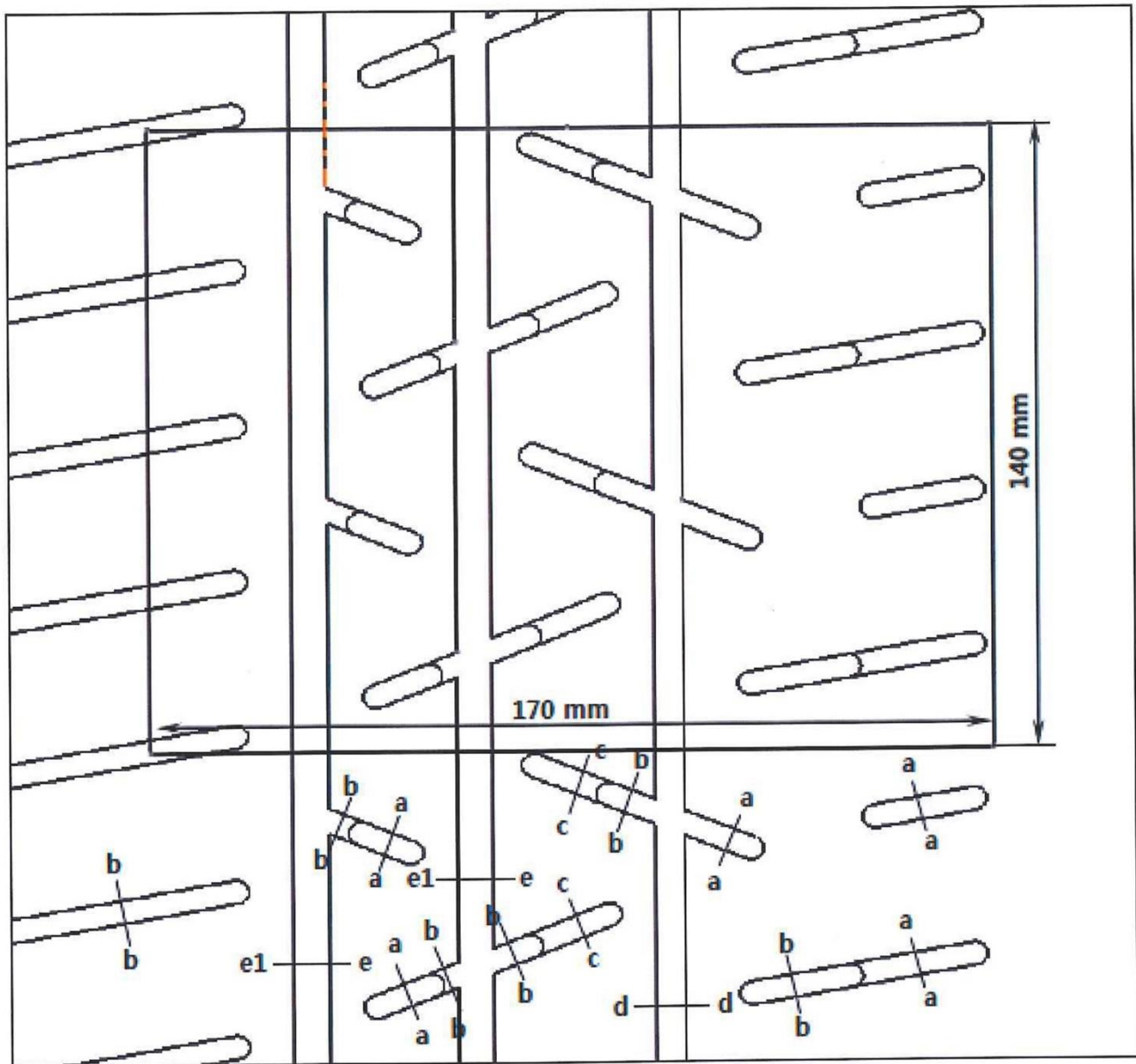
Empty Depth > 5.5mm : 17.30%

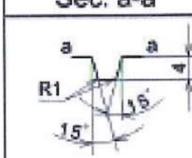
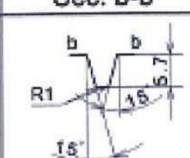
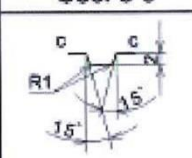
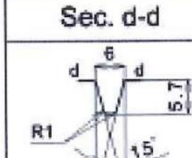
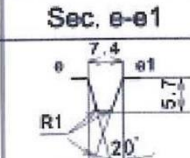
Empty Depth > 1.8mm : 22.95%

GROOVE SURFACE AREA = 358456 mm²

Control Surface = 20720 mm²

15" - 200/580R15



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Class 9" (Rim 7.0")

Empty Depth > 5.5mm : 17.06%

Empty Depth > 1.8mm : 25.07%

Control Surface = 23800 mm²



18" - 210/645R18

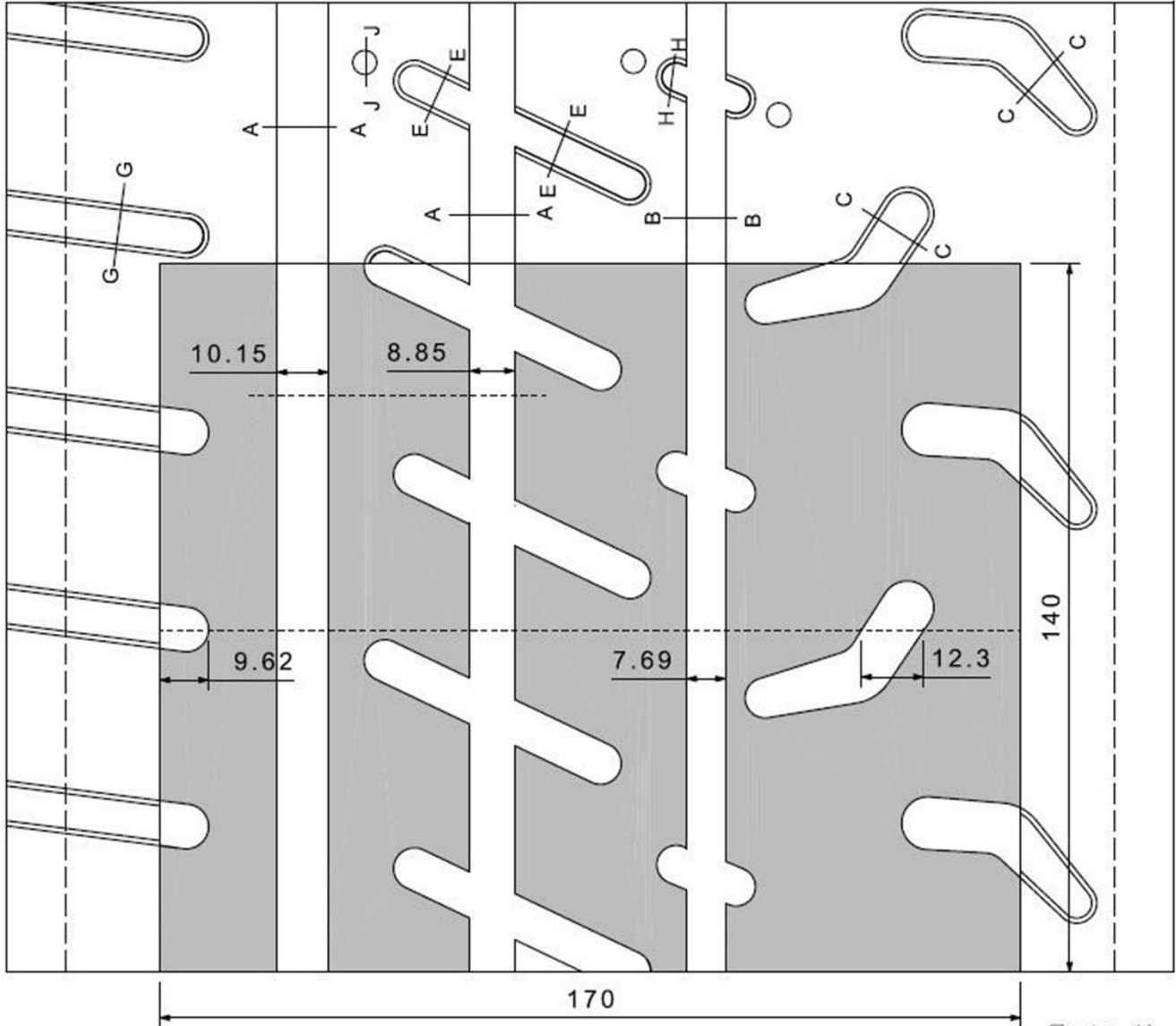
Moulded tyre for FIA homologation

Size : 210/645R18

Pattern : TM01

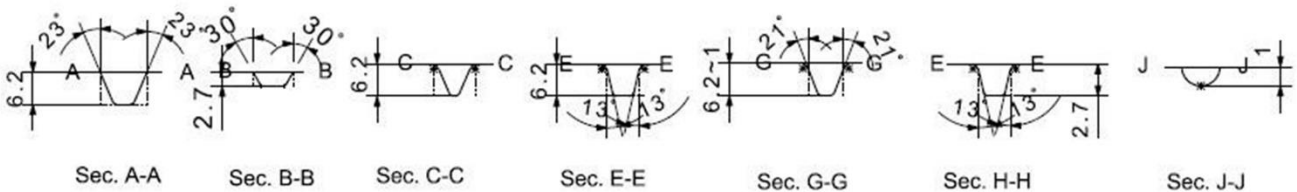
On the basis of a tread pattern width of 170mm and circumference of 140mm

- * The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- * The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- * The sum of the width of the grooves encountered by a radial line must be at least 16mm
- * At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Groove Area by 170 x 140 at least 1.8mm deep : 5815.4mm²
 Void % : 24.4%
 Groove Area by 170 x 140 at least 5.5mm deep : 4580.7mm²
 Void % : 19.2%

Scale 1:1





KUMHO TYRES

18" - 210/645R18

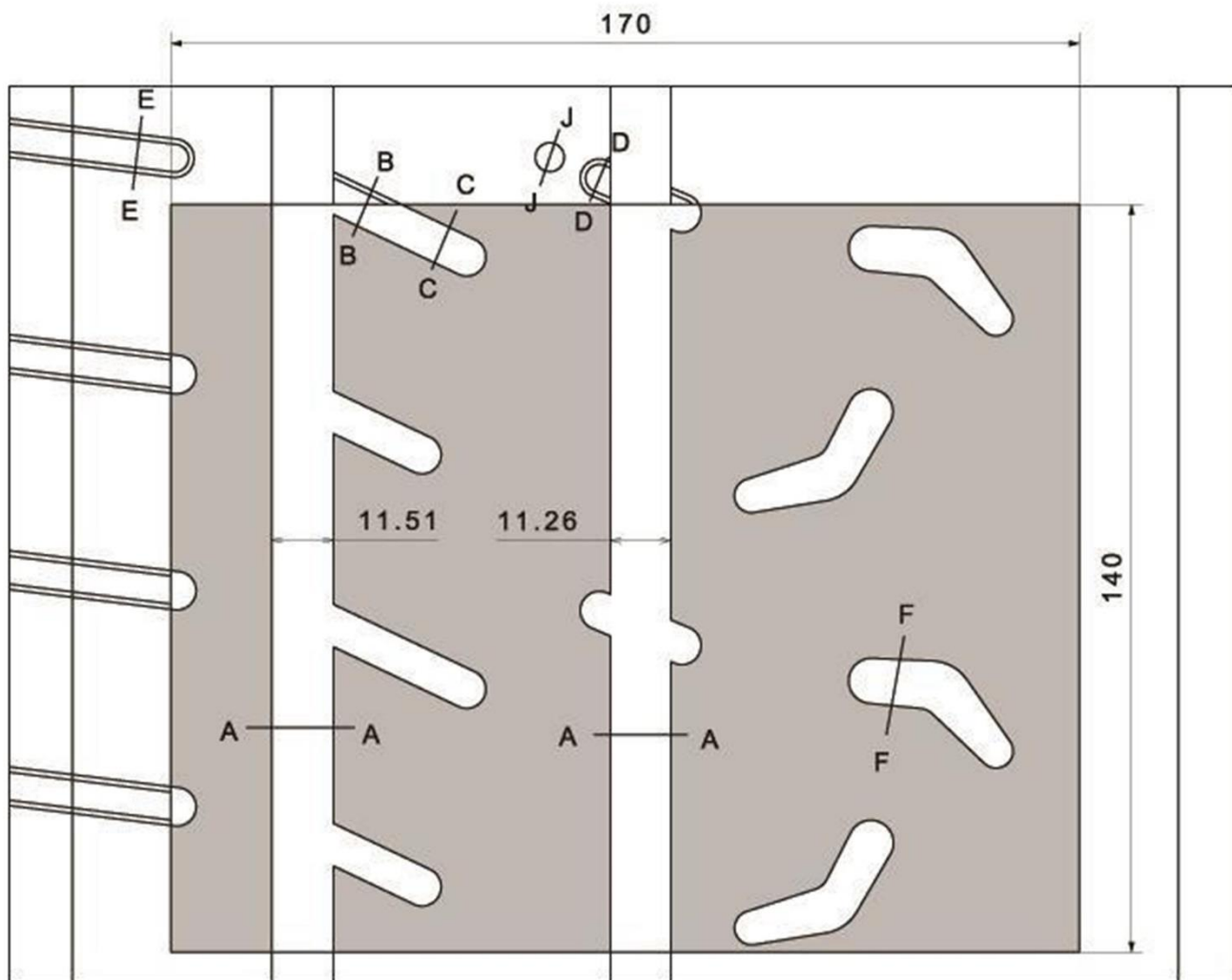
Moulded tyre for FIA homologation

Size : 210/645R18

Pattern : TM02

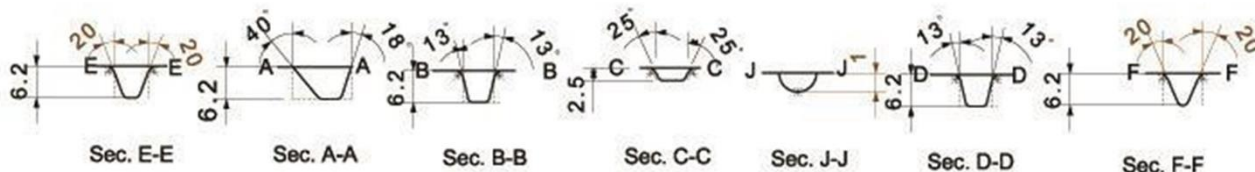
On the basis of a tread pattern width of 170mm and circumference of 140mm

- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- The sum of the width of the grooves encountered by a radial line must be at least 16mm
- At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Scale: 1:1

Groove Area by 170 x 140 at least 1.8mm deep : 5159mm²
 Void % : 21.7%
 Groove Area by 170 x 140 at least 5.5mm deep : 4446mm²
 Void % : 18.7%



18" - 210/645R18

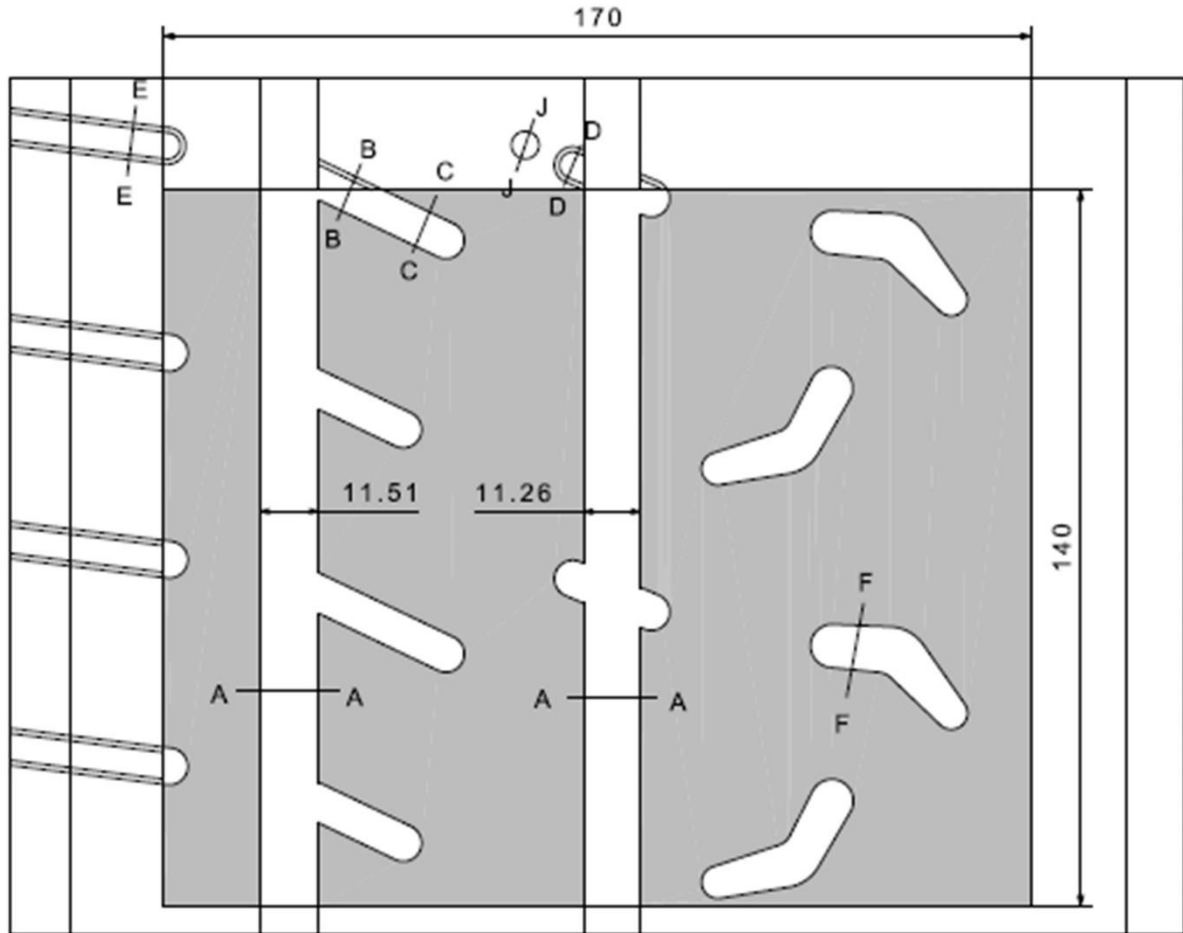
Moulded tyre for FIA homologation

Size : 210/645R18

Pattern : TM02

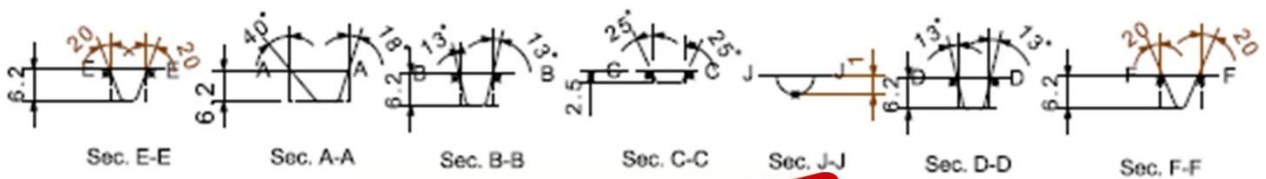
On the basis of a tread pattern width of 170mm and circumference of 140mm

- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- The sum of the width of the grooves encountered by a radial line must be at least 16mm
- At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Scale 1:1

Groove Area by 170 x 140 at least 1.8mm deep : 5159mm²
 Void % : 21.7%
 Groove Area by 170 x 140 at least 5.5mm deep : 4446mm²
 Void % : 18.7%



18" - 210/645R18

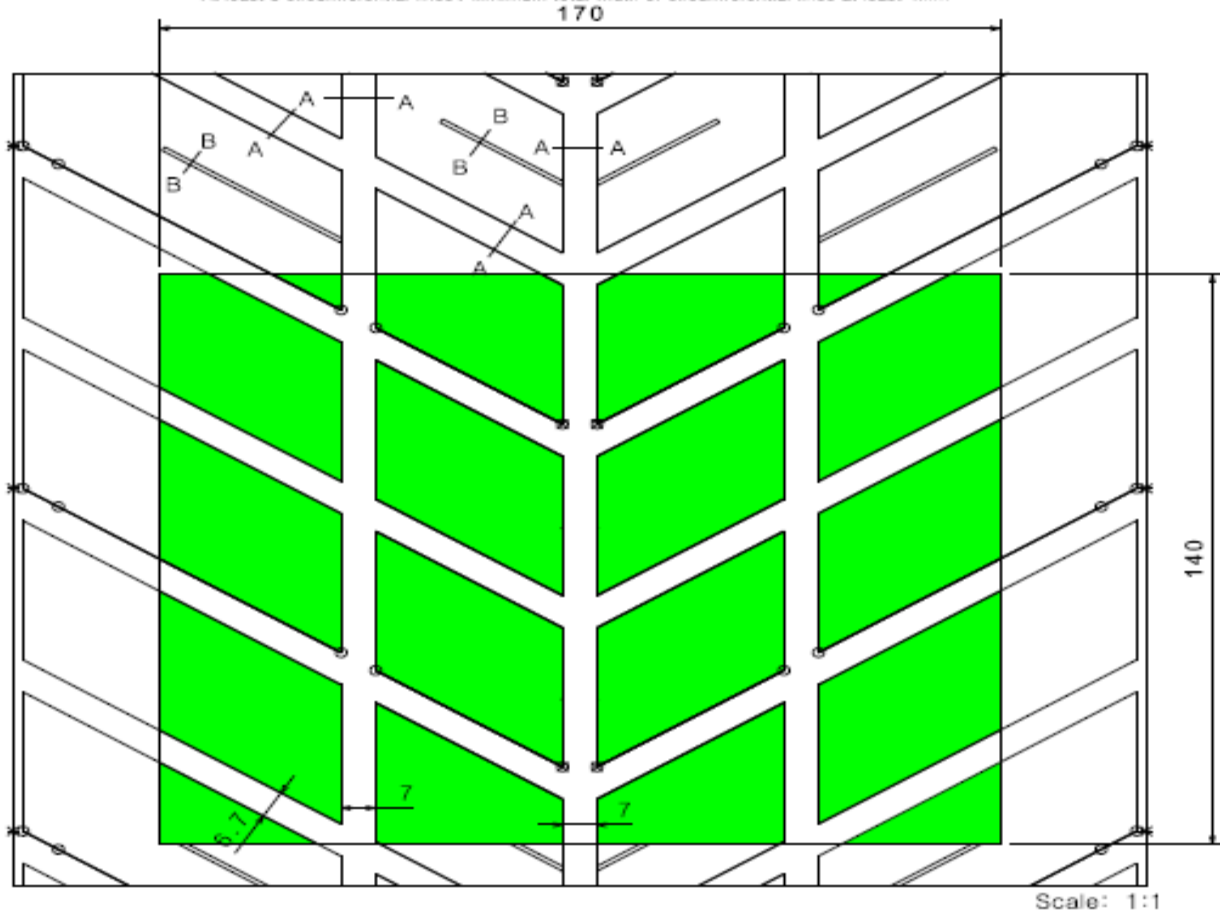
KUMHO TIRE

Moulded tyre for FIA homologation

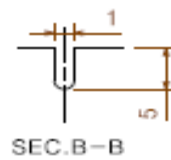
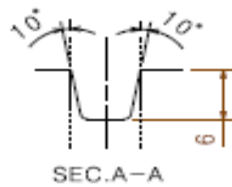
Size : 210/645R18

Pattern : TW03

- On the basis of a tread pattern width of 170mm and circumference of 140mm
- The surface taken up by grooves at least 5.5mm deep must occupy at least 27.5% of the total surface.
 - The sum of the width of the grooves encountered by a radial line must be at least 16mm
 - At least 3 circumferential lines / Minimum total width of circumferential lines at least 4mm



Groove Area by 170 x 140 at least 5.5mm deep : 6789.4mm²
Void % : 28.5%



KUMHO TYRES



17" - 190/630R17

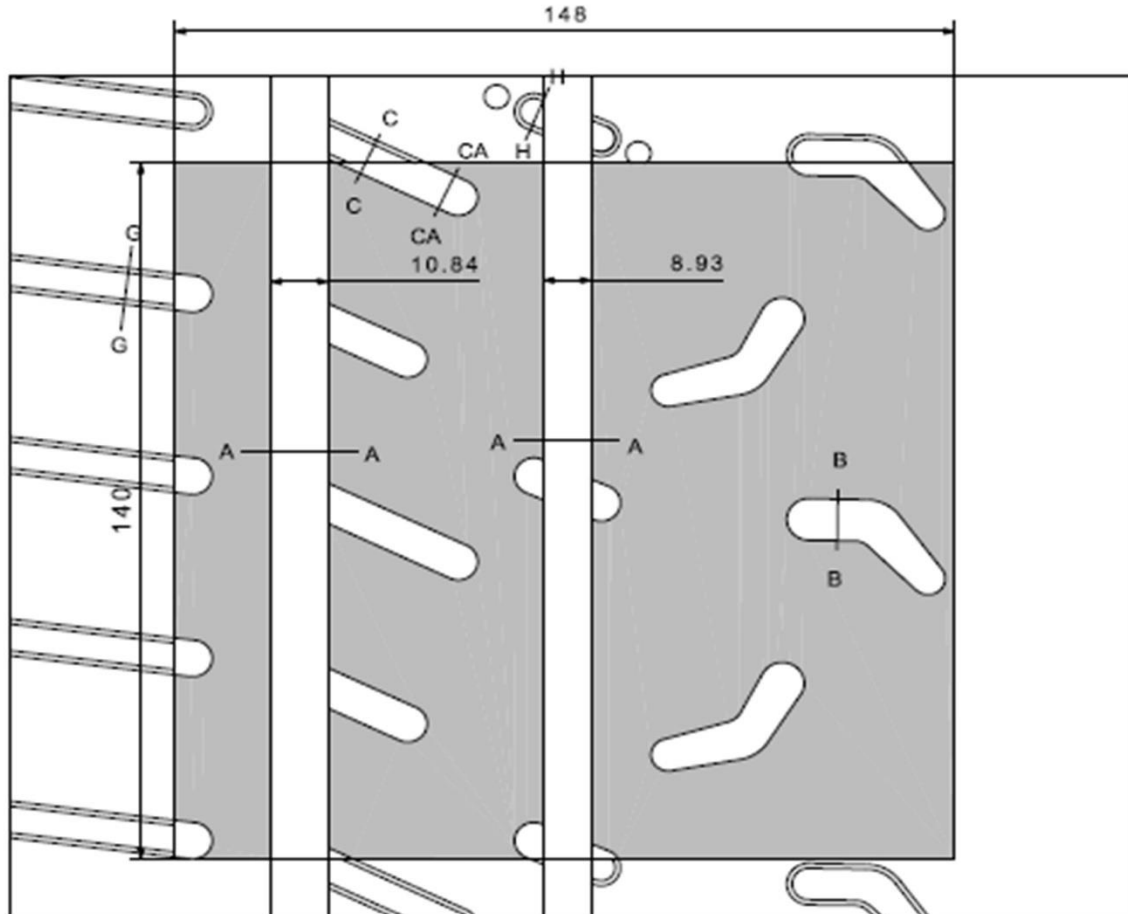
Moulded tyre for FIA homologation

Size : 190/630 R17

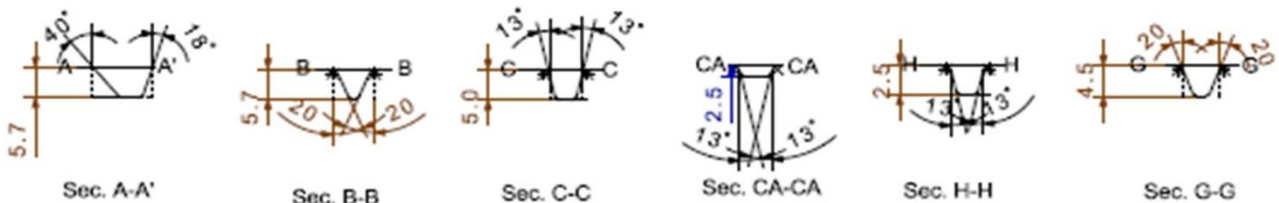
Pattern : TM02

On the basis of a tread pattern width of 148mm and circumference of 140mm

- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- The sum of the width of the grooves encountered by a radial line must be at least 16mm
- At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Groove Area by 148 x 140 at least 1.8mm deep : 4579.1mm²
 Void % : 22.1%
 Groove Area by 148 x 140 at least 5.5mm deep : 3688.1mm²
 Void % : 17.8%




