



Rubek STRUCTURAL model automatic sliding door operator

Very Strong - Almost Silent – Extremely Dependable

“Built for the life of your building”

The Rubek Structural model ensures a low maintenance future and low costs as it is without doubt the strongest and most reliable automatic sliding door operator in Australia. Suitable for all applications but built specifically for large doorways carrying all door types.

Design

Designed and made in WA with Smart Electronics that set our safety levels above the current Building Code requirements and Australia Standards and guidelines.

Smart

Smart because we keep it simple. Any service personnel can look after your Rubek door operator keeping costs down because our clients are not tied to one service provider. Smart because all the parts are individually replaceable – which saves you money over other brands that replace modules.

Power

Back-up Uninterruptible Power Supply to ensure in excess of 2200 operations in the event of a mains power failure with options to expand

Value

No inbuilt obsolescence in any Rubek operator. We avoid expensive modular replacement systems and instead design so all individual parts can be replaced. In fact we can still service operators as far back as the original installations in 1994. In terms of quality and product longevity no other automatic door company comes close to Rubek.

Confidence

When you chose a Rubek product you have the confidence that your decision is based on 24 years of success for that same product. It's true that some other brands have been around longer but not one has a product set that dates back to 1994. Typically some other brands products are obsolete within 5 to 7 years.

Expandable

If you need added monitoring or control – no problem. Rubek designed operators are adaptable to your specific needs.

Communication

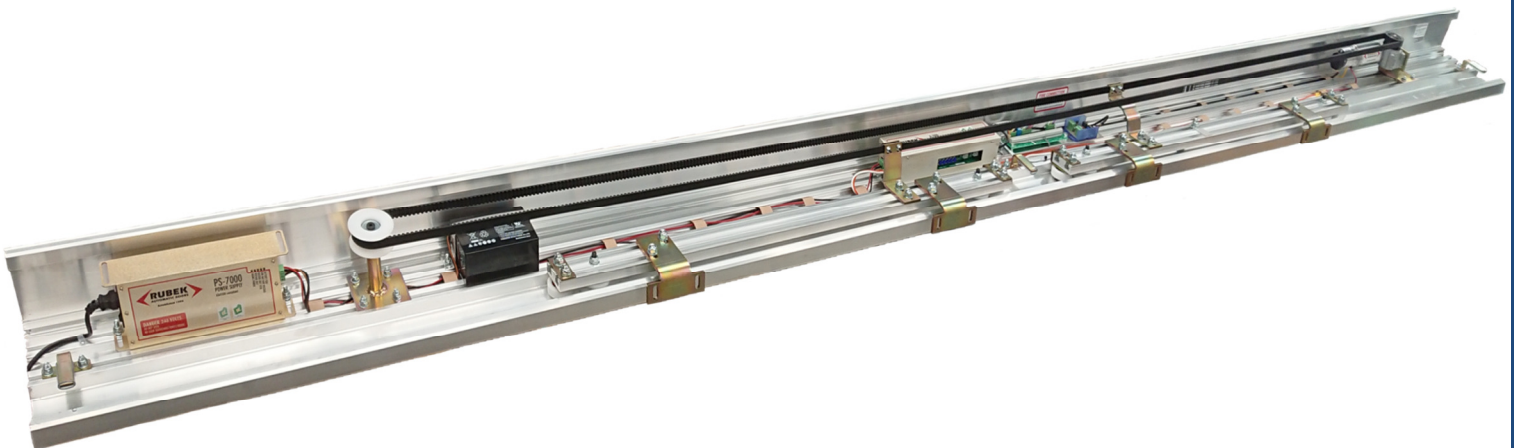
Provided with a main interface board allows easy interfacing to new or existing systems. Whether its Security, Fire, Building Management Systems or SCADA our operators can be connected.

Security

With Rubeks secure motor locking system you can be assured your property is safe when locked. And if an emergency should arise you are 100% guaranteed that our locks will not fail to release and will therefore always allow safe egress as required by the BCA.

Safety

Fully compliant to the BCA/NCC – the ONLY legal requirement for automatic doors. Meets or exceeds all aspects of safety from AS5007:2007 guidelines.



