



Let's get started.

1 Identify your application.

The questions at the top of each page will help to guide you through selecting the right belt for your application.

Check the 3M™ Belt Availability Guides.

Once you've selected the right belt for your application, take a look at our belt availability guide in each section to confirm grade.

Confirm your stock number.

Finally, once you have determined which 3M product is right for you, turn to pages 8-10 to locate the configurable 3M stock number for your specific belt.

Are you grinding?

3M™ Coated Abrasive Belts

From robots to backstands to cylindrical grinders, 3M™ Cubitron™ cloth belts allow heat-sensitive metals to stay cool for less rework. Belt grinding and sanding equipment run efficiently for fewer changeovers, taking productivity to a whole new level. 3M™ Advanced series belts provide long-lasting performance at a value price.



For higher pressure, coarse grade grinding applications, a hard and serrated contact wheel will improve your cut speed and help your abrasive belt last longer.

| Use For | Substrates | 3M Product |
|--|--|--|
| Best bet/robotics/coarse grinding | All metals | 3M [™] Cubitron [™] 3 Cloth Belt 1184F |
| Best bet/robotics/grinding | All metals | 3M [™] Cubitron [™] 2 Cloth Belt 984F |
| Extreme pressure grinding | Stainless steel/ High nickel alloys | 3M [™] Cubitron [™] 2 Cloth Belt 997F |
| Extreme pressure grinding | Carbon steel/ Cast iron | 3M™ Cubitron™ 2 Cloth Belt 994F |
| Wet application for flat finishing and centerless grinding | Heat sensitive metals | 3M [™] Cubitron [™] 2 Cloth Belt 966F |
| General purpose/ wet or dry grinding | All metals | 3M [™] Cubitron [™] 2 Cloth Belt 967F |
| Medium to high pressure grinding | All metals | 3M™ Cloth Belt 767F |

Medium Pressure | Stock Removal and Blending

| Use For | Substrates | 3M Product |
|------------------------------------|----------------------------------|---------------------------------|
| Best bet | All metals | 3M™ Cubitron™ 2 Cloth Belt 784F |
| Reduced loading on soft substrates | Aluminum/brass/ bronze/copper | 3M™ Cubitron™ 2 Cloth Belt 981F |
| General purpose | All metals | 3M™ Cloth Belt 384F |

Low Pressure | Blending and Setting a Grain

For lower pressure or finishing applications, a smoother/softer contact wheel will allow for more conformability to your workpiece.

| Use For | Substrates | 3M Product |
|--------------------------|------------------------------|---------------------------------|
| Best bet | All metals | 3M™ Cubitron™ 2 Cloth Belt 947A |
| Best bet for flexibility | All metals | 3M™ Cubitron™ 2 Cloth Belt 726A |
| Flexibility | Aluminum/ stainless steel | 3M™ Cubitron™ 2 Cloth Belt 723D |





The precision-shaped grain found in 3M[™] Cubitron[™] cloth belts continuously fractures to form sharp points and edges.



Tech Tip

Product and Pressure

Matching the right product to your application's pressure is a key component of optimal abrasive performance. This can help ensure maximized cutting speed and product life.

Tech Tip

Signs of the Wrong Belt

When you apply too much pressure to an abrasive, you may notice "shelling." When you apply too little, it rubs the substrate rather than cutting it, resulting in "glazing" or "capping".