KUMHO TYRES

16" - 190/600R16

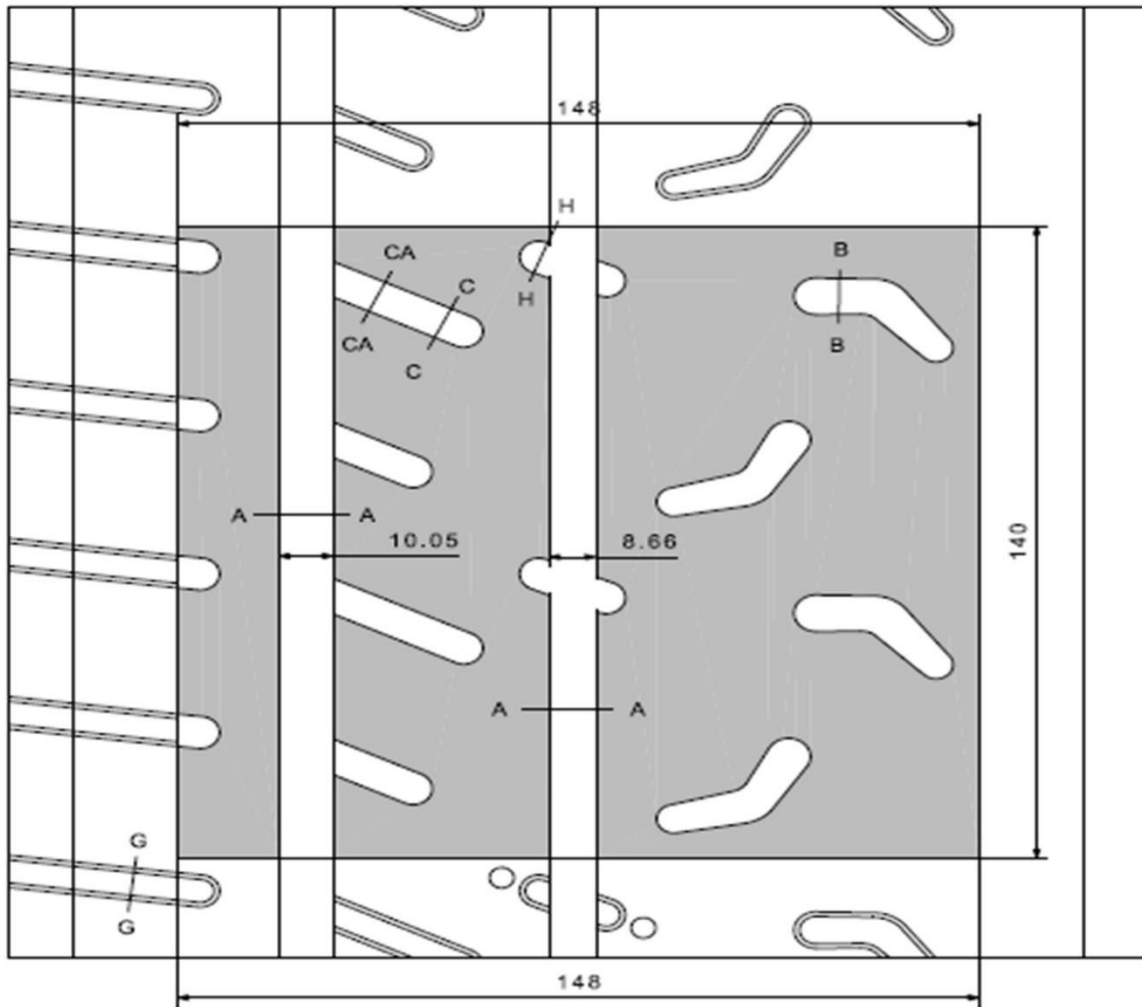
Moulded tyre for FIA homologation

Size : 190/600 R16

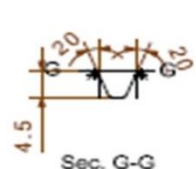
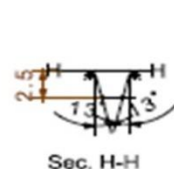
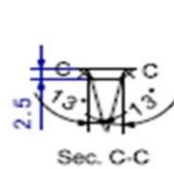
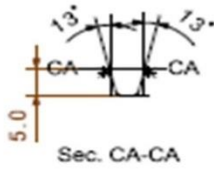
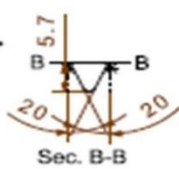
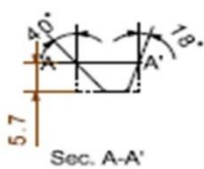
Pattern : TM02

On the basis of a tread pattern width of 148mm and circumference of 140mm

- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- The sum of the width of the grooves encountered by a radial line must be at least 16mm
- At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Groove Area by 148 x 140 at least 1.8mm deep : 4579.1mm²
 Void % : 22.1%
 Groove Area by 148 x 140 at least 5.5mm deep : 3584.5mm²
 Void % : 17.3%



KUMHO TYRES

15" - 180/580R15

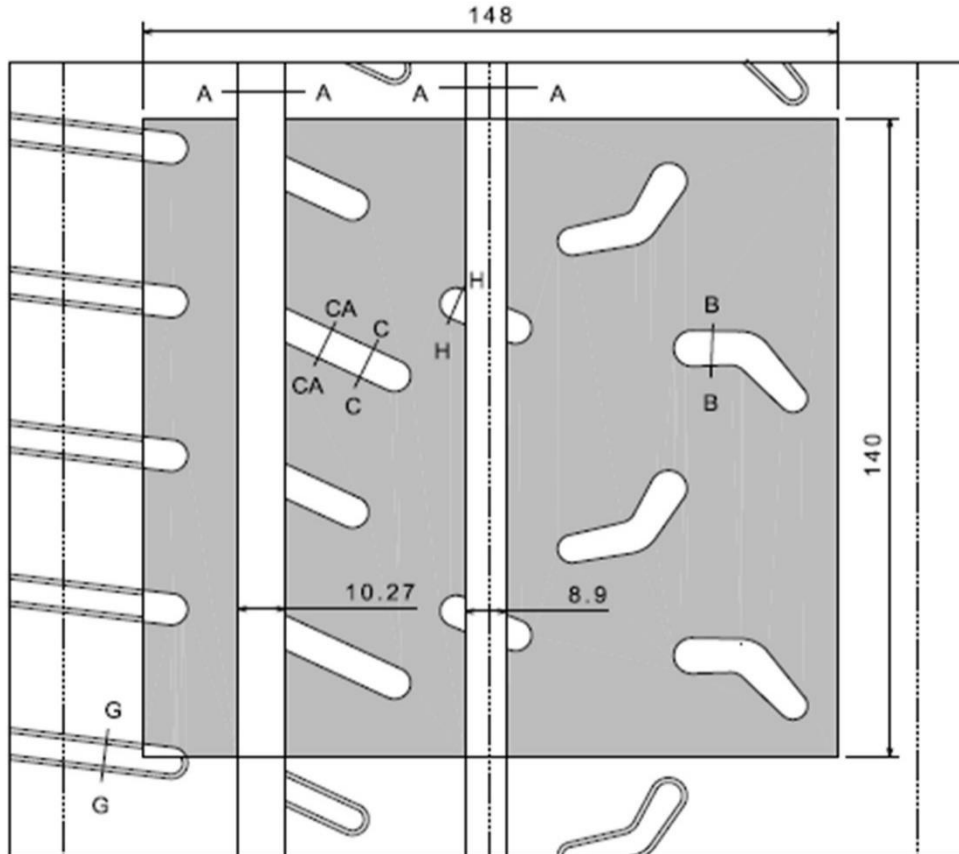
Moulded tyre for FIA homologation

Size : 180/580 R15

Pattern : TM02

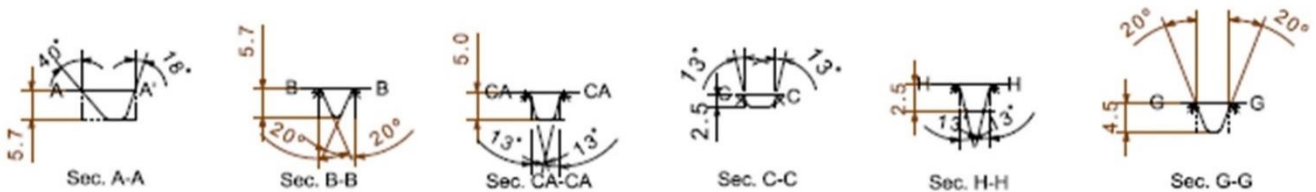
On the basis of a tread pattern width of 148mm and circumference of 140mm

- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- The sum of the width of the grooves encountered by a radial line must be at least 16mm
- At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Scale 1:1

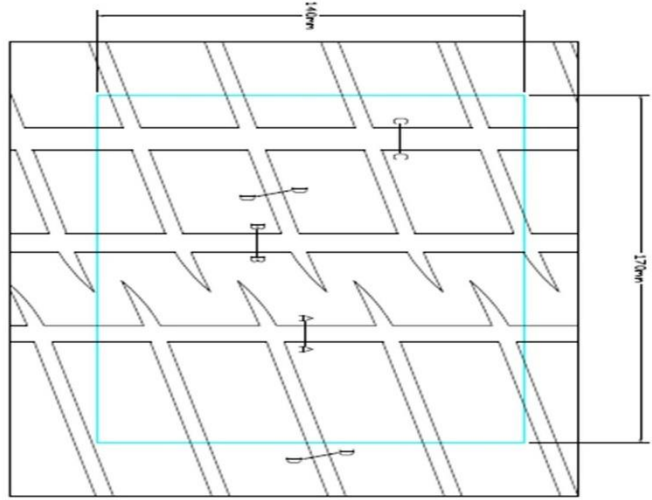
Groove Area by 148 x 140 at least 1.8mm deep : 4599.8mm²
 Void % : 22.2%
 Groove Area by 148 x 140 at least 5.5mm deep : 3563.8mm²
 Void % : 17.2%



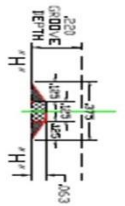
Hoosier

RACING TIRE

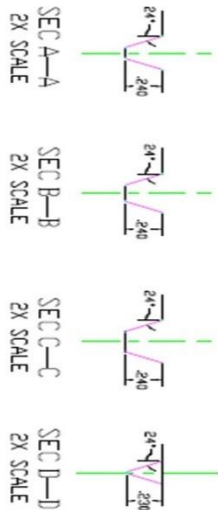
18" - 225/40R18



CONTROL SURFACE = 23,800mm²
 GROOVES >5.5mm DEEP = 6,686.4mm² = 28.07%



(B) TWIS PER CIRCUMFL GROOVE
 AND TREAD ELEMENTS AS SHOWN.
 (24) TOTAL FOR THE MOLD.



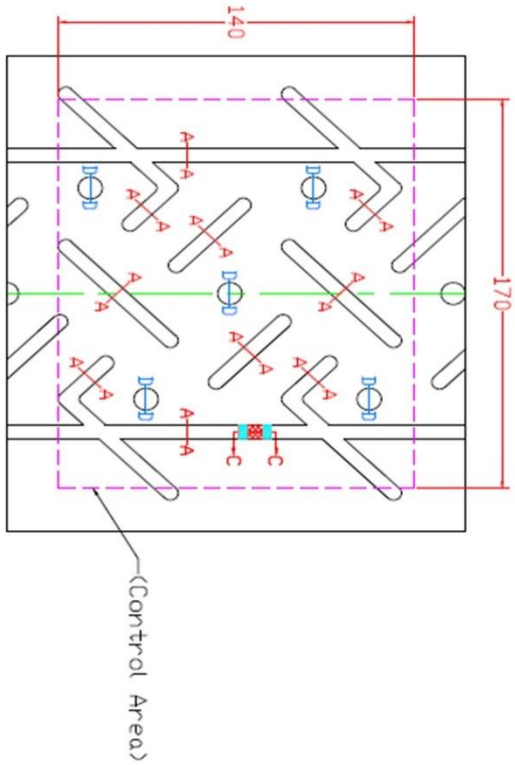
HOOSIER RACING TIRE CORP. LAFAYETTE, INDIANA	
225/40R18 TRUCK RALLY	
PART NO. 118	REVISED BY
DATE 10-20-08	DATE
DRAWN BY	CHECKED BY
1	1

Hoosier

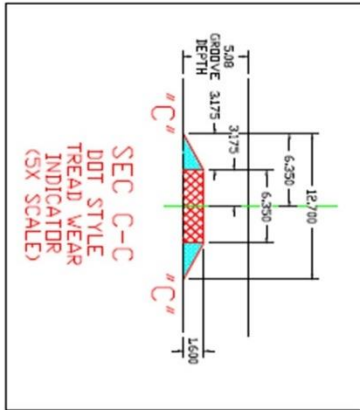
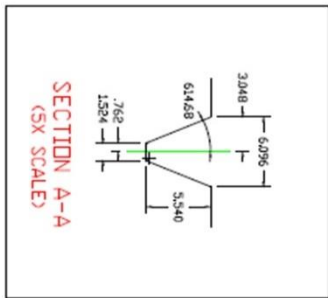
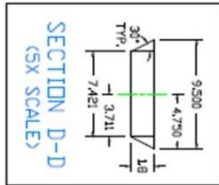
RACING TIRE

18" - 200/650R18

(UNITS = METRIC)



CONTROL SURFACE = 23,800mm²
 GROOVES > 5.5mm = 4,797.71mm² = 20.16%
 GROOVES > 1.8mm = 5,152.09mm² = 21.65%



REV	1	-
-----	---	---

3RD ANGLE PROJECTION

THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
 LAKEVILLE, INDIANA

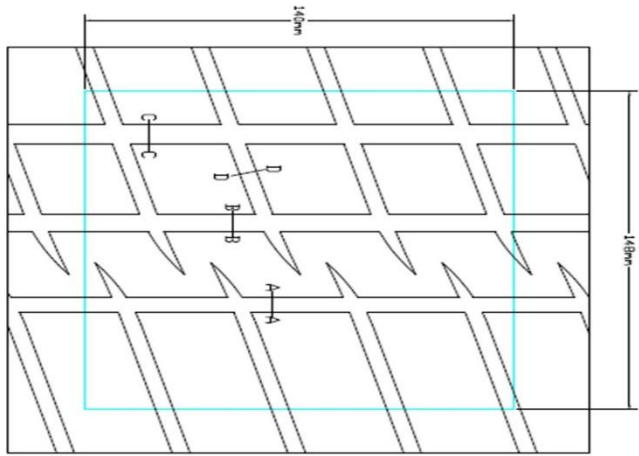
F.I.A. COMPLIANCE FOR '200/650R18'
 ROAD RALLY

S/N 4770

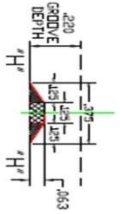
DRAWN BY	THE APPROVED BY	XXX	CHECKED BY	XXX
DATE	DATE	XX/XX/XXXX	DATE	XX/XX/XXXX
SCALE	SCALE	---	SCALE	---
SHEET	SHEET	2	SHEET	2
OF	OF	2	OF	2



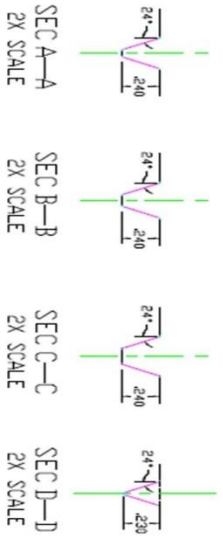
17" - 195/50R17



CONTROL SURFACE = $20,720\text{mm}^2$
 GROOVES $35,5\text{mm}$ DEEP = $5,967,3\text{mm}^2$ = 28.80%



(8) TWIS PER CIRCUMFL GROOVE
 AND TREAD ELEMENTS AS SHOWN.
 (24) TOTAL FOR THE MOLD.



THIS IS A CAR BRAND. MODEL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
 LAKEVILLE, INDIANA

195/50R17 TREAD PATTERN

S/N 4995

DESIGNED BY	138	APPROVED BY	DATE
DRAWN BY	138	CONVOYED BY	DATE
DATE	02-2-2021	DATE	
FILE	195/50R17		

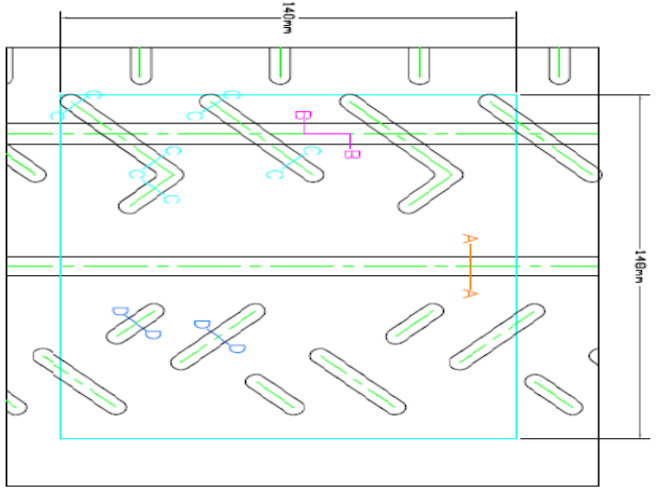
NO MOLD PROJECTION

© 2021 Hoosier Racing Tire Corp. All Rights Reserved. This tread pattern is the property of Hoosier Racing Tire Corp. and is used under license from Hoosier Racing Tire Corp.

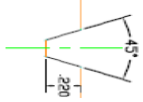
Hoosier

RACING TIRE

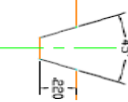
17" - 195/50R17



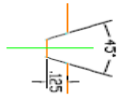
CONTROL SURFACE = 20,720mm²
 GROOVES >55mm DEEP = 36177mm² = 17.46%
 GROOVES >18MM DEEP = 46382mm² = 22.39%



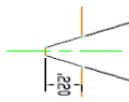
SEC A-A
(2X SCALE)



SEC B-B
(2X SCALE)



SEC C-C
(2X SCALE)

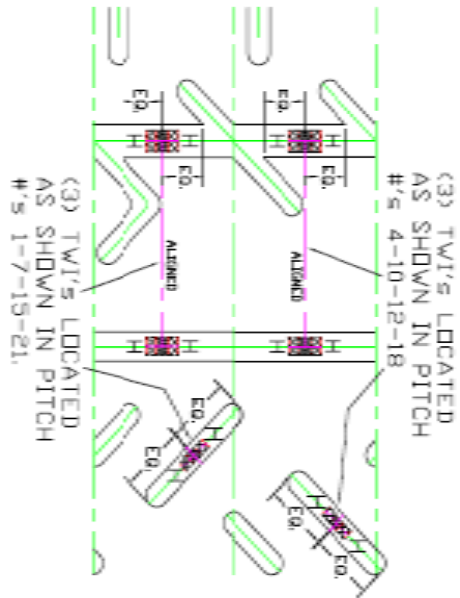


SEC D-D
(2X SCALE)



SEC H-H
DOT STYLE
TREAD WEAR
INDICATOR
(3X SCALE)

(B) TWI'S PER CIRCUMFL GROOVE
 AND TREAD ELEMENTS AS SHOWN.
 (24) TOTAL FOR THE MOLD.



THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
LAKEVILLE, INDIANA

195/50R17 TARMAC RALLY

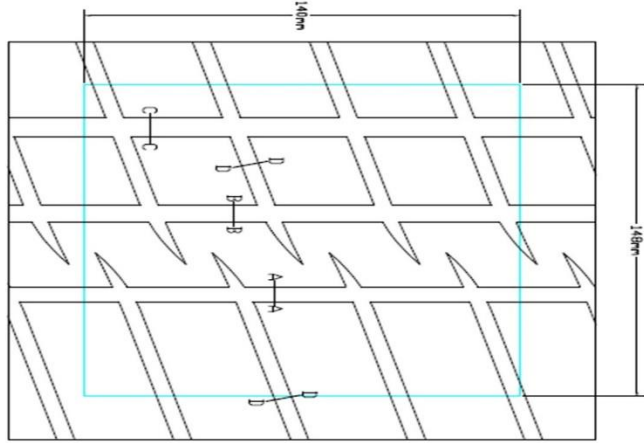
5/74 4287

DESIGN BY	REV	APPROVED BY	DATE	CHECKED BY	DATE
SCALE	DATE	SCALE	DATE	SCALE	DATE
FULL	DATE	DATE	DATE	DATE	DATE

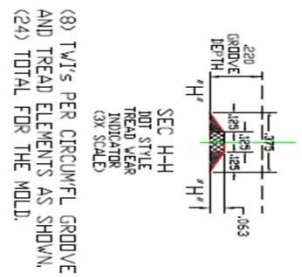
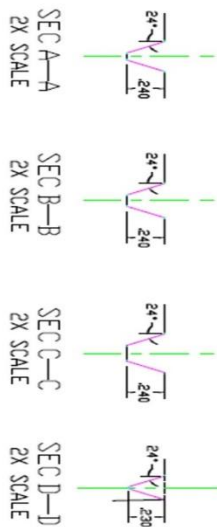
3RD ANGLE PROJECTION



16" - 195/50R16



CONTROL SURFACE = $20,720\text{mm}^2$
 GROOVES $35,5\text{mm}$ DEEP = $59,718\text{mm}^2$ = 28.82%



THIS IS A ONE BRAND MODEL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
 LAKEVILLE, INDIANA

195/50R16 TRIMAC RALLY

S/N: 4956

DESIGNED BY	ESB	APPROVED BY	
DATE	07-2-2013	DATE	
CHECKED BY		DATE	
SHEET	1		

300 MADE IN INDIA

THIS IS A ONE BRAND MODEL CHANGES ARE NOT PERMITTED.

DATE: 07-2-2013

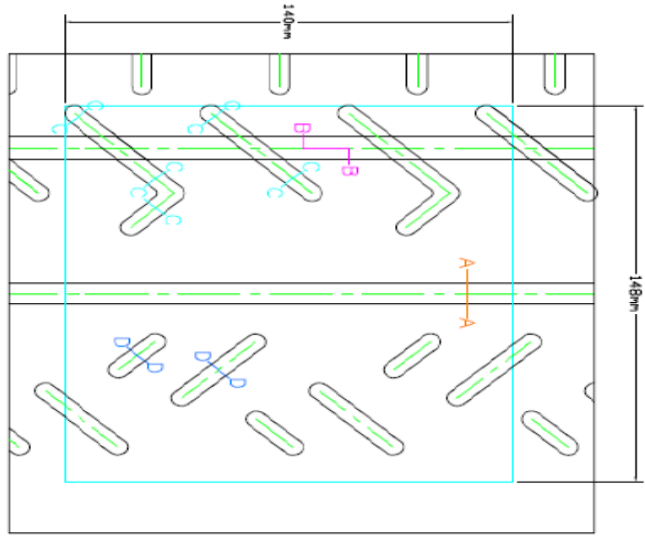
DATE: 07-2-2013

DATE: 07-2-2013

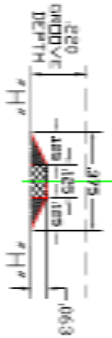
Hoosier

RACING TIRE

16" - 195/50R16

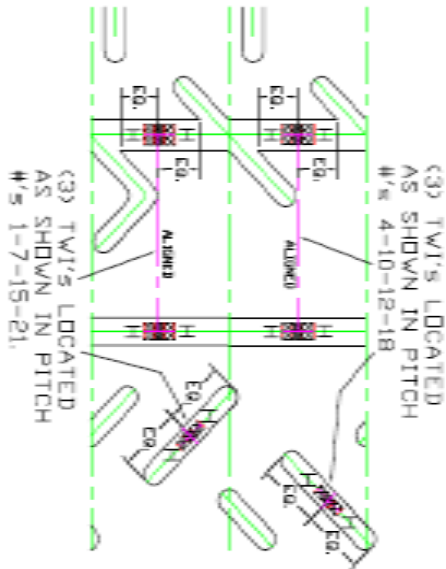


CONTRD. SURFACE = 20,720mm²
 GROOVES >5.5mm DEEP = 3617.7mm² = 17.46%
 GROOVES >1.8MM DEEP = 4638.2mm² = 22.39%



SEC H-H
 DOT STYLE
 TREAD WEAR
 INDICATOR
 (2X SCALE)

(8) TWI'S PER CIRCUMF'L GROOVE
 AND TREAD ELEMENTS AS SHOWN.
 (24) TOTAL FOR THE MOLD.



