

D016 P03 X-Lock BlueVolt Script Outline V2
2019-06-20

X-LOCK BLUEVOLT TRAINING
Course Duration: 10 Minutes

Welcome to X-Lock, the world's first quick-change angle grinder.

In this program, we will cover:

The Basics of Angle Grinders and Grinder Wheels
The Legacy of Bosch Tool-Accessory Interfaces
Pain Points with Standard Grinder Interface
The X-Lock Grinder Mount Solution

The Basics of Angle Grinders and Grinder Wheels

Angle Grinder 101

Grinder Size, Power and Torque

Higher RPM = Lower Torque

Lower RPM = Higher Torque

Slow RPM wheels should never be used on high RPM grinders
Matching wheel RMP optimizes wheel lifetime

4-1/2" – 7-10 Amps – High RPM – Paddle/Slide

Metal

Decorative wrought iron

Small structural steel

General contractor/maintenance/repair

Concrete

Concrete contractor

Decorative

Concrete maintenance/repair

4-1/2"/5" – 10-13 Amps – High RPM – Paddle

Metal

Equipment manufacturing

MRO/Factory maintenance

Shipyards

Structural Steel

Oil/Gas/Bridge/Iron

5" – 10-13 Amps – High RPM – Slide

Concrete

Concrete Cutting

Epoxy Flooring

Surface Prep
Masonry

5" – 10-13 Amps – High Torque – Slide

Concrete

Concrete Surfacing
Epoxy Flooring
Surface Prep
Masonry

6" – 13 Amps – Paddle

Metal

Mechanical contractor
Specialty
Some Structural Steel/Bridge/Iron

Grinder Wheel 101

Finishing of welding seams, splatter, corners

Grinding Disc (Type 27)
Flap Disc (Type 29)
Fiber Sanding Disc
Cup Brush/Wire Wheel

Deburring moulding, metal tubes, pipes, sheet metal

Grinding Disc (Type 27)
Flap Disc (Type 29)
Fiber Sanding Disc

Beveling, Preparing welding seams

Grinding Disc (Type 27)
Flap Disc (Type 29)

Cutting metal pipes, plates, steel beams

Cutting Discs (Type 1A; .040 thick)

Fiber and Flap Disc

Aluminum: General Purpose Fiber Discs – ferrous metals, stainless steel, and other hard-to-grind alloys

Zirconia Alumina: Heavy Duty – weld removal, grinding, blending, and polishing

Ceramic and Diamond: High Performance – Ceramic for grinding mild steel and carbon; Diamond for polishing surfaces such as marble and granite.

Coated Abrasive Flap Discs

Lightweight, easy to maneuver, and require less change over time

Lower vibration and noise levels

Cooler cutting with minimal scratching

Versatile: they can grind, blend and finish

Coated Abrasive Fiber Discs

Ideal for weld preparation or for blending and finishing applications
Cut rate is the primary concern
Ability to change discs readily
Overhead work where the weight of the grinder is important

Bonded Abrasive Wheels

Good for heavy jobs
More aggressive and remove material faster
Requires a skilled operator who knows how to prevent damage, gouging, and undercutting
Cutting action is aggressive, such as interior/exterior corner welds

The Legacy of Bosch Tool-Accessory Interfaces

Bosch has a long history of innovation in interfaces between power tools and accessory interfaces. The innovation provides three advancements:

- 1) A better fit between the tool and the blade or bit
- 2) An enhanced amount of power transfer from tool to the accessory
- 3) An easier accessory-change method

In 1975, Bosch invented the industry-leading SDS-plus® interface system for rotary hammers and concrete drilling bits. It allows quick tool-free insertion of the bit, with more power transferred to the bit. Bosch also developed the T-shank jig saw blade and a tool-free blade change system, which has become the industry standard. And recently, we have developed the Starlock interface for the oscillating multi-tool. This delivers greater fit, higher torque transfer and tool-free blade change. It delivers superior performance in cutting, grinding and other applications.

Pain Points with Standard Grinder Interface

The standard grinder blade change system involves a spanner wrench and flange nut.

There are three main pain points with the standard interface:

1. Complexity/number of steps
2. Need for spanner wrench/flange nut (either can be dropped/lost)
3. Speed of wheel change

The X-Lock Grinder Mount Solution

1. The X-Lock mount offer a wheel change that's up to five times faster than conventional interfaces.
2. The audible snap when mounting an X-Lock wheel on an X-Lock grinder indicates it's on tight and ready to use – without the need for a spanner wrench or flange nuts.
3. The wheel is released from the grinder with the pull of a lever.

Productivity

- Cuts downtime between wheel changes with zero losable parts
- Single-lever wheel ejection without the need of a spanner wrench
- Most Bosch X-Lock wheels are backward compatible with standard 7/8" mounts
- Robust design for metal and concrete work combined with Bosch-proven ergonomic design

- 5 Average Wheel Changes a Day

- 3 Minutes pre wheel change
- 7 Average Users Per Site

105 minutes downtime a day

240 WORKING DAYS
25,200 – 420 HOURS

Accessories

- GWX10 Series, GWX13 Series (Mitch)
- Accessories at Launch - Metal Focus, Concrete Supporting (Anastasia)
- User Demand and Market (Mitch)
- Opportunities on Wheel Size (Mitch)

Conclusion

X-Lock
CUT DOWNTIME WITH JUST ONE CLICK
World's first quick-change angle grinder

You've learned:

1. The Basics of Angle Grinders and Grinder Wheels
2. The Legacy of Bosch Tool-Accessory Interfaces
3. Pain Points with Standard Grinder Interface
4. The X-Lock Grinder Mount Solution