

What's stopping you?

With TRP® you can be confident we've done all the hard work on ensuring our braking products are fit for purpose. Products in the range are independently tested to meet internationally recognised standards and we partner with some of the world's largest and most respected brake manufacturers to deliver a quality and safe product. With TRP® you can stop with confidence.



TRUCK & TRAILER PARTS®



TRP[®]
TRUCK & TRAILER PARTS



BRAKE SYSTEMS

AIR SYSTEMS

BRAKE DRUMS

BRAKE HARDWARE

BRAKE SHOES & HARDWARE KITS

DISC BRAKE PADS

DISC BRAKE ROTORS

www.trpparts.com.au

BRAKE SYSTEMS

AIR SYSTEMS



AIR VALVES

FEATURES & BENEFITS

- OE manufacturer
- Tested to meet industry standards
- 12 month warranty



WHEN YOU THINK VALVES, THINK TRP®.

TRP® has you covered with a comprehensive range of valves to suit most makes and models of truck and trailer in the Australian market. Tested in the harsh Australian environment for many years, TRP® air valves are the great value alternative that doesn't compromise on safety or quality.

Air valves play a vital role in controlling and regulating the flow and release of air throughout the air brake system. Whether it's an air valve on your truck or trailer, it's crucial that each valve performs exactly as it's meant, to ensure a working braking system.



CHECK VALVES

APPLICATION

- Truck & Trailer



TRP280809



TRP5003980



TRP5003990



TRP5003987

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP280809	CHECK VALVE - DC4, 3/8" SUPPLY	<ul style="list-style-type: none"> • ABC280809 • 280809
TRP5003980	CHECK VALVE - SC3, 1/2" M+F	<ul style="list-style-type: none"> • ABC5003980 • 800372
TRP5003990	CHECK VALVE - SC3, 1/4" M+F	<ul style="list-style-type: none"> • ABC5003990 • 800375
TRP5003987	CHECK VALVE - SC3, 3/8" M+F	<ul style="list-style-type: none"> • ABC5003987 • 5003987 • 800373 • 227856 • 227870



DASH VALVES

APPLICATION

- Truck & Trailer



TRP5005646



TRP275176



TRP275796



TRP284726



TRP281946



TRP287280



TRP228729

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP228729	DASH VALVE - TW1, ZINC CHROME LEVER	<ul style="list-style-type: none"> • ABC228729 • 229635
TRP275176	DASH VALVE - PP1, 40 PSI	<ul style="list-style-type: none"> • ABC275176 • 275176 • OR276567
TRP275796	DASH VALVE - PP1, 40 PSI	<ul style="list-style-type: none"> • ABC275796 • 275796
TRP281946	DASH VALVE - PP5, 40 PSI	<ul style="list-style-type: none"> • ABC281946 • 281946
TRP284726	DASH VALVE - PP1, 40 PSI	<ul style="list-style-type: none"> • ABC284726 • 284726
TRP287280	DASH VALVE - PP7	<ul style="list-style-type: none"> • ABC287280 • 287280 • OR288721
TRP5005646	DASH VALVE - MV3	<ul style="list-style-type: none"> • ABC5005646 • 5005646 • 106981



DRAIN VALVE

TRP123

APPLICATION

- Truck & Trailer

CROSS REFERENCE

- ABF123
- 12104



FOOT VALVES

APPLICATION

- Truck



TRP277863



TRP286689



TRP289129

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP277863	FOOT VALVE - E3, BASIC VALVE - NO TREADLE	<ul style="list-style-type: none"> • ABC277863 • 277863
TRP286689	FOOT VALVE - E6	<ul style="list-style-type: none"> • ABC286689 • 286171
TRP289129	FOOT VALVE - E6, INCLUDING TREADLE 34° RUBBER COVER	<ul style="list-style-type: none"> • ABC289129 • 289129



FRONT AXLE RATIO VALVE

TRP289144

3/8" SUPPLY, 3/8" DELIVERY
4 PSI HOLD OFF PRESSURE
60 PSI EQUALISING PRESSURE

APPLICATION

- Truck & Trailer

CROSS REFERENCE

- ABC289144



GOVERNOR VALVE

275491GOV

APPLICATION

- Truck

FEATURES & BENEFITS

- Tested to meet industry standards
- Gaskets & hardware kits included

CROSS REFERENCE

- 275491
- 275707
- OR275491
- KN18530



INVERSION VALVE

TRP289288

TR3, 42-52 PSI

APPLICATION

- Truck & Trailer

CROSS REFERENCE

- ABC289288
- 289288





STOP LIGHT SWITCH

TRP274746

DUAL TERMINAL 1/4" S14

APPLICATION

- Truck & Trailer

CROSS REFERENCE

- ABC274746
- 274746



SYNCHRO LOCK VALVE

TRP283700

SV1, 62/50 PSI

APPLICATION

- Truck & Trailer

CROSS REFERENCE

- ABC283700
- 283700



TRACTION CONTROL VALVE

TRP472170

APPLICATION

- Truck & Trailer

CROSS REFERENCE

- 472.170.991.0
- 0486206101100





TREADLE VALVE

TRP288570

34° RUBBER COVER

APPLICATION

- Truck

CROSS REFERENCE

- ABC288570
- 288570



PRESSURE PROTECTION VALVES

APPLICATION

- Truck & Trailer



TRP277147



TRP286460



TRPN15759BA

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP277147	PRESSURE PROTECTION VALVE - PR2, 65 PSI	<ul style="list-style-type: none"> • ABC277147 • 277147
TRP286460	PRESSURE PROTECTION VALVE - PR3, 60 PSI	<ul style="list-style-type: none"> • ABC286460 • 286460
TRPN15759BA	PRESSURE PROTECTION VALVE - MIDLAND STYLE, 70 PSI OPEN, 60 PSI CLOSED	<ul style="list-style-type: none"> • ABCN15759BA • 90555396



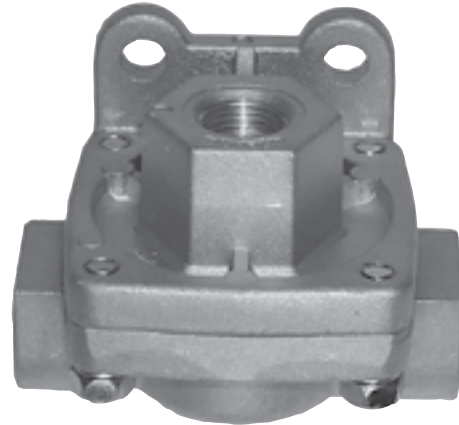
QUICK RELEASE & RELAY VALVES

APPLICATION

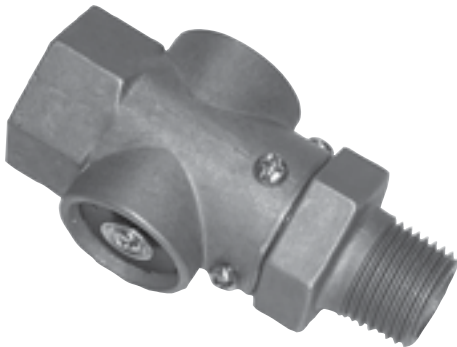
- Truck & Trailer



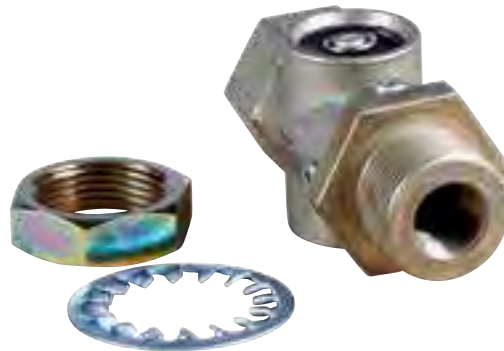
TRP102277



TRP288251



TRP5003395



TRP5003393

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP102277	RELAY VALVE - R12, 4 PSI CRACK PRESSURE	<ul style="list-style-type: none"> • ABC102277 • 102626
TRP288251	QUICK RELEASE VALVE - QR1, SUPPLY PORT - 3/8", DELIVERY PORT - 3/8", EXHAUST PORT 3/8"	<ul style="list-style-type: none"> • ABC288251 • 274997
TRP5003395	QUICK RELEASE VALVE DIRECT MOUNT - QRL, SUPPLY - 1/2", DELIVERY - 1/2"	<ul style="list-style-type: none"> • ABC5003395 • 800333
TRP5003393	QUICK RELEASE VALVE FRAME MOUNT - QRL, SUPPLY - 1/2", DELIVERY - 3/8"	<ul style="list-style-type: none"> • ABC5003393 • 800332



RELAY VALVES



TRP103009



TRP109001



TRP106165



TRP103010



TRP279180



TRP101197



CA400TRP



CA700TRP

PART NUMBER	PRODUCT DESCRIPTION	APPLICATION	CROSS REFERENCE
CA400TRP	SPRING BRAKE VALVE. P.A.R.C (PARKING & AIR RESERVOIR CONTROL) - RED	TRAILER	<ul style="list-style-type: none"> CA400 WCA400 AB8472 AB8332 CA48
CA700TRP	SERVICE RELAY VALVE - BLUE	TRAILER	<ul style="list-style-type: none"> CA700 WCA700 AB8331 AB8471 CA47
TRP101197	RELAY VALVE - RE6, 3/8" PORTS	TRAILER	<ul style="list-style-type: none"> ABC101197
TRP103009	RELAY VALVE - R12H, INCLUDING BRACKET	TRUCK & TRAILER	<ul style="list-style-type: none"> ABC103009 103009N
TRP103010	RELAY VALVE - R14H, WITH MOUNTING BRACKET	TRUCK & TRAILER	<ul style="list-style-type: none"> ABC103010 103010N
TRP106165	RELAY VALVE - R14H, CRACK PRESSURE 5.5 PSI	TRUCK & TRAILER	<ul style="list-style-type: none"> ABC106165 106165 103294
TRP109001	RELAY VALVE - R12P	TRUCK & TRAILER	<ul style="list-style-type: none"> ABC109001 109001 OR109264
TRP279180	RELAY VALVE - R6, CHASSIS MOUNTED, 180° ROTATION	TRUCK & TRAILER	<ul style="list-style-type: none"> ABC279180 279180



SPRING BRAKE VALVES

APPLICATION

- Truck & Trailer



TRP3802



TRP286364



TRP106835



TRP106834

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP3802	SPRING BRAKE VALVE - ADR38/02	<ul style="list-style-type: none"> • ABC3802 • 5006256
TRP106834	SPRING BRAKE VALVE - SR3	<ul style="list-style-type: none"> • ABC106834 • K033128 • 272814
TRP106835	SPRING BRAKE VALVE - SR2	<ul style="list-style-type: none"> • ABC106835 • 106835
TRP286364	SPRING BRAKE VALVE - SR1, 55 PSI RESERVOIR TRIP PRESSURE	<ul style="list-style-type: none"> • ABC286364 • 286364



SAFETY VALVES

APPLICATION

- Truck & Trailer

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP109914	SAFETY VALVE - ST4	<ul style="list-style-type: none"> • ABC109914 • 109914
TRP800350	SAFETY VALVE - ST4, 1/4" 150 PSI	<ul style="list-style-type: none"> • ABC800350 • 284142 • 205105



TRP109914

TRP800350

SUSPENSION LEVELLING VALVES

APPLICATION

- Truck & Trailer



TRP27000

TRP54271

TRP54241

TRP54007

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP27000	SUSPENSION LEVELING VALVE - MIDLAND STYLE	<ul style="list-style-type: none"> • ABC27000 • KN27000
TRP54241	SUSPENSION LEVELING VALVE - NEWAY STYLE 1/4" NPT	<ul style="list-style-type: none"> • ABC54241 • 90554241
TRP54271	SUSPENSION LEVELING VALVE - NEWAY STYLE 1/4" NPT WITH DUMP VALVE	<ul style="list-style-type: none"> • ABC54271 • 90555106
TRP54007	SUSPENSION LEVELING VALVE - NEWAY STYLE 1/8" NPT	<ul style="list-style-type: none"> • ABC54007 • 90054007



TRACTOR PROTECTION VALVES

APPLICATION

- Truck



TRP279000



TRP288605

PART NUMBER	PRODUCT DESCRIPTION	CROSS REFERENCE
TRP279000	TRACTOR PROTECTION VALVE - TP3, 1/2" PORTS	<ul style="list-style-type: none"> • TRP279000 • 279000
TRP288605	TRACTOR PROTECTION VALVE - TP5	<ul style="list-style-type: none"> • ABC288605 • 288605

TRAILER CONTROL VALVE TRP275107

PRODUCT DESCRIPTION

- Steering Column Mounted
- Long Mounting Bracket 275509
- 2 x 3/8" - 16
- 1/4" NPT Delivery
- Replaces 275107, 276270

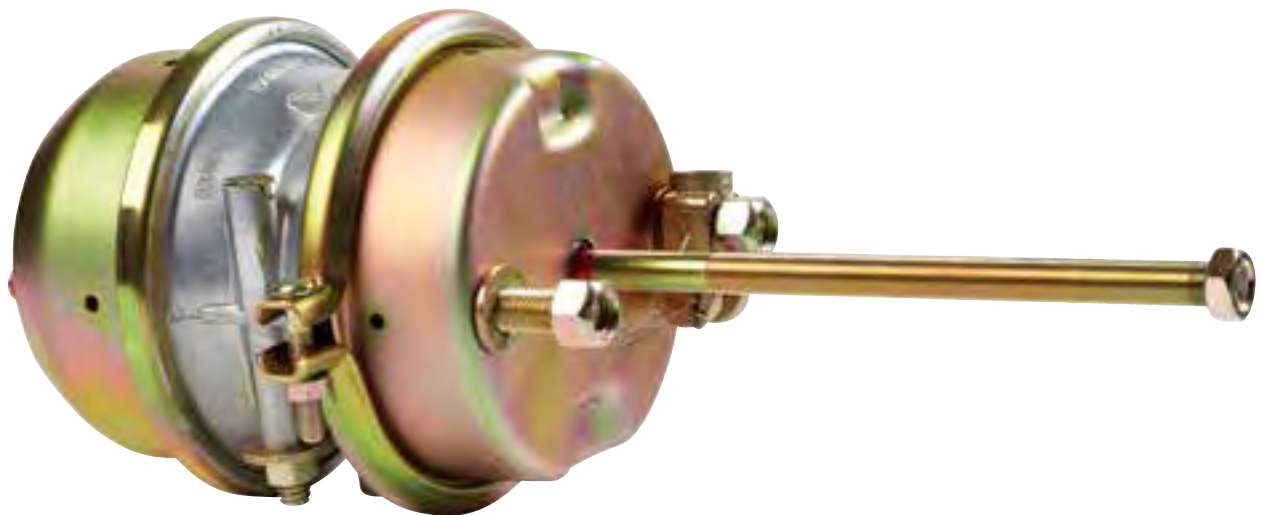




BRAKE CHAMBERS

FEATURES & BENEFITS

- Comprehensive range for popular truck and trailer makes
- Tested to SAE J1469-2009 requirements
- 12 month unlimited kilometre warranty
- Extended push rod available on 24/30 and 30/30 applications
- Heavy duty stamped front housing and mounting hardware
 - made to handle Australian service conditions

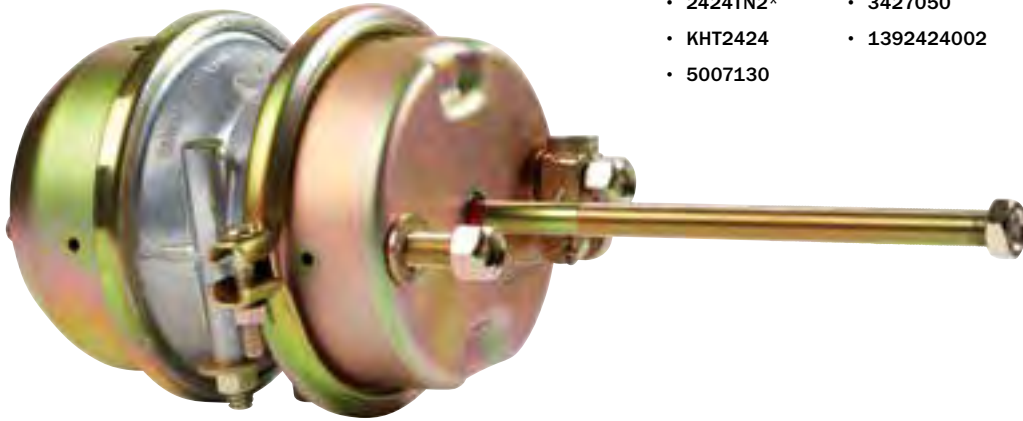


TRP® offers a comprehensive brake chamber range for all popular truck and trailer makes.

Our TRP® brake chambers are designed and tested to meet industry standards for use on truck applications. Additional design features such as the heavy duty mounting hardware, ensure the TRP® brake chamber can handle the high demands of Australian conditions.



2424 COMBO WITH CLEVIS SB2424CCAUS

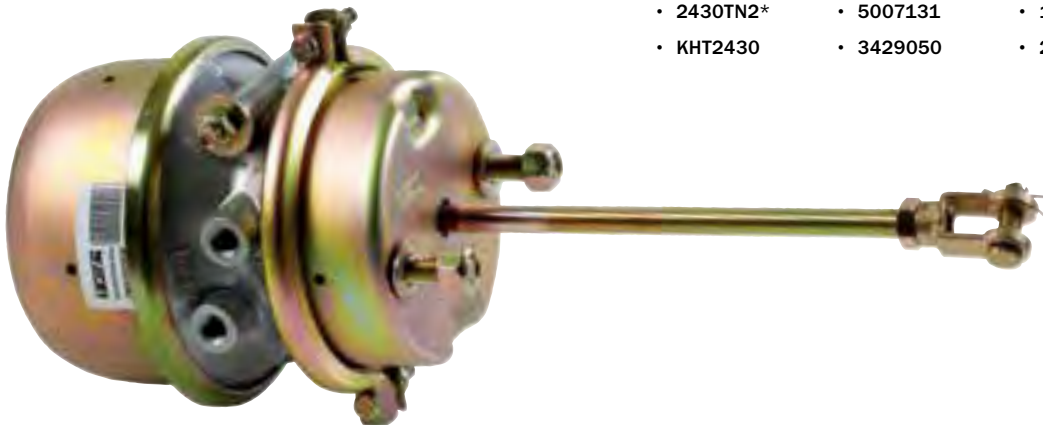


CROSS REFERENCE

- 2424TN2* • 3427050 • GC2424
- KHT2424 • 1392424002 • 24-24GSB
- 5007130

TYPE	THREAD LENGTH	PUSH ROD LENGTH	PARKING STROKE	SERVICE STROKE
24/24	203MM	230MM	57	57

2430 COMBO WITH CLEVIS SB2430CCAUS



CROSS REFERENCE

- 2430TN2* • 5007131 • 1392430046
- KHT2430 • 3429050 • 24-30GSB

TYPE	THREAD LENGTH	PUSH ROD LENGTH	PARKING STROKE	SERVICE STROKE
24/30	216MM	276MM	60	60

***MULTIPLE VARIANTS OF PART NUMBERS AVAILABLE.**

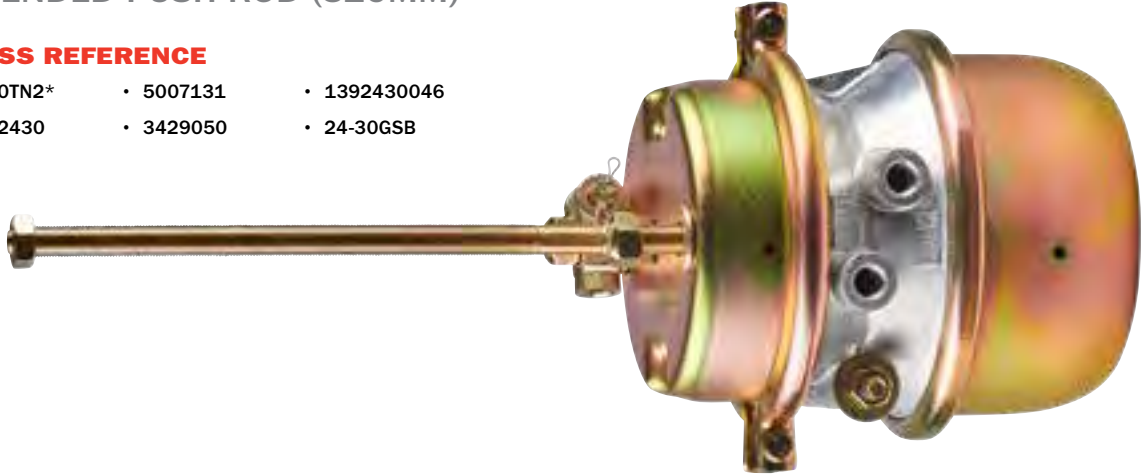


2430 COMBO WITH CLEVIS

SB2430CCAUS-320 EXTENDED PUSH ROD (320MM)