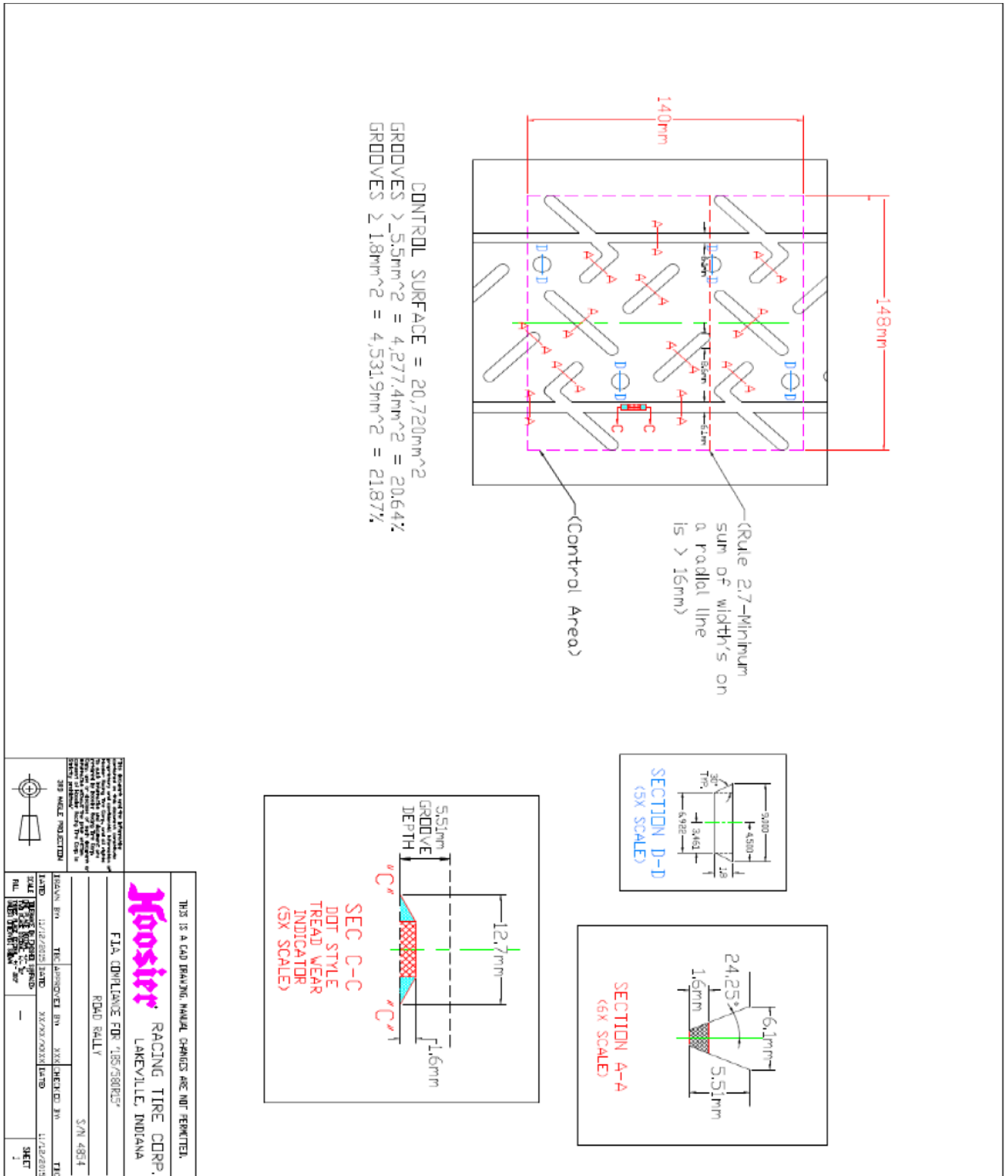
THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
 LAKEVILLE, INDIANA

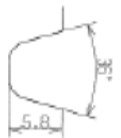
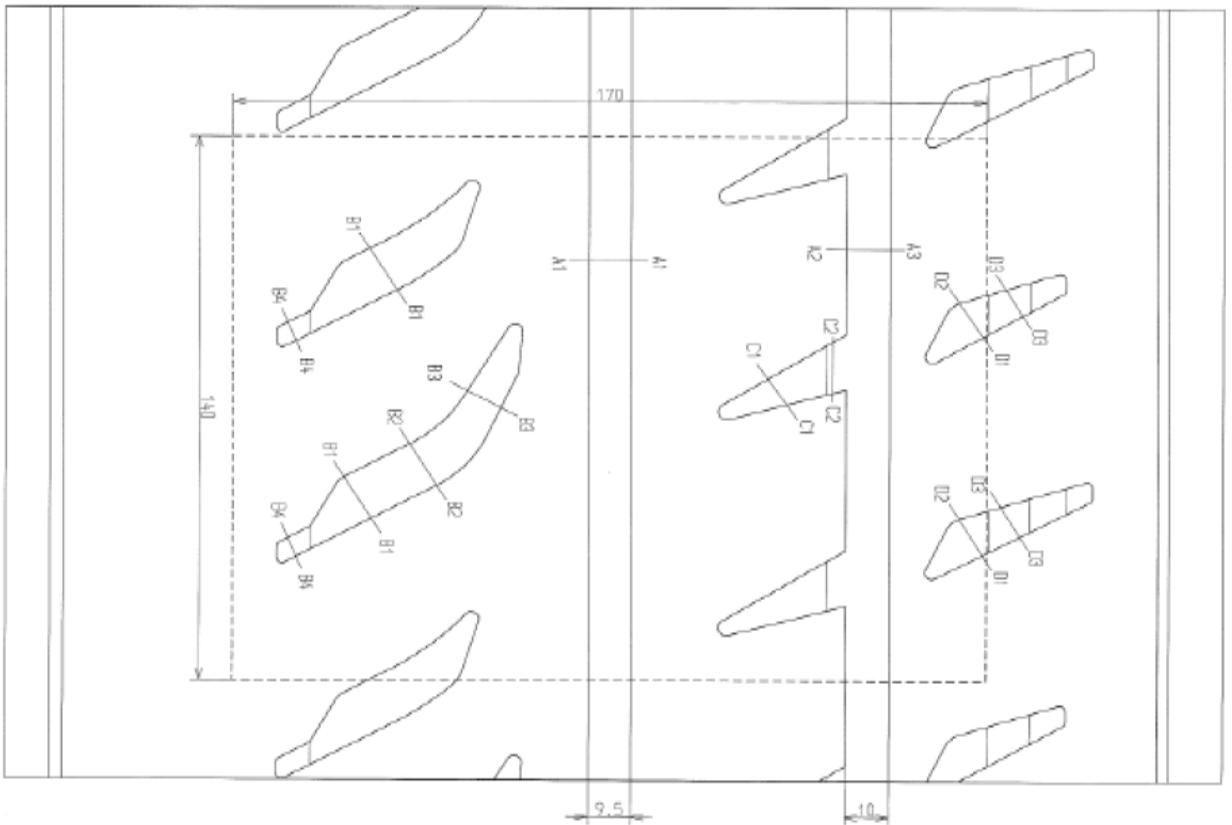
DRAWN BY: KJB APPROVED BY: KKK CHECKED BY: KJB			
DATE: 04-08-2008 DATE: 04-08-2008 DATE: 04-09-2008		S/N: 4926	
195/50R16 TARMAC RALLY			
SHEET 1			



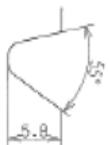
15" - 185/580R15



18" - 205/640R18



SEC. A1-A1



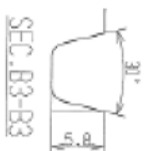
SEC. A2-A3



SEC. B1-B1



SEC. B2-B2



SEC. B3-B3



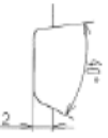
SEC. B4-B4



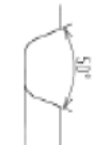
SEC. C1-C1



SEC. C2-C2



SEC. D1-D2



SEC. D3-D3

In the control area
5.5mm grooves -18, 22
Total grooves 22, 34

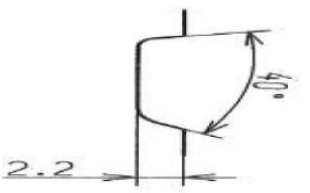
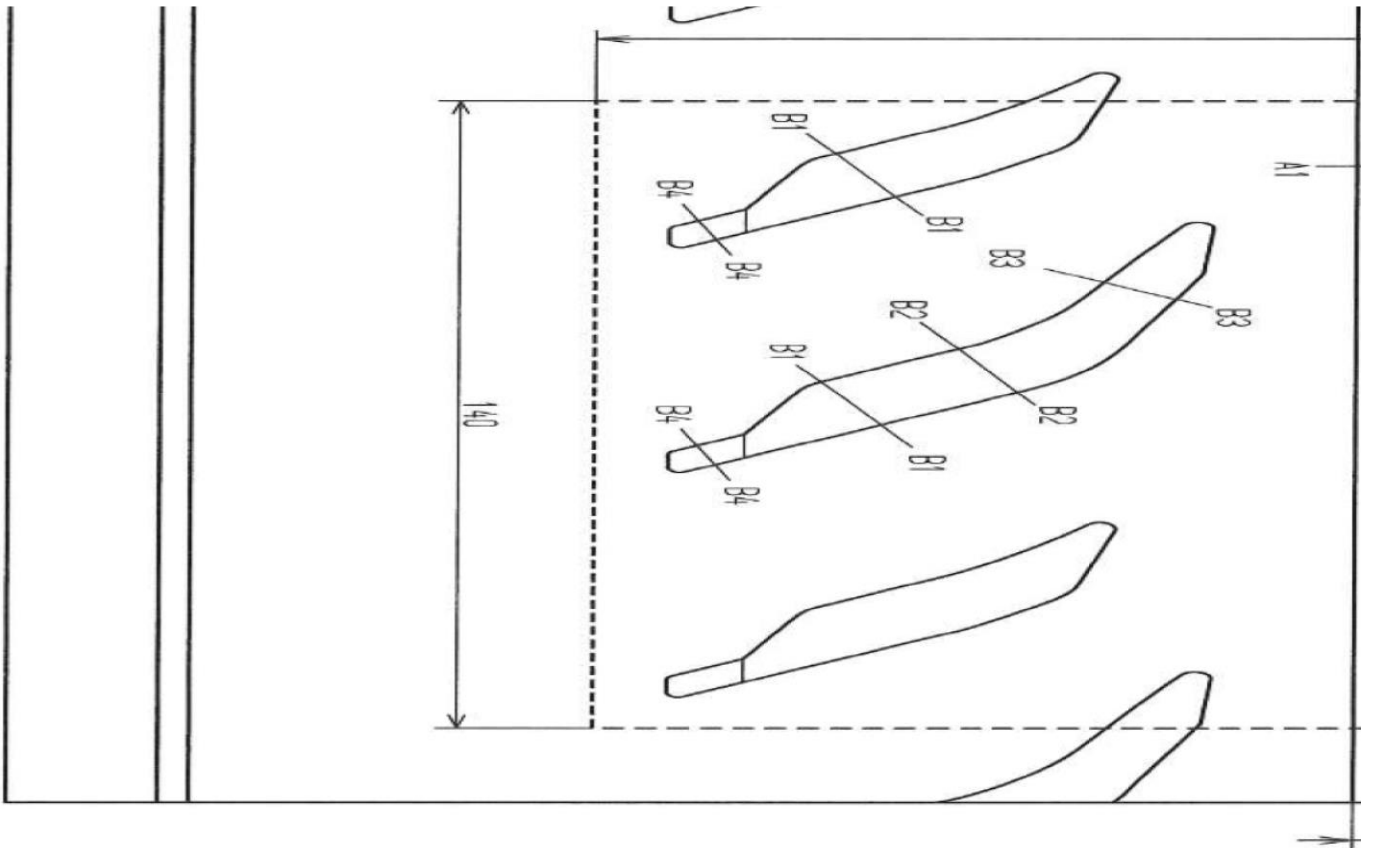
-----Control area(170x140)

PRODUCT NAME
TOYO PROXES 888RT

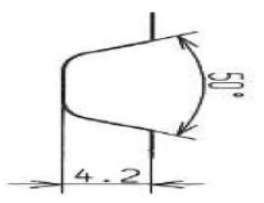
SIZE 205/640R18

TOYO TIRES

16" - 185/600R16



SEC.01-D2



SEC.03-D3

In the control area
 5.5mm grooves-19.2%
 Total grooves 23.1%

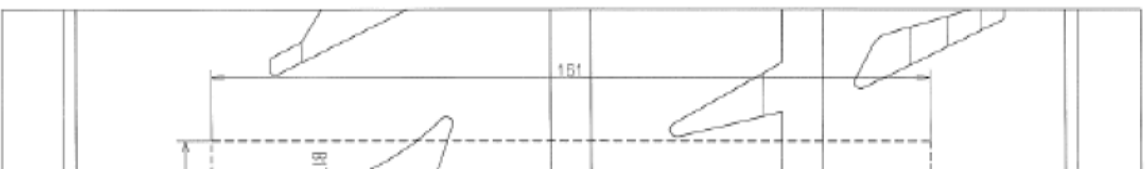
-----Control area(148x140)

PRODUCT NAME
 TOYO PROXES 888RT

SIZE 185/60R15

TOYO TIRES

15" - 185/580R15

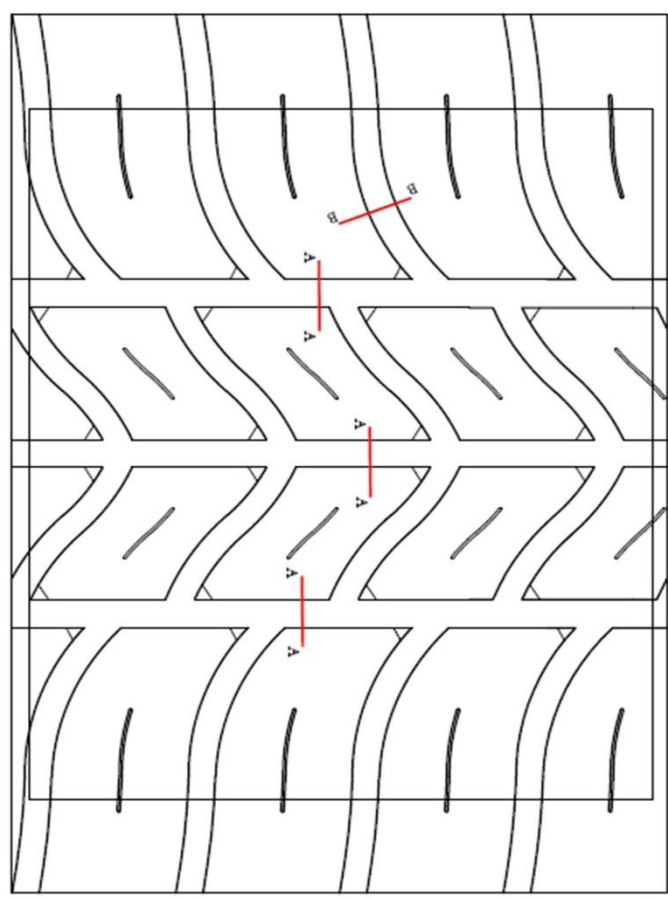




MRF TYRES 18" - 235/40R18



MRF 235/40R18 ZWR1 TL



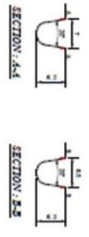
In the control area 170x140 mm (Indicated in the dotted line)

Grooved area within Min. 5.5 mm deep grooves > 27.5%

The total width of the circumferential line is >12 mm

The sum of the width of the grooves encountered by a radial line is >16 mm

CLASS 9"
RIM 8.0"



IF IN DOUBT ASK...
At direction of the firm, when otherwise specified

THE DRAWING IS THE PROPERTY OF MRF LTD. THE USE IS LIMITED WITH THE EXPRESS AGREEMENT THAT THE DRAWING AND INFORMATION THEREON CONTAINED ARE THE PROPERTY OF THE MRF LTD. AND WILL NOT BE REPRODUCED, COPIED OR OTHERWISE DERIVED OR DISCLOSED OR IN ANY MANNER TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF MRF LTD. FIRST COMPANY AND SPECIFIC AS TO EACH CASE. THE ACCEPTANCE OF THE DRAWING WILL BE CONSIDERED AS AN AGREEMENT OF THE REPRODUCING AGENCY THAT THE DRAWING IS TO BE RETURNED TO THE COMPANY OR ITS AUTHORIZED REPRESENTATIVE IN COMPLIANCE OF THE JKS.

NOT TO SCALE

F.I.A COMPLIANCE FOR 235/40R18 ZWR1 TL

S.No.	DATE	DESCRIPTIONS	DRAWN	VPRO / PGM

CHENNAI		INDIA	
DRAWN	G. Kirubakaran	APPROVED	T.N. Sundar
SIGNATURE	PSE	VPRO / PGM	MTS
DATE	10.02.2020	DATE	17.02.2020

CORPORATE TECHNICAL MOLD DESIGN		DRG No.	RR-235/40R18_0720	REVISION No.	00
SAP DOCUMENT TYPE	SAP DOCUMENT No.	VER	1		

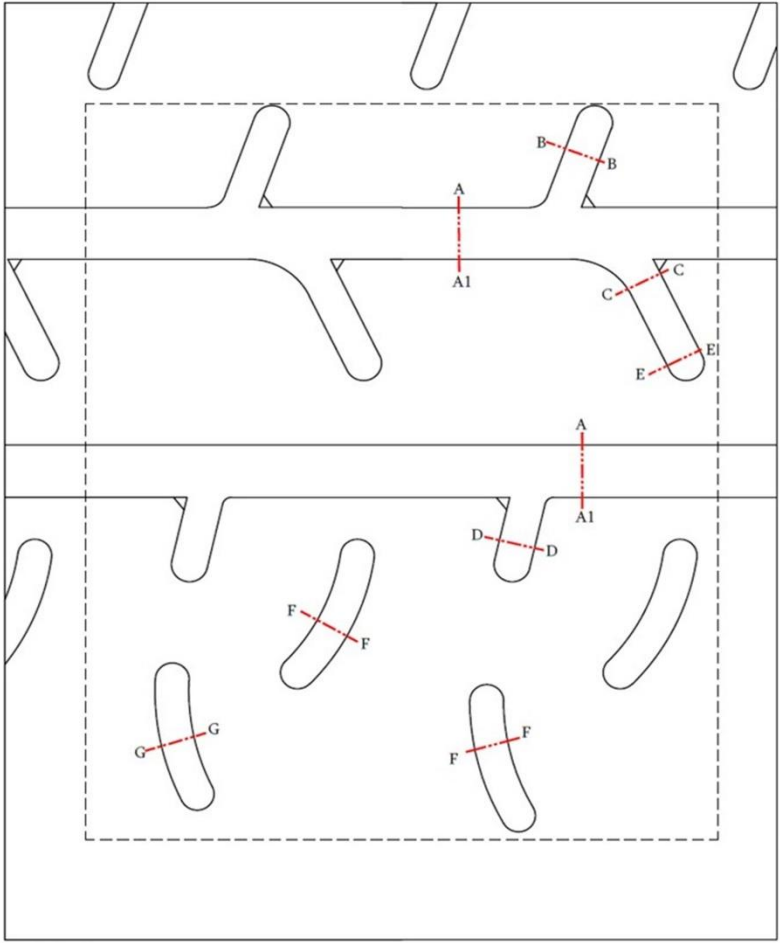


MRF TYRES

18" - 235/40R18



MRF 235/40R18 ZTA1 TL



In the control area 170x140 mm (Indicated in the dotted line)

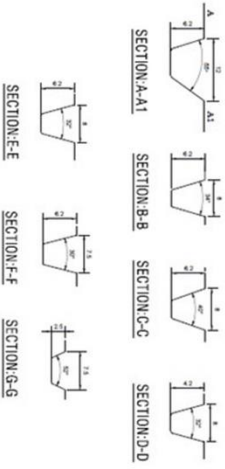
Grooved area within Min. 1.8 deep grooves > 21.5%

Grooved area within Min. 5.5 deep grooves > 17.0%

The total width of the circumferential line is >12 mm

The sum of the width of the grooves encountered by a radial line is >16 mm

CLASS 9"
RIM 8.0"



All dimensions are in mm, unless otherwise specified.

IF IN DOUBT ASK...

THIS DRAWING IS THE PROPERTY OF MRF LTD. THE USE IS LIMITED WITH THE EXPRESS AGREEMENT THAT THE DRAWING AND INFORMATION THEREIN CONTAINED ARE THE PROPERTY OF THE MRF LTD. AND WILL NOT BE REPRODUCED, COPIED, OR OTHERWISE DISCLOSED, OR IN ANY MANNER, WITHOUT THE WRITTEN PERMISSION OF MRF LTD. ANY INFORMATION, IN WHATEVER FORM, THAT IS OBTAINED FROM THIS DRAWING IS TO BE KEPT IN CONFIDENCE AND IS TO BE RETURNED TO THE COMPANY OR ITS AUTHORIZED REPRESENTATIVE ON COMPLETION OF THE JOB.

6

5

4

3

2

1

NOT TO SCALE

F.I.A COMPLIANCE FOR 235/40R18 ZTA1 TL

CORPORATE TECHNICAL MOULD DESIGN DRG No. RR-235/40R18_0518

SAP DOCUMENT TYPE: SAP DOCUMENT No. VER

REV C

S.No.	DATE	DESCRIPTIONS	DRAWN	EVPRD
REVISIONS				
CHENNAI				
DRAWN		APPROVED		
SIGNATURE		T N Sundar		
DATE		EVPRD / PDM		
25.01.18		29.01.18		



INDIA

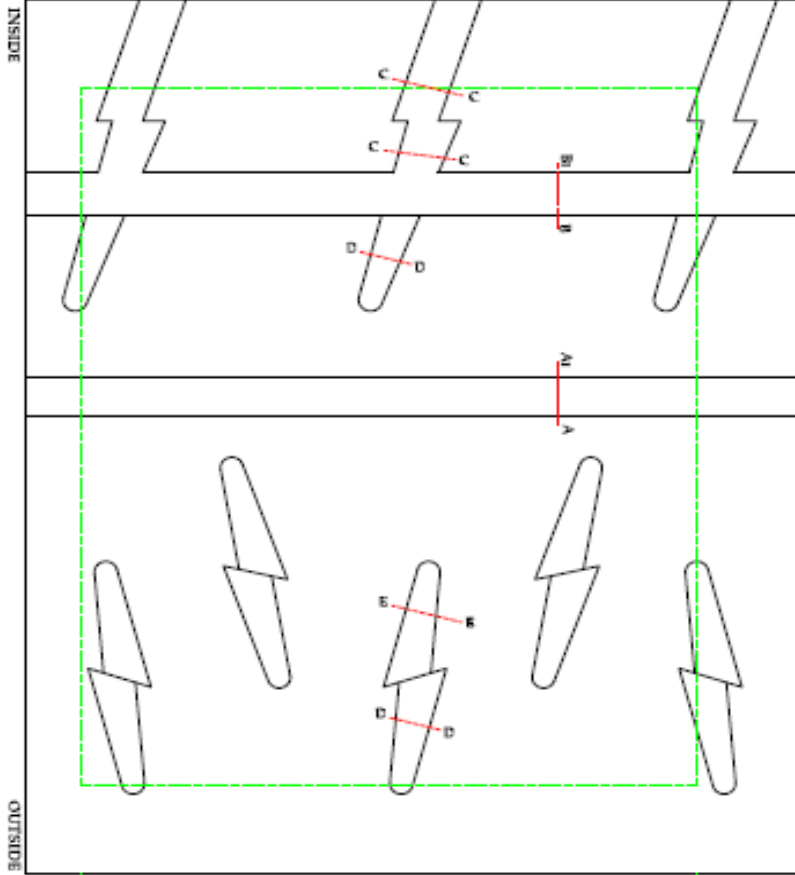
MRF TYRES



18" - 235/40R18

235 / 40 R18 ZTA PLUS TL

170.0

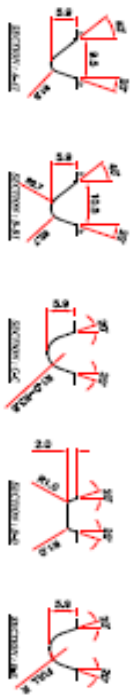


140.0

In the control area 170 x 140 mm (Indicated in the Dotted Line)

Grooved area within Min. 1.8 deep grooves > 21.5%
 Grooved area within Min. 5.5 deep grooves > 17.0%
 The total width of the circumferential line is >12 mm
 The sum of the width of the grooves encountered
 by radial line is >16 mm

CLASS 9"
 RIM 8.0"



IF IN DOUBT ASK...
 DO NOT SCALE THE DRAWING
 ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED
 THE DIMENSIONS OF THE GROOVES ARE TO BE TAKEN AS SHOWN IN THE SECTIONAL VIEWS
 THE GROOVES ARE TO BE TAKEN AS SHOWN IN THE SECTIONAL VIEWS
 THE GROOVES ARE TO BE TAKEN AS SHOWN IN THE SECTIONAL VIEWS
 THE GROOVES ARE TO BE TAKEN AS SHOWN IN THE SECTIONAL VIEWS
 THE GROOVES ARE TO BE TAKEN AS SHOWN IN THE SECTIONAL VIEWS

NOT TO SCALE

SCALE	DATE	DESCRIPTIONS	PREPARED	HEAD	APPROVED / PWD
REVISIONS					
CHENNAI			INDIA		
ZAPR			APPROVED		
DESIGNED	CHECKED/SIGNED			SCALE	
DESIGNED	DESIGNED			SCALE	
DATE	DATE	HEAD/TOOLS/DESIGN	ENGRD / RSM	MIS	
24/02/2021					
F.I.A COMPLIANCE FOR 235/40R18 ZTA PLUS TL					
CORPORATE TECHNICAL WOULD DESIGN			DWG No. FA-0004		
SAP DOCUMENT TIME			SAP DOCUMENT No. VER		
			00		

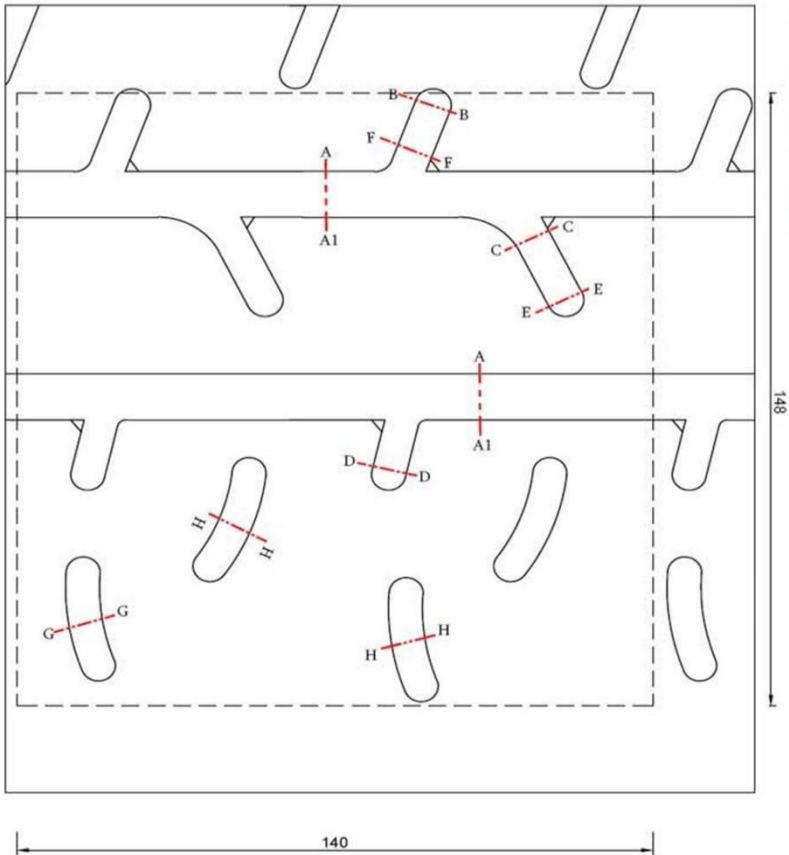


MRF TYRES

16" - 195/50R16



MRF 195/50R16 ZTA1 TL



In the control area 148x140 mm (indicated in the dotted line)

Grooved area within Min. 1.8 deep grooves > 21.5%

Grooved area within Min. 5.5 deep grooves > 17.0%

The total width of the circumferential line is > 12 mm

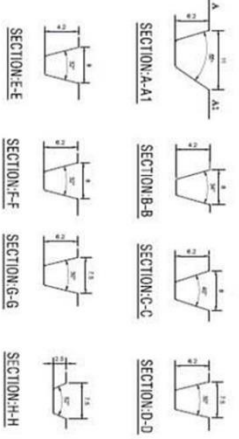
The sum of the width of the grooves encountered by a radial line is > 16 mm

CLASS 8"
RIM 6.5"

All dimensions are in mm, unless otherwise specified.

