

Winkhaus XR6 Cylinder Range

The High Security 1 star profile cylinder range
Designed, engineered and produced at Winkhaus, Munster



TS007-1
KM 531333



ANTI-BUMP
ANTI-PICK



ANTI-DRILL



RESISTS CORE
EXTRACTION



SBD
APPROVED



PAS:24
COMPLIANT

Centre of Excellence

Winkhaus Munster is a state of the art design and manufacturing facility dedicated to our mechanical and electronic access control solutions, where our team designs, develops and produces solutions that focus on quality, durability, ease of use and also offer the ability to tailor solutions to meet your requirements.

Winkhaus mechanical locking systems have a long tradition and have always stood for high levels of functional safety, user-friendly convenience and reliable protection. Our mechanical technologies can be used for a range of buildings from individual entrance or apartment doors to larger offices and buildings.



XR6 High Security Cylinder Range

Our XR6 cylinder range is a high security profile cylinder that holds the British Standard Kitemark as a 1 star solution and features anti-bump, anti-pick, anti-drill protection amongst its many features. The range of cylinder options includes double cylinder, thumb-turn cylinder, keyed alike double key, keyed alike thumb-turn and half cylinders.

Our cylinders are produced from premium materials with a brass body, a steel cam, hardened steel anti-drill pins and are supplied with nickel plated brass keys. Available in sizes between 66mm and 106mm overall cylinder lengths. Cylinders are supplied with three keys and M5 65mm fixing screw. The cylinder will operate even with a key left inserted on the inside.

This cylinder offers resistance to many types of attack. It is designed to be used in conjunction with 2 star security door hardware to ensure enhanced resistance to all commonly used attack methods. Therefore, this product **MUST** be used in conjunction with 2 star security door hardware meeting TS007-1 to ensure security.

Such hardware can be recognised by the 2 star marking which may either be visible from the outside on an installed handle or, failing this, will be visible once the outside handle has been removed. Security hardware can be of several types, including a handle with a reinforced backplate, an escutcheon or a device which is concealed behind the handle backplate. In all cases, the purpose is to protect your cylinder from force attack.



XR6 Features

The XR6 Cylinder Range is designed and engineered to work in perfect harmony with Winkhaus locking solutions. The collaborative design ensures that the XR6 operates in perfect synergy with Winkhaus locking mechanisms, creating a robust security solution.

Compliance

Conforms to TS001-1, BSEN1303:2005 and meets the PAS 24 requirements of Police Secured by Design

Anti-Bump / Anti-Pick

Special shaped Torpedo™ tumbler pins enhance resistance to bumping and picking

Resists core extraction

Hardened steel tumbler pin resists core extraction and improves drill resistance

Anti-Snap

When used in conjunction with a Winkhaus Armorshield™ and 2 star hardware.

Anti-Drill

Hardened steel rods in the cylinder body and core in conjunction with steel tumbler pins increase drill resistance

Recessed Key Guide

Designed for easy key insertion in poor light conditions or where dexterity is a problem

Support Channel

With conventional cylinders bending or breaking of keys can also be an issue over time. The XR6-51 cylinder has a raised core with an integrated channel to support the key shoulders which reduces the risk of breakage or key distortion

Designed to work

All our mechanical and electronic cylinders are designed to work in conjunction with our range of door locking solutions

Cylinder Options

Available as key-key, thumb-turn, half cylinder and keyed alike options

Twin Key Operation

Cylinder will operate with a key on the inside

BS EN 1303 Classification*



1 Category of use

Keys resists a torque of 2.5Nm

2 Durability

Tested to 100,000 cycles

3 Door mass

No requirement

4 Fire resistance

Suitable for fire/smoke resistant doors

5 Safety

No requirement

6 Corrosion and temperature resistance

BS EN 1670 Grade 3 to -20/+80°C

7 Key related security

100,000 differs, 6 pins, no coding on key

8 Attack resistance

Resists drill, chisel, twist and plug attack

*Read in conjunction with DHF Best practice guide



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Winkhaus XR6 Cylinder Range

XR6 1 star Cylinder Range: Unrivalled Security, Uncompromising Quality

The XR6 cylinder range is meticulously designed, engineered, and produced in our state-of-the-art Munster facility. Renowned as a centre of excellence for mechanical and electronic access control solutions, our XR6 cylinders are crafted with precision and commitment to unparalleled security standards. Holding the esteemed British Standard Kitemark with a 1-star rating, XR6 sets the benchmark for high-security profiles. The cylinders feature anti-bump, anti-pick, and anti-drill protection, ensuring an impenetrable defence against security threats.