CROSS REFERENCE

- 2430TN2* • 5007131 • 1392430046
- KHT2430 • 3429050 • 24-30GSB



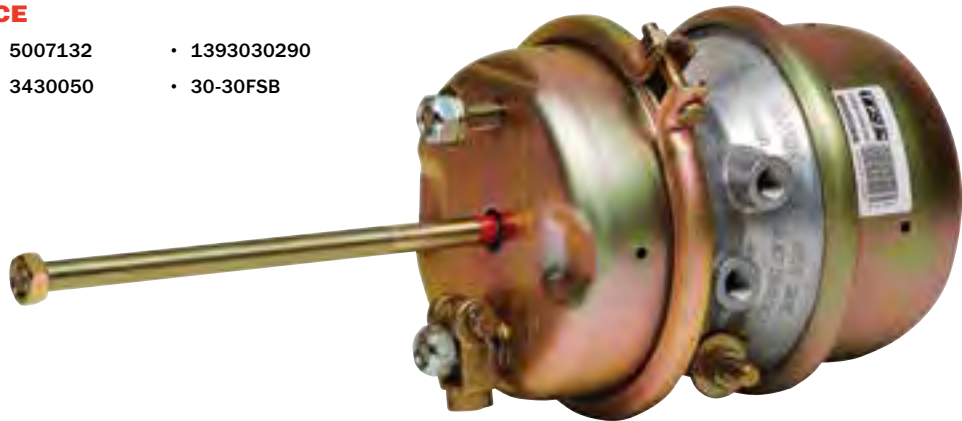
TYPE	THREAD LENGTH	PUSH ROD LENGTH	PARKING STROKE	SERVICE STROKE
24/30	260MM	320MM	60	60

3030 COMBO WITH CLEVIS

SB3030CCAUS

CROSS REFERENCE

- 3030TN2* • 5007132 • 1393030290
- 3030T-OMN1-466 • 3430050 • 30-30FSB
- KHT3030



TYPE	THREAD LENGTH	PUSH ROD LENGTH	PARKING STROKE	SERVICE STROKE
30/30	206MM	270MM	64	64

***MULTIPLE VARIANTS OF PART NUMBERS AVAILABLE.**



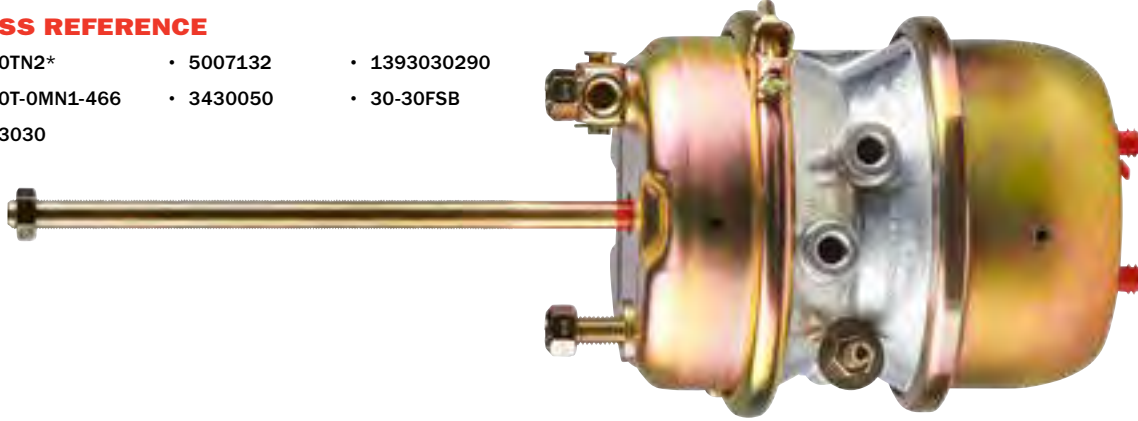
3030 COMBO WITH CLEVIS

SB3030CCAUS-320

EXTENDED PUSH ROD (320MM)

CROSS REFERENCE

- 3030TN2* • 5007132 • 1393030290
- 3030T-OMN1-466 • 3430050 • 30-30FSB
- KHT3030



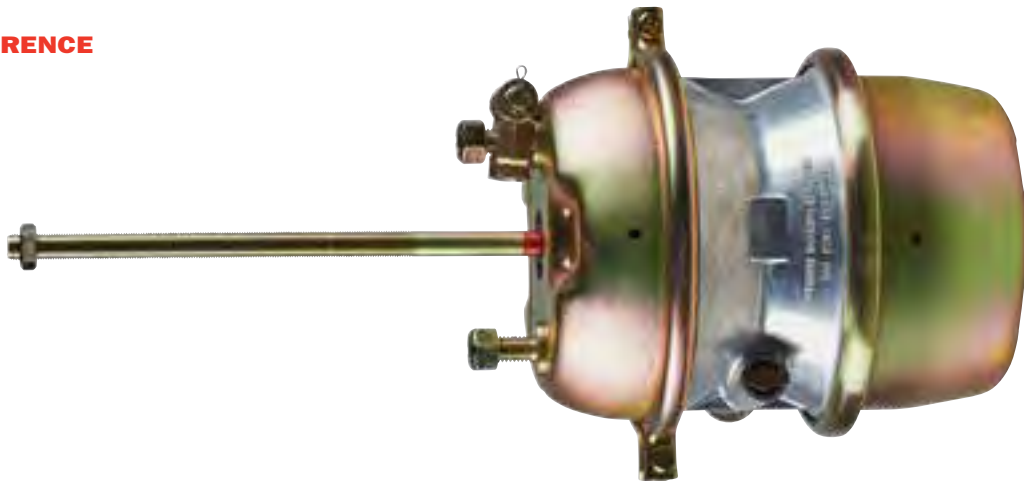
TYPE	THREAD LENGTH	PUSH ROD LENGTH	PARKING STROKE	SERVICE STROKE
30/30	255MM	305MM	64	64

3636 COMBO WITH CLEVIS

SB3636CCAUS

CROSS REFERENCE

- 3636TN3*
- 3436051



TYPE	THREAD LENGTH	PUSH ROD LENGTH	PARKING STROKE	SERVICE STROKE
36/36	230MM	305MM	76	76

***MULTIPLE VARIANTS OF PART NUMBERS AVAILABLE.**

BRAKE SYSTEMS

SLACK ADJUSTER

TRP® Auto Slack Adjuster is designed and engineered to handle the high demands of Australian road and environmental conditions.

The TRP® Slack Adjuster has also been tested and validated by an independent testing facility and are comparable to OEM equivalents.



AUTO SLACK ADJUSTER

SA1140A

5.5", 28 SPLINE

FEATURES & BENEFITS

- Exceeds SAE J1462 & J1513 Requirements
- Heavy Duty Steel Alloy Worm Gear
- ISO 9001 & TS 16949 Certified Manufacturer
- Slack adjuster is tested & validated by independent testing facility & are comparable to oem equivalents
- 12 month unlimited kilometre warranty

CROSS REFERENCES

- A24-3275M1079PZ
- R801073
- MK42100S
- AS1140
- FB4997
- FB4998
- RDAS1140
- QABP N42AS 40020231



BRAKE SYSTEMS

BRAKE DRUMS

TRP® takes safety seriously. That's why when we introduce safety critical products such as brake drums, we ensure they are independently tested to meet and exceed industry standards.



BRAKE DRUMS

FEATURES & BENEFITS

- Independently tested to meet FMVSS-121 standards
- 12 month warranty



FMVSS 121 TESTING STANDARD TESTING PARAMETERS

WHAT IS FMVSS 121 STANDARD?

FMVSS 121 stands for Federal Motor Vehicle Safety Standard 121 and tests whether a given rotor has sufficient heat dissipation characteristics to pass the set test requirements.

WHY TEST TO FMVSS 121 STANDARD?

Testing TRP® rotors to the FMVSS 121 standard ensures that they're put through standardised testing. It verifies that the rotors can dissipate heat efficiently within a set criteria. Australian and New Zealand vehicle standards are for the fully dressed axle, so it is important that we use a recognised standard like FMVSS 121 to test the performance of the rotor.

TEST PARAMETERS

The test was performed by Link Manufacturing, an independent testing facility based in the US.



BRAKE DRUMS



DB014TRP

PART NUMBER	PRODUCT DESCRIPTION	APPLICATION	ADDITIONAL FEATURES	CROSS REFERENCES	GAWR	WEIGHT
DB001TRP	419MM X 180MM	BPW NEW GEN TRAILER	240MM PILOT DIAMETER	<ul style="list-style-type: none"> • 0310967870 • 04683200A • DR121 	<ul style="list-style-type: none"> • AP0893 • 55.121 	23000 50.5KG
DB003TRP	16.5" X 6"	STEER	223MM PILOT DIAMETER	<ul style="list-style-type: none"> • DF244 • M906371 • 3687X • CM10037991 	<ul style="list-style-type: none"> • CM107193 • BD30055.300 • 123400 	23000 48KG
DB005TRP	16.5" X 7"	DRIVE & TRAILER	285MM PILOT DIAMETER	<ul style="list-style-type: none"> • M906055 • M906343 • AP0856 • 3295A 	<ul style="list-style-type: none"> • 79786898 • DT189 • ITBD20 	23000 51KG
DB008TRP	15" X 4"	STEER	290MM PILOT DIAMETER	<ul style="list-style-type: none"> • M906306 • 3760BX 	<ul style="list-style-type: none"> • DM206 • AP0880 	23000 30.6KG
DB011TRP	16.5" X 7"	DRIVE & TRAILER	285MM PILOT DIAMETER	<ul style="list-style-type: none"> • M906631 • KH3602-0101 • BD15055.192 • DR192 • AP0876 	<ul style="list-style-type: none"> • ITBD350B • 2101896 • WT6621 • BD753 ATAP 	23000 52.3KG
DB014TRP	16.5" X 7"	DRIVE & TRAILER	239MM PILOT DIAMETER	<ul style="list-style-type: none"> • 79786893 • M906033 • AP0855 • 2983C 	<ul style="list-style-type: none"> • KH3602/GF • DM127 • ITBD20 	23000 45KG
DB015TRP	16.5" X 7"	DRIVE & TRAILER	223MM PILOT DIAMETER	<ul style="list-style-type: none"> • M906619 • AP0875C • 3600AX • CM107150 • KH3602-0303 • DR190 	<ul style="list-style-type: none"> • BD751 • AP0875 • CM10009830 • ITBD120 • WT6620 	26000 51KG



BRAKE DRUMS



DB190PDC

PART NUMBER	PRODUCT DESCRIPTION	APPLICATION	ADDITIONAL FEATURES	CROSS REFERENCES	GAWR	WEIGHT	
DB016TRP	16.5" X 5"	STEER	223MM PILOT DIAMETER	<ul style="list-style-type: none"> • 10037815 • M906092 • BD0844 • 3573X 	<ul style="list-style-type: none"> • AP0844 • DF136 • TBD310 	23000	52.1KG
DB017TRP	16.5" X 7"	DRIVE & TRAILER	LIGHTWEIGHT COMPOSITE STEEL DRUM, ONE PIECE FORMED SHELL, NO WELD-ON BALANCE WEIGHTS OR SEAM, INDEPENDENTLY TESTED TO FMVSS121 STANDARDS	<ul style="list-style-type: none"> • 53-123537-002 • P53-123537-002 • AM53123537002 • 50123537002 • 89996B 	23000	39.9KG	
DB018TRP	16.5" X 6"	STEER	285MM PILOT DIAMETER	<ul style="list-style-type: none"> • BD37055.370 • SDBC.01.054 • 66374B 	<ul style="list-style-type: none"> • DF177 • 11540.108 • BD3113 ATAP 	23000	48.25KG
DB020TRP	16.5" X 5"	STEER	LIGHTWEIGHT COMPOSITE STEEL DRUM, ONE PIECE FORMED SHELL, NO WELD-ON BALANCE WEIGHTS OR SEAMS, INDEPENDENTLY TESTED TO FMVSS121 STANDARDS	<ul style="list-style-type: none"> • MB136L • 10037815 • M906092 • BD0844 • 3573X • AP0844 • DF136 • ITBD310 	23000	33.6KG	
DB021TRP	16.5" X 7"	DRIVE	DAF, 75CF, CF75, 85CF, CF85, XF95, XF105	<ul style="list-style-type: none"> • 3219K4951S • 1862027 	23000	48KG	
DB190PDC	10 X 285 PCD 16.5" X 7"	COMMON DRIVE / TRAILER		<ul style="list-style-type: none"> • M906619 • AP0875C • 3600AX • CM107150 • KH3602-0303 • DR190 	<ul style="list-style-type: none"> • BD751 • AP0875 • CM10009830 • ITBD120 • WT6620 	23000	48KG

BRAKE SYSTEMS

BRAKE HARDWARE

TRP® has a comprehensive range of brake shoe and S Cam hardware parts to suit truck and trailer applications.



BRAKE HARDWARE KITS

APPLICATIONS

- 16.5" x 7" 'P' Brakes
- General Purpose



T02-2412-AU

PART NUMBER	PRODUCT DESCRIPTION
T02-2412-AU	BRAKE HARDWARE KIT WITH SHORT ANCHOR PIN
T02-2412S-AU	BRAKE HARDWARE KIT WITH SHORT ANCHOR PIN, SMOOTH ROLLER
T02-2413-AU	BRAKE HARDWARE KIT WITH LONG ANCHOR PIN
T02-2413S-AU	BRAKE HARDWARE KIT WITH LONG ANCHOR PIN, SMOOTH ROLLER



GENERAL BRAKE HARDWARE



T02-3237AU



T02-3200AU



T02-3304AU



T02-3415AU



T02-3302AU



T02-3304WAU

PART NUMBER	PRODUCT DESCRIPTION	APPLICATION	SHAFT LENGTH	OUTSIDE DIAMETER	THICKNESS	OVERALL LENGTH
T02-3200AU	BOLT ON ANCHOR PIN - SHORT ALL 'P' BRAKE AXLES	ALL 'P' BRAKE AXLES		32MM		56MM
T02-3237AU	ANCHOR PIN ROCKWELL 'Q' BRAKE & DANA FAST CHANGE			32MM		57MM
T02-3304AU	EXTENDED PIN - BOLT ON TYPE - LONGALL 'P' BRAKE AXLES			32MM		71MM
T02-3302AU	SUPPORT WASHER FOR T03-3304AU. ALL "P" BRAKE AXLES		32MM	45MM	8MM	
T02-3304WAU	SUPPORT WASHER FOR T02-3304AU & T02-3200AU. ALL "P" BRAKE ANCHOR PIN WASHERS		10MM	41MM	6MM	
T02-3415AU	BOLT ON RETAINER. SET OF 2	GENERAL PURPOSE				



ROLLERS

APPLICATIONS

- 16.5" x 7" 'P' Brakes
- General Purpose



T02-3403KAU



T02-3404KAU



T02-3405KAU



T02-3403AU



T02-3404AU



T02-3405AU

PART NUMBER	PRODUCT DESCRIPTION	OUTSIDE DIAMETER	THICKNESS	OVERALL LENGTH
T02-3403AU	PLAIN	32MM	19MM	57MM
T02-3403KAU	KNURLED	32MM	19MM	57MM
T02-3404AU	PLAIN - OVERSIZED 1/8"	35MM	19MM	57MM
T02-3404KAU	KNURLED - OVERSIZED 1/8"	35MM	19MM	57MM
T02-3405AU	PLAIN - OVERSIZED 1/4"	38MM	19MM	57MM
T02-3405KAU	KNURLED - OVERSIZED 1/4"	38MM	19MM	57MM



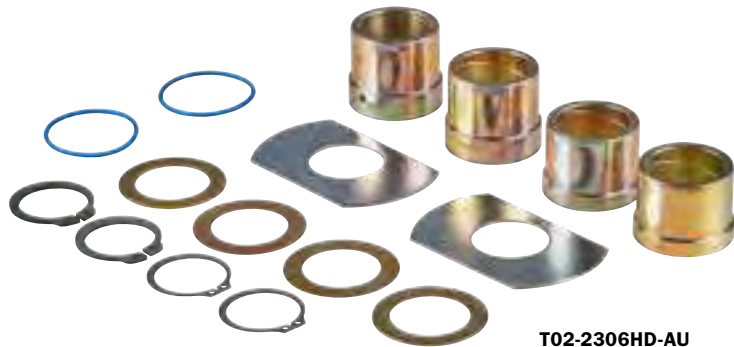
S CAM BUSH KITS

APPLICATION

- 16.5" x 7" 'P' Brakes



T02-2304-AU



T02-2306HD-AU



T02-2300-AU

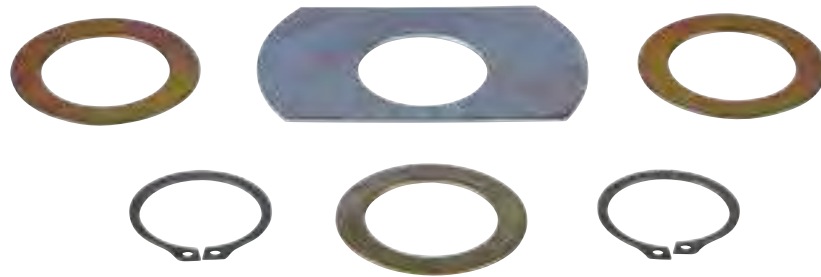
PART NUMBER	PRODUCT DESCRIPTION
T02-2300-AU	ROCKWELL TN AXLE
T02-2304-AU	ROCKWELL RN AXLE
T02-2306HD-AU	ROCKWELL DRIVE AXLE



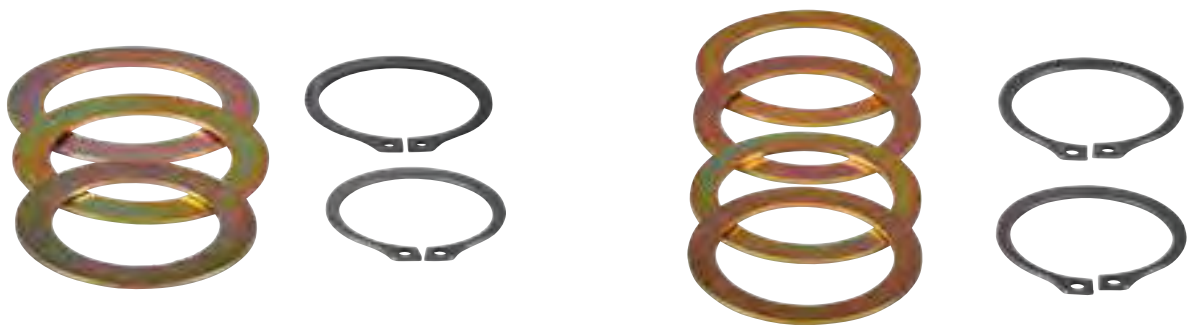
S CAM WASHER KITS

APPLICATION

- 16.5" x 7" 'P' Brakes



T02-3108-AU



T02-3109-AU

T02-3110-AU

PART NUMBER	PRODUCT DESCRIPTION
T02-3108-AU	DANA/SPICER & GENERAL PURPOSE, FREIGHTER, FRUEHAUF
T02-3109-AU	FRUEHAUF PROPAR AND HOLLAND PROPAR AXLES
T02-3110-AU	ROCKWELL RN AND TN AXLES

BRAKE SYSTEMS

BRAKE SHOES & HARDWARE KITS

TRP® has a comprehensive range of brake shoes available to suit most truck and trailer applications and have been developed and tested to handle the demanding conditions that trucks and trailers face on Australian roads. TRP® brake shoes are available in either standard (21K GAWR) or premium (23K GAWR) and are manufactured using OE specifications.



ONE SHOE DOES NOT FIT ALL

TRP® Brake Shoe linings are available in either 21,000 lb or 23,000 lb Gross Axle Weight Rating (GAWR). So why are there 2 different types of linings available and which one is best suited for your application?

This guide was developed to help you understand why there are different types of lining material and to help you identify which lining is best suited for your application.

There are several different factors that need to be taken into consideration when choosing the right brake lining for your truck or trailer. All brake linings are designed to exceed maximum load limits in Australia so axle ratings, whilst important, don't play a large role in determining the right lining.

Consideration however, must be given to load, road type, braking frequency, maintenance practices, and driver habits when determining the right lining type.

What is right for one application may not be suited to another. Brake linings certified at 23,000 lb. could be much too aggressive for some applications, causing the brake drums to wear prematurely or result in brakes that "grab". Likewise, brakes certified at 21,000 lb. may not provide sufficient braking power to stop some heavy vehicles.

21,000 GAWR FRICTION MATERIAL

The TRP® 21K GAWR grade friction is stable and provides excellent wear and fade characteristics.

It has consistent braking characteristics, low noise and provides great stopping power. It is best suited for on-highway trailer and truck applications.

23,000 GAWR FRICTION MATERIAL

The TRP® 23K GAWR grade friction material performs extremely well in demanding applications.

It is formulated to handle high braking duty cycles encountered in city pick-up and delivery and highway applications where steep grades are negotiated.