IF IN DOUBT ASK.

THIS DRAWING IS THE PROPERTY OF MRF LTD. THIS Dwg IS LOANED WITH THE EXPRESS AGREEMENT THAT THE DRAWING AND INFORMATION THEREIN CONTAINED ARE THE PROPERTY OF THE MRF LTD. AND WILL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF IN WHOLE OR IN PART TO ASSIST IN MAKING OR IN PROMOTING ANY REPRODUCTION FOR THE MAKING OF SIMILAR PRINTS, OR OTHER REPRODUCTION THEREOF FOR WHATEVER PURPOSES WITHOUT THE WRITTEN PERMISSION OF MRF LTD. FROM DATED AND SPECIFIC AS TO EACH CASE. THE ACCEPTANCE OF THIS DRAWING WILL BE CONSIDERED AS AN ACCEPTANCE OF THE FOREGOING AGREEMENT. THIS DRAWING IS TO BE RETURNED TO THE COMPANY OR ITS AUTHORIZED REPRESENTATIVE ON COMPLETION OF THE JOB.



NOT TO SCALE

S No.	DATE	DESCRIPTIONS	DRAWN	EVPRD / PDM

CHENNAI		INDIA	
DRAWN	G Krishnaiah	APPROVED	T N Sunder
SIGNATURE	DE	EVPRD / PDM	NTS
DATE	25.01.18	DATE	29.01.18

F.I.A COMPLIANCE FOR 195/50R16 ZTA1 TL

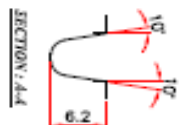
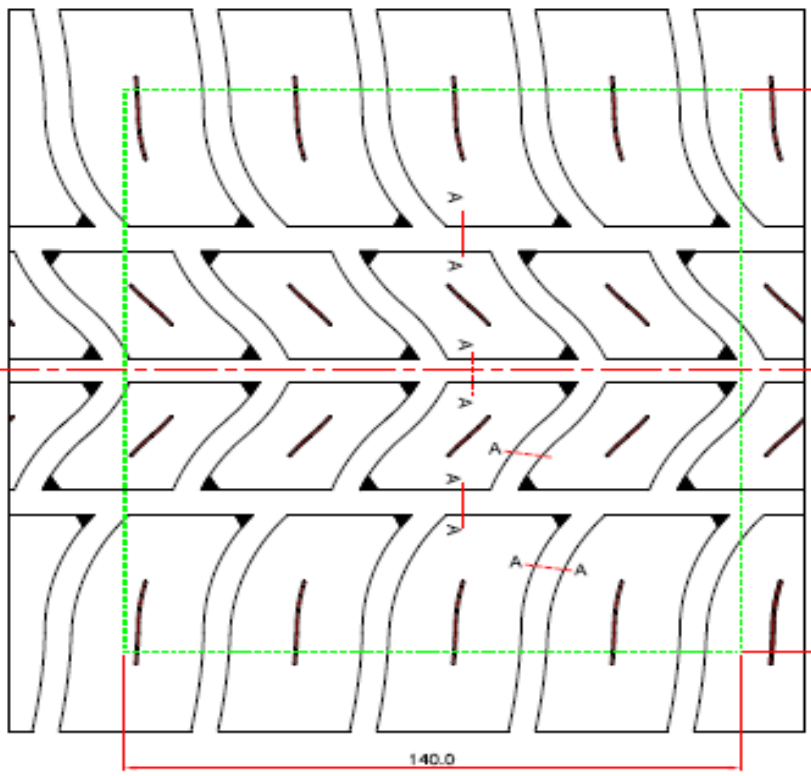
CORPORATE TECHNICAL MOULD DESIGN	DRG No.	RR-195/50R16_0518	REVISION No.	00
SAP DOCUMENT TYPE	SAP DOCUMENT No.	VER		



MRF TYRES

16" - 195/50R16

MRF 195 / 50 R16 ZWR1 TL



THE DRAWING IS THE PROPERTY OF MRF TYRES. THE USER IS LIMITED TO THE SPECIFIC PURPOSES AND CONDITIONS STATED. MRF TYRES ASSUMES NO LIABILITY FOR ANY DAMAGE OR LOSS OF PROFITS, OR FOR ANY OTHER CONSEQUENCES OF ANY KIND, ARISING FROM THE USE OF THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMISSIONS FROM THE APPLICABLE AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMISSIONS FROM THE APPLICABLE AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMISSIONS FROM THE APPLICABLE AUTHORITIES.

In the control area 148 x 140 mm (Indicated in the Dotted Line)
 Grooved area within Min. 5.5 deep grooves > 27.5%
 The total width of the circumferential line is >12 mm
 The sum of the width of the grooves encountered by radial line is >16 mm

CLASS 8"
RIM 6.5"

S.N.O.	DATE	DESCRIPTIONS	REVISION	DESIGN	HEAD	PROJ./REV.

DESIGNER	CHENNAI	DATE	16.02.2021
APPROVED	ZWR1	SCALE	NIS
DATE	16.02.2021	PROJECT	FA-0002

F.I.A COMPLIANCE FOR 195/50 R16 ZWR1 TL

COMPONENT TECHNICAL MODEL DESIGN	DESIGN NO.	FA-0002	REV.	00
SAP DOCUMENT TYPE	SAP DOCUMENT NO.			

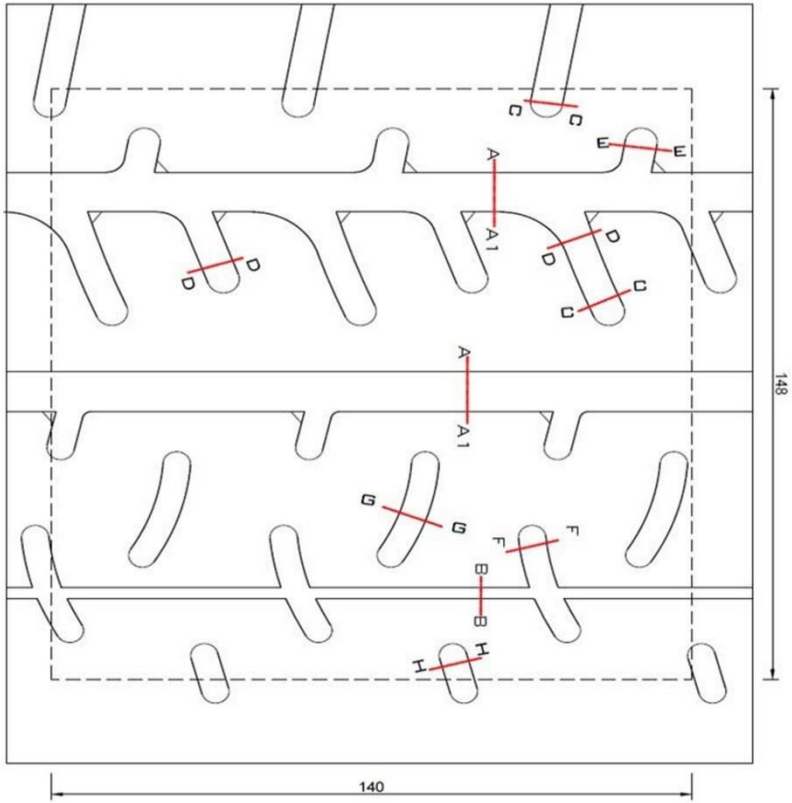


MRF TYRES

15" - 195/50R15



MRF 195/50R15 ZTA1 TL



148

140

In the control area **148x140 mm** (Indicated in the dotted line)

Grooved area within Min. 1.8 deep grooves > 21.5%

Grooved area within Min. 5.5 deep grooves > 17.0%

The total width of the circumferential line is >12 mm

The sum of the width of the grooves encountered by a radial line is >16 mm

**CLASS 8"
RIM 6.5"**

THIS DRAWING IS THE PROPERTY OF MRF LTD. THIS DRAWING IS LOANED WITH THE EXPRESSED AGREEMENT THAT THE DRAWING AND INFORMATION THEREIN CONTAINED ARE THE PROPERTY OF THE MRF LTD. AND WILL NOT BE REPRODUCED, COPIED OR CHANGE IN ANY MANNER OR IN ANY MANNER OR TO FORM OR INFORMATION FOR THE MAKING OF SIMILAR DRAWINGS OR OTHER REPRODUCTIONS THEREOF OR FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF MRF LTD. FIRST DRAFTING AND SPECIFIC AS TO EACH CASE. THE ACCEPTANCE OF THIS DRAWING WILL BE CONSIDERED AS AN ACCEPTANCE OF THE FOREGOING AGREEMENT. THIS DRAWING IS TO BE RETURNED TO THE COMPANY OR ITS AUTHORIZED REPRESENTATIVE ON COMPLETION OF THE JOB.

All dimensions are in mm, unless otherwise specified.

IF IN DOUBT ASK...

NOT TO SCALE

S.No.	DATE	DESCRIPTIONS	DRAWN	EVPRD / PDM

CHENNAI		INDIA	
DRAWN	G Krishnahar	APPROVED	T N Sundar
SIGNATURE	DE	EVPRD / PDM	NTS
DATE	25.01.18	EVPRD / PDM	29.01.18

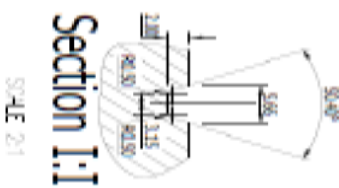
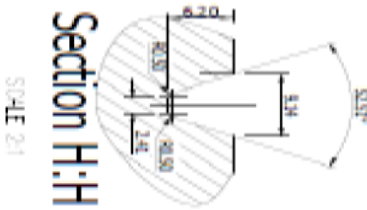
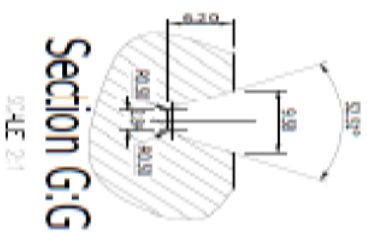
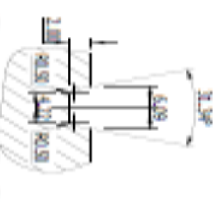
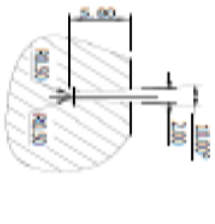
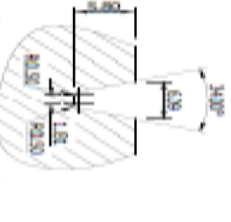
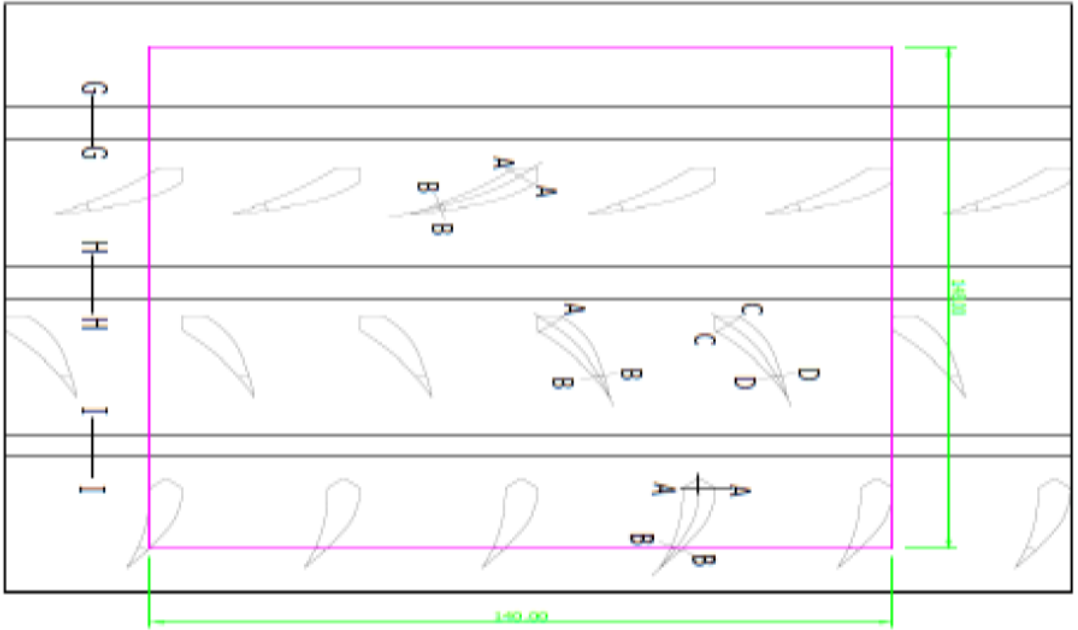
F.I.A COMPLIANCE FOR 195/SOR15 ZTA1 TL

CORPORATE TECHNICAL MOULD DESIGN	DRG No.	RR-195/SOR15_0518	REVISION No.	00
SAP DOCUMENT TYPE	SAP DOCUMENT No.	VER		



COOPERTIRES

15" - 195/50R15



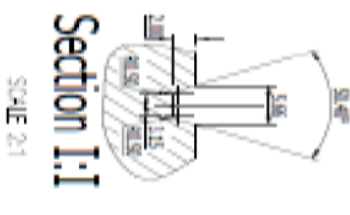
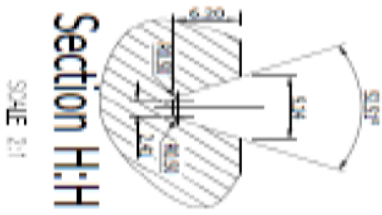
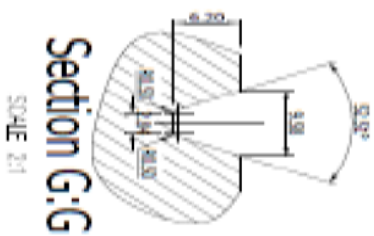
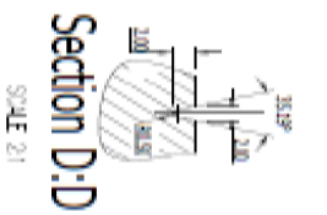
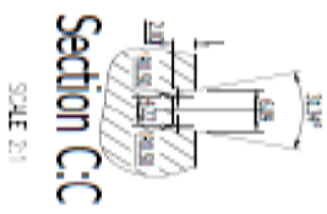
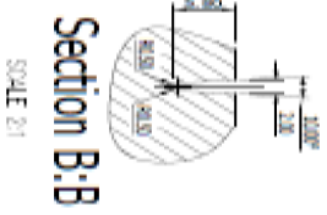
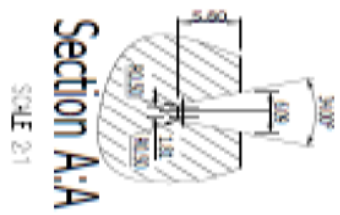
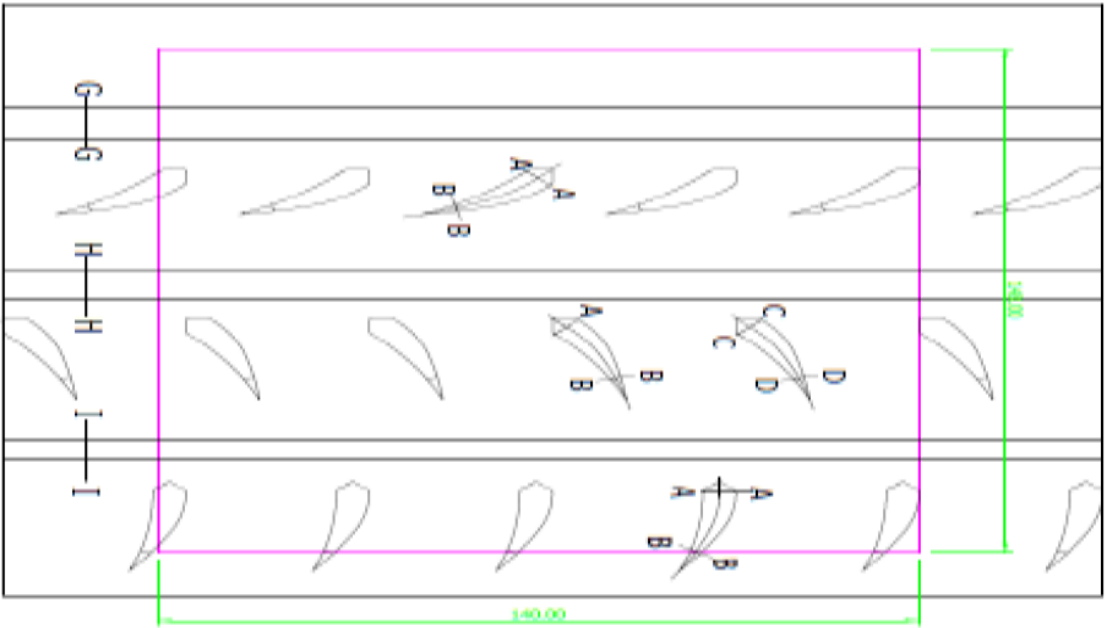
5.5m Groove - 17.74%
Total Grooves - 22.46%

Rim - 7.0"
Class - 8.0"



COOPERTIRES

16" - 195/50R16



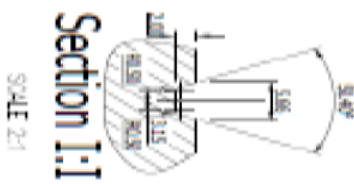
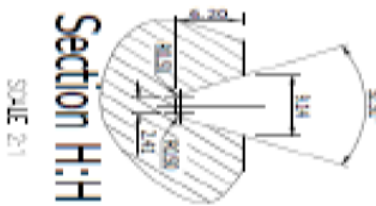
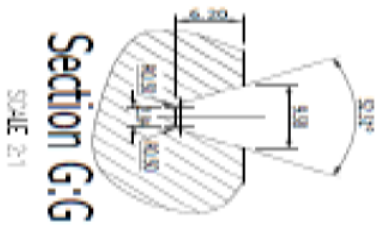
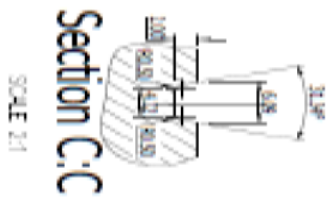
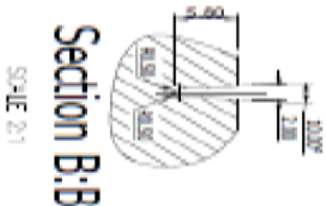
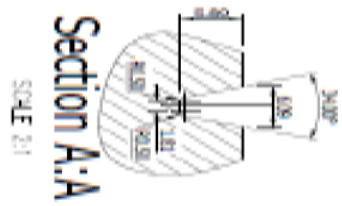
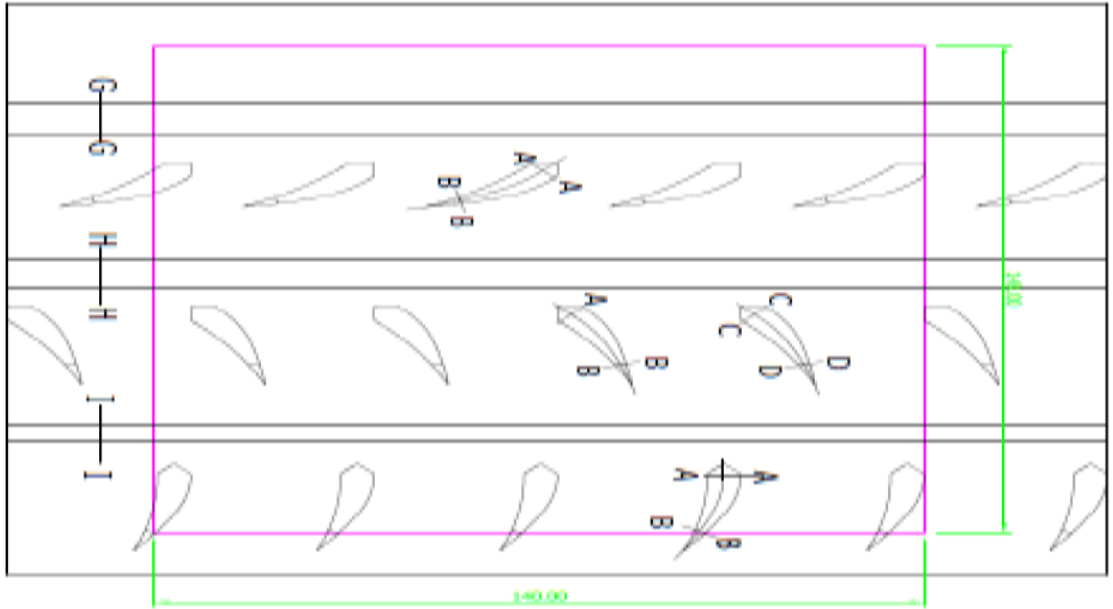
5.5mm Groove - 17.62%
 Total Grooves - 22.35%

Rim - 7.0"
 Class - 8.0"



COOPERTIRES

17" - 205/45R17

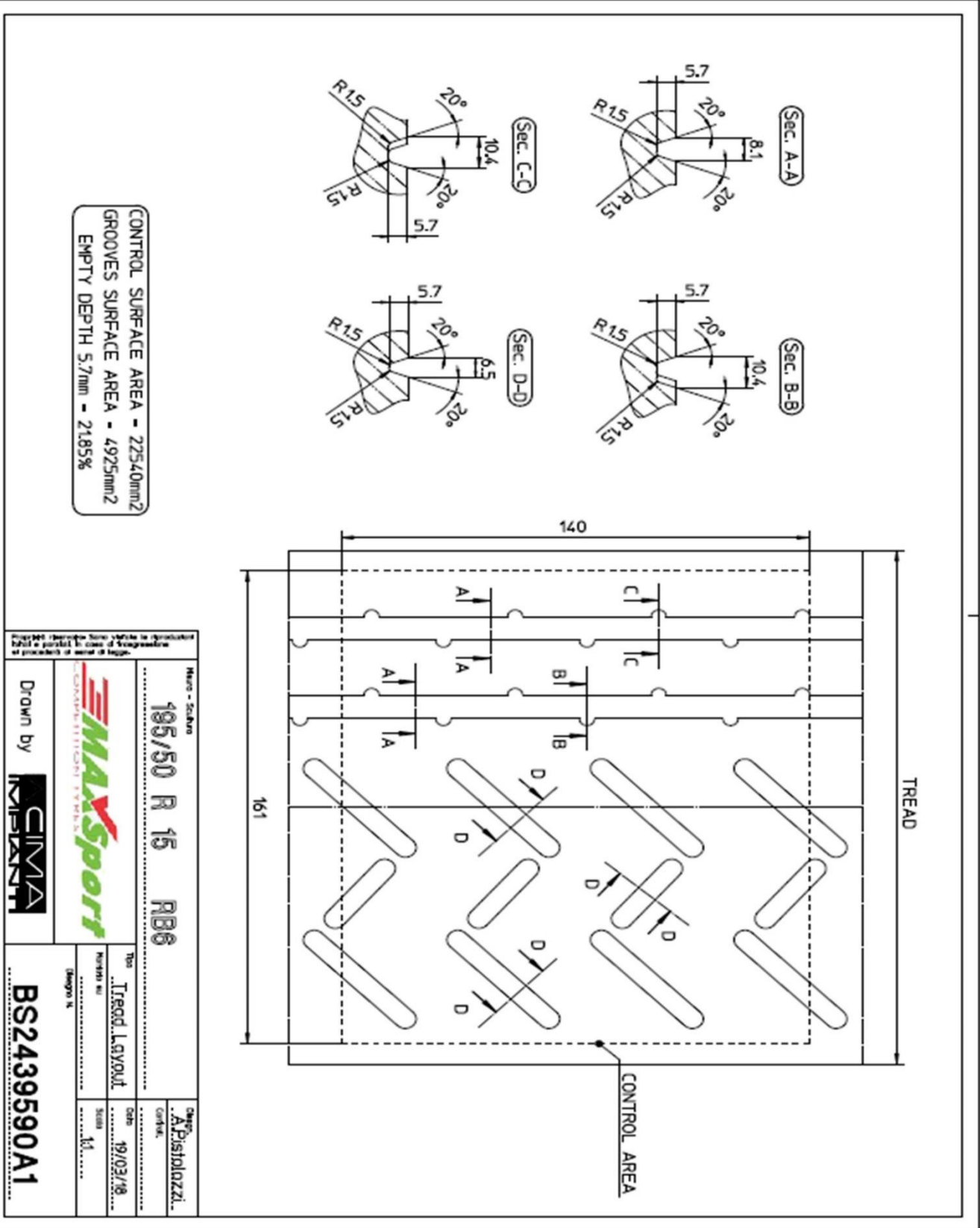


5.5m Groove - 17.78%
 Total Grooves - 22.50%

Rim - 7.0"
 Class - 8.0"