The Strongest Automatic Sliding Door Operator in Australia

- Rubek offers more to our clients than any other brand
- A LIFETIME warranty on any model Rubek automatic sliding door housing. And a standard 24 month parts 12 month labour warranty that we backup 24/7, 365 days per year with NO charging for warranty service calls after hours
- A 6mm extruded aluminium housing that can self-support without steel for many applications
- Over 2200 operations on one standard battery alone with options to expand
- Free consultation and training on any aspect of automatic door design, installation and maintenance

Product Longevity - No obsolescence

- Full support and maintenance for our first operators manufactured in 1994 to present
- All parts are always available for all models
- All operators can be upgraded with the latest electronic assemblies
- We simply don't believe in building in product obsolescence

Low Maintenance

- Proven to always save money
- Simple setup adjustments without the need for proprietary programmers which keeps service costs down because our clients are not locked in to any one service provider
- Call when needed or set up a scheduled maintenance agreement with our friendly service department
- Free consultation on any aspect of automatic door design and installation. Free training for clients to look after their door operators themselves if they so wish

Quality Design & Reliability

- Rubek make the strongest door operator housings in Australia by far
- Designed and built to last for the life of the buildings they occupy to save our clients from costly replacements
- Maximum door control and balance through multiple adjustments points
- Door hanger brackets fabricated from 6mm laser cut steel plate to eliminate bending
- Fully raced nylon anti-rise wheels provide maximum safety to stop door derailment
- Large nylon track wheels with quality bearings ensure long smooth running life
- Kevlar reinforced drive belt for quiet operation
- Replaceable hard anodised track for longevity
- Double bolted carriage rails to stop bracket failure
- Pelmet cover with safety hinge to remove the risk of falling

Compliance

- All models are fully Compliant to the ONLY legal requirement in Australia, the BCA/NCC
- Rubek door operators exceed relevant Australian Standards and Guidelines
- Electronics all designed in Australia specifically for Australian door and power conditions and regulatory requirements

Warranty Information

Parts	2 years
Labour	1 year
Operator housing	Lifetime (when installed as per drawings)

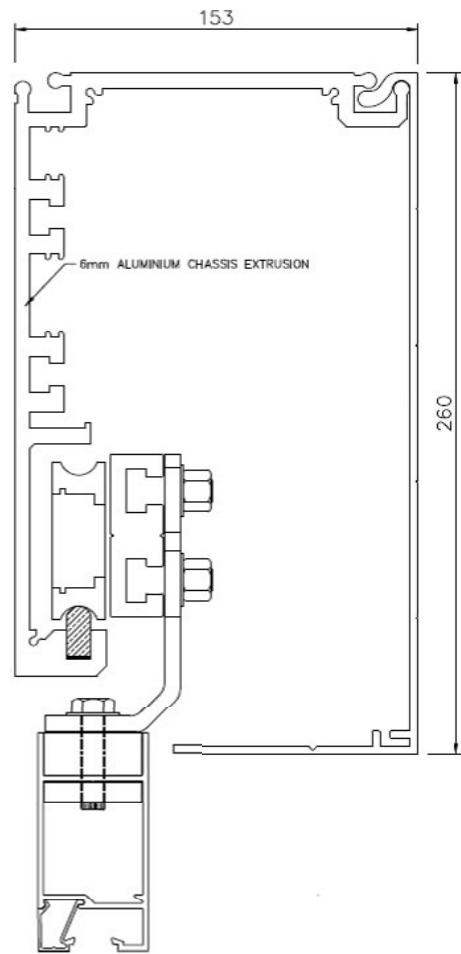
Maintenance

- Once per year is sufficient for most installations. Twice a year is recommended for very busy doorways.
- Rubek can offer factory maintenance programs to suit your needs if required, just call our service team on (08) 9302 3200 for free advice and assistance.

Australia's Strongest
Automatic Door Operators
that any service company can maintain

Features

- ✓ Heavy duty 6mm extrusion designed to last the life of the buildings they are installed in
- ✓ Double bolted carriage rails with deep extrusion so doors remain safe and can't drop
- ✓ Framed or frameless doors to 600kg as standard
- ✓ 6mm gusseted anti-rise bar that won't buckle so no door derailments and expensive housing replacements
- ✓ 6mm steel door hanger brackets which won't bend under load
- ✓ 5mm steel drive brackets which won't twist under load
- ✓ 60mm nylon polychloroprene wheels with sealed bearings for smooth quiet operation
- ✓ 15mm and 20mm Kevlar reinforced drive belt rated to 1250kg and 1500kg respectively
- ✓ Large 7Ah 12Vdc battery backup for continuous operation and security when the mains power is out. Additional batteries can be added
- ✓ Easy screwdriver adjustment of operating parameters
- ✓ Suitable for framed, frameless, or timber doors
- ✓ Accepts all control inputs with outputs that make it easy to monitor