It is recommended in refuse, mixer, off-road, bus and tanker applications. It provides excellent lining life, superb stopping power, and superior resistance to fade.

BRAKE LINING SELECTION GUIDE

This table has been developed to help you decide which is the right shoe for you and your application.

It's important to note that linings rated 23K GAWR are not necessarily better. It's all about the application that you are using your vehicle in.

FACTORS	21,000 GAWR LININGS	23,000 GAWR LININGS
ROAD TYPE	ON-HIGHWAY TRUCK AND TRAILER	ON/OFF-HIGHWAY, STEEP GRADES, WORKSITES, CITY ROADS
LOAD TYPES	GENERAL CARGO, PRODUCE	LIQUIDS, GASES, MINING, LOGGING, REFUSE, CONSTRUCTION
BRAKING FREQUENCY	LOW, MOSTLY INTERSTATE, MODERATE, MIX OF INTERSTATE AND URBAN	MODERATE TO HIGH, ANY ENVIRONMENT
MAINTENANCE HABITS	REGULAR MAINTENANCE AND SERVICES, MAINTENANCE AS NEEDED	POOR, INTERMEDIATE SERVICE, BRAKES SERVICED WHEN PROBLEM APPEARS
DRIVER HABITS	GENTLE TO AVERAGE	AVERAGE TO AGGRESSIVE



TRP® BRAKE SHOE IDENTIFICATION

TRP® BRAKE SHOES AND THE FRICTION MATERIAL CAN EASILY BE IDENTIFIED BY THE SIDE MARKINGS AND PART NUMBERS.

- The 21,000 lb linings have a green edge colouring & part numbers all start with TRP21.



- The 23,000 lb linings have a gold edge colouring & part numbers all start with TRP23.



Every brake shoe has an edge marking which can tell you a lot about that particular shoe and friction material. Below is an explanation on what those markings mean.

EDGE MARKINGS EXPLAINED



Material Lining Code

Identifies the linings GAWR & TRP brand

FMSI Lining Type

Standardised part number system used to identify the brake application

Cam or Anchor

Identifies orientation of the shoe

Lining Thickness

Measurement in millimetres

ECE R90 Approval (Where applicable)

Unique number that all ECE R90 certified linings are assigned.

Batch Code

Manufacturing tracking number for friction material

FEATURES & BENEFITS

- Most truck and trailer applications are covered in the TRP® range, offering a wide selection and a one stop shop
- Designed, tested and engineered to meet the demanding conditions on Australian roads, ensuring TRP® brake shoes are reliable and built for purpose
- Automated riveting process eliminates any potential human error
- 300 hours salt spray paint finish ensures a high resistance to corrosion and rust
- Certified to FMVSS-121 and ECE R90 (where applicable) to ensure TRP® Brake Shoes meet recognised, industry wide standards
- 7 long weld points for strength and matched to OE specs increases durability and extends the service life
- OEM Quality hardware kit helps extend the life of the shoe
- 12 month unlimited kilometre warranty for peace of mind



GROSS AXLE WEIGHT RATING

A vehicle's Gross Axle Weight Rating (GAWR) is the specific weight determined to be the maximum allowable weight that can be placed on a vehicle's axle. The GAWR includes the weight of the truck and/or trailer, passengers and cargo.

Drive, Steer and trailer axles all have individual GAWR's. You can think of GAWR as a weight limit for each of the axles for your truck and trailer.

Overloaded or unevenly distributed heavy loads can make it difficult to control the truck and put stress on the brake system, causing the brakes to be less effective.

It's important to note that all TRP® brake linings exceed the maximum GAWR limit in Australia. However, choosing a 23,000 lb rated lining doesn't mean it is right for your application. Nor does it mean that you'll get any service life improvements from the lining. What is important is the application that the lining will be utilized in.

NHVL NATIONAL HEAVY VEHICLE LAW



Max Mass Limit by Axle Group	6t	17t	22.5t
Max Mass Limit by Axle	6t	8.5t per Axle	7.5t per Axle

BRAKE LININGS RATINGS	GAWR (lbs.)	GAWR (t)
	21,000 lbs.	9.6t
	23,000 lbs.	10.5t














All brake linings exceed maximum load limit in Australia

DID YOU KNOW?

Brake drums also play an important role in dissipating heat that is generated through braking. Overheating of the linings can cause glazing, blisters and discolouration, leading to premature wear and reduced performance. TRP® drums are all tested to FMVSS 121 standard and have excellent heat dissipation properties.



TYPICAL BRAKE SHOE APPLICATIONS

APPLICATION	TRUCK	21K LB GAWR	23K LB GAWR
PRIME MOVER		21K	23K
AGITATOR / TIPPER			23K
REFUSE			23K
TANDEM DUMP			23K
BEVERAGE		21K	
TRI-AXLE TRAILER		21K	
TANKER		21K	23K
B DOULBE TRAILER		21K	
MOVING VAN - LOW PROFILE		21K	
TANDEM AXLE TRAILER		21K	
FLATBED		21K	
SINGLE AXLE TRACTOR TRAILER		21K	
BUS			23K



BRAKE SHOES & HARDWARE KITS

21K GAWR



PART NUMBER	PRODUCT APPLICATION	FMSI + SHOES TYPE	SIZE	ECE R90 APPROVED	CROSS REFERENCE
TRP19032/21/95	BPW BRAKE 95 BC/36/1	BC/36/1, B95	420MM X 180MM	Y	<ul style="list-style-type: none"> • MKSMG2ABC36/95 • BBC/36PT95K • 0509146320BH95 • RDSKMG1ABC3695 • TLSKMG1ABC36/95 • 1393030290
TRP19032/21/NG	BPW NEW GEN BC36/1	BC/36/1, NG	420MM X 180MM	Y	<ul style="list-style-type: none"> • MKSMG2ABC36/NG • RDSKMG1ABC36NG • Q ABP MG1ABC36/NG
TRP19094/21/95	BPW BRAKE 95 BC/37/1	BC/37/1, B95	420MM X 200MM	Y	<ul style="list-style-type: none"> • MKSMG2ABC37 • 30-30FSB
TRP211308Q	MERITOR STEER "Q"	1308, Q	15" X 4" Q		<ul style="list-style-type: none"> • KSMA2121308Q • Q ABP MG1A1308Q
TRP214311E	EATON DRIVE	4311, E	16.5" X 7"		<ul style="list-style-type: none"> • KSMA2124311E • RDSKMG1A4725R
TRP214514Q	MERITOR STEER "Q"	4514, Q	16.5" X 6" Q		<ul style="list-style-type: none"> • KSMA2124514Q • RDSKMG1A4514Q • Q ABP MG1A4514Q
TRP214515FQ	FRUEHAUF/ SAF/ TMC	4515, F(Q)	16.5" X 7" Q	Y	<ul style="list-style-type: none"> • KSMA2124515F3 • RDSKMG1A4515F3 • TLSKMG1A4515F3 • Q ABP MG1A4515F3
TRP214515P	MERITOR DRIVE "P"	4515, P	16.5" X 7" P	Y	<ul style="list-style-type: none"> • PKSMA2124515P • RDSKMG1A4515PHD • Q ABP MG1A4515PHD



BRAKE SHOES & HARDWARE KITS

21K GAWR



PART NUMBER	PRODUCT APPLICATION	FMSI + SHOES TYPE	SIZE	ECE R90 APPROVED	CROSS REFERENCE
TRP214515PSS-01	MERITOR DRIVE "P" SEVERE SERVICE	4515, PSS	16.5" X 7" P	Y	<ul style="list-style-type: none"> PKSMA2124515PSS RDSKMG1A4515PSS TLSKMG1A4515PSSK Q ABP MG1A4515PSS
TRP214515Q	MERITOR DRIVE "Q"	4515, Q	16.5" X 7" Q	Y	<ul style="list-style-type: none"> KSMA2124515Q RDSKMG1A4515Q TLSKMG1A4515Q Q ABP MG1A4515Q
TRP214524Q	MERITOR STEER "Q"	4524, Q	16.5" X 5" Q		<ul style="list-style-type: none"> KSMA2124524Q RDSKMG1A4524Q Q ABP MG1A4524Q
TRP214707QP	MERITOR DRIVE "Q PLUS"	4707, QP	16.5" X 7" Q PLUS	Y	<ul style="list-style-type: none"> KSMA2124707QP RDSKMG1A4707QP TLSKMG1A4707QP Q ABP MG1A4707QP
TRP214709E2	EATON ESII DRIVE	4709, ESII	16.5" X 7"		<ul style="list-style-type: none"> KSMA2124709E2 RDSKMG1A4311E Q ABP MG1A4311E Q ABP MG1A4709E2
TRP214710QP	MERITOR STEER/TRAILER "Q PLUS"	4710, QP	15" X 8 5/8" Q PLUS		<ul style="list-style-type: none"> KSMA2124710QP RDSKMG1A4711QP Q ABP MG1A4710QP
TRP214711QP	HENDRICKSON INTRAAX	4711, QP	16.5" X 8-5/8" Q PLUS		<ul style="list-style-type: none"> KSMA2124711QP B4711PTQK Q ABP MG1A4711QP
TRP214715QP	MERITOR STEER "Q PLUS"	4715, QP	16.5" X 6" Q PLUS		<ul style="list-style-type: none"> KSMA2124715QP Q ABP MG1A4715QP
TRP214720QP	MERITOR STEER "Q PLUS"	4720, QP	16.5" X 5" Q PLUS		<ul style="list-style-type: none"> KSMA2124720QP Q ABP MG1A4720QP



BRAKE SHOES & HARDWARE KITS

23K GAWR



PART NUMBER	PRODUCT APPLICATION	FMSI + SHOES TYPE	SIZE	ECE R90 APPROVED	CROSS REFERENCE
TRP231308Q	MERITOR STEER "Q"	1308, Q	15" X 4" Q		• K SMA3121308Q
TRP234515FQ	FRUEHAUF/ SAF/ TMC	4515, F(Q)	16.5" X 7" Q	Y	• K SMA3124515F3 • B4515PTFREUHAUFQCK
TRP234515P	MERITOR DRIVE "P"	4515, P	16.5" X 7" P	Y	• PK SMA3124515P
TRP234515PSS-01	MERITOR DRIVE "P" SEVERE SERVICE	4515, PSS	16.5" X 7" P	Y	• PK SMA3124515PSS • B4515PTGPWWK
TRP234515Q	MERITOR DRIVE "Q"	4515, Q	16.5" X 7" Q	Y	• K SMA3124515Q • B4515PTQCK • WKS4515QVHP
TRP234524Q	MERITOR STEER "Q"	4524, Q	16.5" X 5" Q		• K SMA3124524Q • WK4524QVHP
TRP234707QP	MERITOR DRIVE "Q PLUS"	4707, QP	16.5" X 7" Q PLUS	Y	• K SMA3124707QP • B4707PTQPK • WKS4707QVHP
TRP234709E2	EATON ESII DRIVE	4709, ESII	16.5" X 7"		• K SMA3124709E2
TRP234715QP	MERITOR STEER "Q PLUS"	4715, QP	16.5" X 6" Q PLUS		• K SMA3124715QP
TRP234720QP	MERITOR STEER "Q PLUS"	4720, QP	16.5" X 5" Q PLUS		• K SMA3124720QP • B4720PTQK • WK4720QVHP
TRP234725E	SPICER STEER BRAKE	4725, E	16.5" X 6"		• K SMA3124725R



BRAKE SHOES & HARDWARE KITS

FEATURES & BENEFITS

- Designed, tested and engineered to meet the demanding conditions on Australian roads
- Automated riveting process
- All linings tested to FMVSS 121 & ECE R90 where applicable
- 7 long weld points for strength & matched to OE specs
- OEM quality hardware kit
- 12 month unlimited kilometre warranty



FMVSS 121 TESTING STANDARD TESTING PARAMETERS

WHAT IS FMVSS 121 STANDARD?

FMVSS 121 stands for Federal Motor Vehicle Safety Standard 121 and tests whether a given rotor has sufficient heat dissipation characteristics to pass the set test requirements.

WHY TEST TO FMVSS 121 STANDARD?

Testing TRP® shoes to the FMVSS 121 standard ensures that the linings are put through standardised testing. It verifies that the lining passes a set criteria at a given weight load. Australian and New Zealand vehicle standards are for the fully dressed axle, so it is important that we use a recognised standard like FMVSS 121 to test the performance of the friction material.

TEST PARAMETERS

The test was performed by Link Manufacturing, an independent testing facility based in the US. The FMVSS 121 test was performed on the following Linings:

STANDARD LININGS

- 21K GROSS AXLE WEIGHT RATING (GAWR)

TRP21K Lining Material

PREMIUM LININGS

- 23K 21K GROSS AXLE WEIGHT RATING (GAWR)

TRP23K Lining Material

* IT'S IMPORTANT TO NOTE THAT TRP® TESTED TO FACTOR 165 FOR BOTH STANDARD AND PREMIUM LININGS. THE FACTOR IS CALCULATED BY MULTIPLYING THE SLACK ADJUSTER ARM LENGTH BY THE AIR CHAMBER DIAPHRAGM SIZE. (30 X 5.5 = 165). TRP® TEST TO THIS FACTOR AS MOST CLASS 8 TRUCKS USE A 5.5" SLACK ADJUSTER AND A 30/30 AIR CHAMBER.

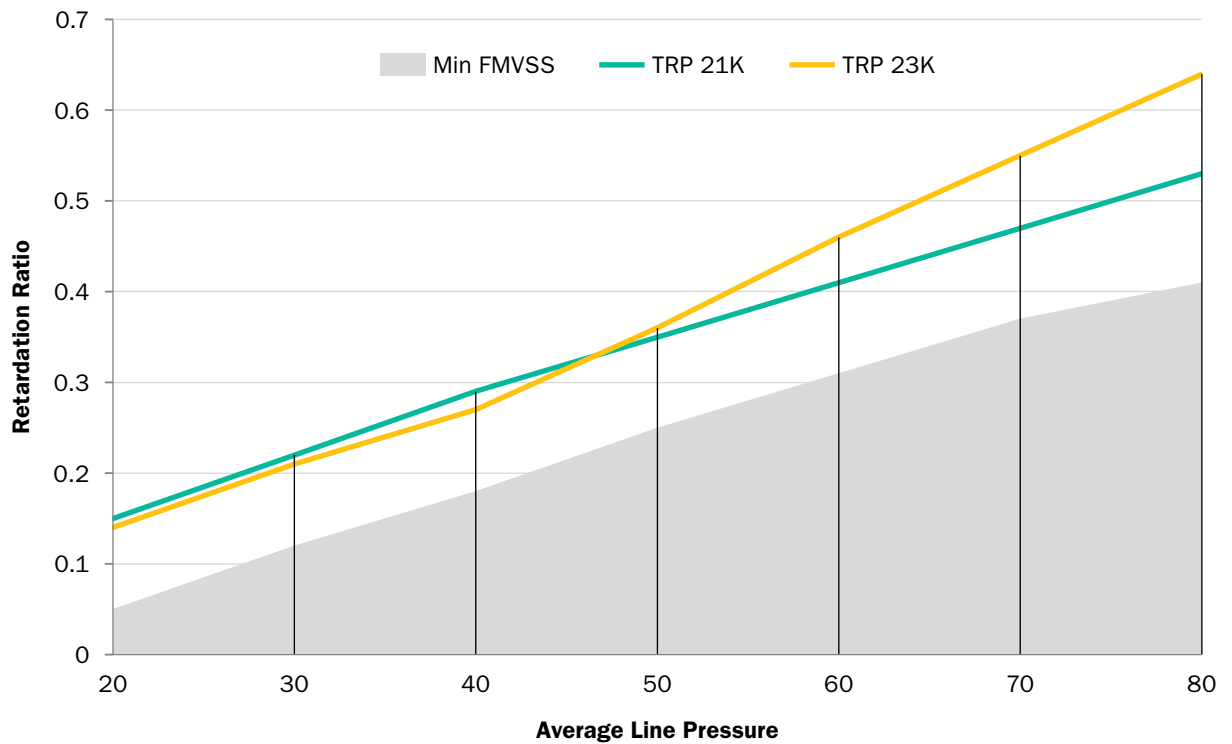


21K & 23K COMPARISON

The following graphs were created using the FMVSS 121 independent test results. The results show the difference in the stopping abilities of each lining material.

RETARDATION FORCE

MORE FORCE IS BETTER: Retardation ratio represents the force (PSI) applied by the brake divided by the Gross Axle Weight Rating (GAWR). A greater ratio implies a greater brake force.



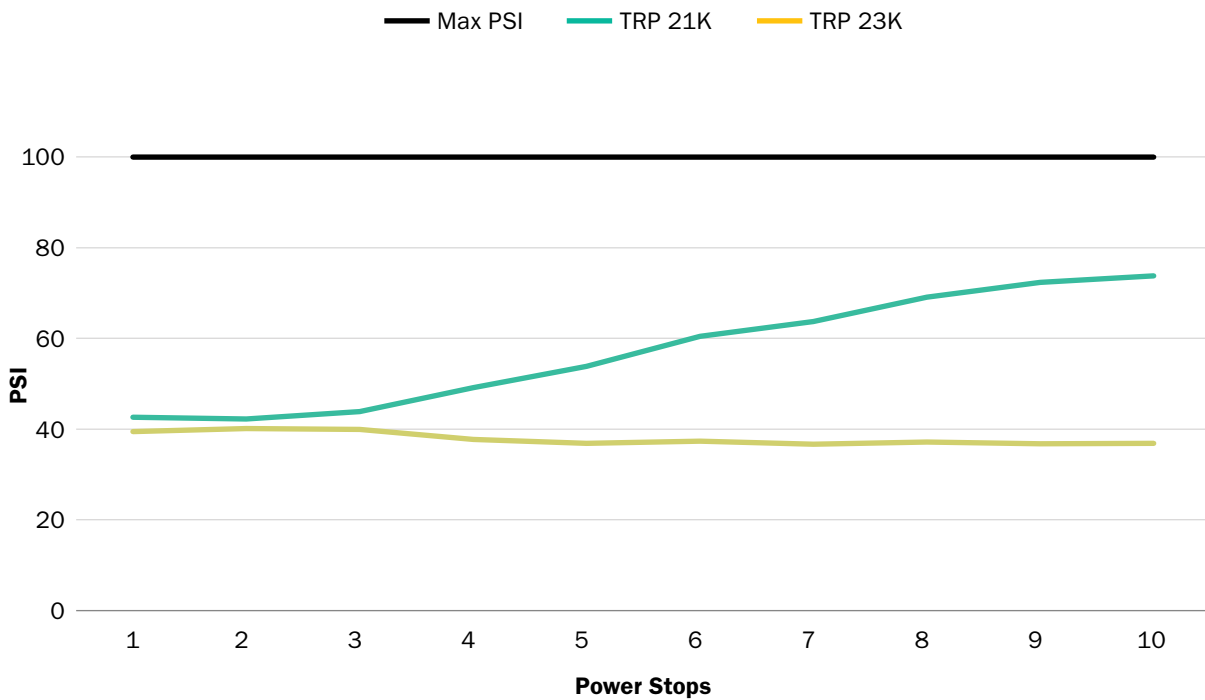
- The above retardation force comparison shows that the 23K lining produces more overall friction than the 21K lining.
- More friction applied to the drum will generate better deceleration.



21K & 23K COMPARISON

FADE PERFORMANCE

LESS IS BEST: Simulates 10 continuous, abrupt decelerations. Lower air pressures indicate less brake force is required to perform the abrupt stop.