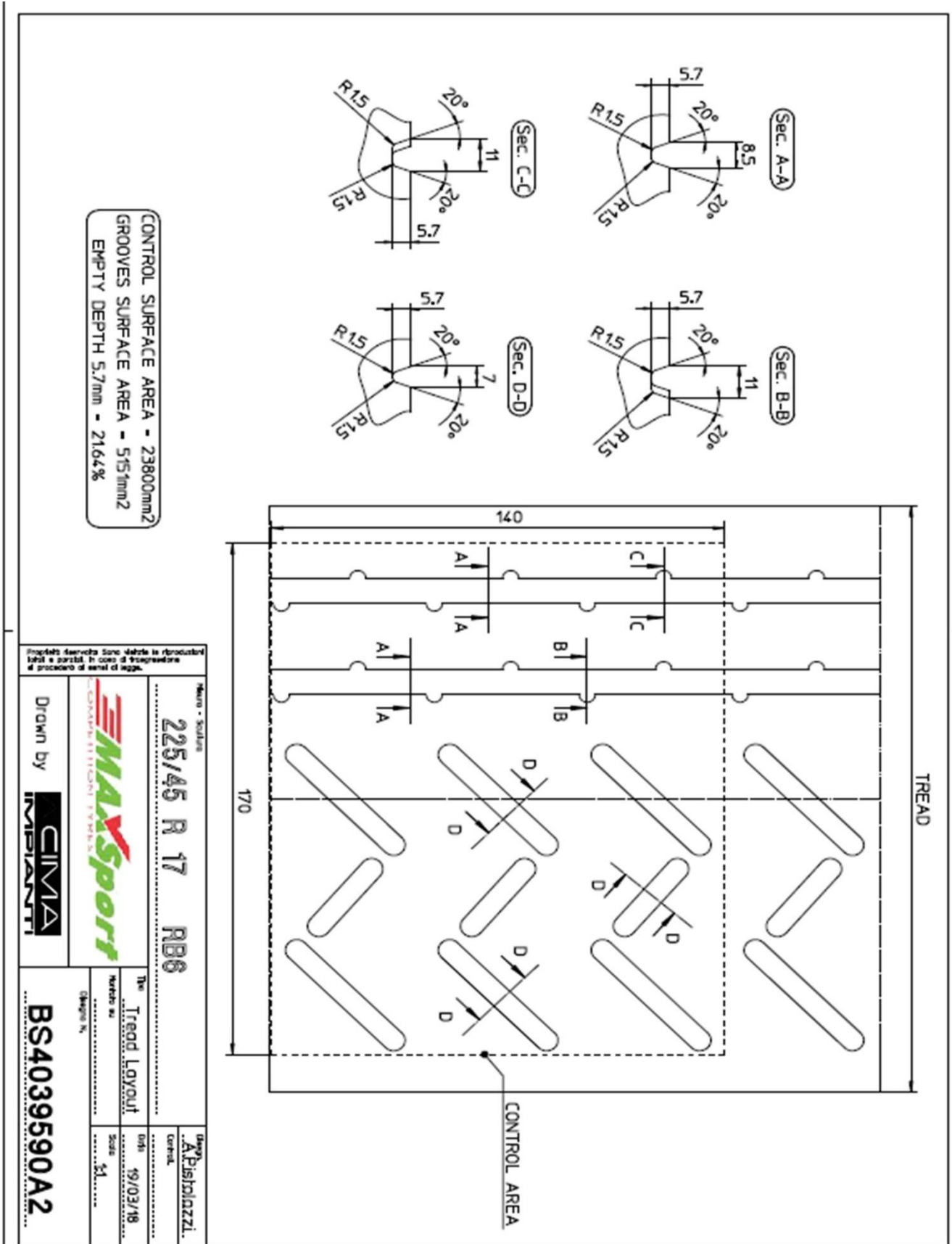


15" - 195 / 50 - R15



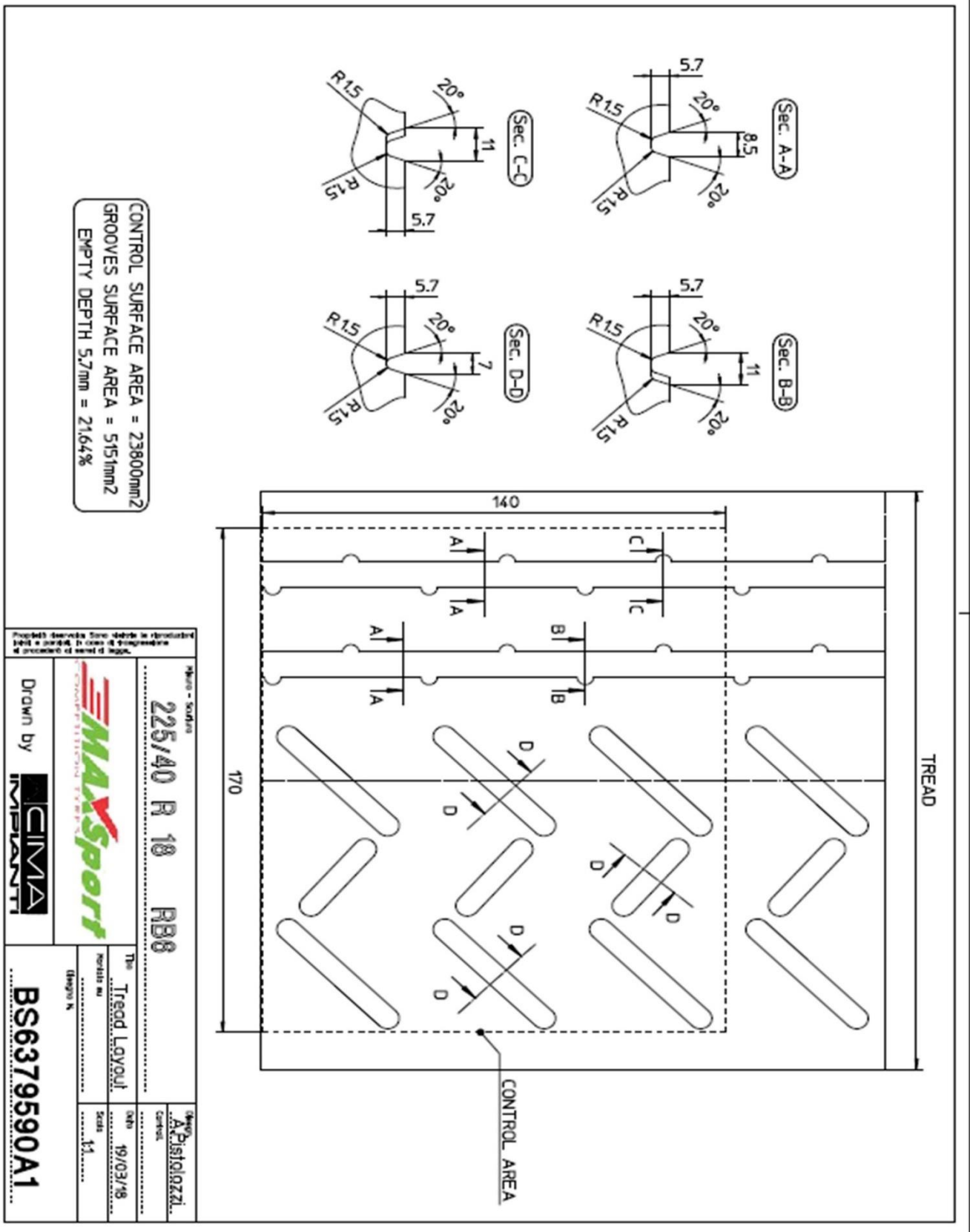


17" - 224 / 45 - R17





18" - 225 / 40 - R18

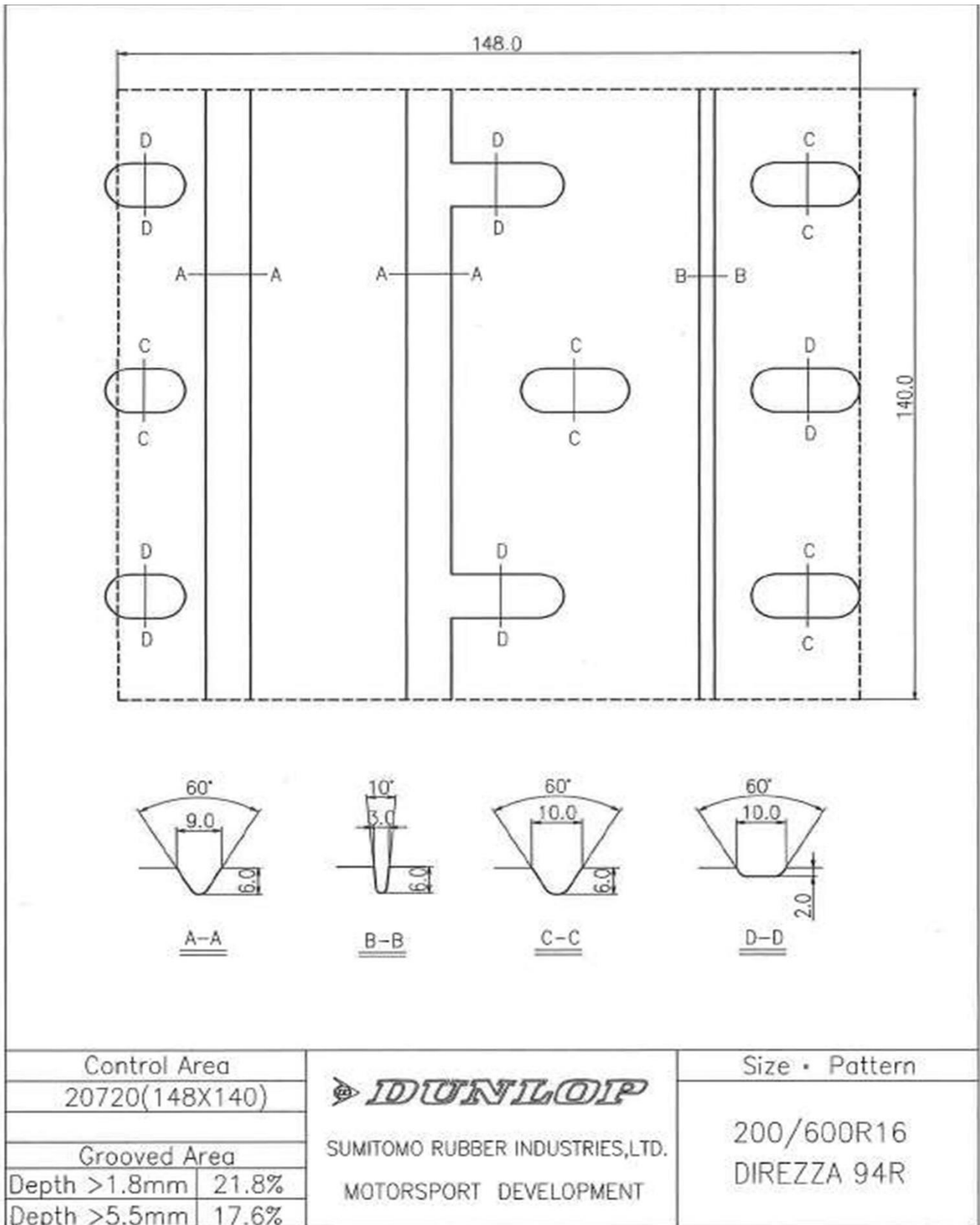


Prodotto e distribuito in Italia e all'estero in conformità con le norme CE e le norme di legge.

	Tipo - Surface 225/40 R 18 RB8	Disegnato da A. Pistolozzi
	The Tread Layout	Data 19/03/18
Drawn by 	Modifica n° Scale 1:1	Control
BS6379590A1		

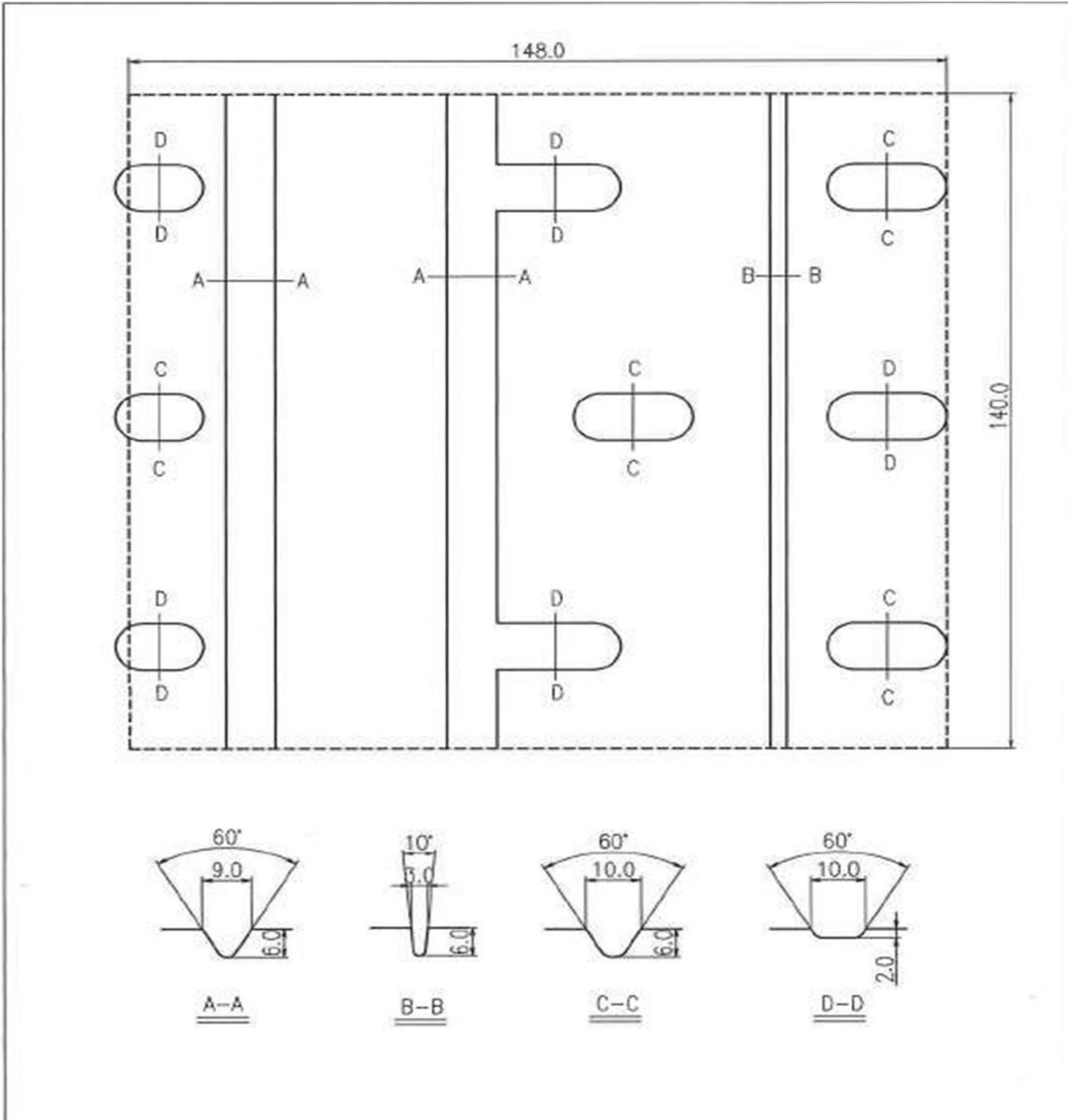


16" - 200 / 600 - R16





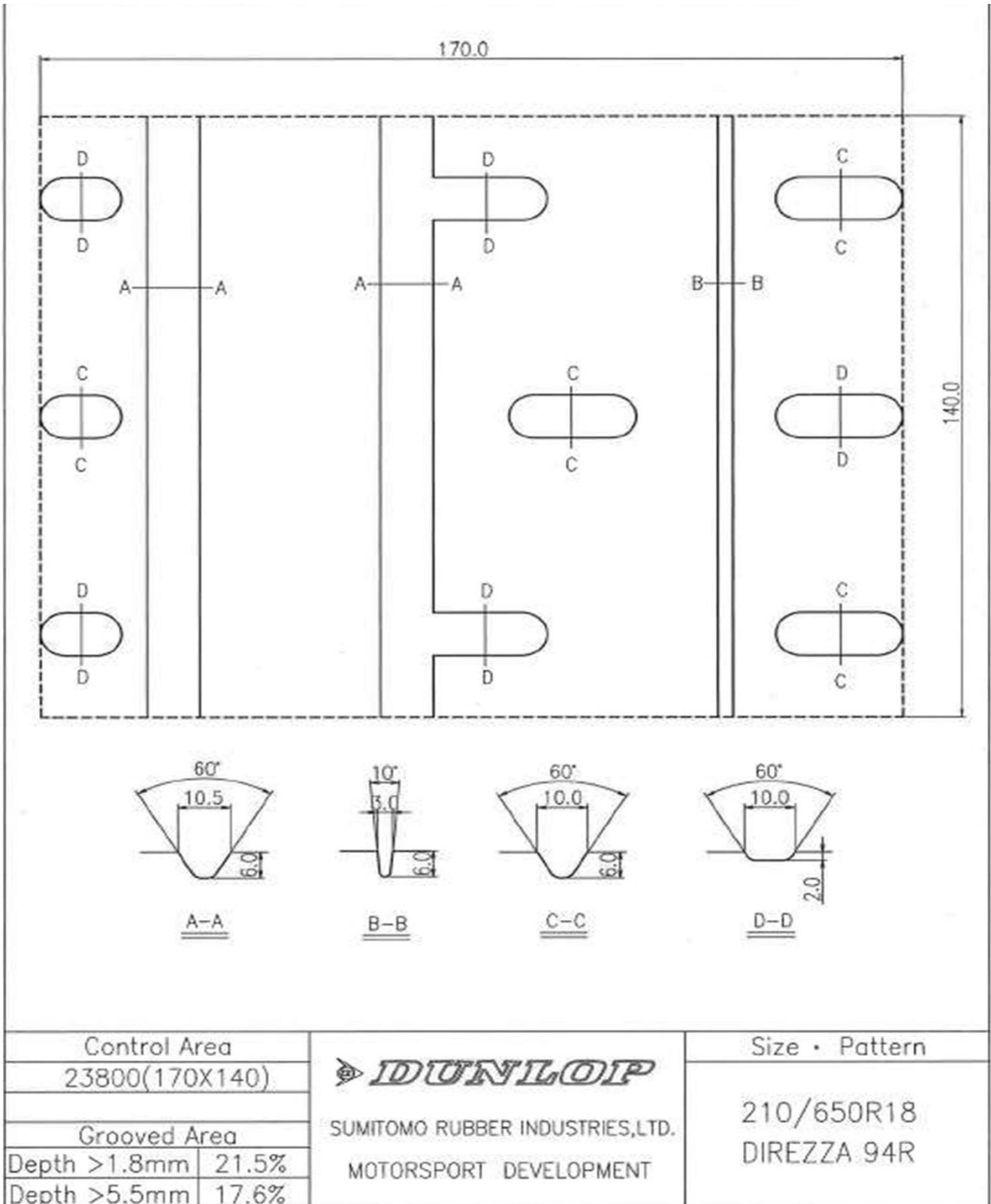
17" - 190/ 625 - R17



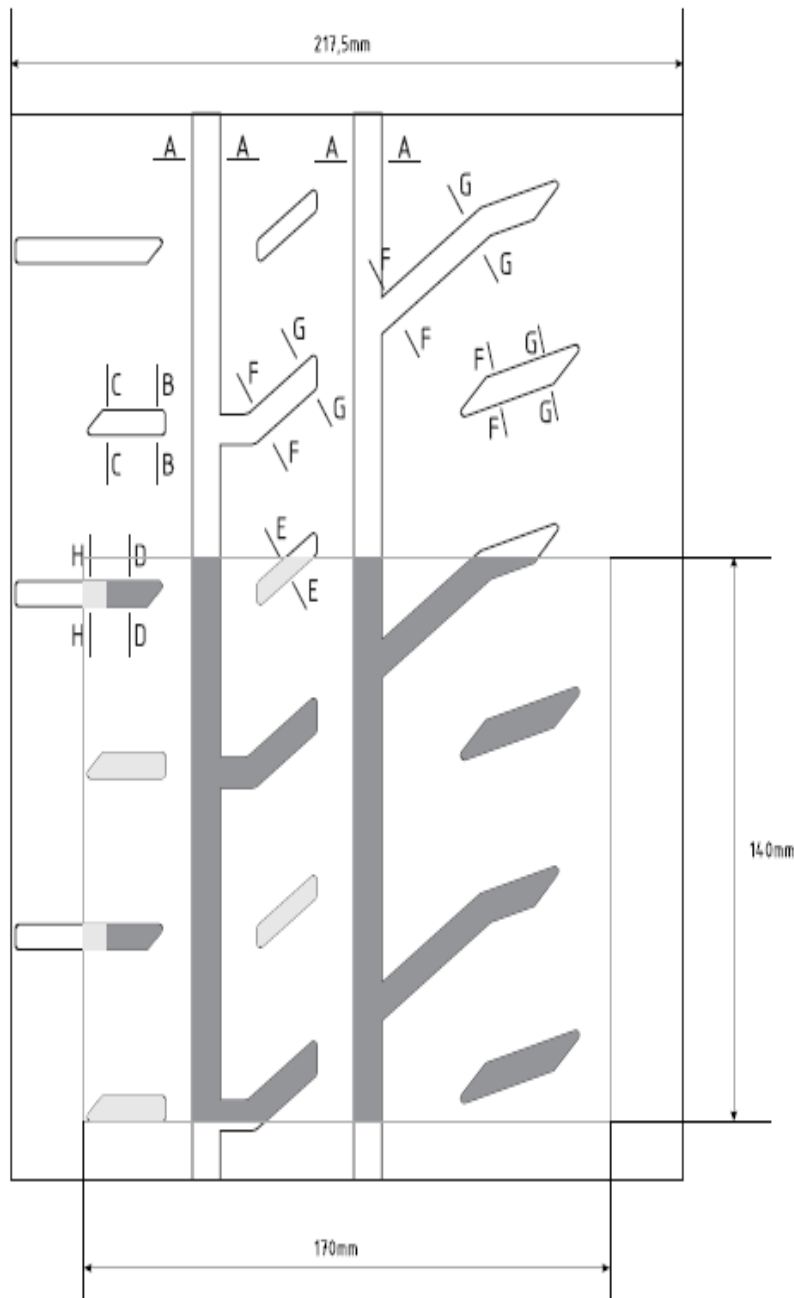
Control Area		 SUMITOMO RUBBER INDUSTRIES, LTD. MOTORSPORT DEVELOPMENT	Size • Pattern
20720(148X140)			190/625R17
Grooved Area			DIREZZA 94R
Depth >1.8mm	21.8%		
Depth >5.5mm	17.6%		



18" - 210/ 650 - R18



18" - 20 / 65 - R18 R-GT



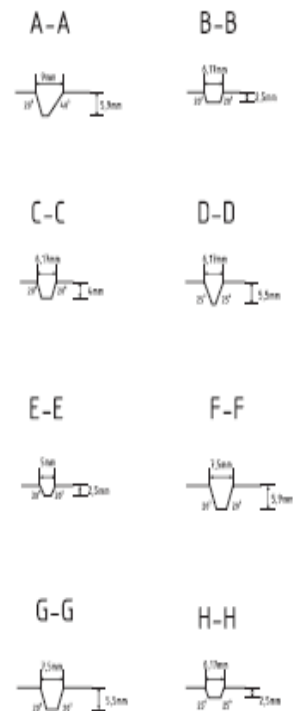
Name: EXTREME VRC

Size: 20/65-18

Width of the tyre/rim assembly: 224mm (8,8")