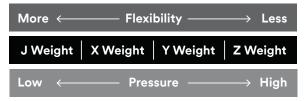


step

3M™ Coated Belt Availability Guide

| 3M ID | Mineral | Backing | Grinding Aid | Use Dry/Wet | 20 | 24 | 36 | 40 | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 320 | 400 | 600 |
|-------|-------------------------------|---------|-----------------|----------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1184F | | YF | Yes | Dry/Wet | | | + | | | | | | | | | | | | | |
| 984F | | YF | Yes | Dry/Wet | | | + | | + | + | + | | + | | | | | | | |
| 997F | | ZF | Yes | Dry/Wet | | | + | | | | | | | | | | | | | |
| 994F | 3M Precision- | ZF | No | Dry/Wet | | | + | | | | | | | | | | | | | |
| 966F | Shaped Grain | ZF/YF | No | Wet | + | + | + | + | + | + | + | | | | | | | | | |
| 967F | | ZF/YF | Yes | Dry/Wet | | + | + | | + | + | + | | | | | | | | | |
| 767F | | YF | Yes | Dry/Wet | | | + | | | + | + | | + | | | | | | | |
| 784F | | YF/XF | Yes | Dry/Wet | | | + | | + | + | + | | + | + | + | | | | | |
| 981F | | YF | No | Dry/Wet | | | + | + | | + | | | | | | | | | | |
| 384F | A/O Ceramic Blend | XF | No | Dry/Wet | | | + | | + | + | + | | + | + | + | + | + | Р | Р | |
| 947A | | х | Yes | Dry | | | | + | | + | + | | + | | | | | | | |
| 726A | 3M Precision- Shaped Grain | J | Yes | Dry | | | | | | | + | | + | + | + | + | + | + | + | |
| 723D | | J | No | Dry | | | | | | | | + | + | + | + | + | | | | |

Backing Types



Are you deburring and finishing?

Scotch-Brite[™] Abrasive Belts

Tackle your deburring, finishing, cleaning and surface prep with confidence using Scotch-Brite™ abrasive belts. Powered by 3M™ non-woven technology, Scotch-Brite™ belts deliver repeatable results you can count on for every job.



Scotch-Brite™
non-woven synthetic
fiber and abrasive
mineral forms a web
that is open, tough,
conformable and
long-lasting.

Surface Conditioning

| Use For | Substrates | 3M Product |
|----------------------|------------|---|
| Best bet/Flexibility | All Metals | Scotch-Brite™ Durable Flex Belt |
| General purpose | All Metals | Scotch-Brite™ Surface Conditioning Belt |
| Toughness | All Metals | Scotch-Brite™ SE Surface Conditioning Belt |





Scotch-Brite™ Belt Availability Guide

| ЗМ ID | Mineral | Backing | A CRS | A MED | A FIN | A VFN | S SFN |
|---|---------------------------|-------------------------------|-------|-------|-------|-------|-------|
| Scotch-Brite™ Durable Flex Belt | A/O | Low Stretch | • | • | • | | |
| Scotch-Brite™ Surface Conditioning Belt | A/O or Silicon Carbide | Scrim/Low Stretch/Film Backed | • | • | | • | • |
| Scotch-Brite™ SE Surface Conditioning Belt | A/O | Scrim/Low Stretch | • | • | • | | |

Backing Types

| Film | | Scrim | Low Stretch |
|------|-------------|----------|-------------|
| Low | | Pressure | |

Are you finishing and polishing?

3M™ Trizact™ Abrasive Belts

3M™ Trizact™ Abrasives are ideal for work where consistent, refined finishes are essential. Cool-running Trizact delivers refined performance even on hard metals such as carbon or stainless steel, and helps reduce warping and discoloration. And the mineral abrasive stays sharp as it wears.



Trizact grain featuring microreplicated three-dimensional abrasive structures for the finest finishes.

Consistent Finishes

| Use For | Substrates | 3M Product |
|------------------------------------|----------------------------------|-------------------------------|
| Plating/Buffing Prep | All Metals | 3M™ Trizact™ Cloth Belt 307EA |
| Reduced loading on soft substrates | Aluminum/Brass/ Bronze/Copper | 3M™ Trizact™ Cloth Belt 217EA |
| Polishing | All Metals | 3M™ Trizact™ Cloth Belt 237AA |

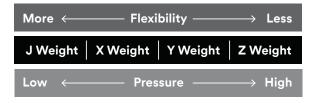




3M™ Trizact™ Belt Availability Guide

| | | | | Use | | | | | | | | A G | irade |) | | | | | | | |
|-------|-------------------|----------------|---------------------|-------------|-----|-----|-----|-----|----|----|----|-----|-------|----|----|----|----|----|---|---|---|
| 3M ID | Mineral | Backing | Description | Dry/ Wet | 300 | 160 | 110 | 100 | 90 | 80 | 65 | 60 | 45 | 35 | 30 | 20 | 16 | 10 | 6 | 5 | 3 |
| 307EA | | Flex J | Low-Med Pressure | Dry | | | | • | | • | • | | • | | • | | • | | • | | |
| 217EA | Aluminum Oxide | Flex J | Low Pressure | Dry | | | | • | | • | • | | • | | • | | • | | • | | |
| 237AA | | Semi Flex X | Low-Med Pressure | Dry | | • | | • | | • | • | | • | | • | | • | | • | | |