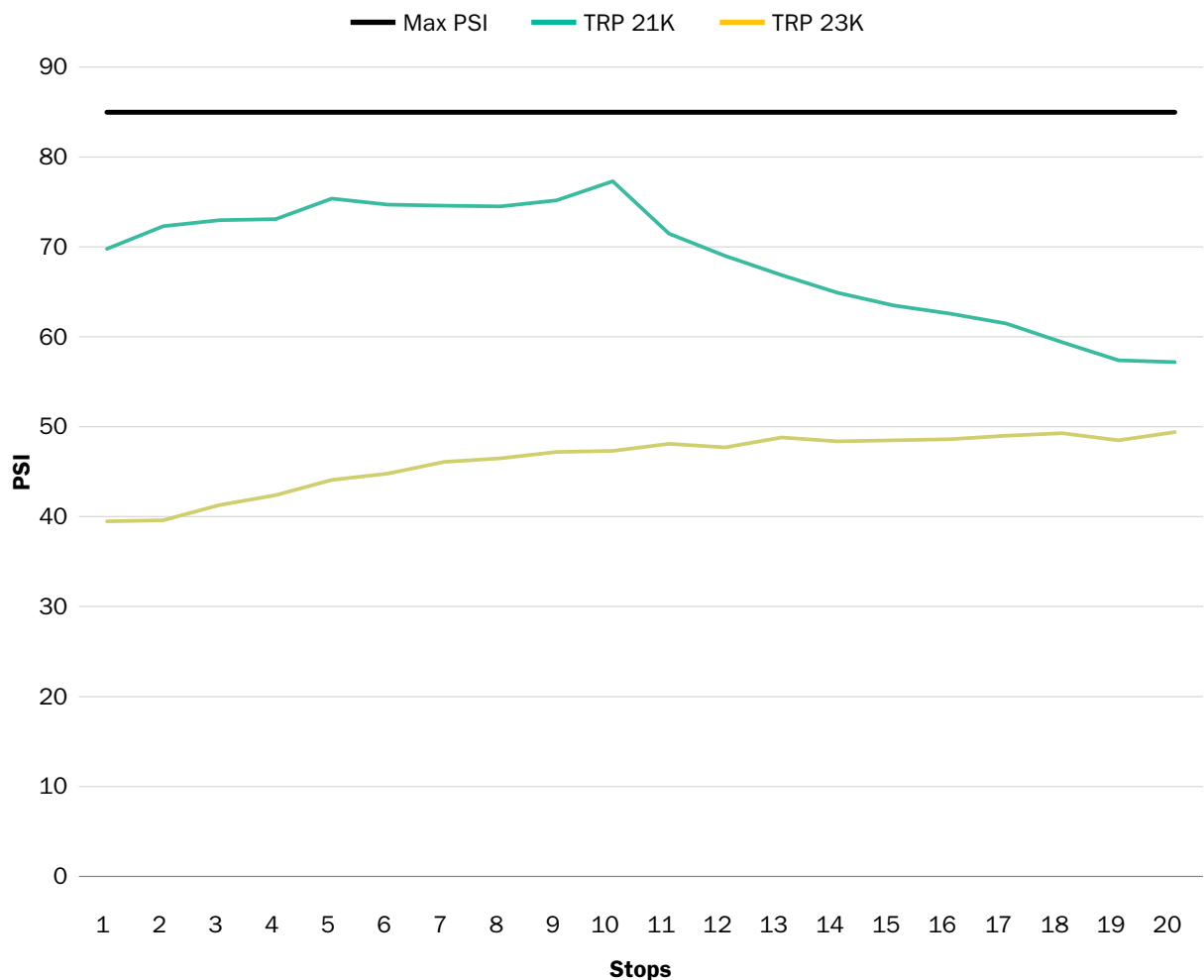
- As linings get hotter, more force (PSI) from the air chamber is needed to create enough friction in order to stop.
- The above comparison shows higher PSI is required over the 10 stops on the 21K lining, whilst the 23K remains consistent.



21K & 23K COMPARISON

RECOVERY PERFORMANCE

LESS IS BEST: Simulates how fast the lining material recovers after the Fade test and measures how well the brake copes with conditions that could result in brake fade.

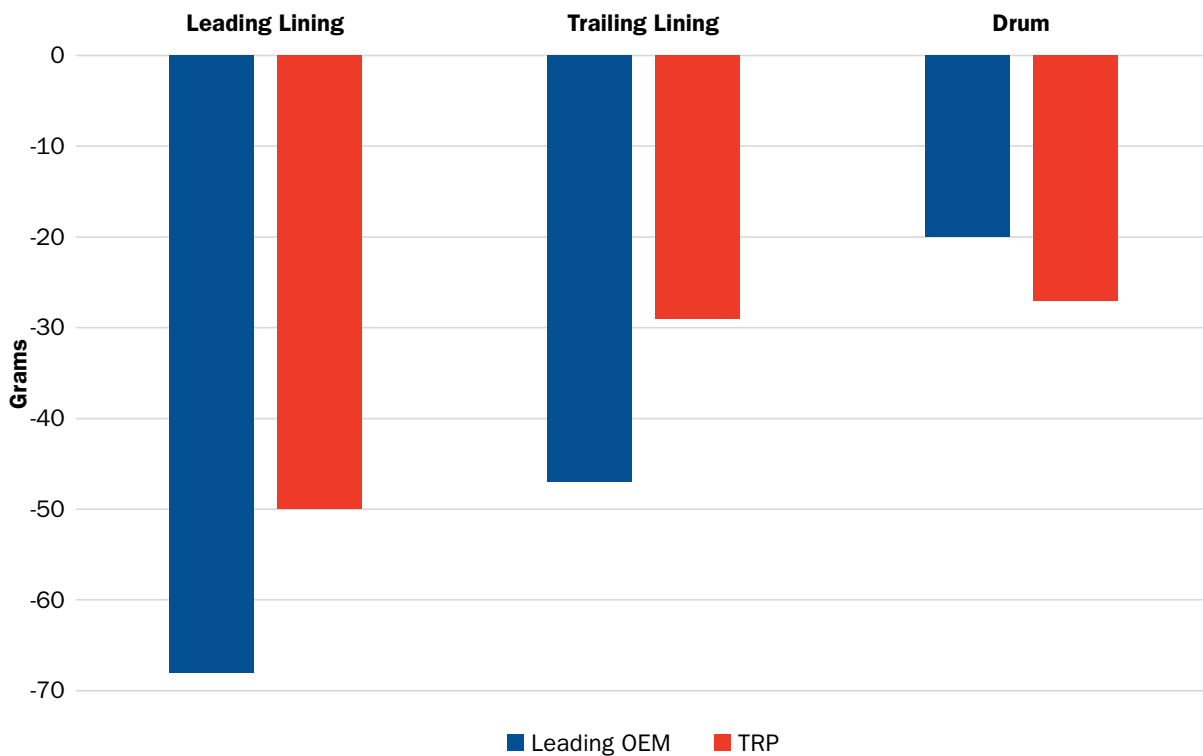


- This test shows the ability of the linings to continue to create sufficient friction after it has been exposed to the high temperatures in the Fade test.
- The 21K lining shows a steady decrease in PSI over the 20 stops, whilst the 23K shows a consistent and steady PSI throughout the test.



21K & 23K COMPARISON

LINING WEIGHT LOSS IN GRAMS*



- The above graph shows total weight loss of the linings and drum after the FMVSS 121 test has been completed. The smaller the bar the better the result. The leading OEM brake shoe manufacturer results have also been included. The comparison shows that TRP® linings outlast the OEM equivalent by up to 30% and deliver a better return on investment.

- *21,000 lb GAWR lining comparison

BRAKE SYSTEMS

DISC BRAKE PADS

TRP® disc brake pads have been manufactured and engineered to deliver consistent and reliable braking performance day in, day out. The range covers the most popular applications in the truck and trailer market and have been developed by an OE manufacturer.

TRP® disc brake pads are also certified ECE R90, a standard that is recognised by Australian and New Zealand Design Rules.



DISC BRAKE PADS

DESIGNED TO MATCH ORIGINAL EQUIPMENT QUALITY STANDARDS

- Manufactured in state of the art facilities to meet the most stringent automotive quality standards
- Tested and benchmarked against OEM friction materials
- Bedding in performance coating

BEST POSSIBLE BRAKE PERFORMANCE UNDER ALL CONDITIONS

- Patented "Steel Peel" retention system for optimal adhesion of friction material on back plate
- Equal heat distribution for constant performance and even wear pattern
- Braking performance comparable to original equipment brake pads

QUALITY ASSURED

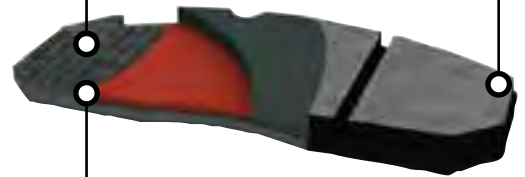
- ECE R90 approved tests conducted by independent test authorities
- ECE R90 is a recognised standard in Australia and NZ and tests the pads performance to ensure it is within 15% of the OEM product
- TRP Brake Pads clearly marked with ECE R90 code number, WVA number and batch code for full traceability

FEATURES & BENEFITS

- ECE R90 certified, a recognised standard in Australia and NZ
- Heavy duty and super heavy duty friction material options to suit multiple applications
- Matched TRP rotors available on some applications.
- Independently tested against the leading disc pads on the market ensures TRP can compete against the best.
- 12 month unlimited kilometre, hassle-free warranty

FULL FACE BEDDING-IN COATING
PERFORMANCE FROM FIRST FIT

"STEEL PEEL"
RETENTION SYSTEM



OE THICKNESS BACK PLATES
MAXIMUM RESISTANCE TO BEND & FLEX ENSURES REDUCTION IN HOT SPOTTING & PRESENTS FULL PAD FACE TO THE ROTOR





DISC BRAKE PADS

NO.	BRAKE PAD DRAWING	PART NUMBER	CALIPER NUMBER	APPLICATION	CROSS REFERENCE	TRADE NUMBER (WVA)	LINING TYPE
1		1962436	BPW TSB4309	<ul style="list-style-type: none"> • BPW • SAF 	<ul style="list-style-type: none"> • 980107960 	29228	HEAVY DUTY
2		AD1527SD	DANA ESD-225	<ul style="list-style-type: none"> • DANA 	<ul style="list-style-type: none"> • 92008 	9143/29143USA	SUPER HEAVY DUTY
3		0908142	KNORR SB6/SN6	<ul style="list-style-type: none"> • IVECO EUROCARGO TECTOR 	<ul style="list-style-type: none"> • MDP3095K • DCVP036K • WDP036K 	29095	HEAVY DUTY
4		1961734	KNORR SB6/SN6	<ul style="list-style-type: none"> • BPW SB3745, SB3745T 	<ul style="list-style-type: none"> • 980108160 • 980108150 • MDP3171K • WDP092K 	29306	HEAVY DUTY
5		0908134	KNORR SB7000	<ul style="list-style-type: none"> • SAF • SCANIA 	<ul style="list-style-type: none"> • MDP3087K • WDP020K • DCVP020K 	29087	HEAVY DUTY
6		1540192	KNORR SB7/SN7 HD	<ul style="list-style-type: none"> • DAF 	<ul style="list-style-type: none"> • 1982826 	29087	SUPER HEAVY DUTY
7		1536934	KNORR SK7	<ul style="list-style-type: none"> • SAF 	<ul style="list-style-type: none"> • K070796 	29158	SUPER HEAVY DUTY
8		1962431	KNORR SK7	<ul style="list-style-type: none"> • SAF 	<ul style="list-style-type: none"> • 3057008500 	29158	HEAVY DUTY



NO.	BRAKE PAD DRAWING	PART NUMBER	CALIPER NUMBER	APPLICATION	CROSS REFERENCE	TRADE NUMBER (WVA)	LINING TYPE
9		1961736	KNORR SK7	<ul style="list-style-type: none"> • BPW SB4309T 	<ul style="list-style-type: none"> • MDP3173K • DCVP094 • WDP094K 	29308	HEAVY DUTY
10		1536932	MERITOR DX 225	<ul style="list-style-type: none"> • KENWORTH • MACK 	<ul style="list-style-type: none"> • K1T225020 • KIT225020 	29150	SUPER HEAVY DUTY
11		0908137	MERITOR DX195	<ul style="list-style-type: none"> • KENWORTH • MACK 	<ul style="list-style-type: none"> • MDPDX195 • MDP3124K • WDP024K 	29124	HEAVY DUTY
12		1962266	MERITOR ELSA225-1	<ul style="list-style-type: none"> • MACK • VOLVO 	<ul style="list-style-type: none"> • MDP3126K • WDP095 	29173	SUPER HEAVY DUTY
13		1962267	MERITOR ELSA225-3	<ul style="list-style-type: none"> • VOLVO 	<ul style="list-style-type: none"> • MDP3174K • CVP101K 	29174	SUPER HEAVY DUTY
14		1536935	MERITOR EX225 H2	<ul style="list-style-type: none"> • KENWORTH • MACK 	<ul style="list-style-type: none"> • MDPEX225 	29187	SUPER HEAVY DUTY
15		0908138	WABCO PAN19-1	<ul style="list-style-type: none"> • K-HITCH • SAF • YORK 	<ul style="list-style-type: none"> • DCVP090K • CVP090PT • 12999737 • 1436901 • MDP3126K • WDP090K • 3057008000 	29159	HEAVY DUTY
16		1962432	WABCO PAN22-1	<ul style="list-style-type: none"> • SAF • YORK 	<ul style="list-style-type: none"> • MDP3162K • 12999796 • DCVP096K • WDP096K 	29162	HEAVY DUTY



BPW TSB 4309

HEAVY DUTY

TRP PAD NO.

1962436

WVA

29228

MATERIAL

TRP1210HD

CALIPER

BPW TSB 4309

HEIGHT

117.8mm

LENGTH

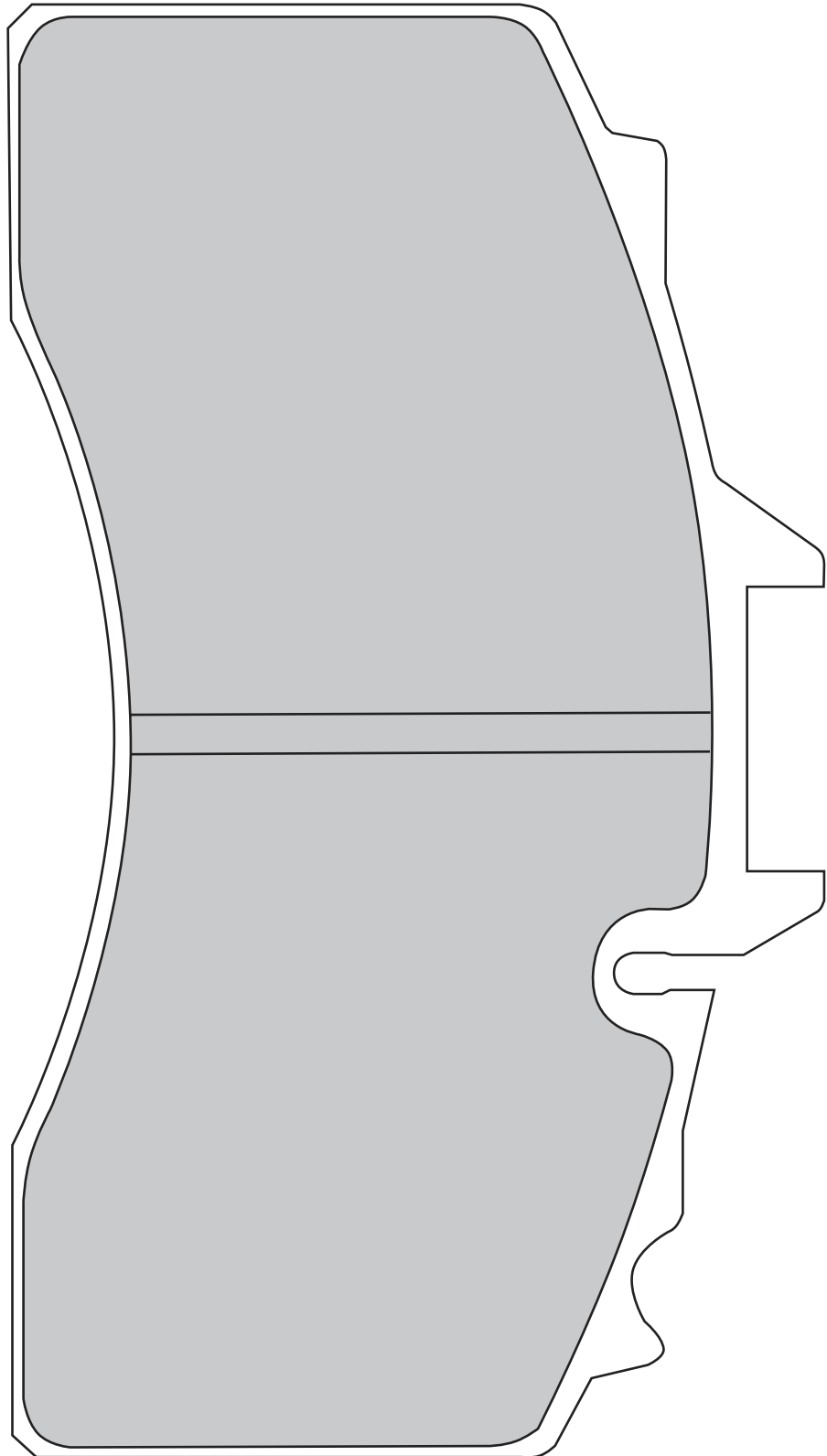
210.3mm

THICKNESS

29.6mm

PAD SHAPE

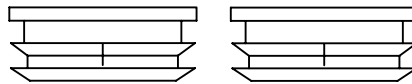
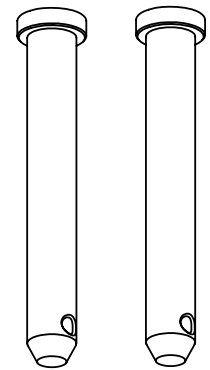
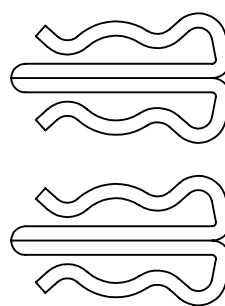
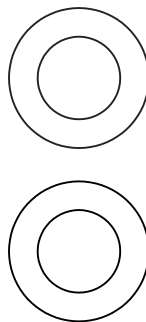
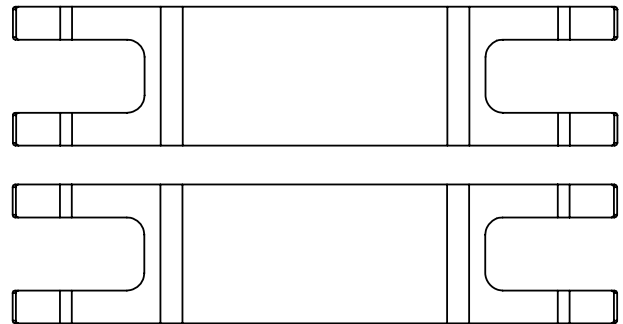
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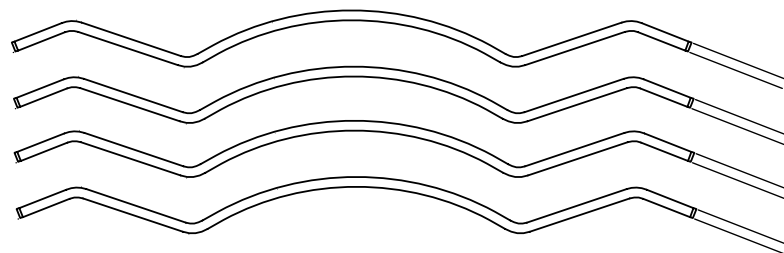
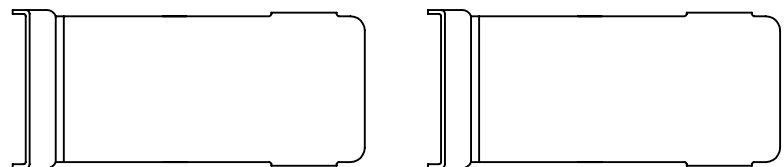
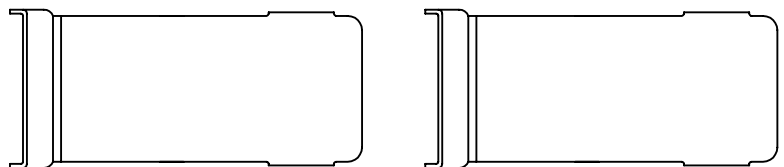
BPW TSB 4309

HEAVY DUTY
TRP PAD NO.
1962436
WVA
29228
MATERIAL
TRP1210HD
CALIPER
BPW TSB 4309
HEIGHT
117.8mm
LENGTH
210.3mm
THICKNESS
29.6mm



ACCESSORY KIT

*NOT TO SCALE





HALDEX DB22

SUPER HEAVY DUTY

TRP PAD NO.