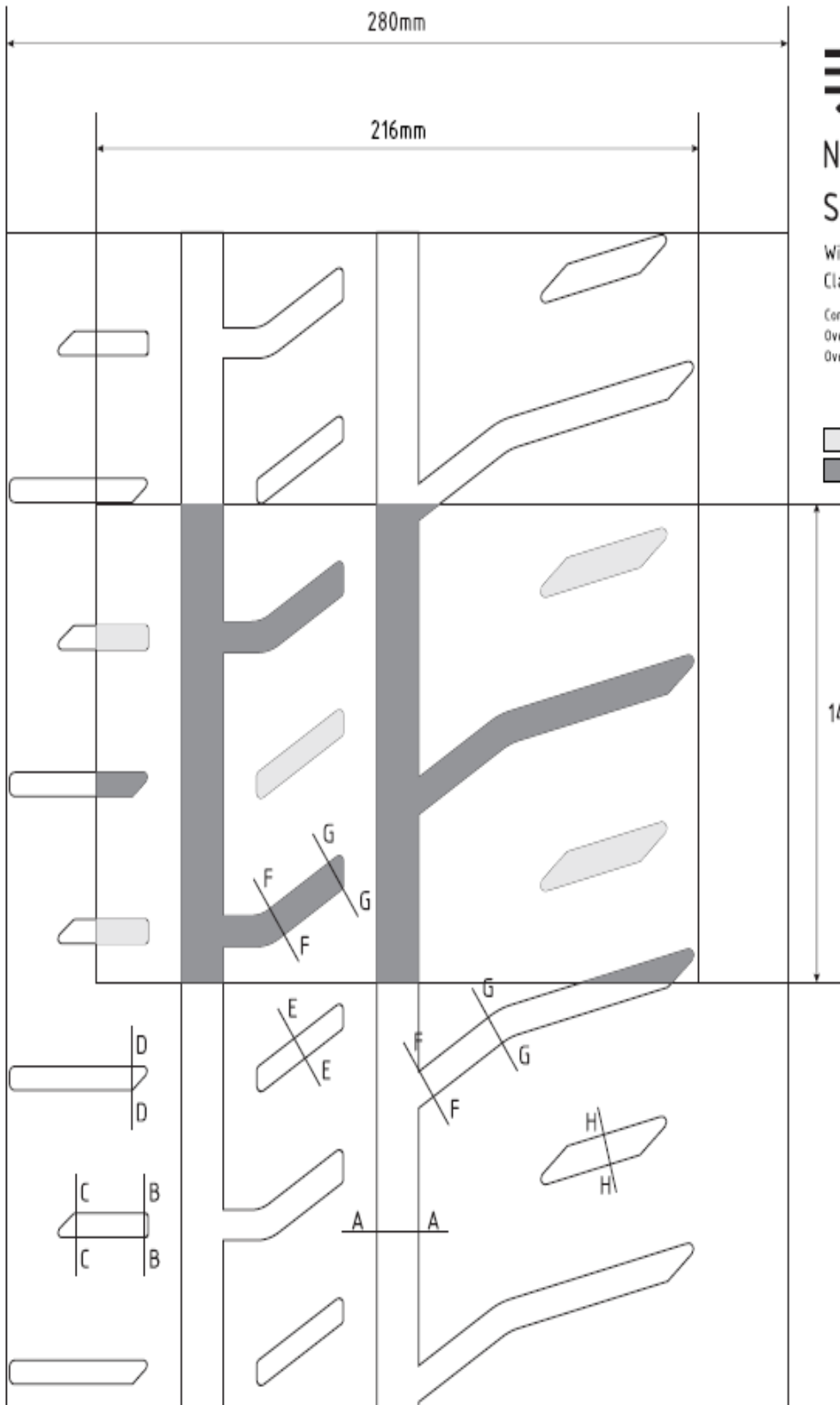
Control area: 170x140mm = 23800mm²
Over 5,5mm depth grooves area = 4550mm² (19,12%)
Over 1,8mm depth grooves area = 5118mm² (21,50%)

□ 1,8mm ≤ groove depth ≤ 5,5mm
■ 5,5mm ≤ groove depth



Scale: 1:1

18" - 28 / 66 - R18 R-GT



Name: EXTREME VRC

Size: 28/66-18

Width of the tyre/rim assembly: 289mm

Class: RGT

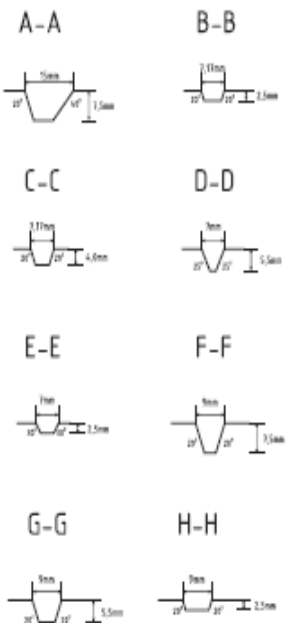
Control area: 216x140mm = 30240mm²

Over 5,5mm depth grooves area = 6295mm² (20,82%)

Over 1,8mm depth grooves area = 7518mm² (24,86%)

1,8mm ≤ groove depth ≤ 5,5mm
5,5mm ≤ groove depth

140mm



Scale: 1:1

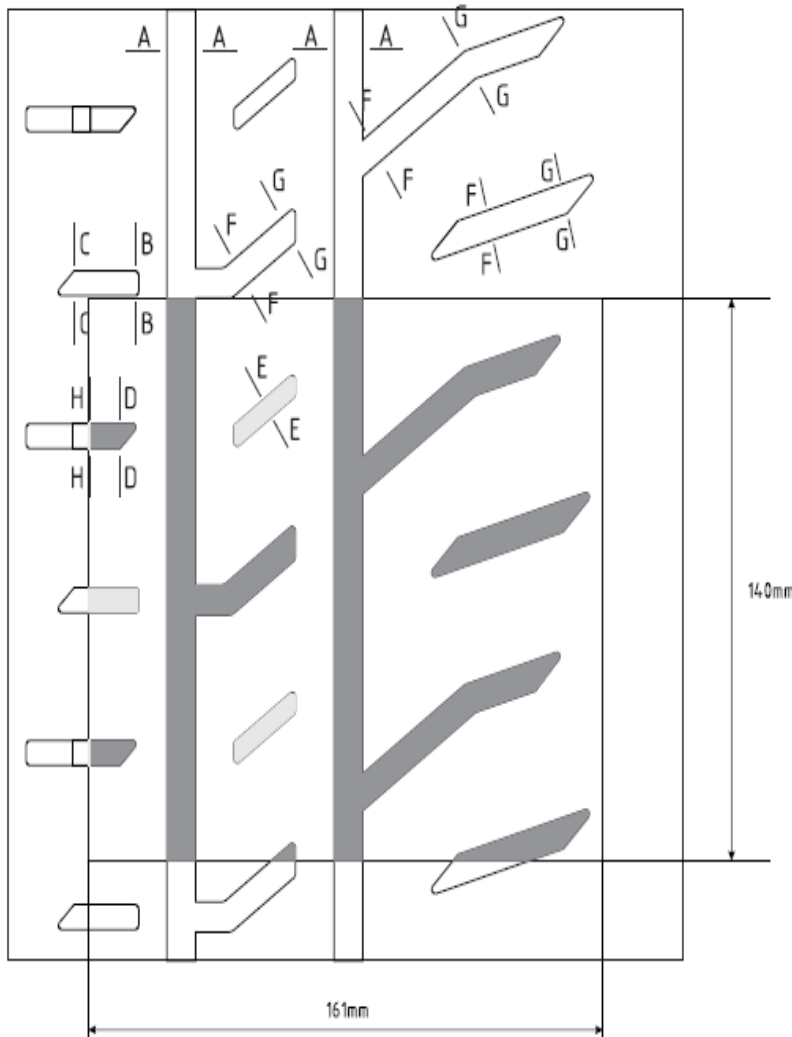
16" - 19 / 60 R16

Name: EXTREME VRC

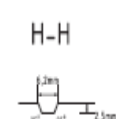
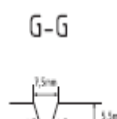
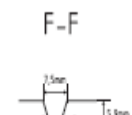
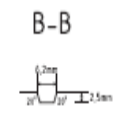
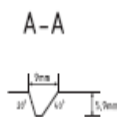
Size: 19/60-16

Width of the tyre/rim assembly: 206mm (8,1

Control area: 161x140mm = 22540mm²
Over 5,5mm depth grooves area = 4518mm² (20,04%)
Over 1,8mm depth grooves area = 4855mm² (21,54%)



1,8mm ≤ groove depth ≤ 5,5mm
 5,5mm ≤ groove depth



Scale: 1:1

15" - 19 / 58 R15

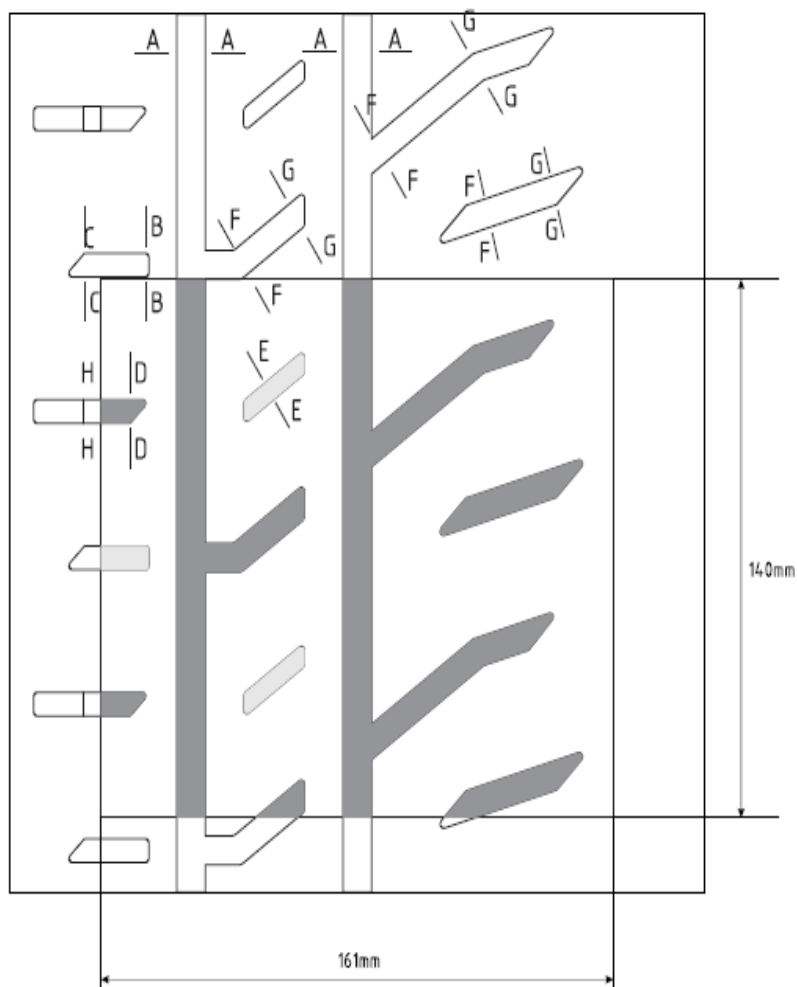
Name: EXTREME VRC

Size: 19/58-15

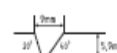
Width of the tyre/rim assembly: 207mm (8,1

Control area: 161x140mm = 22540mm²
Over 5,5mm depth grooves area = 4530mm² (20,10%)
Over 1,8mm depth grooves area = 4852mm² (21,53%)

□ 1,8mm ≤ groove depth ≤ 5,5mm
■ 5,5mm ≤ groove depth



A-A



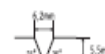
B-B



C-C



D-D



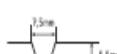
E-E



F-F



G-G



H-H



Scale: 1:1

ANEXO V

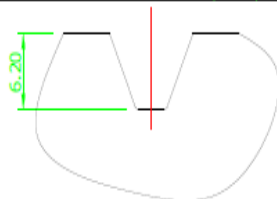
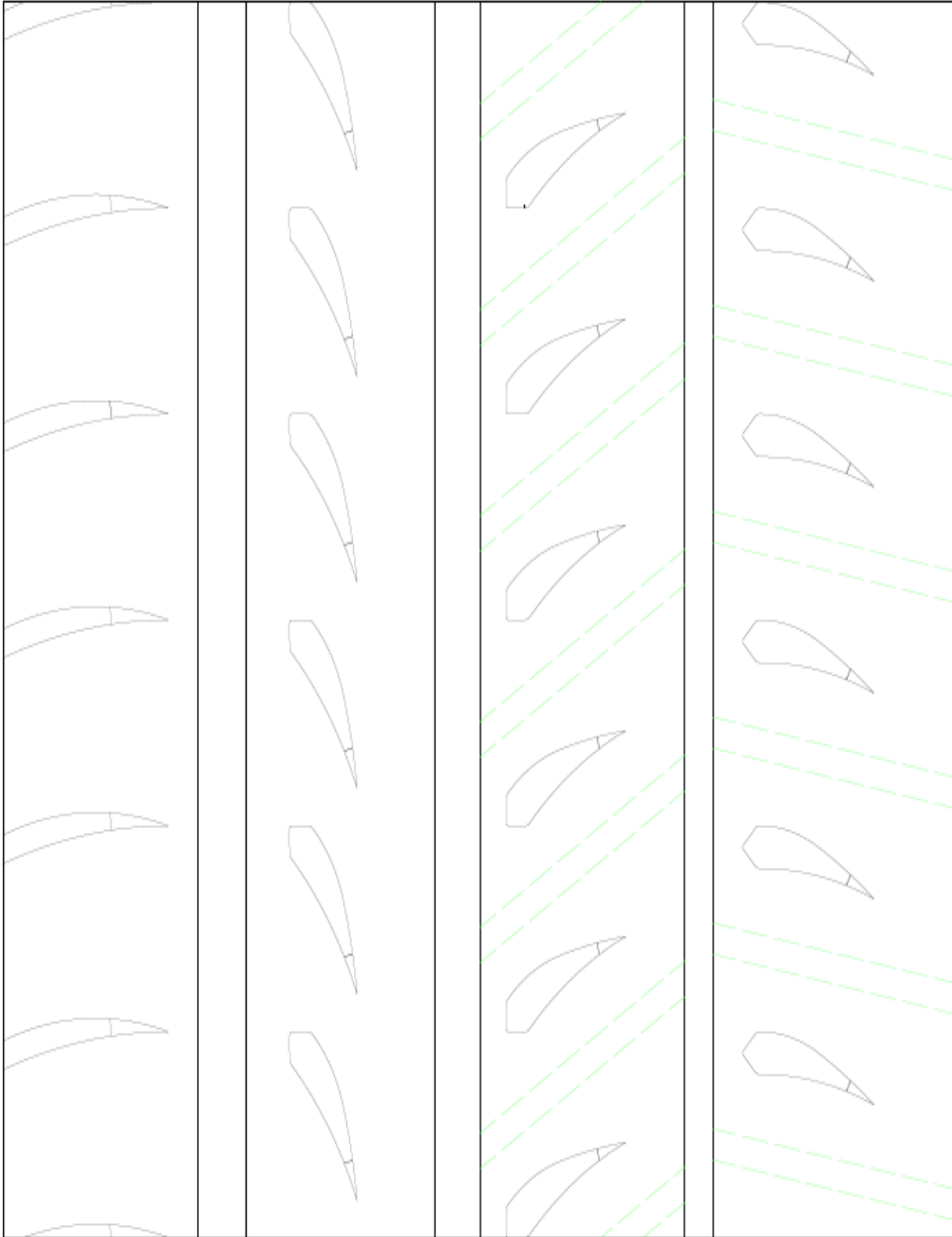
LISTA DE PNEUS AUTORIZADOS PARA RECORTAR E CORTAR PARA CHUVA

SOMENTE PARA PROVAS DO **ERT (TROFÉU EUROPEU DE RALIS)** SE AUTORIZADOS PELA
REGULAMENTAÇÃO ESPECÍFICA



COOPERTIRES

COOPER DISCOVERER TARMAC DT02 - 225/40R18 - WET CUTTING PATTERN – PHASE 1



Cut Groove Depth

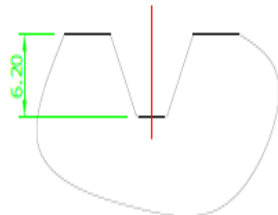
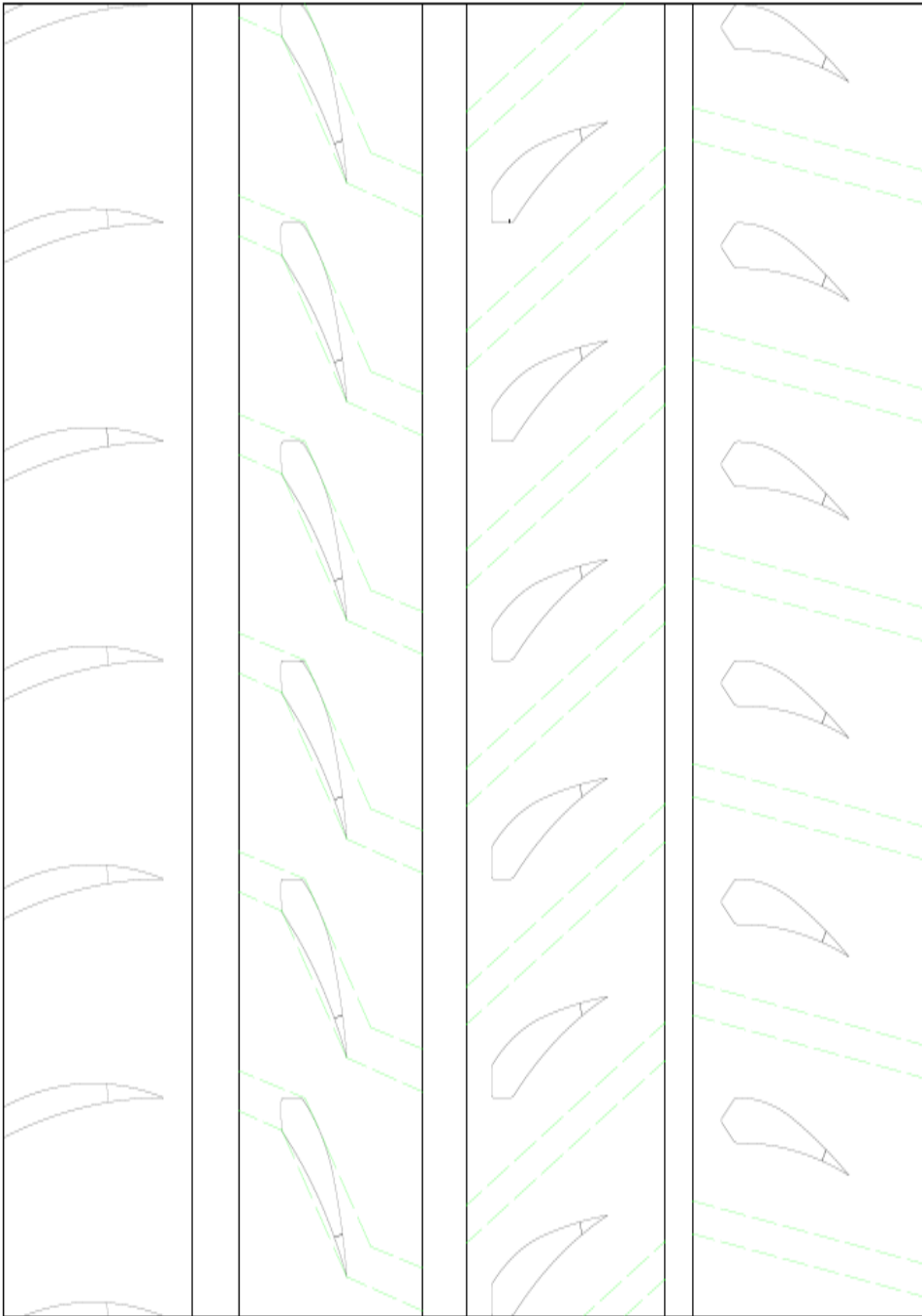
SCALE 2:1