Backing Types





3M™ Belts - Configurable stock numbers

The last step in the belt selection process is selecting the stock number for your belt. When selecting the 3M stock number, use the configurable 3M stock number below to order the unique sized belt you need. Additional part numbers can be found on 3M.com.



| High Pressure Belts Heavy Stock Removal Belts | | | | | | |
|---|-----------|--|--|--|--|--|
| Configurable 3M Stock Numbers | Grade | | | | | |
| 3M™ Cubitron™ 3 Cloth B | elt 1184F | | | | | |
| 7100313150 | 36+ | | | | | |
| 3M™ Cubitron™ 2 Cloth | Belt 984F | | | | | |
| 7100007990 | 36+ | | | | | |
| 7100097257 | 50+ | | | | | |
| 7100007991 | 60+ | | | | | |
| 7100007992 | 80+ | | | | | |
| 7100082475 | 120+ | | | | | |
| 3M™ Cubitron™ 2 Cloth | Belt 997F | | | | | |
| 7100047372 | 36+ | | | | | |
| 3M™ Cubitron™ 2 Cloth | Belt 994F | | | | | |
| 7100047077 | 36+ | | | | | |
| 3M™ Cubitron™ 2 Cloth | Belt 966F | | | | | |
| 7100091845 | 20+ | | | | | |
| 7100091847 | 24+ | | | | | |
| 7100091849 | 36+ | | | | | |
| 7100183933 | 40+ | | | | | |
| 7100091851 | 50+ | | | | | |
| 7100091853 | 60+ | | | | | |
| 7100091855 | 80+ | | | | | |
| 3M™ Cubitron™ 2 Cloth l | Belt 967F | | | | | |
| 7100091857 | 24+ | | | | | |
| 7100091859 | 36+ | | | | | |
| 7100091861 | 50+ | | | | | |
| 7100091863 | 60+ | | | | | |
| 7100091865 | 80+ | | | | | |
| 3M™ Cloth Belt 76 | 7F | | | | | |
| 7100266289 | 36+ | | | | | |
| 7100266290 | 60+ | | | | | |
| 7100266291 | 80+ | | | | | |
| 7100266292 | 120+ | | | | | |

| Medium Pressure Belts Stock Remova | l and Blending | | | | | |
|--------------------------------------|----------------|--|--|--|--|--|
| Configurable 3M Stock Numbers | Grade | | | | | |
| 3M™ Cubitron™ 2 Cloth Belt 784F | | | | | | |
| 7100171629 | 36+ | | | | | |
| 7100091823 | 50+ | | | | | |
| 7100091825 | 60+ | | | | | |
| 7100091827 | 80+ | | | | | |
| 7100091829 | 120+ | | | | | |
| 7100091831 | 150+ | | | | | |
| 7100091833 | 180+ | | | | | |
| 3M™ Cubitron™ 2 Cloth Be | lt 981F | | | | | |
| 7100138642 | 36+ | | | | | |
| 7100138643 | 40+ | | | | | |
| 7100138645 | 60+ | | | | | |
| 3M™ Cloth Belt 384I | = | | | | | |
| 7100091777 | 36+ | | | | | |
| 7100091779 | 50+ | | | | | |
| 7100091799 | 60+ | | | | | |
| 7100091802 | 80+ | | | | | |
| 7100091804 | 120+ | | | | | |
| 7100091806 | 150+ | | | | | |
| 7100091808 | 180+ | | | | | |
| 7100091813 | 220+ | | | | | |
| 7100091815 | 240+ | | | | | |
| 7100091817 | P320 | | | | | |
| 7100091819 | P400 | | | | | |