AD1527SD

WVA

29185

MATERIAL

TRP1310SHD

CALIPER

HALDEX DB22

HEIGHT

104.5mm

LENGTH

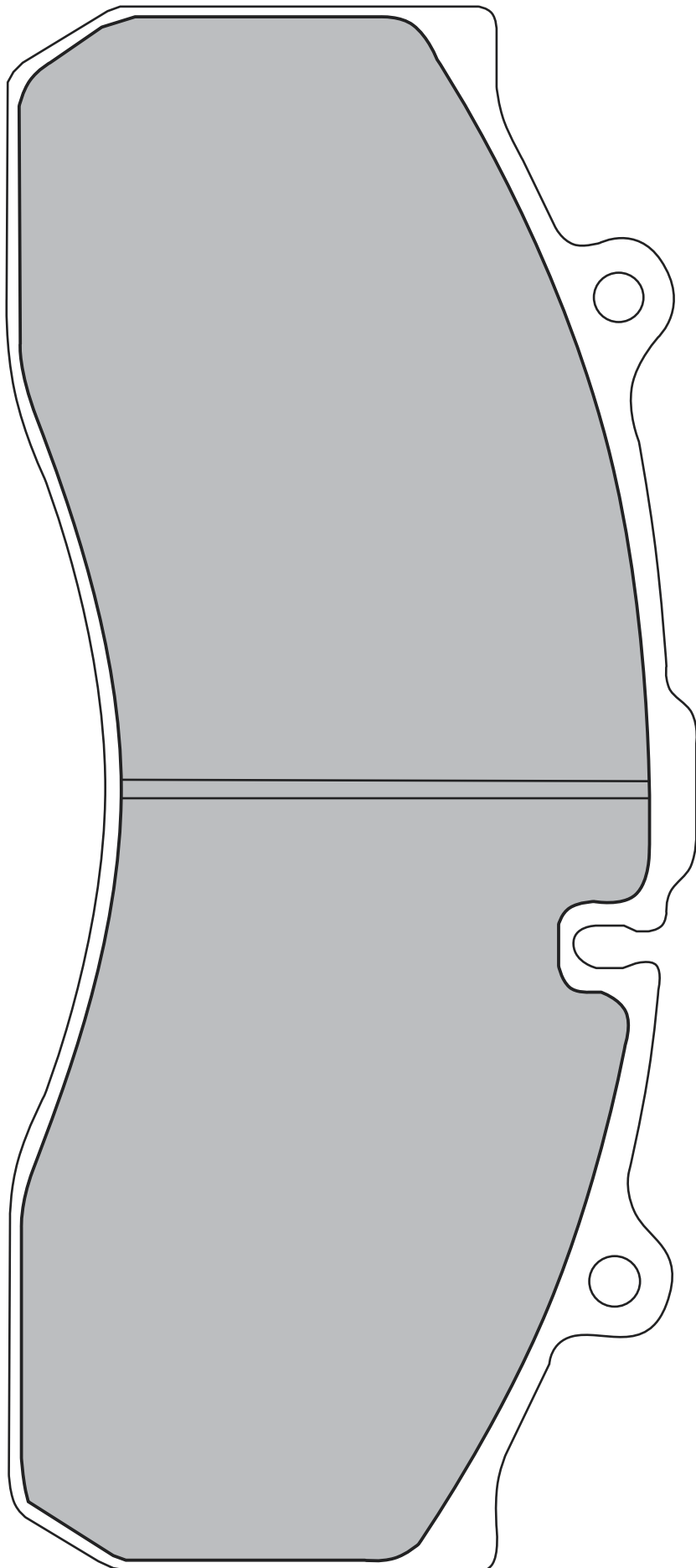
247.6mm

THICKNESS

30mm

PAD SHAPE

*NOT TO SCALE





HALDEX DB22

SUPER HEAVY DUTY

TRP PAD NO.

AD1527SD

WVA

29185

MATERIAL

TRP1310SHD

CALIPER

HALDEX DB22

HEIGHT

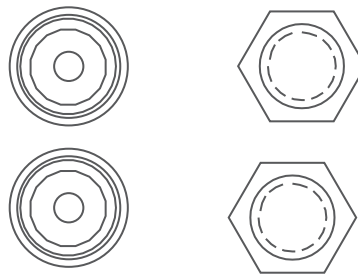
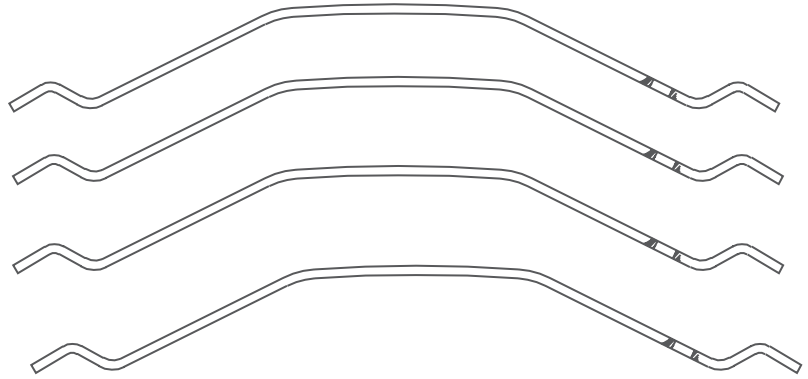
104.5mm

LENGTH

247.6mm

THICKNESS

30mm



ACCESSORY KIT

*NOT TO SCALE



KNORR SN6000

HEAVY DUTY

TRP PAD NO.

1961734

WVA

29306

MATERIAL

TRP1210HD

CALIPER

KNORR SN6000

HEIGHT

92.5mm

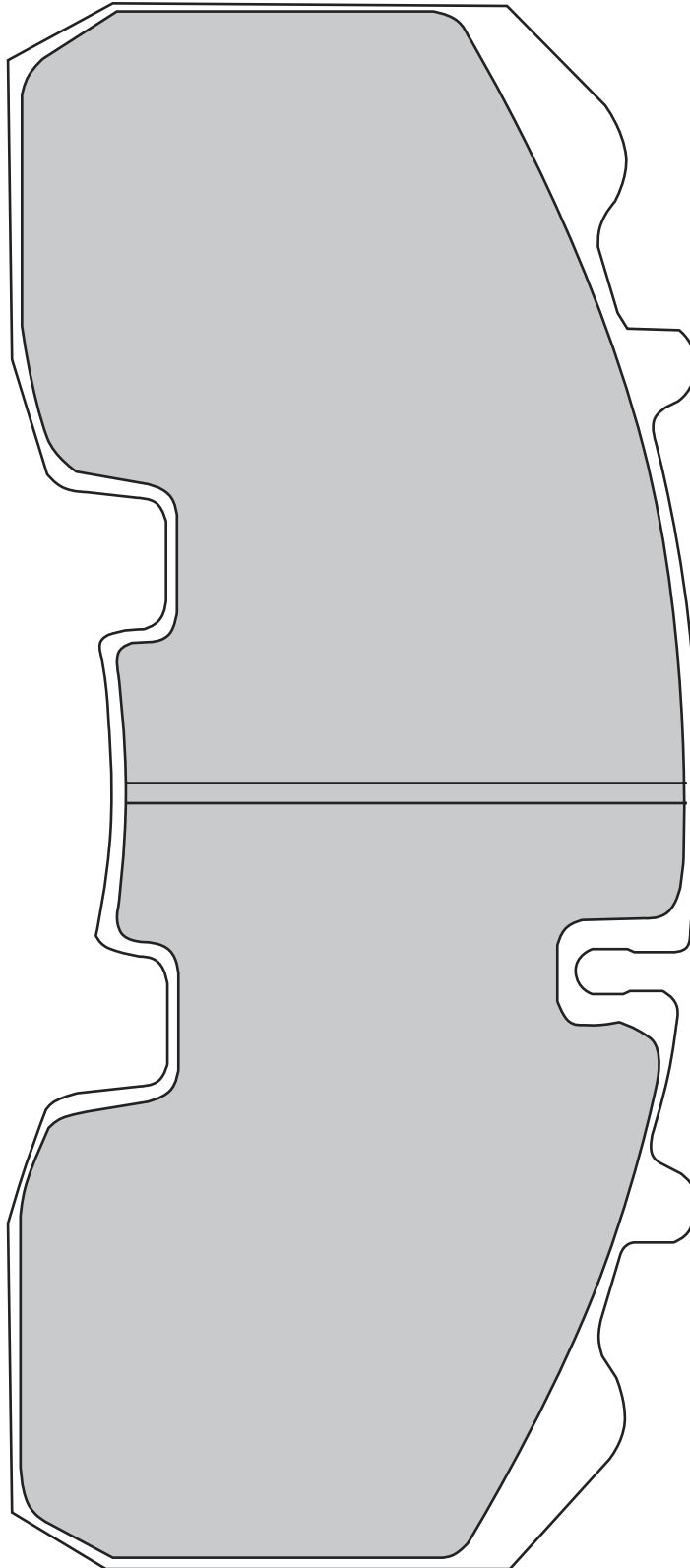
LENGTH

210.7mm

THICKNESS

30mm

PAD SHAPE

***NOT TO SCALE**



KNORR SN6000

HEAVY DUTY

TRP PAD NO.

1961734

WVA

29306

MATERIAL

TRP1210HD

CALIPER

KNORR SN6000

HEIGHT

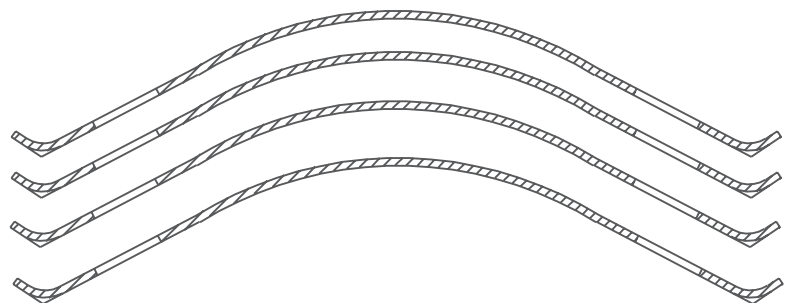
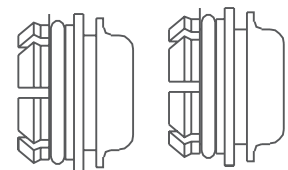
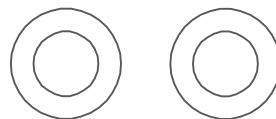
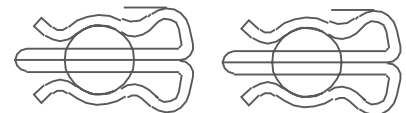
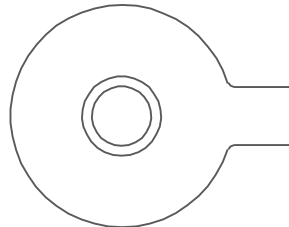
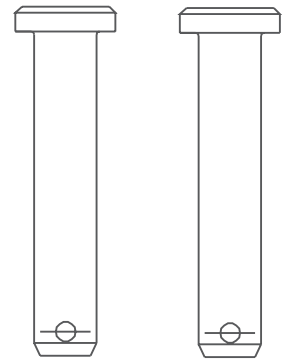
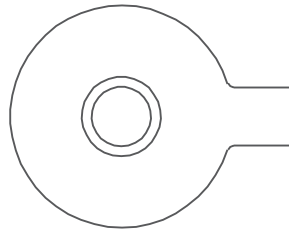
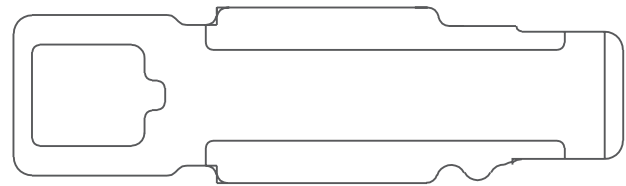
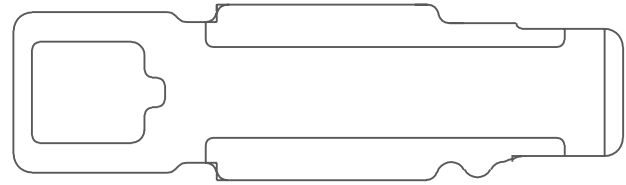
92.5mm

LENGTH

210.7mm

THICKNESS

30mm



ACCESSORY KIT

*NOT TO SCALE



KNORR SB6000

HEAVY DUTY

TRP PAD NO.

0908142

WVA

29095

MATERIAL

TRP1210HD

CALIPER

KNORR SB6000

HEIGHT

92.5mm

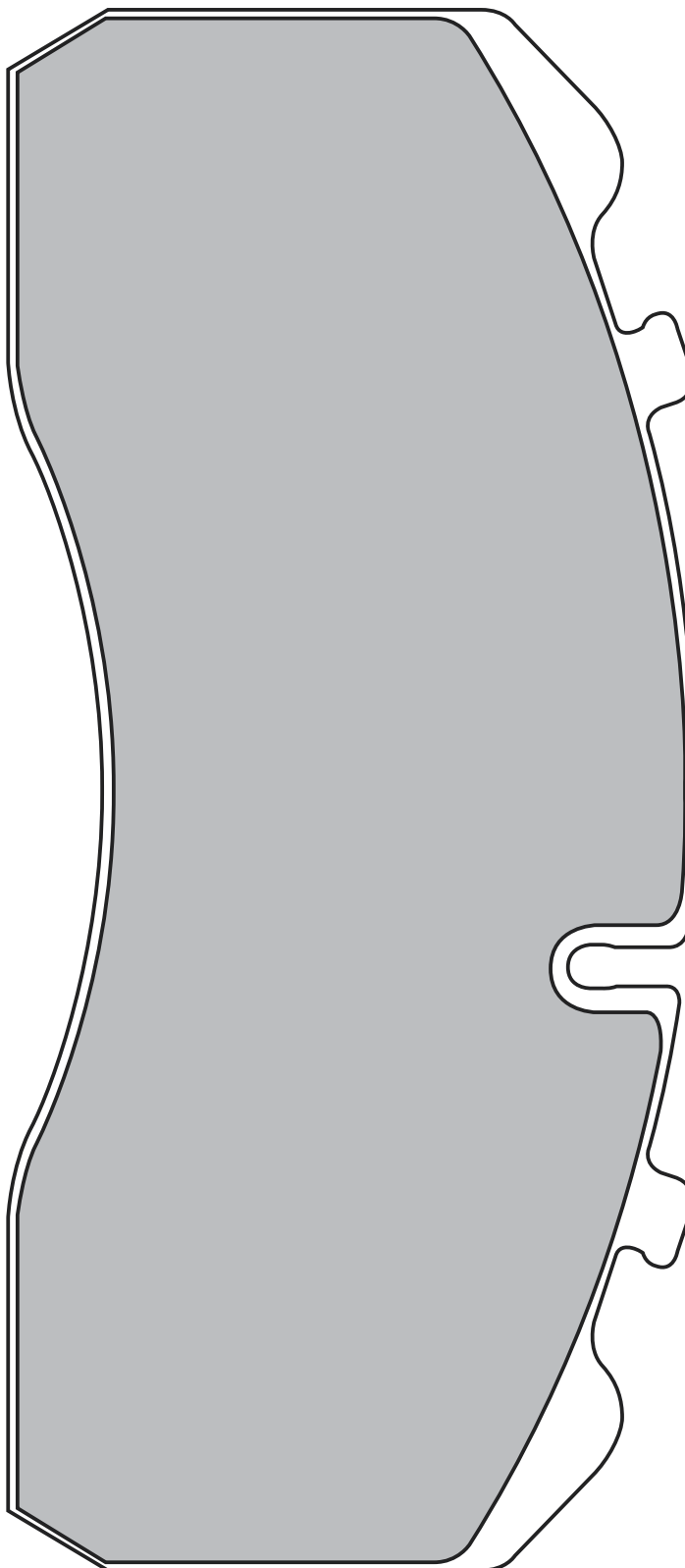
LENGTH

210.7mm

THICKNESS

30mm

PAD SHAPE

***NOT TO SCALE**



KNORR SB6000

HEAVY DUTY

TRP PAD NO.

0908142

WVA

29095

MATERIAL

TRP1210HD

CALIPER

KNORR SB6000

HEIGHT

92.5mm

LENGTH

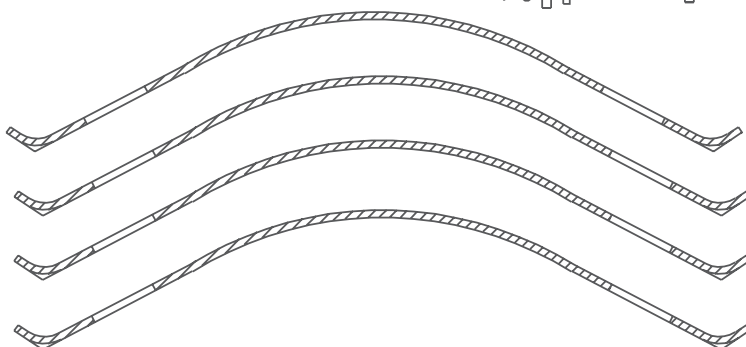
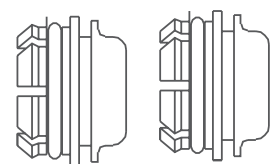
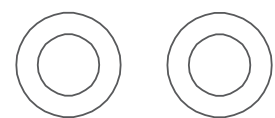
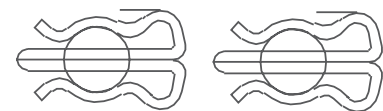
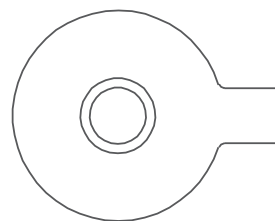
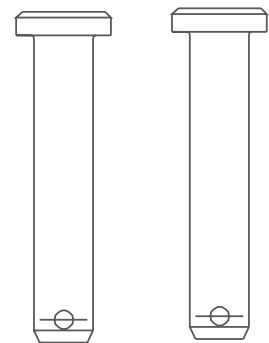
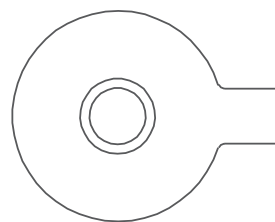
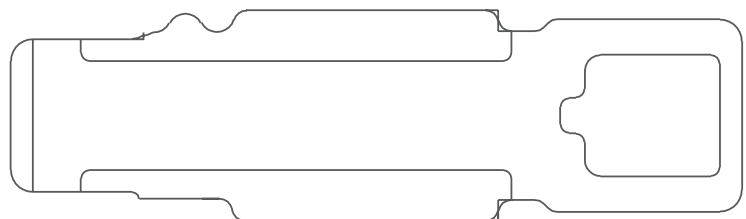
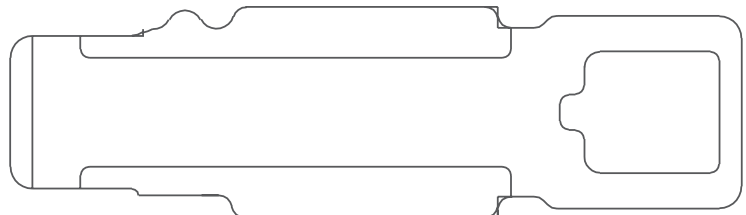
210.7mm

THICKNESS

30mm

ACCESSORY KIT

*NOT TO SCALE





KNORR PROTEC SB7000

HEAVY DUTY

TRP PAD NO.

0908134

WVA

29253

MATERIAL

TRP1210HD

CALIPER

KNORR PROTEC
SB7000

HEIGHT

108mm

LENGTH

247.5mm

THICKNESS

30mm

SUPER HEAVY DUTY

TRP PAD NO.