*Green Lines to Be Cut



COOPERTIRES

COOPER DISCOVERER TARMAC DT02 - 225/40R18 - WET CUTTING PATTERN – PHASE 2



Cut Groove Depth

SCALE 2:1

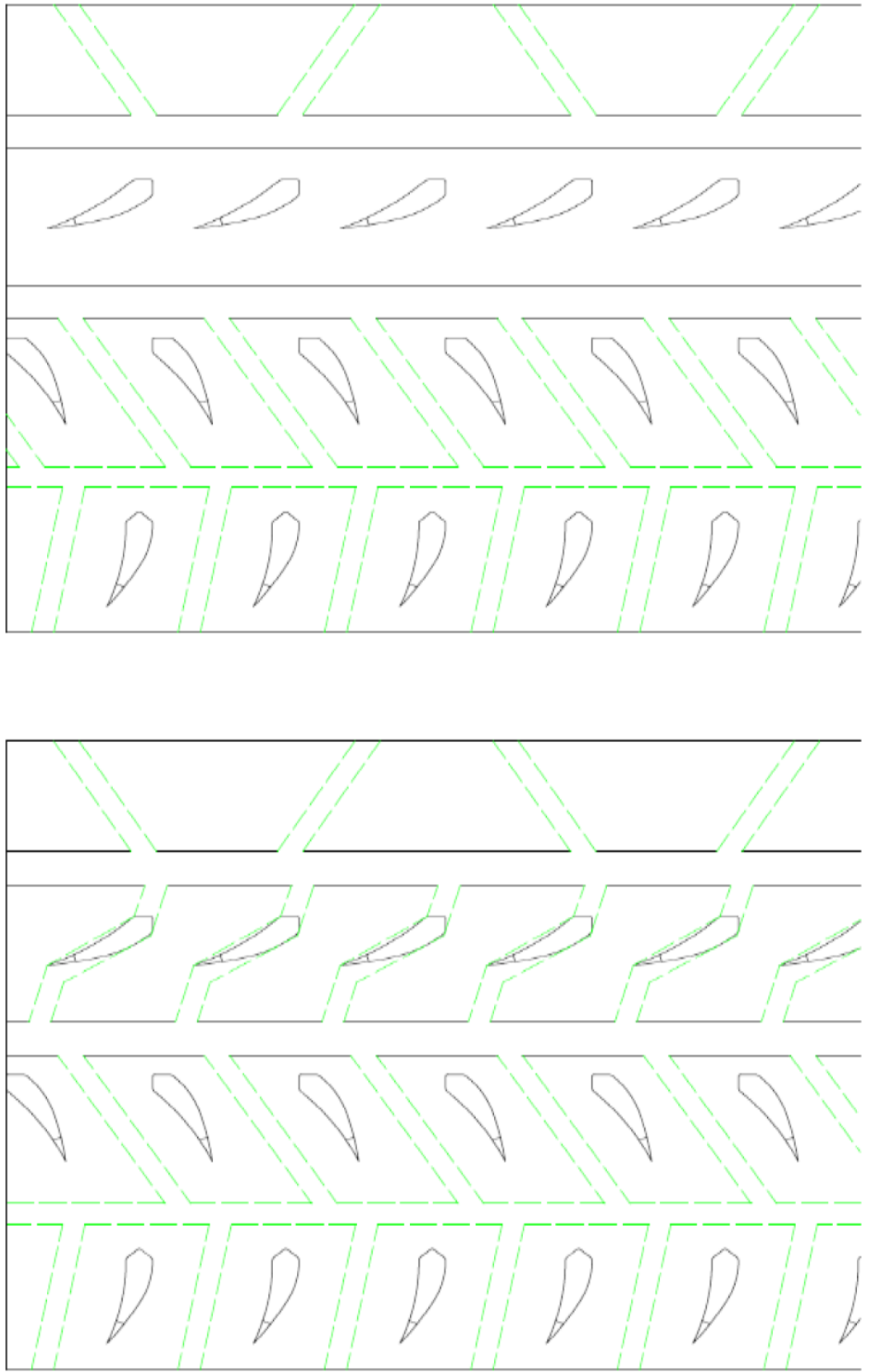
*Green Lines to Be Cut



COOPERTIRES

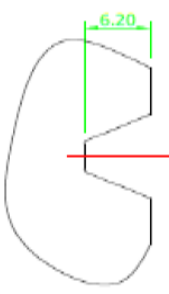
COOPER DISCOVERER TARMAC DT1 - 205/45R17 - WET CUTTING PATTERN

DRAWING REFERENCES



Cut Groove Depth

SCALE 2:1

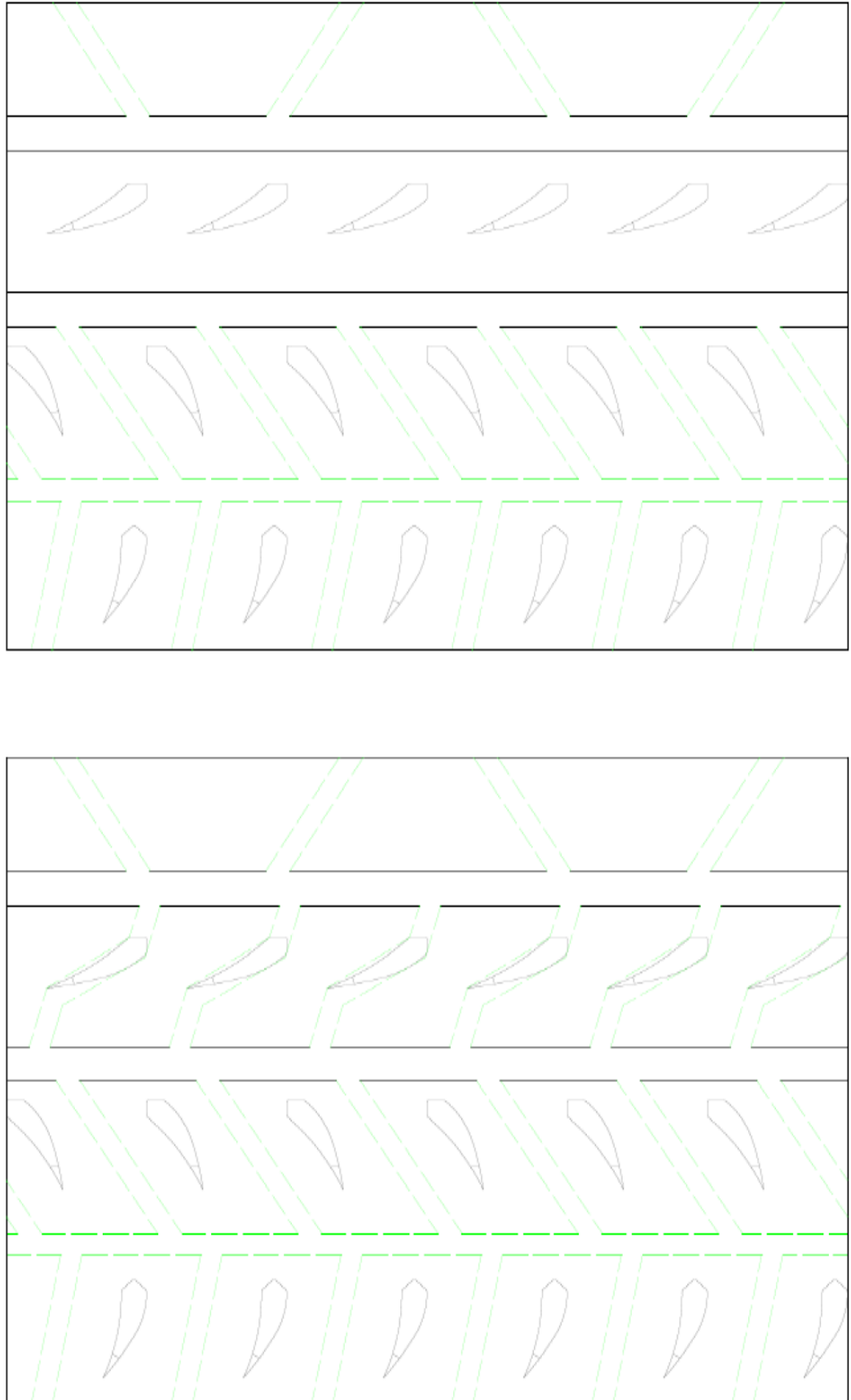


*Green Lines to Be Cut



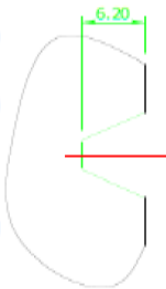
COOPERTIRES

COOPER DISCOVERER TARMAC DT1 - 195/50R16 - WET CUTTING PATTERN



Cut Groove Depth

SCALE 2:1



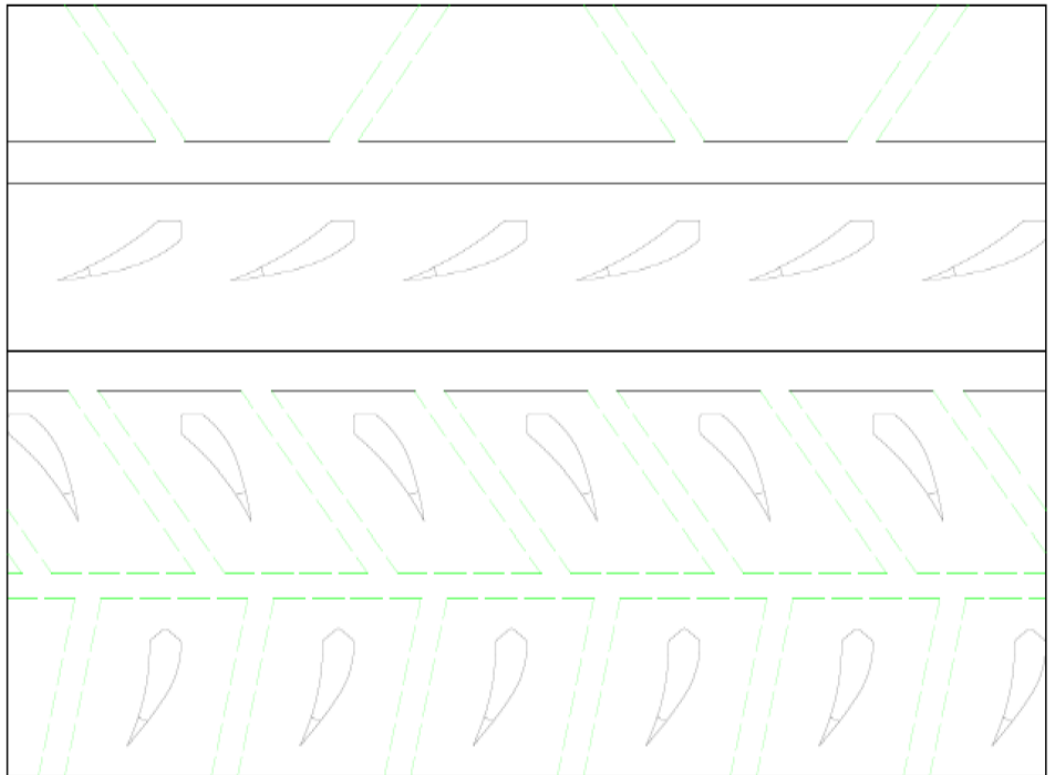
*Green Lines to Be Cut



COOPERTIRES

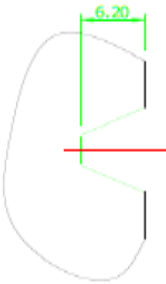
COOPER DISCOVERER TARMAC DT1 - 195/50R15 - WET CUTTING PATTERN

Intermediate



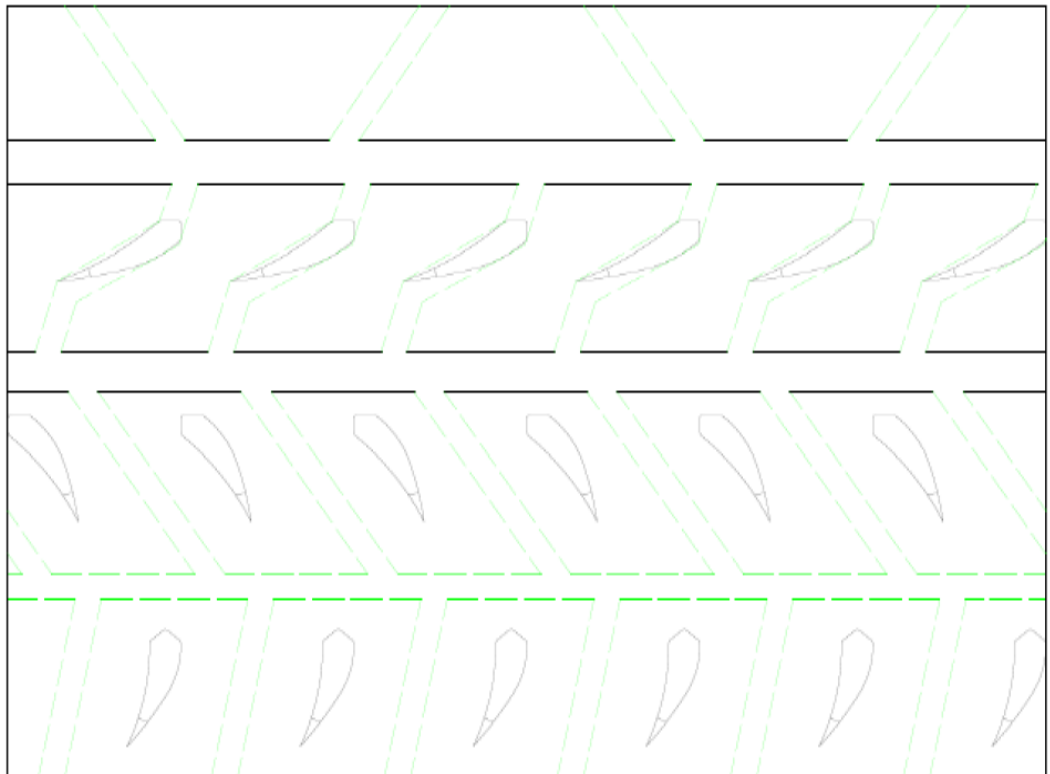
Cut Groove Depth

SCALE 2:1



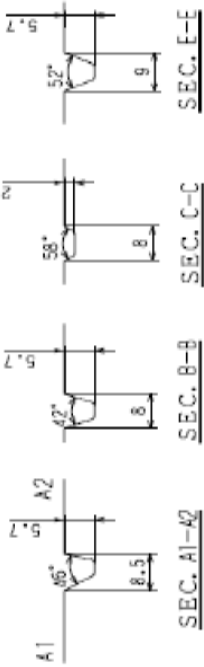
*Green Lines to Be Cut

Full Wet



PRODUCT NAME
YOKOHAMA ADVAN A051T

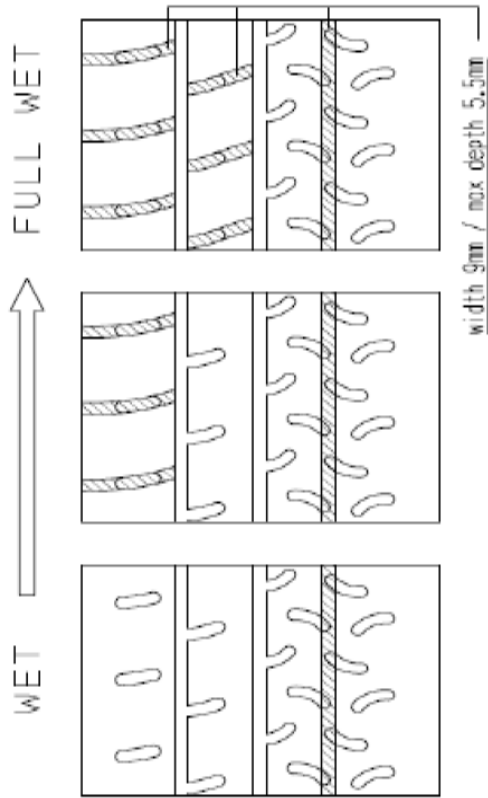
PATTERN NAME
A051A



In the control area
 5.5mm grooves-18.1%
 Total grooves-22.2%

----- Control area 170X140
 Tyre weight 9.7kg

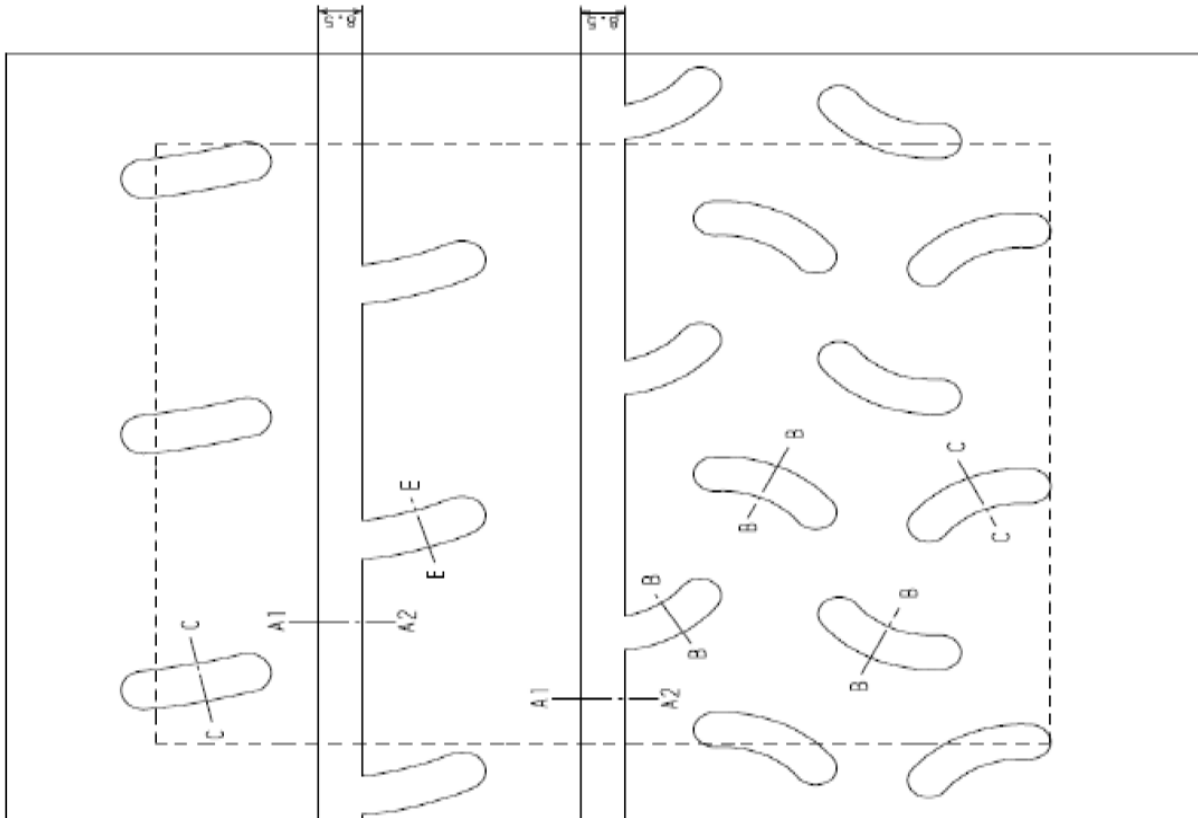
HAND-CUT GROOVE RECOMMENDATION



PRODUCT NAME
YOKOHAMA ADVAN A051T

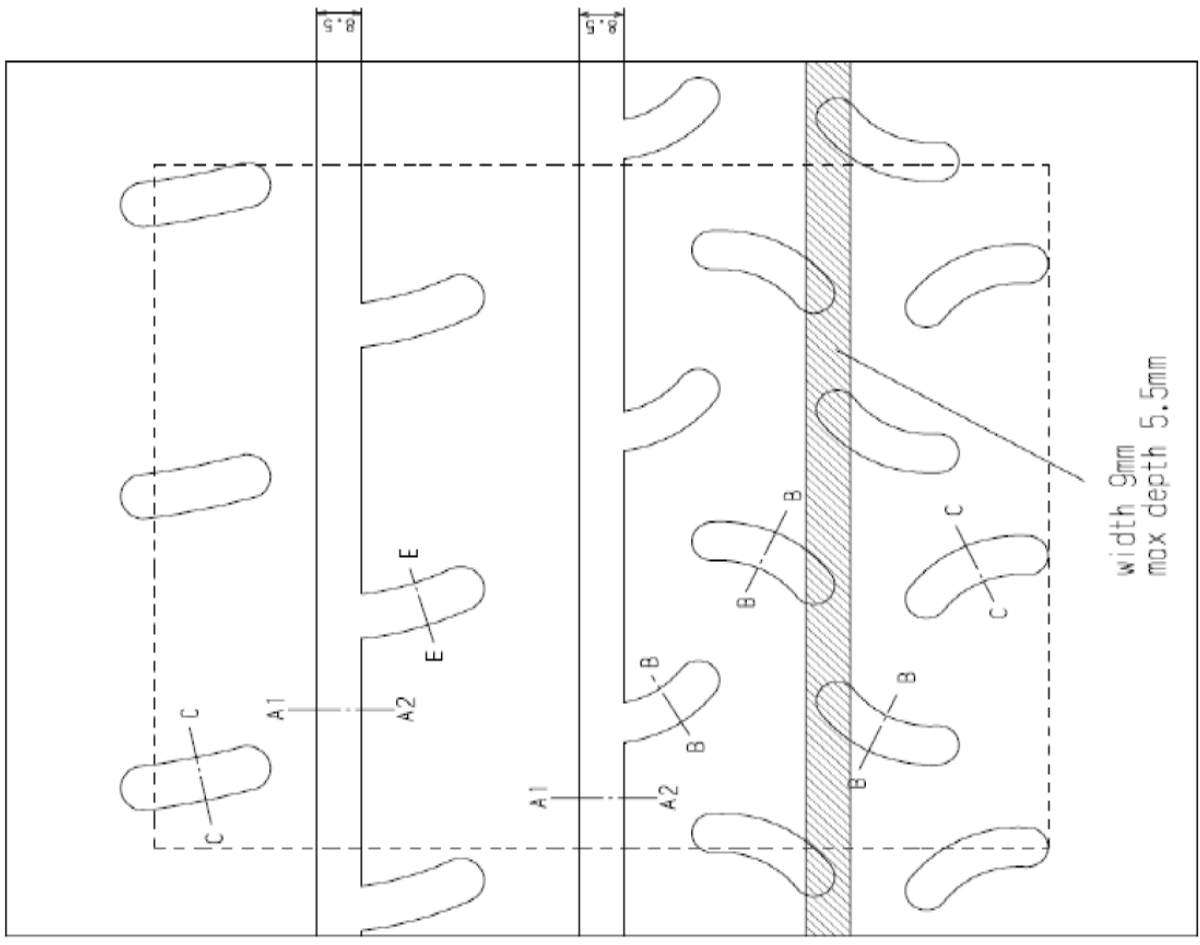
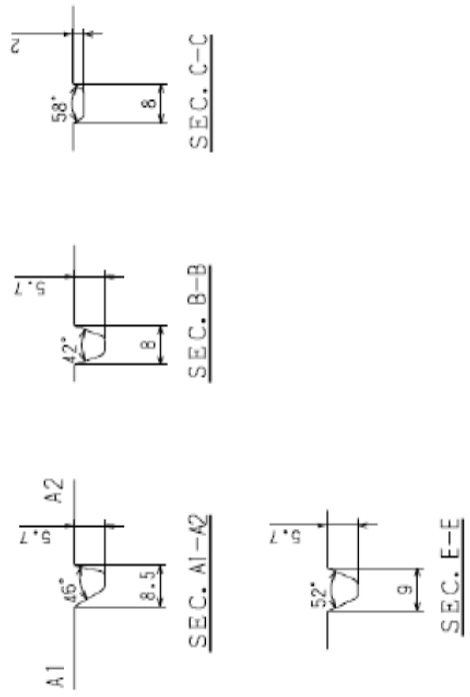
PATTERN NAME
A051A

SIZE 210/650R18



YOKOHAMA ADVAN A051T
PATTERN NAME
A051A
SIZE 210/650R18

HAND-CUT GROOVE RECOMMENDATION



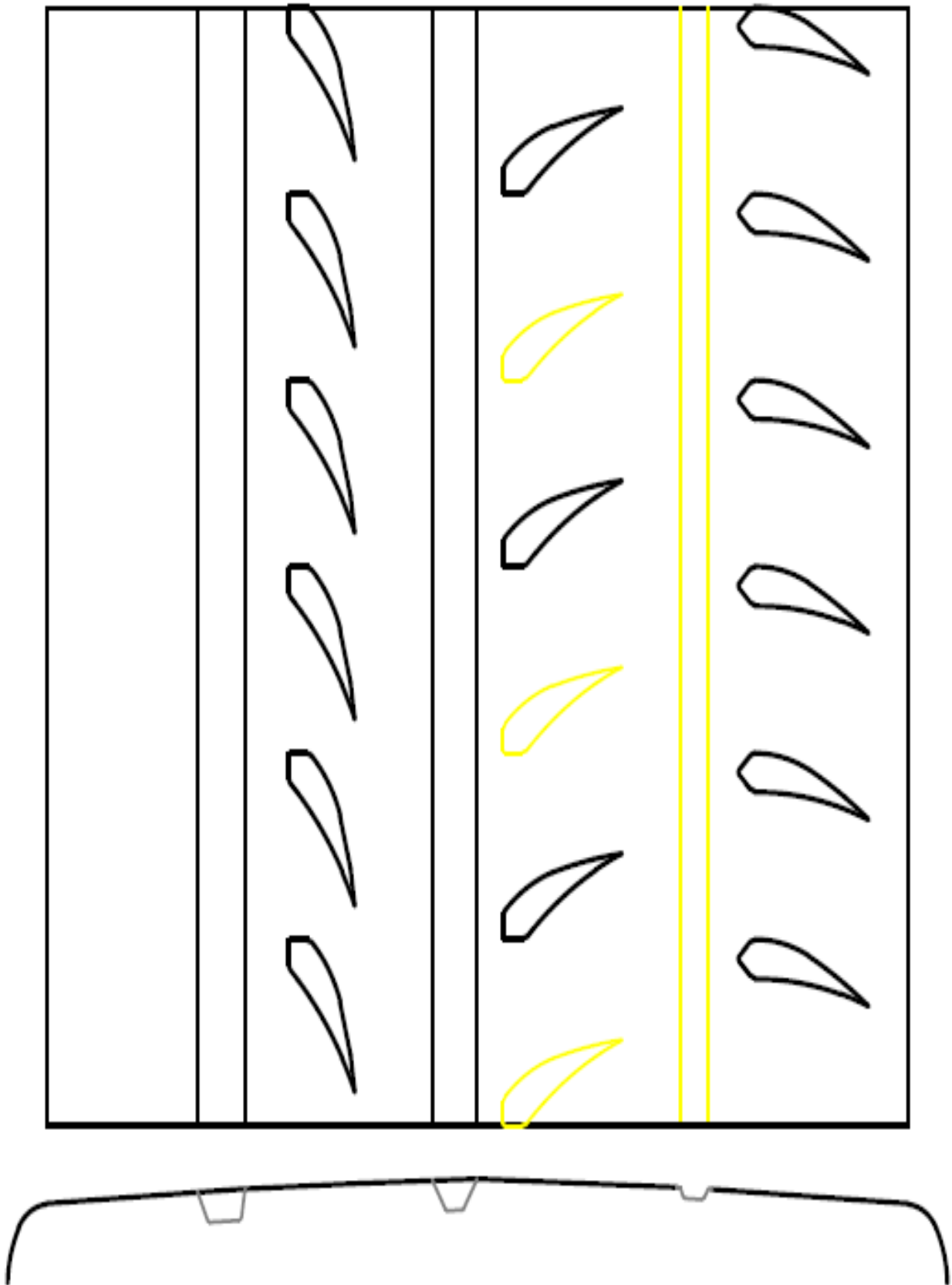
In the control area
 5.5mm grooves-18.1%
 Total grooves-22.2%
 ----- Control area 170X140
 Tyre weight 9.7kg