Typical uses

External building doors
Internal heavy doors
Room partitions
Cool rooms
Car showrooms
Heavy traffic doors such as
airports, shopping centres,
office blocks, hospital, medical
centres, banks, service stations
and Government

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Perth Airport

Terminal 3

concourse

(5.5m long ~500kg)

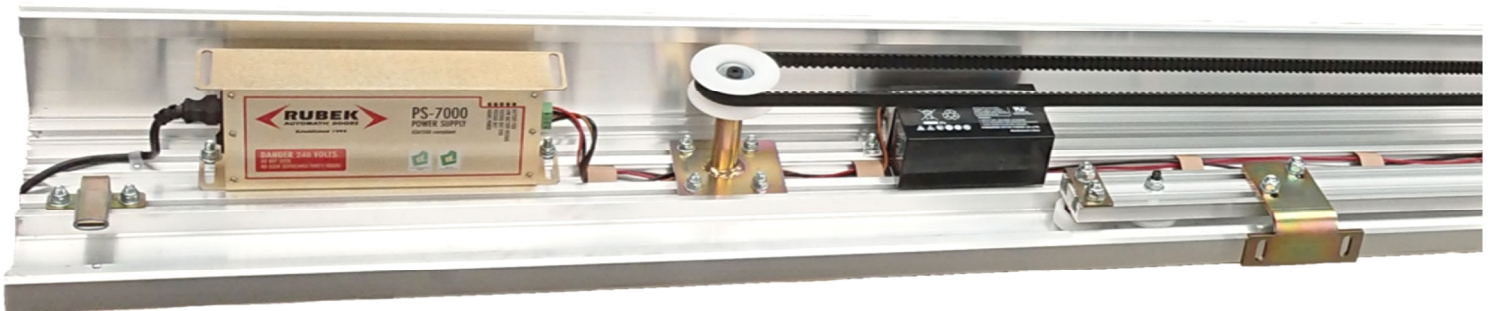


Engineering tailored to suit

Doors such as this require extra thought. That's where Rubek excels. We build in yet more strength to make sure heavy doors stand the test of time and keep maintenance costs to a minimum and are still safe. In the example above we used additional door hanger brackets with tie rods through the door to keep the door framing straight and supported from the effects of racking, extra running wheels to spread the load, and our powerful 450w motor. This operator will last as long as the terminal it's installed in with minimal maintenance and that's our aim with every installation.



Optional Heavy Duty 6mm Structural end plates for end to end mounting as shown opposite standard end plate in this sample. This is the only operator that can be just end mounted in Australia. Call us to see how we can help with your design

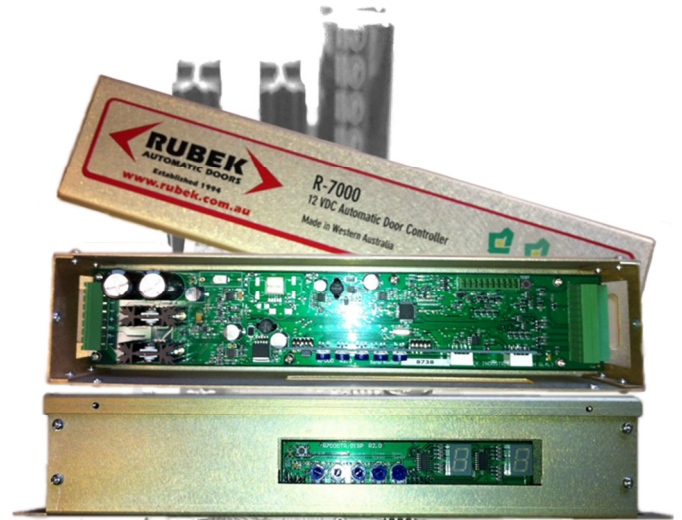


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Rubek R7000 Controller

Self-monitoring and optimised for safety
Easy adjustments – No programmers required allowing
all service personnel to make adjustments
LED displays for service and diagnostics
Fully RoHS compliant

Electronics can fail quickly in corrosive environments so
Rubek offers optional protection to maximise
component and circuit board life where all circuit
boards, connectors and cable ends are treated to seal
and keep corrosive elements out. Talk to us if you have a
harsh environment and you need a door operator to last.



Rubek PS-7000 Intelligent Power Supply

The PS7000 has a built in battery charger to keep
battery(s) in top condition
The front panel includes LED monitoring for 240Vac,
12Vdc and Battery
Automatically switches to battery power whenever
240Vac is off so that the current door operation mode is
not interrupted.