1540192

WVA

29253

MATERIAL

TRP1310SHD

CALIPER

KNORR PROTEC
SB7000

HEIGHT

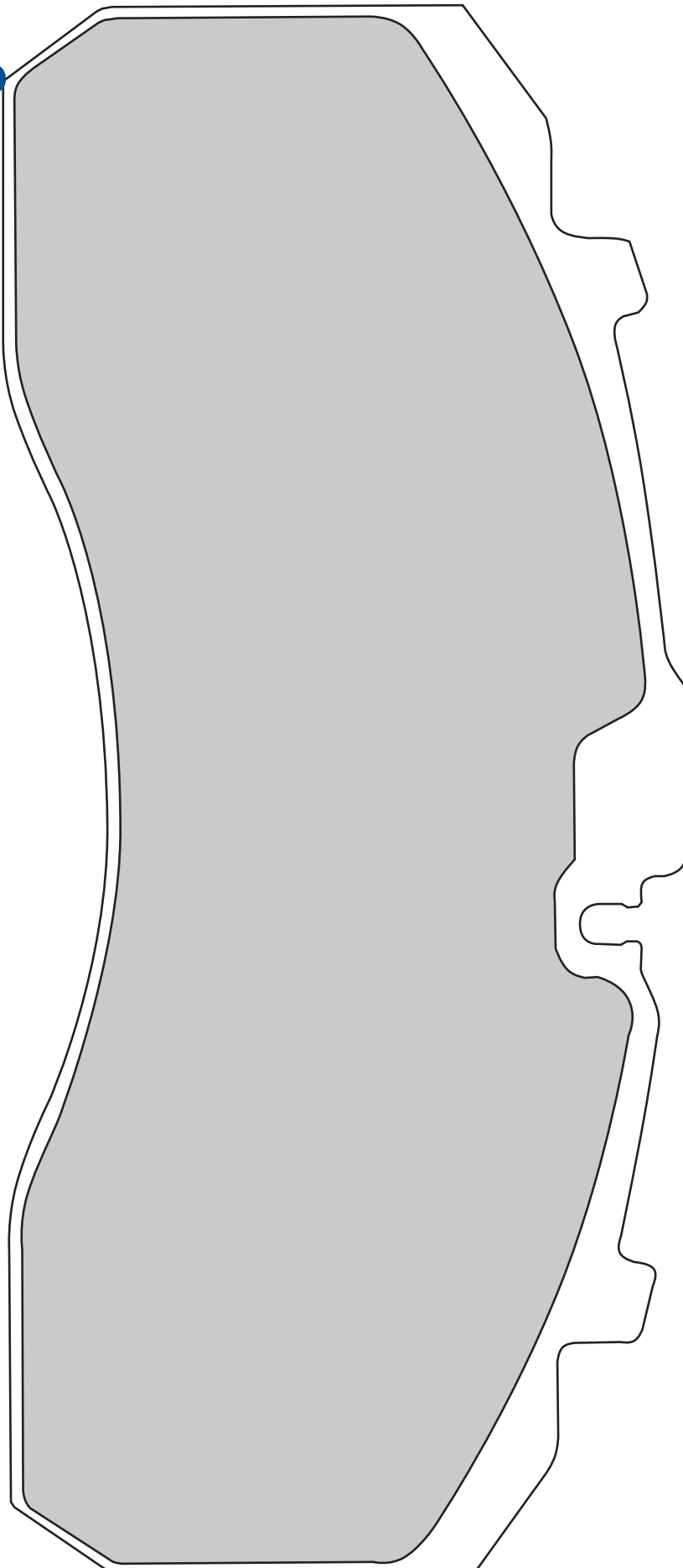
108mm

LENGTH

247.5mm

THICKNESS

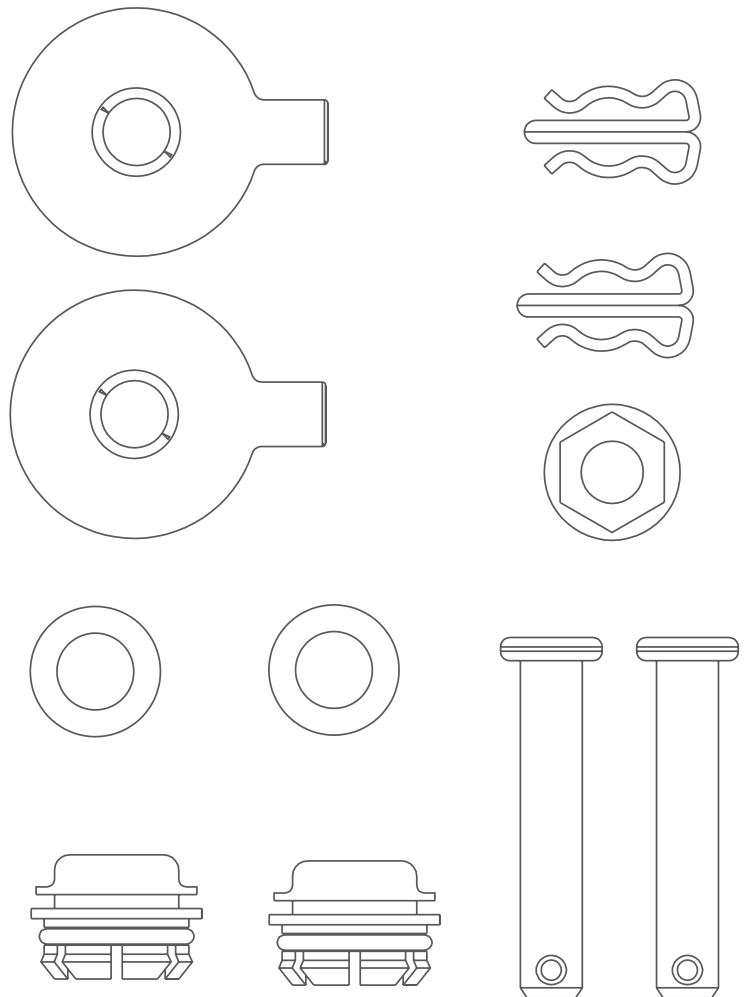
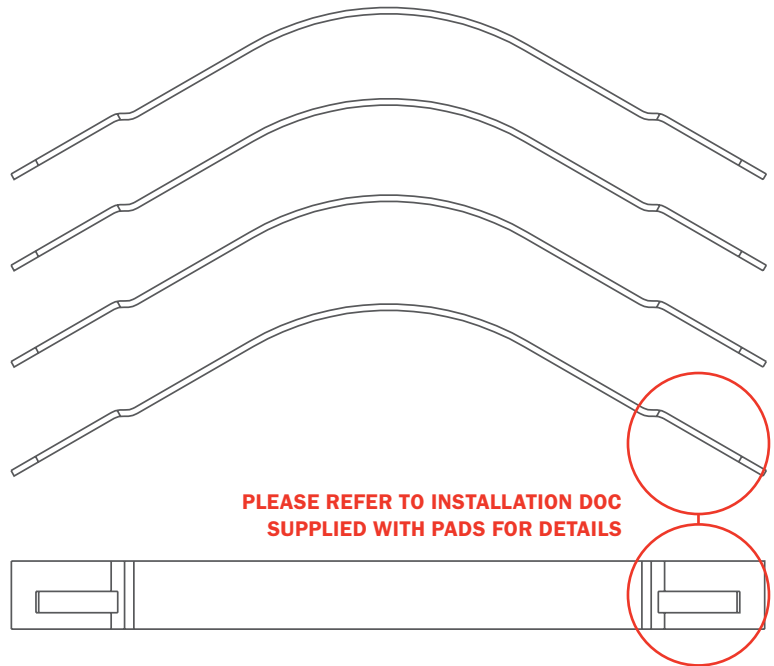
30mm





KNORR PROTEC SB7000

HEAVY DUTY	
TRP PAD NO.	
0908134	
WVA	
29253	
MATERIAL	
TRP1210HD	
CALIPER	
KNORR PROTEC SB7000	
HEIGHT	
108mm	
LENGTH	
247.5mm	
THICKNESS	
30mm	
SUPER HEAVY DUTY	
TRP PAD NO.	
1540192	
WVA	
29253	
MATERIAL	
TRP1310SHD	
CALIPER	
KNORR PROTEC SB7000	
HEIGHT	
108mm	
LENGTH	
247.5mm	
THICKNESS	
30mm	



ACCESSORY KIT
*NOT TO SCALE



KNORR SK7000

HEAVY DUTY

TRP PAD NO.

1961736

WVA

29308

MATERIAL

TRP1210HD

CALIPER

KNORR SK7000

HEIGHT

108.5mm

LENGTH

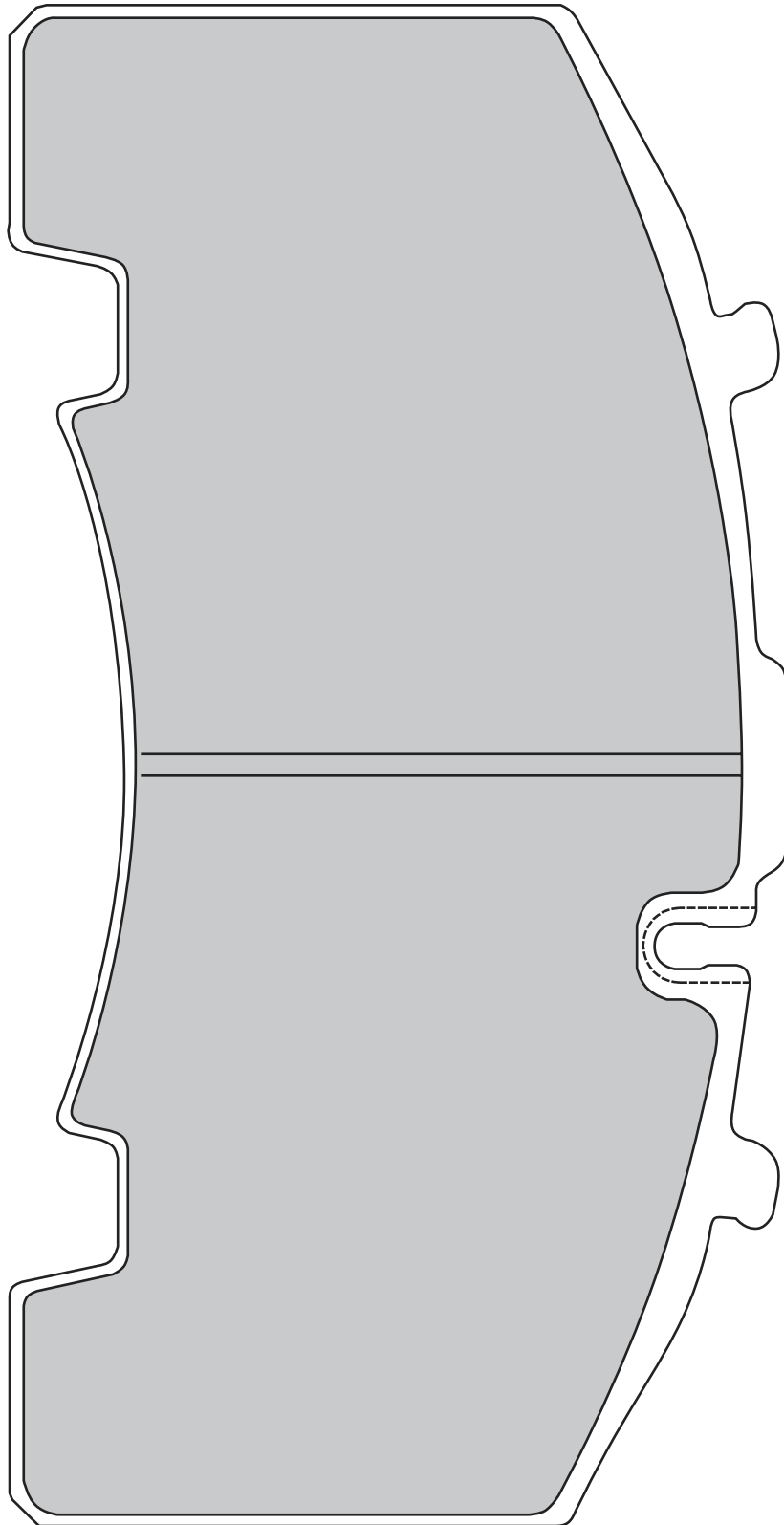
210.7mm

THICKNESS

30mm

PAD SHAPE

*NOT TO SCALE





KNORR SK7000

HEAVY DUTY

TRP PAD NO.

1961736

WVA

29308

MATERIAL

TRP1210HD

CALIPER

KNORR SK7000

HEIGHT

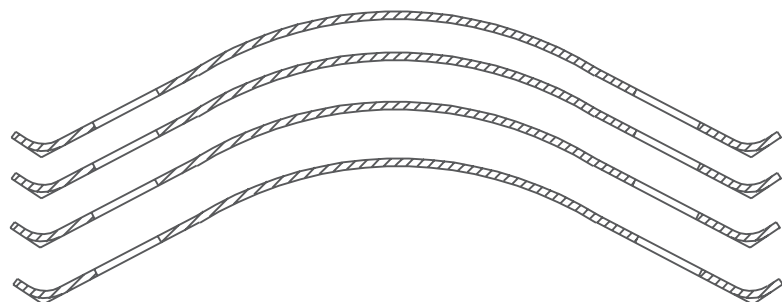
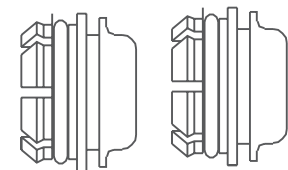
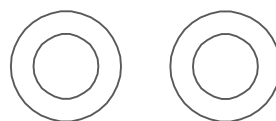
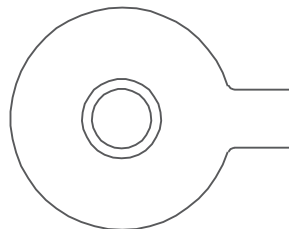
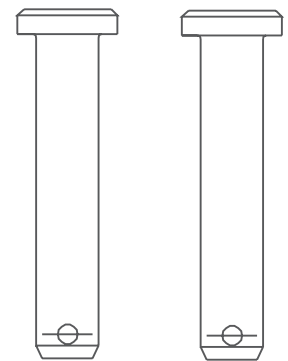
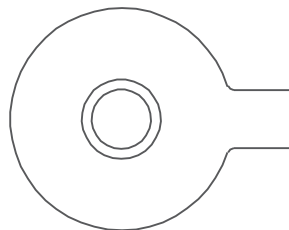
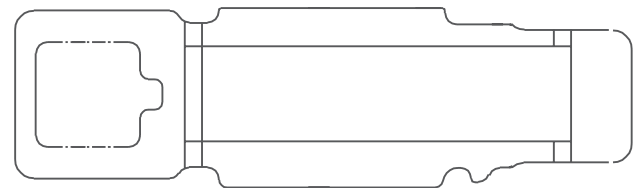
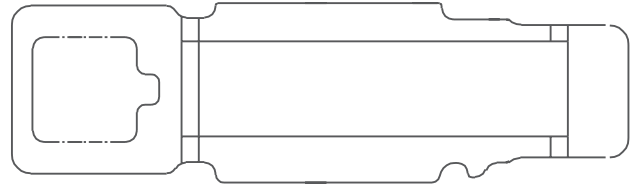
108.5mm

LENGTH

210.7mm

THICKNESS

30mm



ACCESSORY KIT

*NOT TO SCALE



KNORR SK7000

HEAVY DUTY

TRP PAD NO.

1962431

WVA

29158

MATERIAL

TRP1210HD

CALIPER

KNORR SK7000

HEIGHT

108.5mm

LENGTH

210.7mm

THICKNESS

30mm

SUPER HEAVY DUTY

TRP PAD NO.

1536934

WVA

29158

MATERIAL

TRP1310SHD

CALIPER

KNORR SK7000

HEIGHT

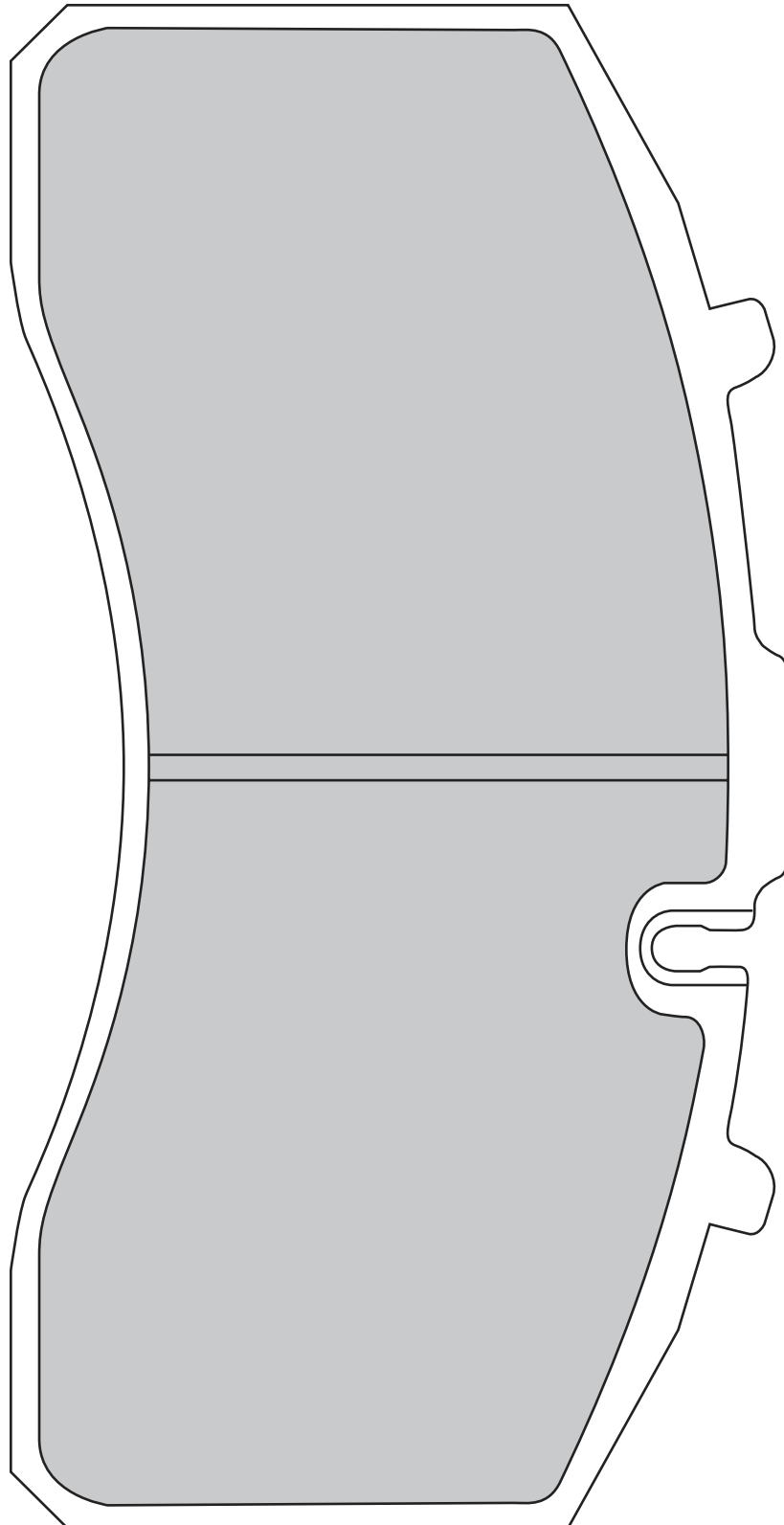
108.5mm

LENGTH

210.7mm

THICKNESS

30mm



PAD SHAPE

*NOT TO SCALE



KNORR SK7000

HEAVY DUTY

TRP PAD NO.

1962431

WVA

29158

MATERIAL

TRP1210HD

CALIPER

KNORR SK7000

HEIGHT

108.5mm

LENGTH

210.7mm

THICKNESS

30mm

SUPER HEAVY DUTY

TRP PAD NO.

1536934

WVA

29158

MATERIAL

TRP1310SHD

CALIPER

KNORR SK7000

HEIGHT

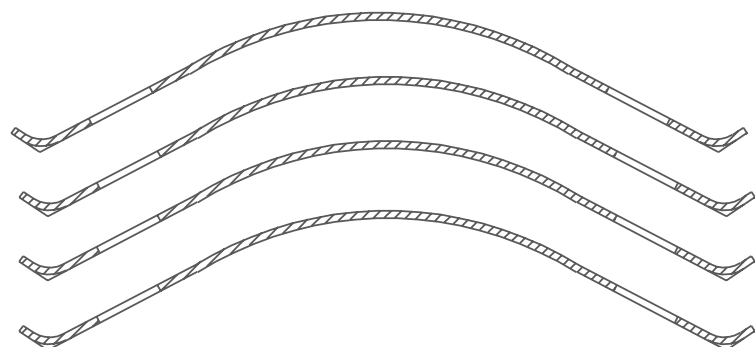
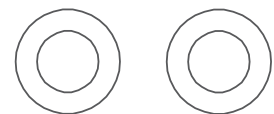
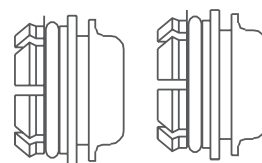
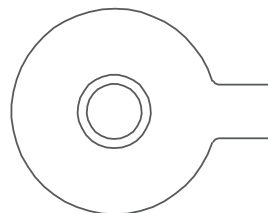
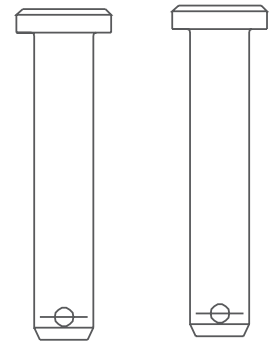
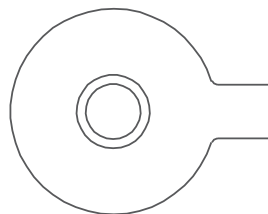
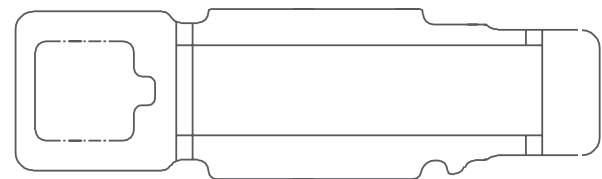
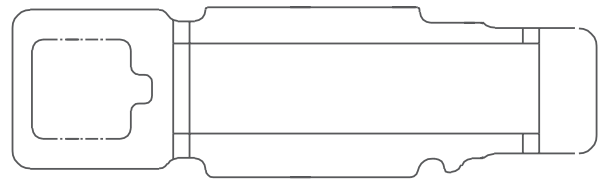
108.5mm

LENGTH

210.7mm

THICKNESS

30mm



ACCESSORY KIT

*NOT TO SCALE



MERITOR DX195

HEAVY DUTY

TRP PAD NO.