PRODUCT NAME
YOKOHAMA ADVAN A051T

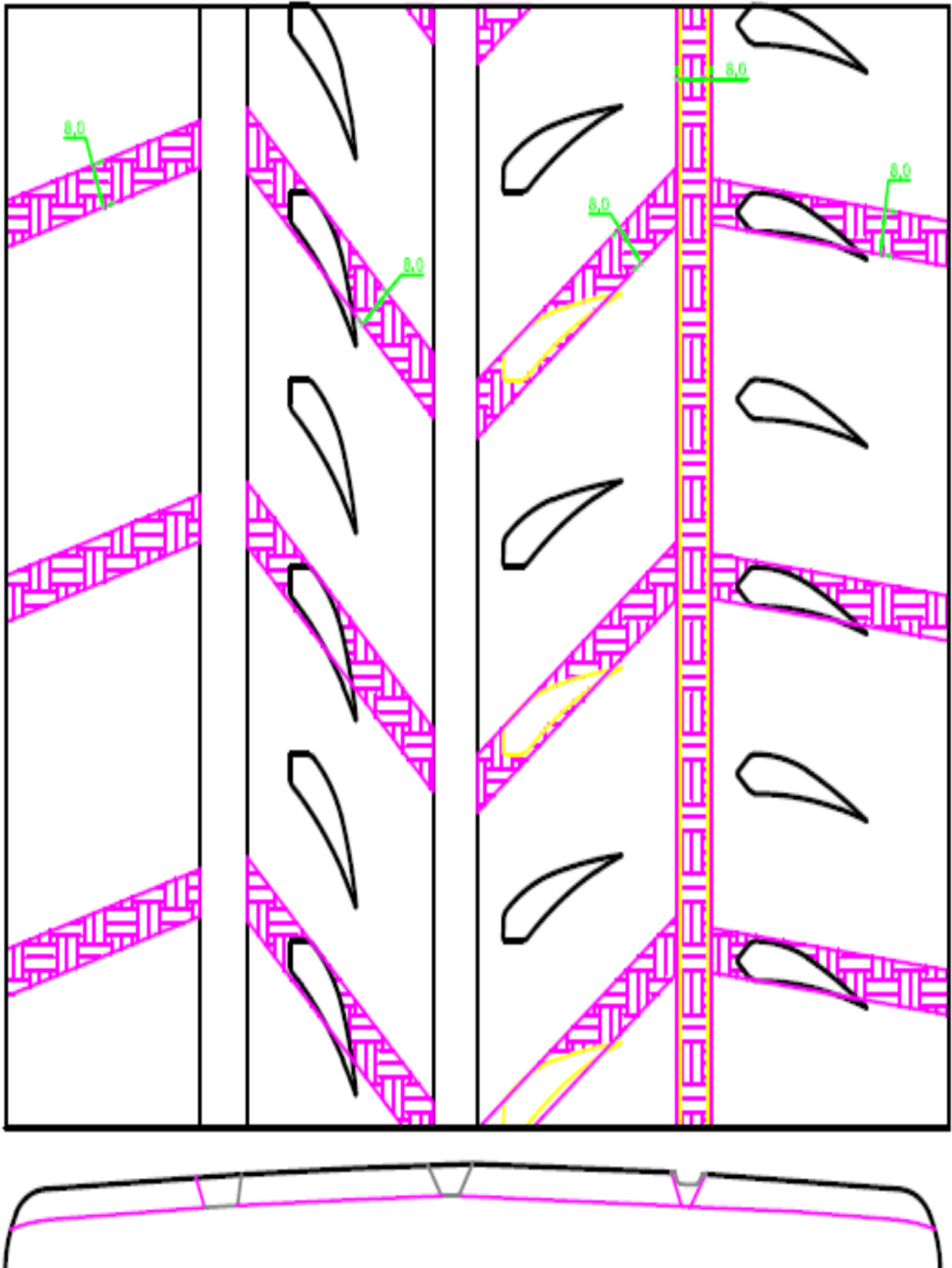
PATTERN NAME
A051A

SIZE 210/650R18

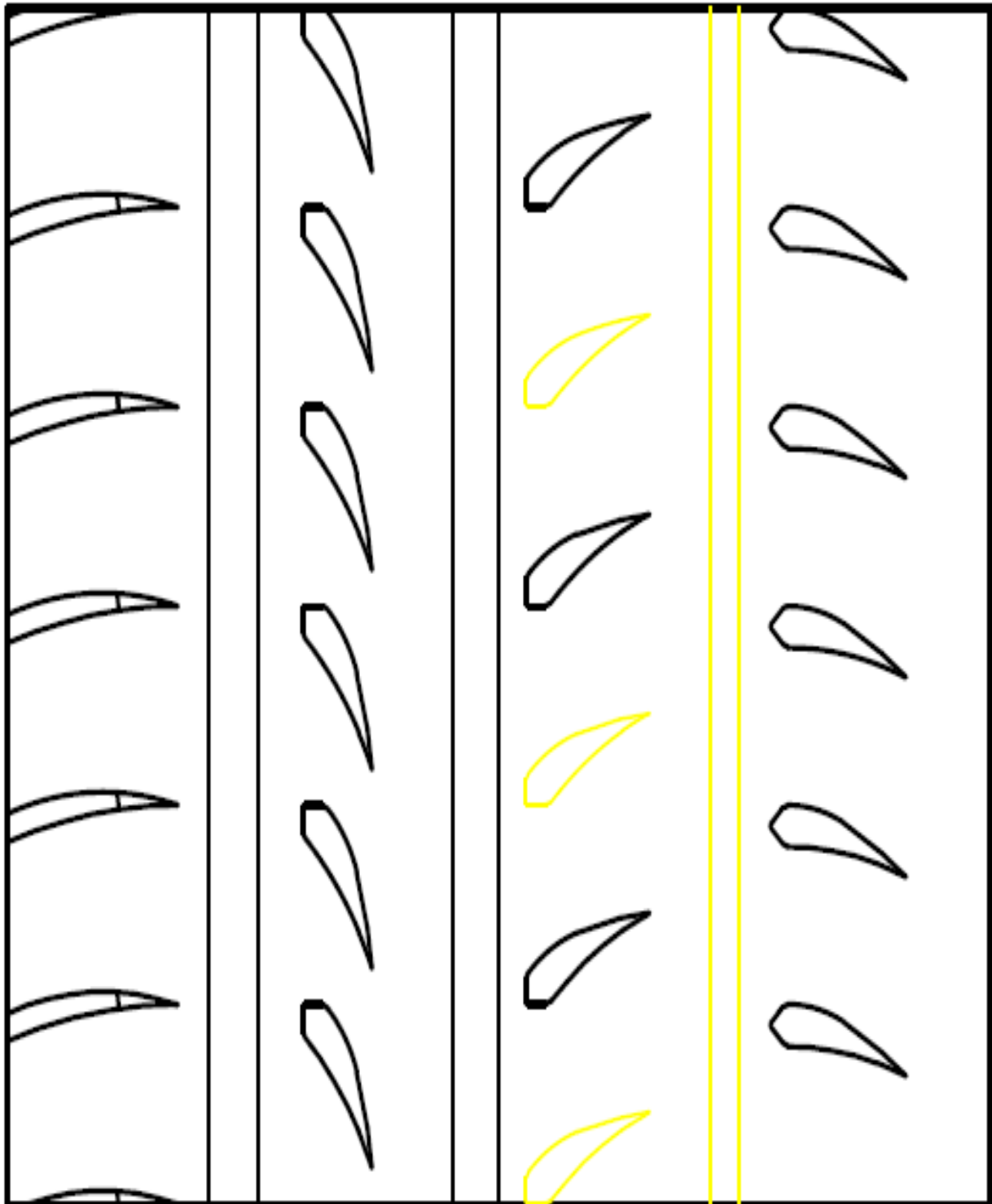
DMT RC2



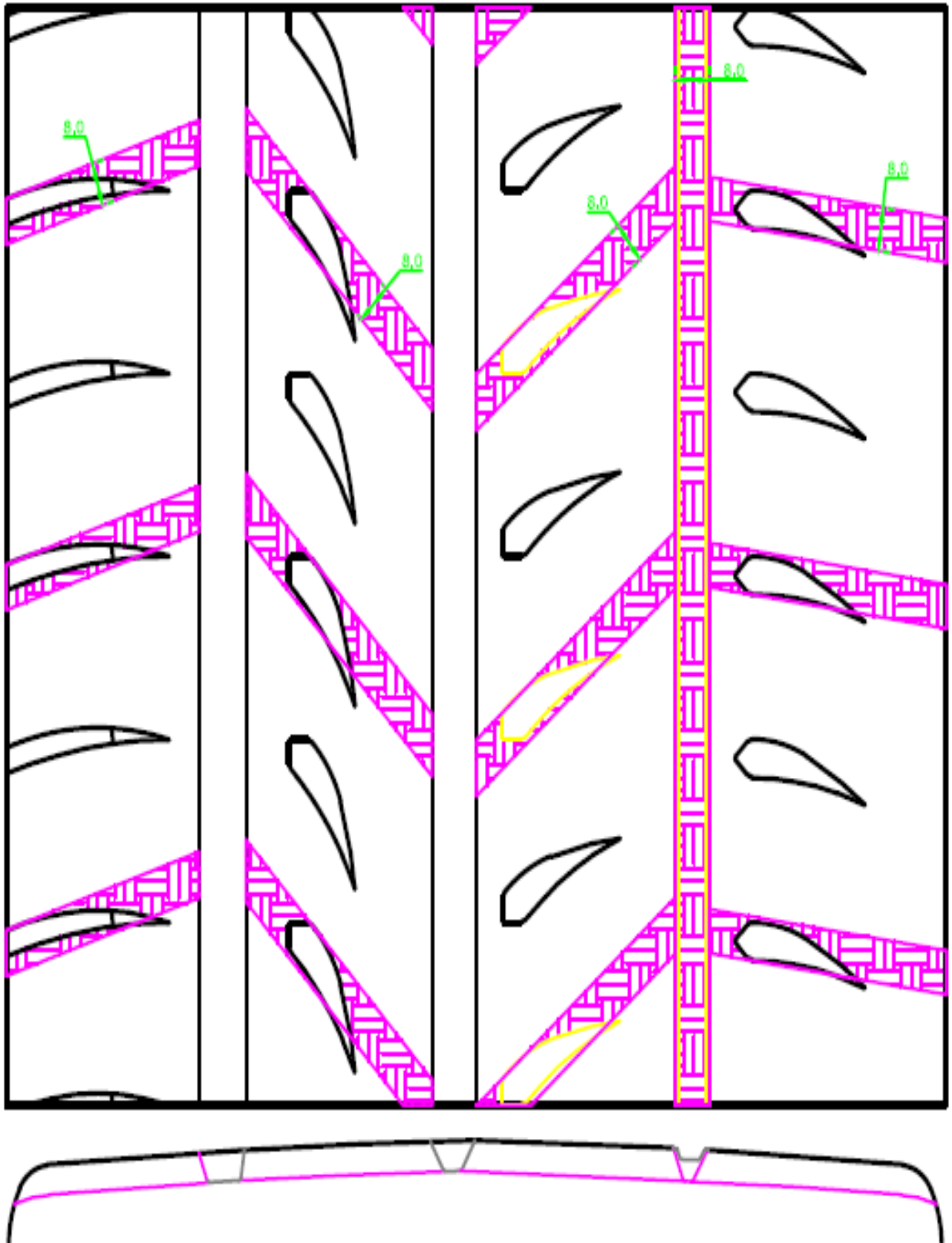
DMT RC2 Wet Cut



DMT RC22

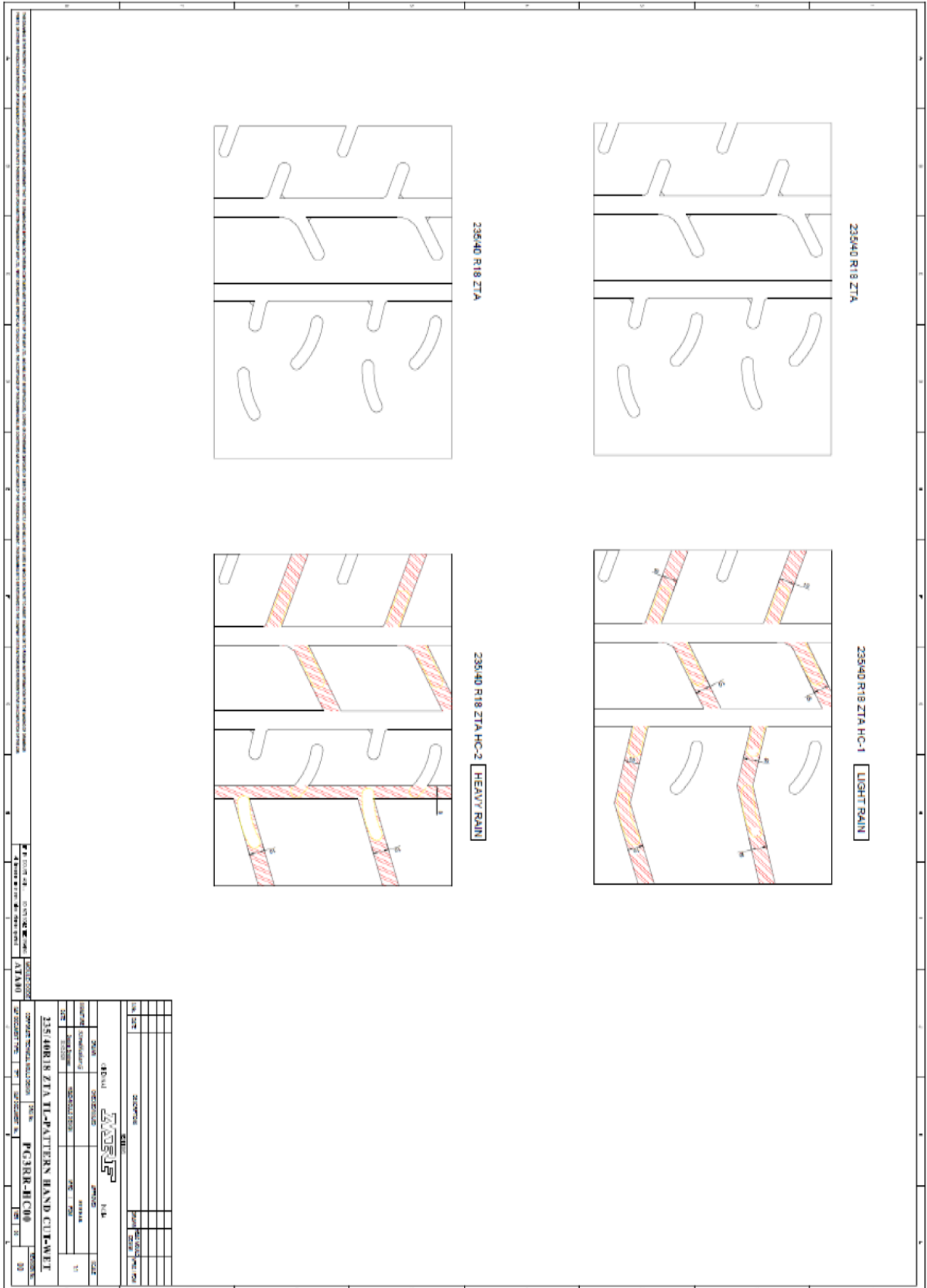


DMT RC22 Wet Cut





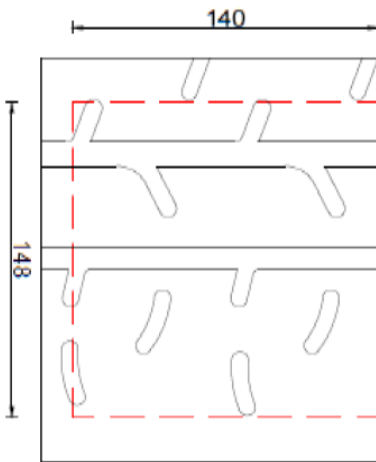
235 / 40 / R18



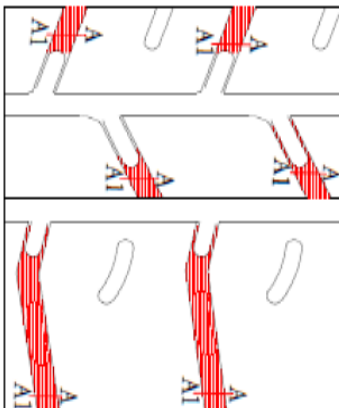


195/50 R16 Tarmac Rally - Hand Cut Pattern for Wet

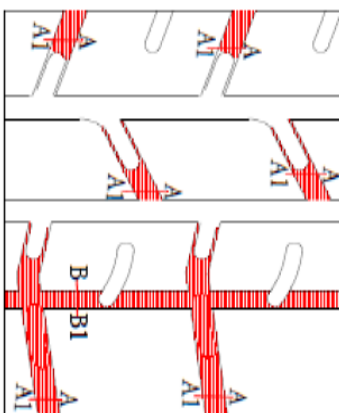
Dry Pattern
Groove Ratio > 17%



Light Rain
Groove Ratio > 27.5%



Heavy Rain
Groove Ratio > 32.5%



Control area 148 x 140 mm (Dotted Line)

SECTION: A-A1

SECTION: B-B1



A-A1 - 10 mm
B-B1 - 8 mm

Hand Cut Groove Portion

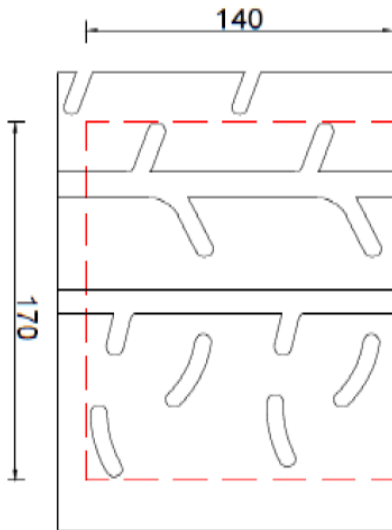
CLASS 8"
RIM 6.5"

DESIGNER	MRF
ENGINEER	...
DATE	...
SCALE	...
PROJECT	...
REVISION	...
APPROVED	...
DATE	...
BY	...
FOR	...
195/50 R16 TARMAC RALLY - HAND CUT WET PATTERN	
FA-4007	

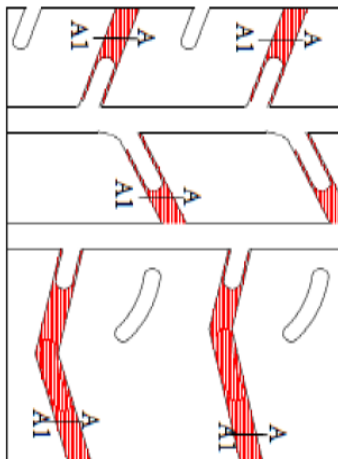


235/40 R18 Tarmac Rally - Hand Cut Pattern for Wet

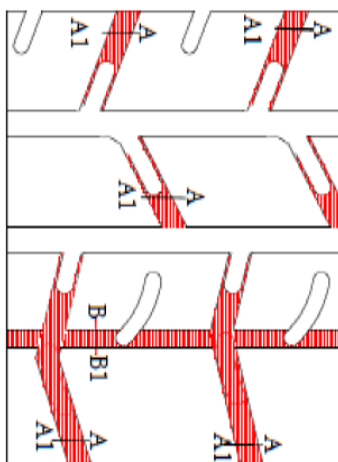
Dry Pattern
Groove Ratio > 17%



Light Rain
Groove Ratio > 27.5%



Heavy Rain
Groove Ratio > 32.5%



Control area 170 x 140 mm (Dotted Line)

SECTION: A-A1



SECTION: B-B1



A-A1 - 10 mm
B-B1 - 8 mm
 Hand Cut Groove Portion

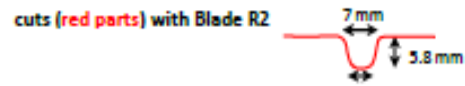
CLASS 9"
RIM 8.0"

MRF TYRES	
Model	235/40R18 Tarmac Rally - Hand Cut Wet Pattern
Size	235/40R18
Speed Rating	Q
Load Index	80
Part No.	F A-0088
Rev.	1
Created	11/01/2011
Modified	11/01/2011
Drawn	11/01/2011
Checked	11/01/2011
Approved	11/01/2011

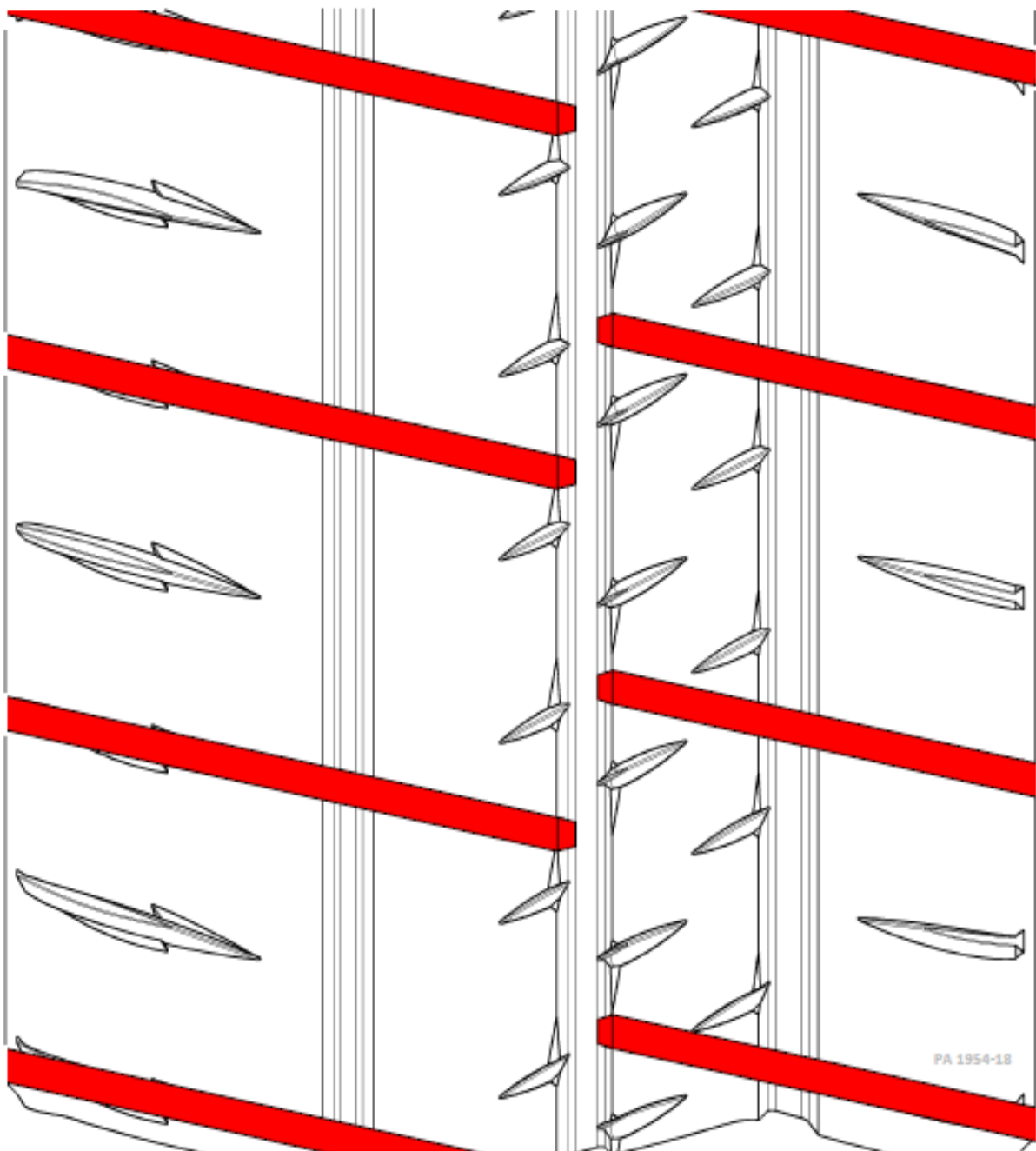


Category : GT Asphalt Rally
Dimension : 24 / 65 – 18 TL PILOT SPORT R
Cutting plan of Pilot Sport R tread pattern for RGT

Clermont-Ferrand the 20/05/2020



Extérieur véhicule



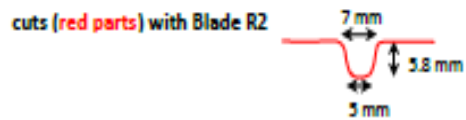


Catégorie : GT Asphalt Rally

Clermont-Ferrand the 20/05/2020

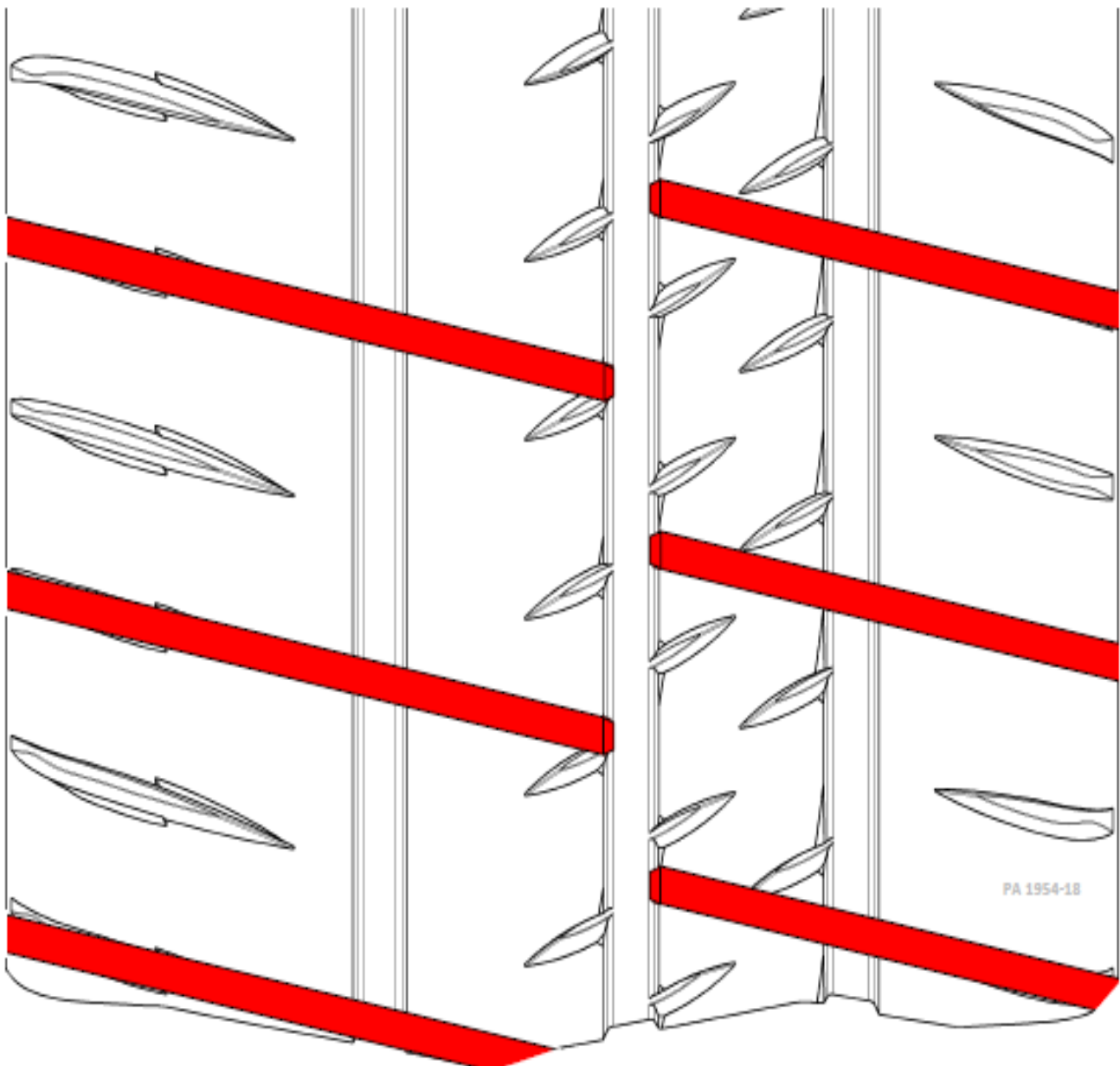
Dimension : 29 / 65 – 18 TL PILOT SPORT R

Cutting plan of Pilot Sport R tread pattern for RGT



Extérieur véhicule

Intérieur véhicule





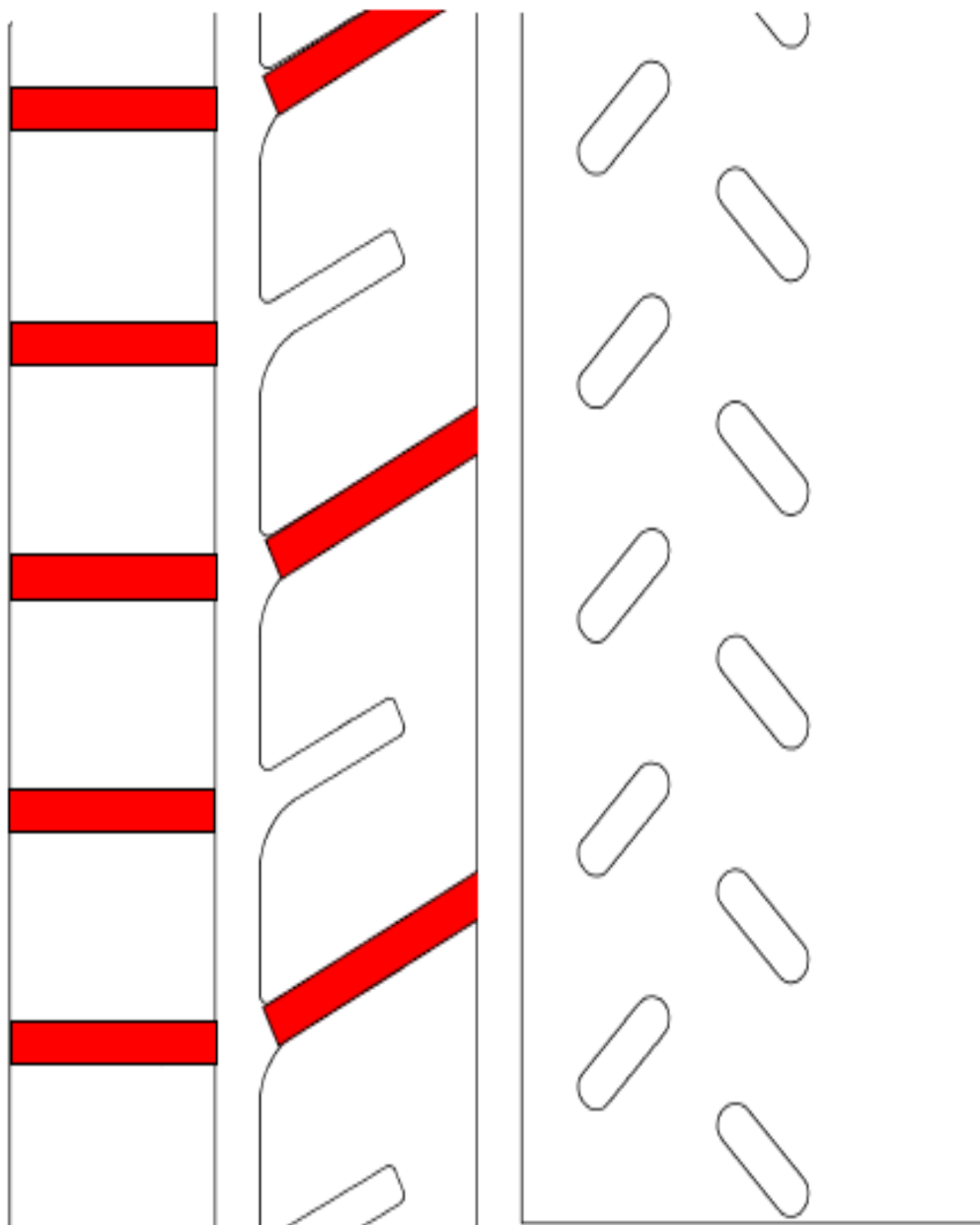
Category : Asphalt Rally

Clermont-Ferrand the 20/05/2020

Dimensions : 20/65-18, 20/63/17, 19/63-17, 19/60-16, 20/58-15, 19/58-15, 16/57-14

Cutting plan of Pilot Sport R tread pattern

cuts (red parts) with Blade R2



ATUALIZAÇÕES

Art. / Data	Estado	Art. / Data	Estado	Art. / Data	Estado

--	--