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Drive Systems and locking – Proven performers over the last 25 years



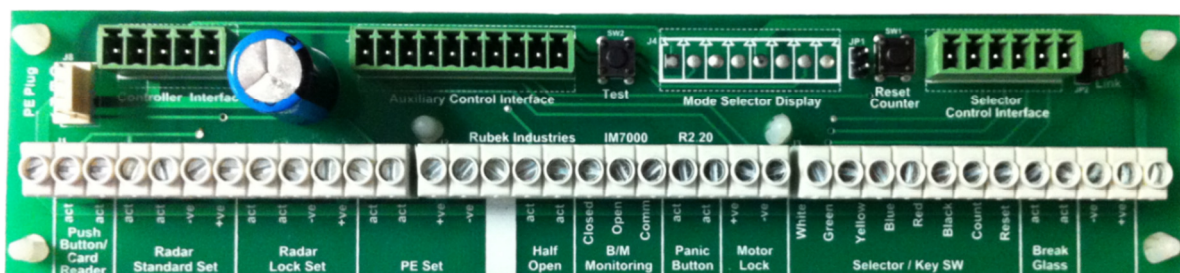
Standard 160W motor and gearbox.
Shown with motor lock, encoder and 6mm
steel mounting.



Optional Heavy Duty 450W
motor and gearbox. Shown
with motor lock, encoder and
6mm steel mounting

Rubek IM-7000 Interface Board

Rubek makes it easy for security, fire systems and building management systems be connected to our sliding door operators.



Fire system connections – To allow a fire signal to operate the door to an open (or closed) position

Security connection – For internal exit button and entry card reader etc.

Building Management System connections – Allows monitoring of door position status

Door Test button – to operate and cycle the door

Panic button connection – to close door at maximum speed in the event of an emergency

Half Open option – Operated by selector or key-switch to only open the door(s) to the halfway position on activation

Technical Specifications

Motor / gearbox	160W Brushed motor and matched 1:10 ratio gearbox – Dunkermotoren Germany
Lock	Fail safe electric motor lock complying to BCA/NCC (optional)
Height (overall)	260mm
Depth	153mm
Extrusion thickness	6mm. Fully gusseted for added strength
Opening and closing force maximum	130Nm
Opening speed adjustment	Variable from 50mm/s to 1000mm/s
Closing speed adjustment	Variable from 50mm/s to 1000mm/s
Hold open time	Variable from 1sec to 120sec
Maximum total door weight	500kg Single, 600kg Double
Mains supply voltage / frequency	240Vac +-10% @ 50Hz
Power consumption	126W
Fire connection	Yes
Security interface connection	Yes
DC output for external control	12Vdc
Digital read out	Yes – LED displays
Battery backup (expandable)	12Vdc 7Ah Lead acid battery
Mains fail operations	>=2200 operations & ~8 hours locking with single battery
Half open setting for doors	Yes
Panic	Yes
Low battery alarm	Yes
Power supply indicators	Yes – LED's
Self-monitoring controller	Yes
Drive	Kevlar reinforced 15mm toothed belt rated to 1250kg. 20mm 1500kg for door weight over 300kg
Steelwork	Laser cut 6mm door brackets and 5mm belt drive brackets
Sensors	BEA (Belgium designed)
Safety stop and reverse	Yes – 10 retries
Glass, timber, aluminium or steel doors	Yes
Single, bi-parting and telescopic options	Yes