0908137

WVA

29124

MATERIAL

TRP1210HD

CALIPER

MERITOR DX195

HEIGHT

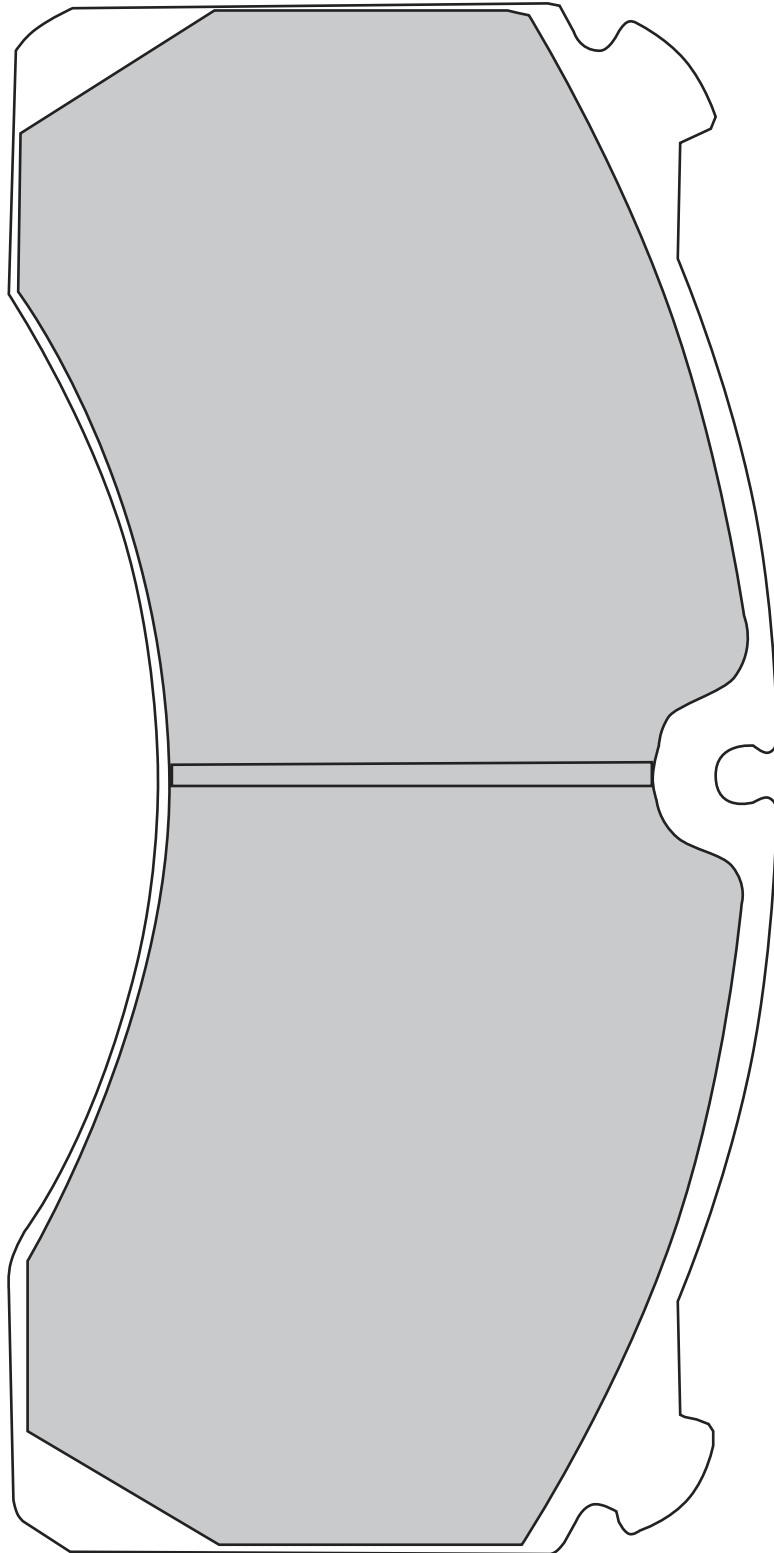
101.41mm

LENGTH

205.4mm

THICKNESS

27mm



PAD SHAPE

***NOT TO SCALE**



MERITOR DX195

HEAVY DUTY

TRP PAD NO.

0908137

WVA

29124

MATERIAL

TRP1210HD

CALIPER

MERITOR DX195

HEIGHT

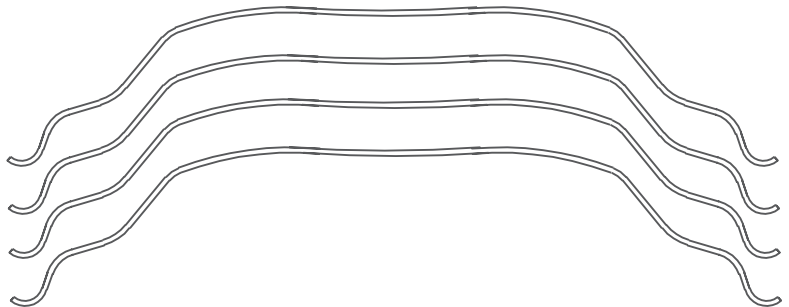
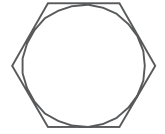
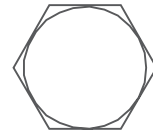
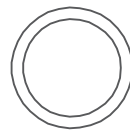
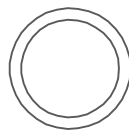
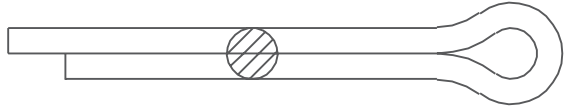
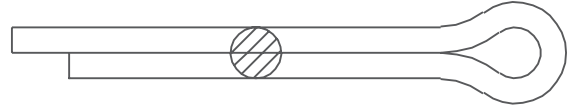
101.41mm

LENGTH

205.4mm

THICKNESS

27mm



ACCESSORY KIT

*NOT TO SCALE



MERITOR DX225

**SUPER
HEAVY DUTY**

TRP PAD NO.

1536932

WVA

29180

MATERIAL

TRP1310SHD

CALIPER

MERITOR DX225

HEIGHT

109.5mm

LENGTH

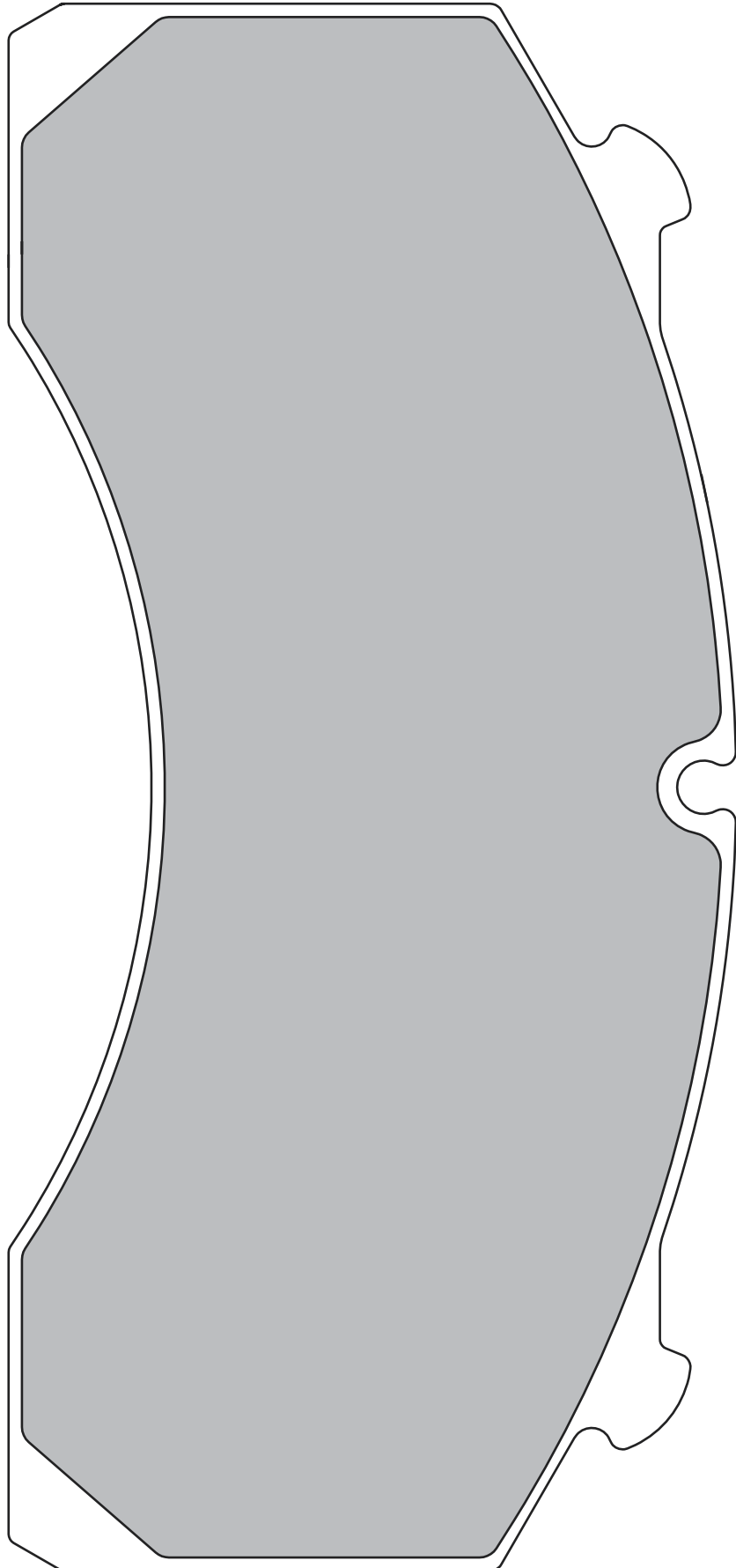
235.6mm

THICKNESS

29mm

PAD SHAPE

***NOT TO SCALE**





MERITOR DX225

SUPER HEAVY DUTY

TRP PAD NO.

1536932

WVA

29180

MATERIAL

TRP1310SHD

CALIPER

MERITOR DX225

HEIGHT

109.5mm

LENGTH

235.6mm

THICKNESS

29mm



ACCESSORY KIT

***NOT TO SCALE**



MERITOR ELSA 225-3

SUPER HEAVY DUTY

TRP PAD NO.

1962267

WVA

29174

MATERIAL

TRP1310SHD

CALIPER

MERITOR ELSA 225-3

HEIGHT

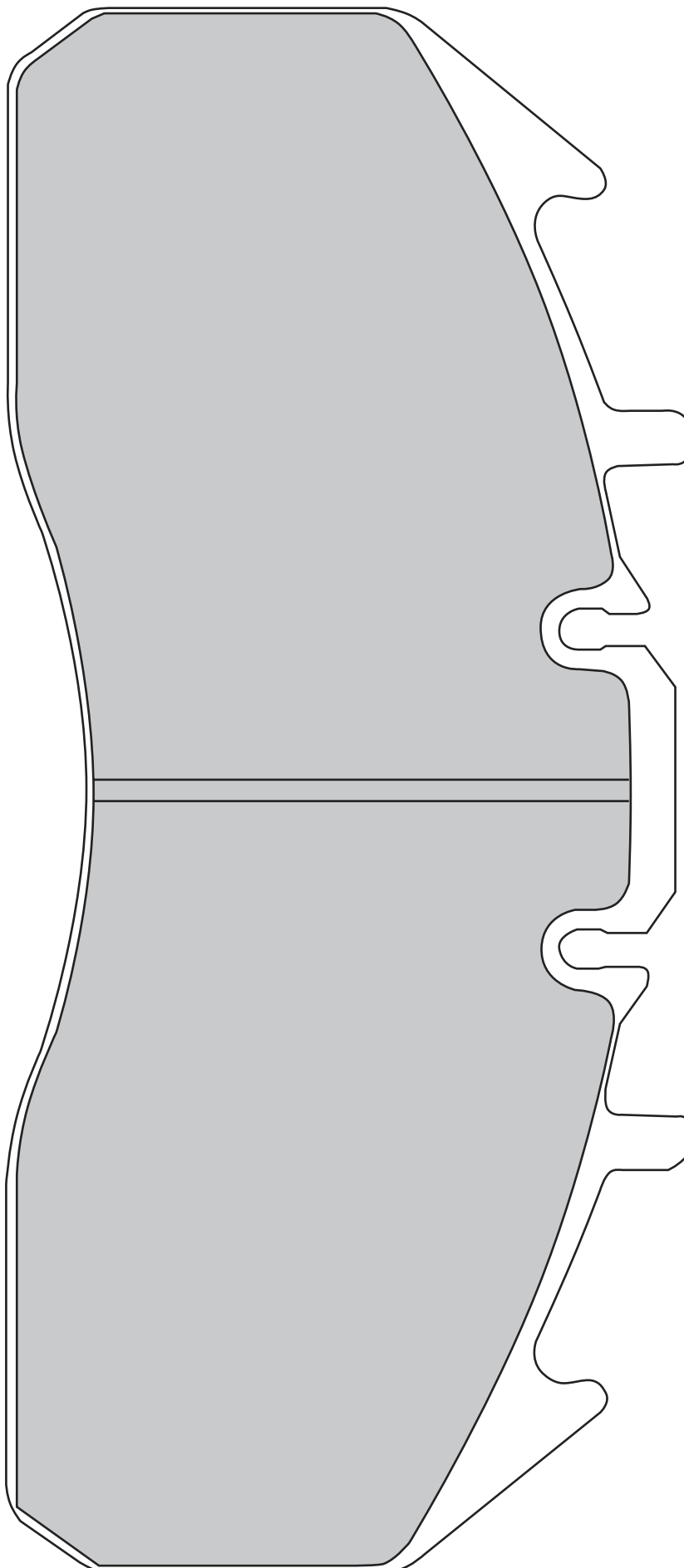
107.2mm

LENGTH

249.5mm

THICKNESS

29.2mm

PAD SHAPE***NOT TO SCALE**



MERITOR ELSA 225-3

SUPER HEAVY DUTY

TRP PAD NO.

1962267

WVA

29174

MATERIAL

TRP1310SHD

CALIPER

MERITOR ELSA 225-3

HEIGHT

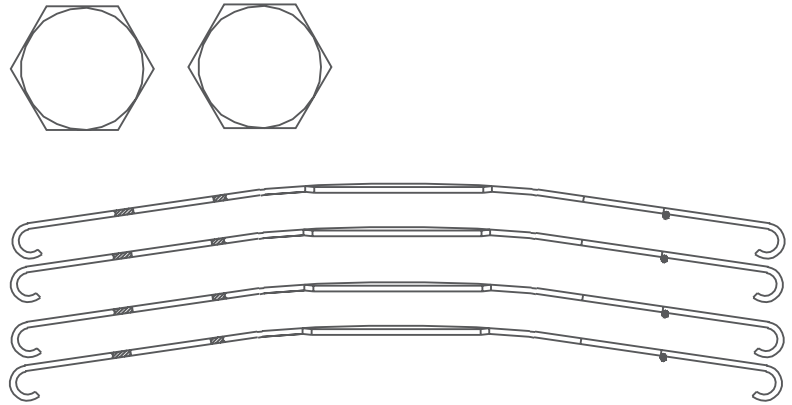
107.2mm

LENGTH

249.5mm

THICKNESS

29.2mm



ACCESSORY KIT

*NOT TO SCALE



MERITOR EX225 H2

SUPER HEAVY DUTY

TRP PAD NO.

1536935

WVA

29187

MATERIAL

TRP1310SHD

CALIPER

MERITOR EX225 H2

HEIGHT

116.2mm

LENGTH

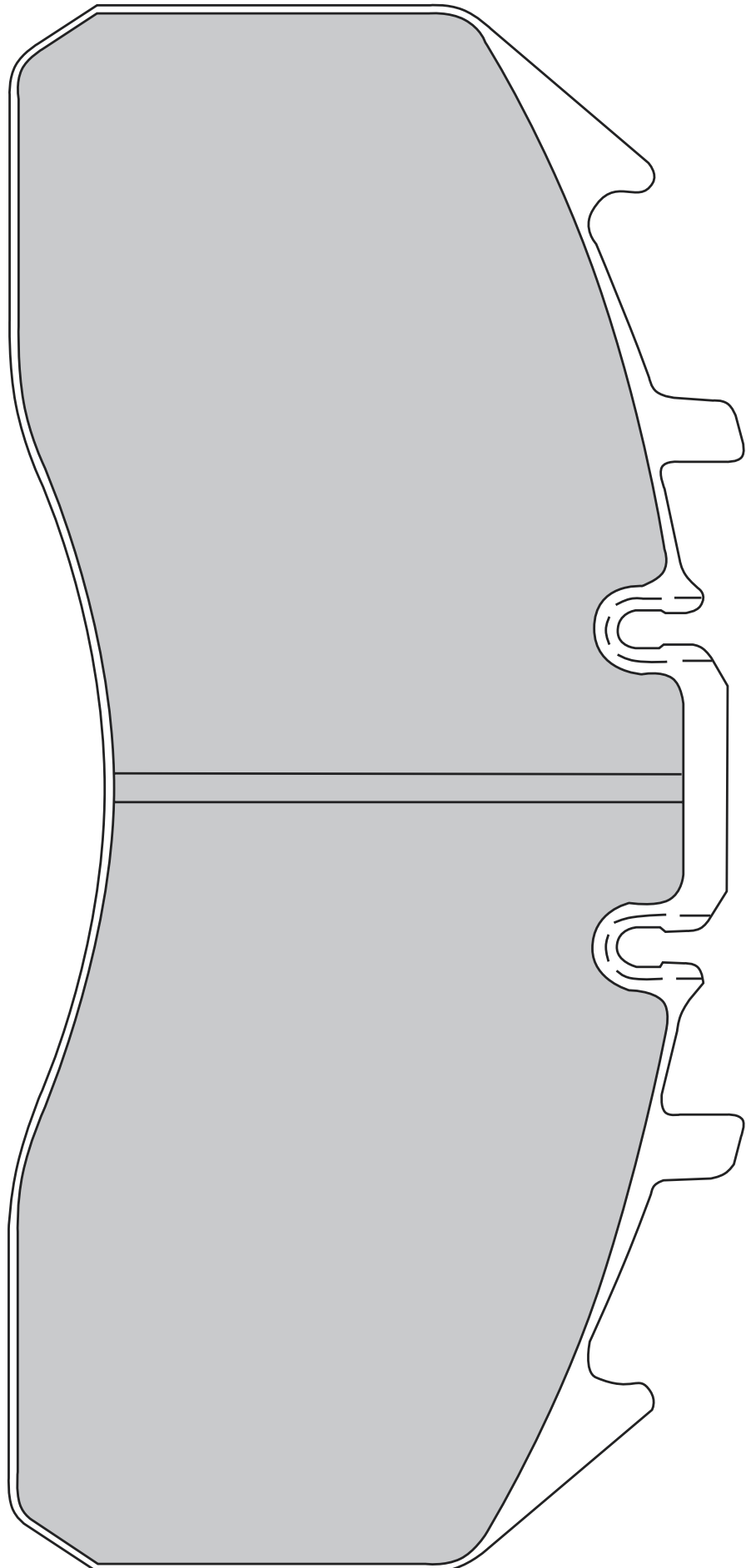
249.4mm

THICKNESS

28.8mm

PAD SHAPE

*NOT TO SCALE





MERITOR EX225 H2

SUPER HEAVY DUTY

TRP PAD NO.

1536935

WVA

29187

MATERIAL

TRP1310SHD

CALIPER

MERITOR EX225 H2

HEIGHT

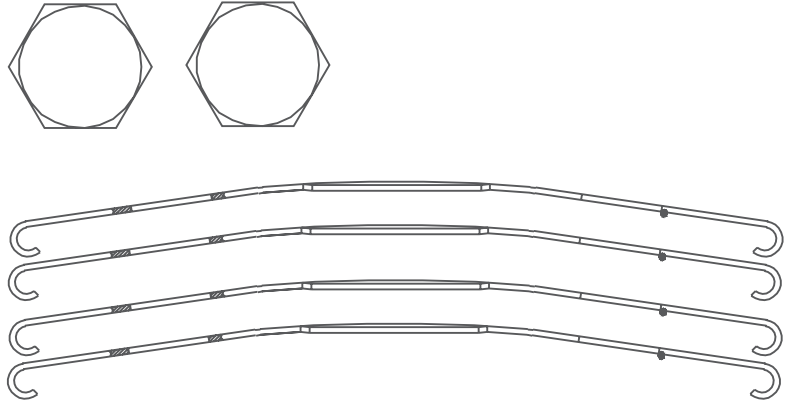
116.2mm

LENGTH

249.4mm

THICKNESS

28.8mm



ACCESSORY KIT

*NOT TO SCALE



WABCO PAN 19

HEAVY DUTY

TRP PAD NO.