Our commitment to excellence extends to the materials used in production. XR6 cylinders are crafted from premium materials, boasting a brass body, steel cam, and hardened steel anti-drill pins. Supplied with nickel-plated brass keys, our cylinders not only deliver robust security but also exhibit superior craftsmanship. Designed to seamlessly integrate with the complete range of Winkhaus locking solutions, XR6 offers a comprehensive security ecosystem.



TS007-1
KM 5.31333



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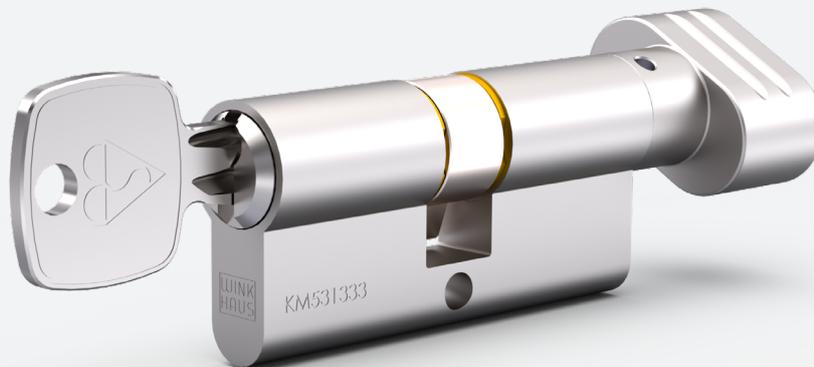
XR6-51 Key-key

Also available as Keyed Alike



XR6-04 Thumb-turn

Also available as Keyed Alike



XR6-02 Half Cylinder

Also available as Keyed Alike



*Keyed alike variants are available on request

Hints and Tips

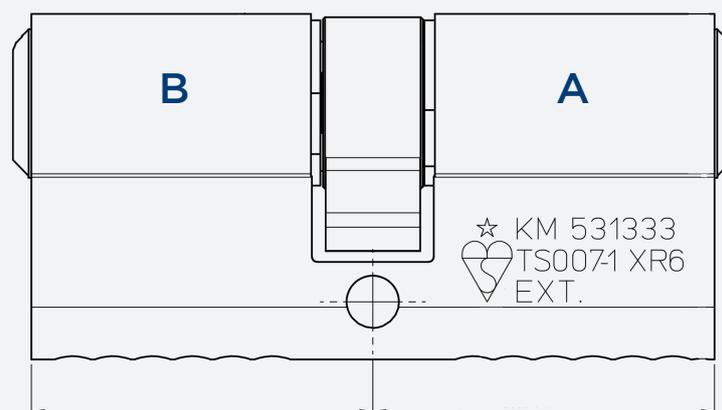
How to measure a cylinder

1. Measure from end of A to centre of screw hole e.g. 40mm
 2. Measure from end of B to centre of screw hole e.g. 33mm
- This will be a 40/33 cylinder

Note: It is important to quote the A (outside) size first. In order to ensure the minimum protrusion beyond the handle backplate and to increase attack resistance Winkhaus XR6-51 cylinders are sized differently.

Use the size guide below when ordering:

Size (mm)	Winkhaus XR6-51 (mm)
35	33
40	38
45	43
50	48
55	53



Important: A = Outside
Only the end of the cylinder with the Kitemark number is protected.



Ensure the side of the cylinder with the kitemark number is on the outside of the door.

Material

Brass body, Steel cam, Hardened Steel anti-drill pin, Nickel plated brass keys

Finish

Brass, Nickel plated

Sizes

Available from 66mm to 106mm overall length

Options

Thumb-turn option available

Features

6 Pins
Supplied with 3 keys
M5 x 65mm fixing screw included

Note: minimum internal length 33mm for thumb-turn
Available in pairs and keyed alike

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