Manufacturing Information

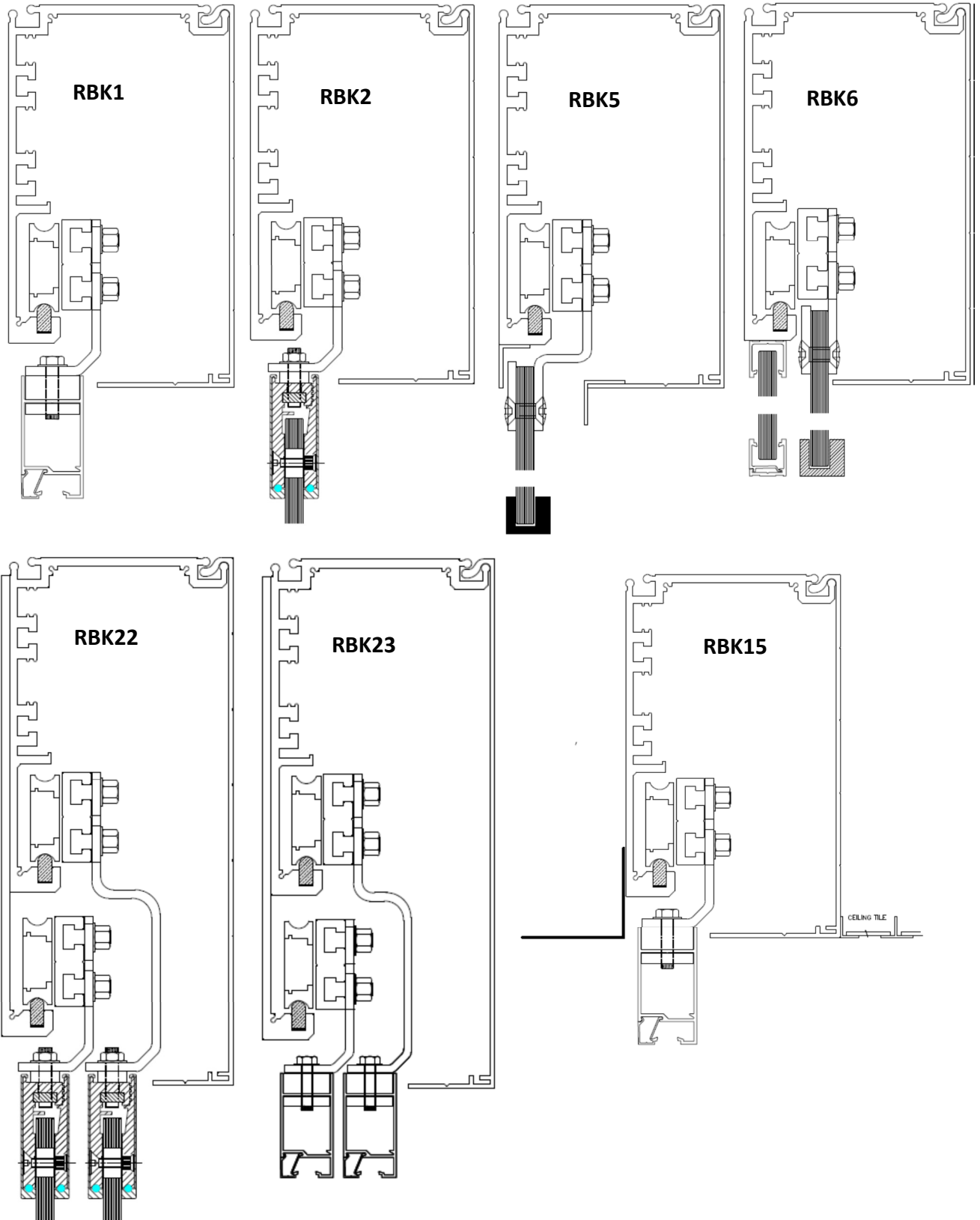
All models of Rubek automatic sliding door operators are manufactured in Western Australia

Component manufacturing location

Extruded 6060T5 aluminium track housing	Australian manufactured
Extruded 6060T5 aluminium pelmet cover	Australian manufactured
Extruded 6060T5 aluminium door carriage rails	Australian manufactured
Motor, gearbox and lock	German made and supplied
Controller	Western Australia designed and manufactured
Power supply	Western Australia designed and manufactured
Interface board	Western Australia designed and manufactured
Relay boards	Western Australia designed and manufactured
Steelwork	Western Australia designed and manufactured
Zinc plating	Western Australia
Anodizing	Western Australia
Powder coating	Western Australia
Fixings	Western Australia supplied
Wiring	Western Australia supplied
Reed switches	Western Australia supplied
Drive belt	German manufactured and Western Australia supplied
Sensors	BEA Belgium designed, BEA China manufacture and supplied

Drawings

All drawings are available from our website under the Downloads tab at www.rubek.com.au



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Australian Compliance

Rubek fully complies with all the legal requirements for automatic doors

Type	Rubek	Requirement
Building Code Australia (National Construction Code)	Compliant (Exceed requirements)	Mandatory compliance
Australian Standard AS1428	Compliant (Exceed requirements)	Mandatory compliance
Australian Standard AS NZS 61558	Compliant	Mandatory compliance
EMC N10882	Compliant	Mandatory compliance
Australian Standard AS5007:2007 (Guideline)	All Rubek products exceed all aspects of safety and endurance	Non-mandatory (Guideline only)