0908138

WVA

29159

MATERIAL

TRP1210HD

CALIPER

WABCO PAN 19

HEIGHT

92.4mm

LENGTH

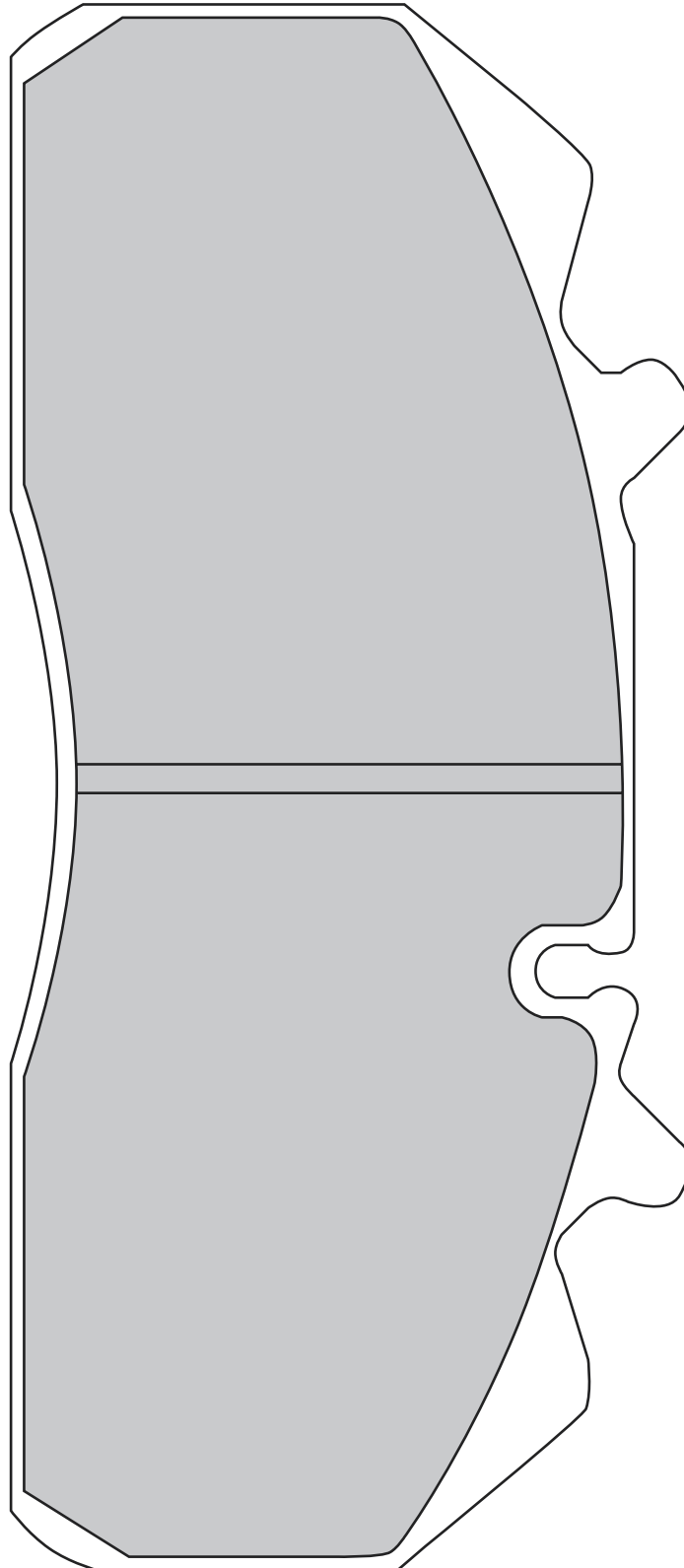
210.4mm

THICKNESS

29.7mm

PAD SHAPE

***NOT TO SCALE**





WABCO PAN 19

HEAVY DUTY

TRP PAD NO.

0908138

WVA

29159

MATERIAL

TRP1210HD

CALIPER

WABCO PAN 19

HEIGHT

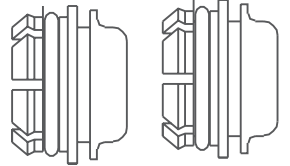
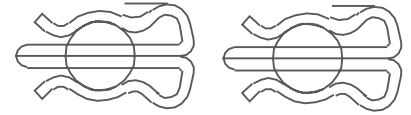
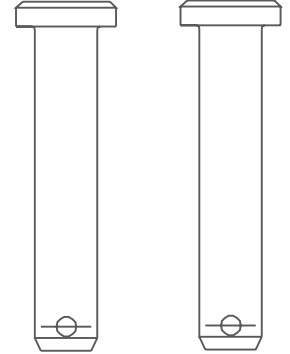
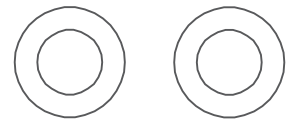
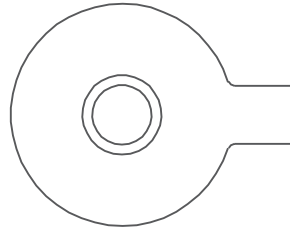
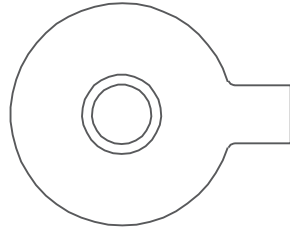
92.4mm

LENGTH

210.4mm

THICKNESS

29.7mm



ACCESSORY KIT

*NOT TO SCALE



WABCO PAN 22

HEAVY DUTY

TRP PAD NO.

1962432

WVA

29162

MATERIAL

TRP1210HD

CALIPER

WABCO PAN 22

HEIGHT

109.3mm

LENGTH

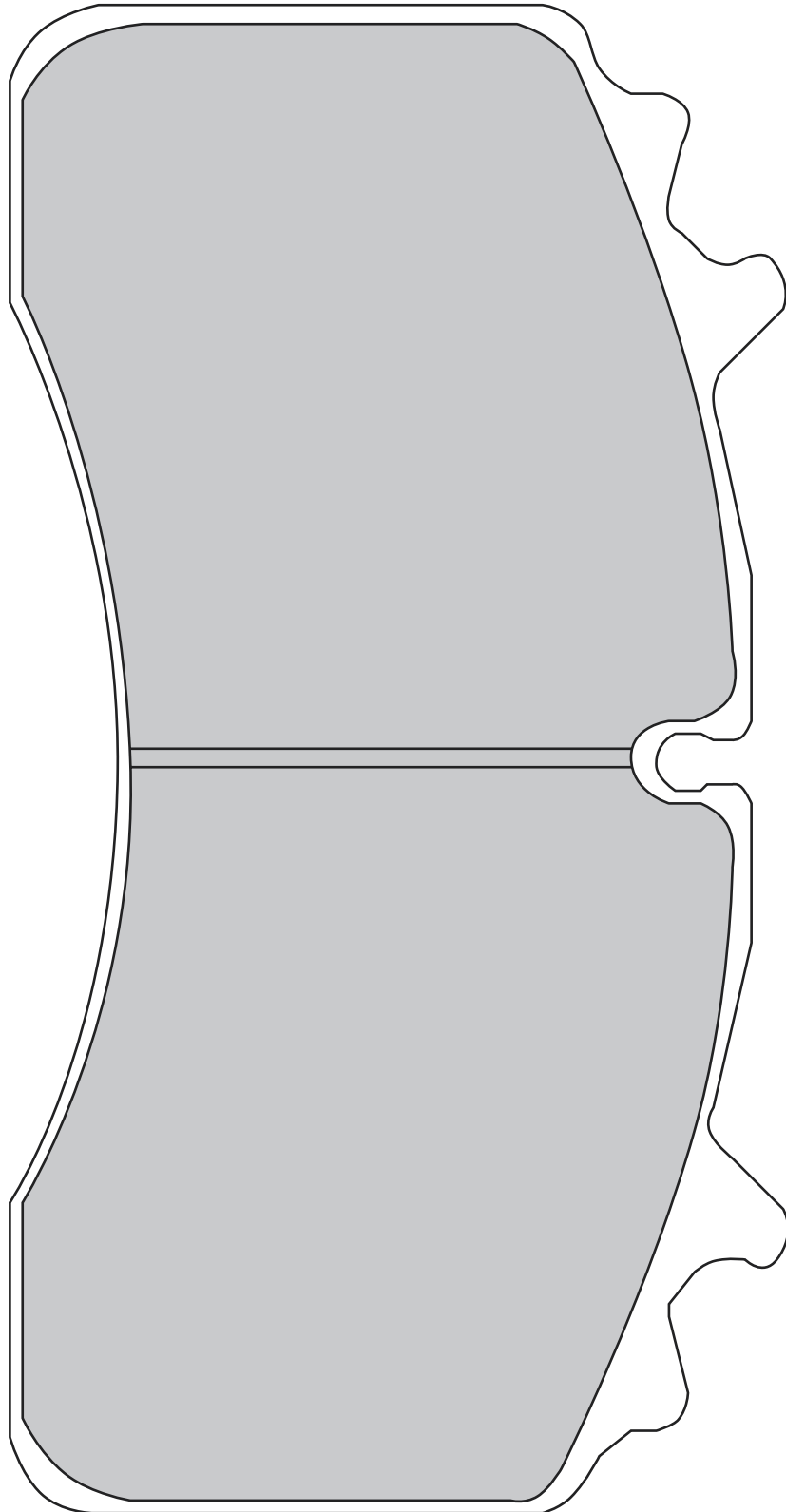
210.2mm

THICKNESS

31mm

PAD SHAPE

***NOT TO SCALE**





WABCO PAN 22

HEAVY DUTY

TRP PAD NO.

1962432

WVA

29162

MATERIAL

TRP1210HD

CALIPER

WABCO PAN 22

HEIGHT

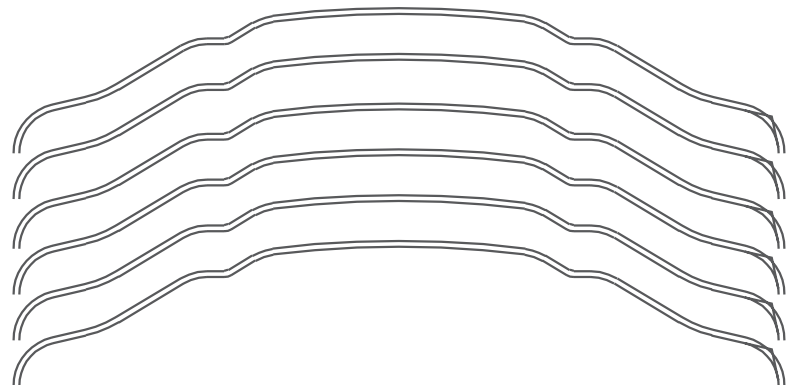
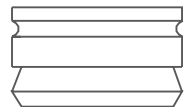
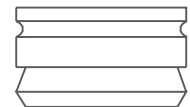
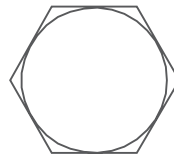
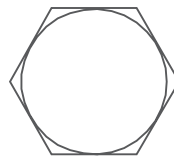
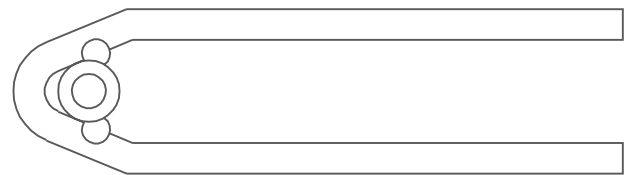
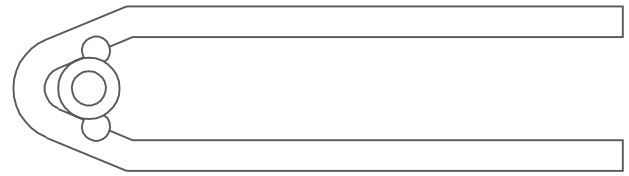
109.3mm

LENGTH

210.2mm

THICKNESS

31mm



ACCESSORY KIT

***NOT TO SCALE**

BRAKE SYSTEMS

DISC BRAKE ROTORS

The TRP® range of rotors have been matched to TRP® brake pads, offering you a one stop shop for your disc brakes.

The rotors have been independently tested to FMVSS 121, an industry recognised standard that allows us to benchmark the performance and heat dissipation of our rotors against standardised testing.



DISC BRAKE ROTORS

FEATURES & BENEFITS

- Tested to FMVSS 121 standards
- High temperature resistant
- 100% product traceability
- Designed and tested according to OE specifications to deliver the highest possible safety at every brake application

FMVSS 121 TESTING STANDARD TESTING PARAMETERS



WHAT IS FMVSS 121 STANDARD?

FMVSS 121 stands for Federal Motor Vehicle Safety Standard 121 and tests whether a given rotor has sufficient heat dissipation characteristics to pass the set test requirements.

WHY TEST TO FMVSS 121 STANDARD?

Testing TRP® rotors to the FMVSS 121 standard ensures that they're put through standardised testing. It verifies that the rotors can dissipate heat efficiently within a set criteria. Australian and New Zealand vehicle standards are for the fully dressed axle, so it is important that we use a recognised standard like FMVSS 121 to test the performance of the rotor.

TEST PARAMETERS

The test was performed by Link Manufacturing, an independent testing facility based in the US. The FMVSS 121 test was performed to Gross Axle Weight Rating (GAWR) 26,000 lb ensuring that the rotor was tested to the most extreme application possible.

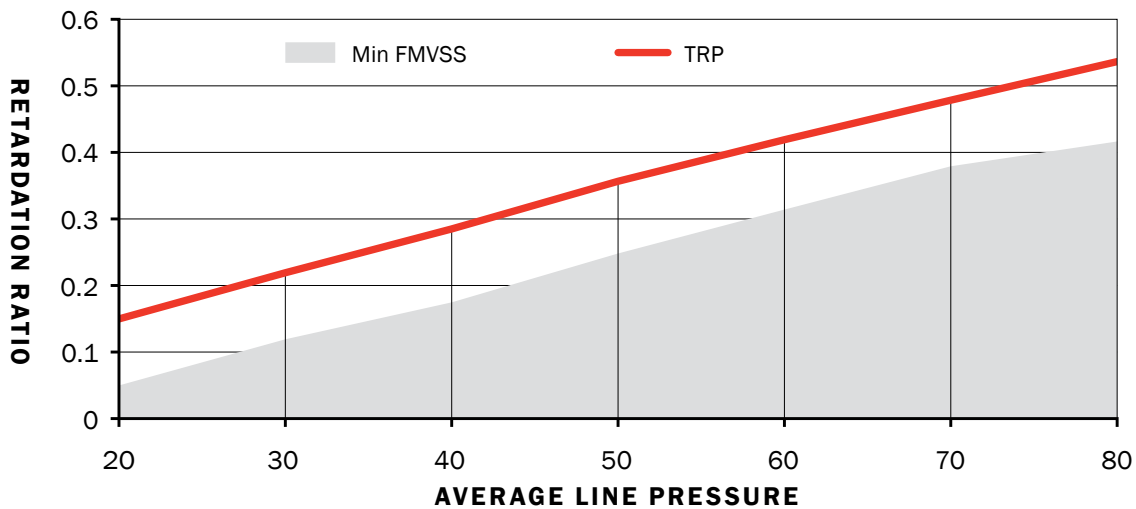
- TRP Rotor tested TRPDR006
 - Suits SAF Intradisc 377mm 10 Stud, 285 PCD
- Tested to 26,000 lb Gross Axle Weight (Heavy duty application)
- Disc Pad used was TRP Disc Pad 1536935 (HD Pad)
- Air Chamber – Type 24"



TRP DISC BRAKE ROTORS FMVSS 121 TEST

RETARDATION FORCE

More force is better: A greater force applies more friction in order to decelerate



TESTING PROCEDURE

- 7 stops made at 20, 30, 40, 50, 60, 70 and 80 PSI.
- Stops are made from 80 kph to 0 kph.
- Average torque is measured during each stop to calculate a retardation ratio which has to be above the legal limit at each pressure.

WHAT WE LEARN FROM THE TEST?

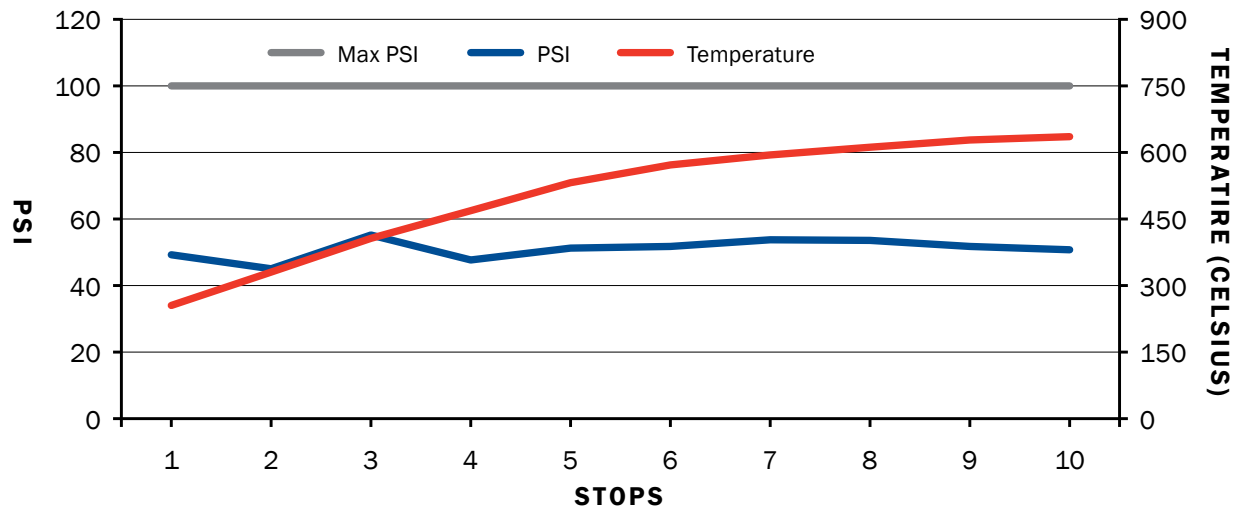
- The test confirms that TRP® Rotors are able to perform with the pads to create sufficient friction through all of the air chamber pressure ranges in the test parameters.



TRP DISC BRAKE ROTORS FMVSS 121 TEST

FADE PERFORMANCE

Less is best: Simulates 10 continuous, abrupt decelerations



TESTING PROCEDURE

- A series of 10 snubs are made from 80 kph to 25 kph.
- Air pressure and temperature are recorded during these stops.
- Air pressure may not exceed 100 PSI during fade.

WHAT WE LEARN FROM THE TEST?

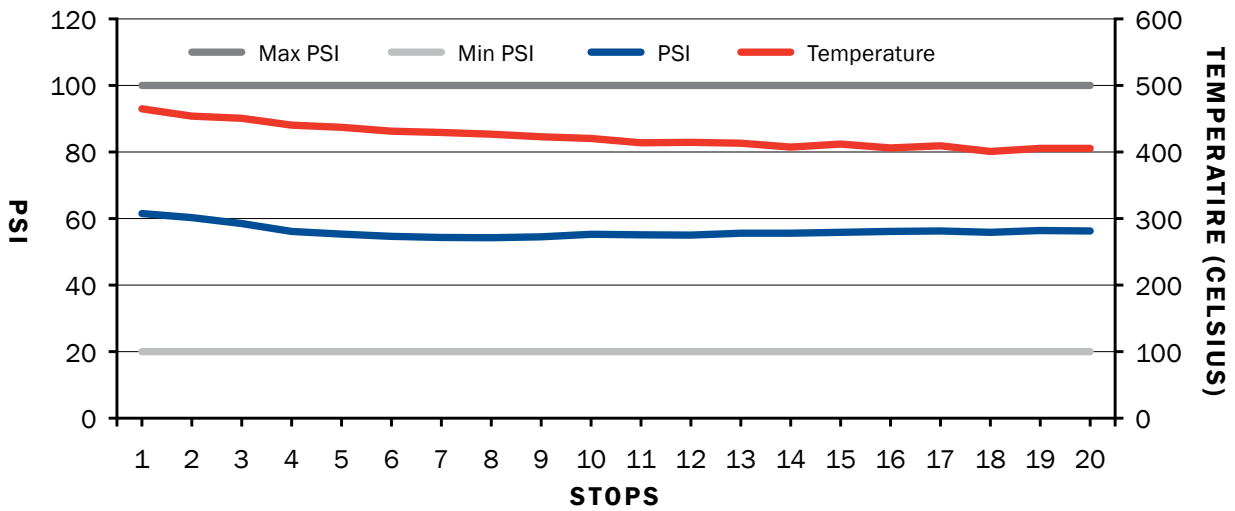
- As the disc pads gets hotter, more force (PSI) is needed to create enough friction in order to stop. This causes the rotors to be exposed to high temperatures and heat up under the force.
- The test results show TRP® rotors can sufficiently dissipate heat as the temperature of the lining increases whilst also maintaining a steady PSI.



TRP DISC BRAKE ROTORS FMVSS 121 TEST

RECOVERY PERFORMANCE

Less is best: Simulates how fast the lining material recovers and improves braking power in less severe conditions



TESTING PROCEDURE

- Test starts 2 minutes after fade testing. 20 braking stops are made 60 seconds apart, at an average deceleration rate of 3.6m/sec²
- Each of the stops are made from 48 kph to 0 kph
- Air pressure is recorded during these stops. Air pressure may not exceed 86 PSI or go lower than 20 PSI during recovery

WHAT WE LEARN FROM THE TEST?

- The ability of the rotor to steadily dissipate heat after they have been exposed to high temperatures in the Fade test.