| Low Pressure Belts Blending and Setting a Grain | | | | | | |
|---|----------|--|--|--|--|--|
| Configurable 3M Stock Numbers Grade | | | | | | |
| 3M™ Cubitron™ 2 Cloth Bo | elt 947A | | | | | |
| 7100171627 | 40+ | | | | | |
| 7100023234 | 60+ | | | | | |
| 7100023179 | 80+ | | | | | |
| 7100023178 | 120+ | | | | | |
| 3M™ Cubitron™ 2 Cloth Bo | elt 726A | | | | | |
| 7100289610 | 80+ | | | | | |
| 7100289609 | 120+ | | | | | |
| 7100289608 | 150+ | | | | | |
| 7100289607 | 180+ | | | | | |
| 7100289606 | 220+ | | | | | |
| 7100289605 | 240+ | | | | | |
| 7100289604 | 320+ | | | | | |
| 7100289603 | 400+ | | | | | |
| 3M™ Cubitron™ 2 Cloth Be | elt 723D | | | | | |
| 7100093046 | 100+ | | | | | |
| 7100091835 | 120+ | | | | | |
| 7100091837 | 150+ | | | | | |
| 7100091839 | 180+ | | | | | |
| 7100091841 | 220+ | | | | | |



3M[™] Belts – Configurable stock numbers (Continued)



| Surface Conditioning | | |
|--|-------|--------------|
| Configurable 3M Stock Numbers | Grade | Backing |
| Scotch-Brite™ DF Surface Conditioning Belt | | |
| 7100012444 | A FIN | Low Stretch |
| 7100013155 | A MED | Low Stretch |
| 7100013687 | A CRS | Low Stretch |
| Scotch-Brite™ SC Surface Conditioning Belt | | |
| 7100012618 | S SFN | Low Stretch |
| 7100012150 | SVFN | Low Stretch |
| 7100000134 | AVFN | Low Stretch |
| 7100051141 | S MED | Low Stretch |
| 7100171628 | A MED | Low Stretch |
| 7100013507 | A CRS | Low Stretch |
| 7100013611 | AVFN | Film Backed |
| 7100012858 | A MED | Film Backed |
| 7100012561 | A CRS | Film Backed |
| 7100012085 | S SFN | Scrim Backed |
| 7100012347 | AVFN | Scrim Backed |
| 7100012358 | A MED | Scrim Backed |
| 7100013534 | A CRS | Scrim Backed |
| Scotch-Brite™ SE Surface Conditioning Belt | | |
| 7100013404 | A FIN | Low Stretch |
| 7100013547 | A MED | Low Stretch |
| 7100051144 | A CRS | Low Stretch |
| 7100051147 | A FIN | Scrim Backed |
| 7100051143 | A MED | Scrim Backed |
| 7100013747 | A CRS | Scrim Backed |

3M | Trizact

| Consistent Finishes | | |
|-------------------------------|-------|--|
| Configurable 3M Stock Numbers | Grade | |
| 3M™ Trizact Cloth Belt 307EA | | |
| 7100052733 | A6 | |
| 7100052732 | A16 | |
| 7100052731 | A30 | |
| 7100052730 | A45 | |
| 7100052729 | A65 | |
| 7100052728 | A80 | |
| 7100112315 | A100 | |
| 3M™ Trizact™ Cloth Belt 217EA | | |
| 7100052788 | A6 | |
| 7100052787 | A16 | |
| 7100052786 | A30 | |
| 7100052768 | A45 | |
| 7100052769 | A65 | |
| 7100052770 | A80 | |
| 7100052771 | A100 | |
| 3M™ Trizact™ Cloth Belt 237AA | | |
| 7100007882 | A6 | |
| 7100007878 | A16 | |
| 7100007880 | A30 | |
| 7100007881 | A45 | |
| 7100007883 | A65 | |
| 7100007884 | A80 | |
| 7100007877 | A100 | |
| 7100007879 | A160 | |

Not finding what you're looking for?

These are some of our premium, most popular belts for the metalworking industry, and we have hundreds more to choose from to meet the exact specifications of your application. For additional belt sizes, contact your local rep for ordering information.

Visit 3M.com/AbrasiveBelts to learn more.

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