



# Industrial Product Solutions



## PRODUCTS ARE JUST THE BEGINNING

Today, as one of the world's leading fastener and full-line industrial product suppliers, Fastenal provides you with the products and services you need, in ways that allow you to reduce total costs, improve productivity and add real value to your businesses.

More than just a supplier to an end-user, we're an innovative, full-service partner that works closely with our customers to help you overcome challenges and achieve your business goals. We offer value-added services and competitive advantages that make Fastenal a trusted supplier for hundreds of thousands of our customers globally.

**[fastenal.com](http://fastenal.com)**

# **FAST 5000<sup>SM</sup>**

## The World's Fastest Growing Industrial Vending System

**Reduce Consumption, Inventory & Downtime  
with 24/7 access, usage tracking and local restocking**

Today, every business needs to find ways to control costs and streamline processes. Fastenal is here to help with our latest value-added offering: the **FAST 5000 point-of-use vending program**. It's like having your very own Fastenal branch within your facility 24/7 -- set up in strategic areas throughout your facility, serviced by Fastenal and stocked with the products you use most.

- **Reduce Product Consumption** – Set controls so that workers only have access to products (and amounts) needed for the job. Track usage by individual, as well as group, job, cost center – up to six levels of information you want to know.
- **Improve Productivity** – Product is always immediately available to the workers who need it.
- **Take Inventory Off Your Books** – Your local Fastenal branch manages the machine's inventory. Through our available consignment plan, you pay only for dispensed items.
- **Automate Ordering** – When stock runs low, your local Fastenal branch receives an automated replenishment alert, eliminating P.O.s, stock-outs and costly rush orders.

### ***THE FAST 5000 ADVANTAGES***



**Low Program Costs** – Your local Fastenal branch provides and manages the machine. Your only program cost is a low annual software hosting fee.

**A Turnkey Solution** – Fastenal handles everything from machine delivery and installation to product packaging and re-stocking, saving you time and money.

**Flexible Web Reporting** – Use our secure reporting website to manage your machine's settings and view real-time inventory and usage data.

**Easy Installation and Operation** – All you need to get up and running are a 220V outlet and an open Internet connection. Requires minimal effort from your IT personnel.

# THE MACHINE<sup>®</sup> BEHIND THE MACHINE



**FAST 5000<sup>™</sup>**



## Local Branches & Sales Force

With a worldwide network, we stock product locally and make sure your machine is always filled.



## Regional Build Centers

Providing local machine configuration, installation and repairs.



## Packaging

We package and test products to ensure trouble-free vending.



## Product Templates

Our industry templates makes it fast and easy to configure a machine that meets your product needs.



## Support & Training

We provide live and virtual training, along with 24/7 tech support. And because we're local, help is just around the corner – literally.



For more information visit [fastenal.com](http://fastenal.com).



# The Next Generation in Industrial Vending Technology

**FAST 5000<sup>SM</sup>**



Dimensions: 104.4cm W x 182.9cm H x 90.8cm D  
Weight: 284kg  
Max Capacity: 60 unique products

## OPTIONAL FAST AUTO LOCKERS

### Easy Access. Total Visibility.

1. Worker swipes ID badge/enters key code, makes product selection.
2. If the request is authorized, the product is dispensed and the transaction is tracked.
3. Go online to view real-time reporting and manage settings. Schedule automated reports and alerts.



12 DOOR  
LOCKER

3 DOOR  
LOCKER

- Vend larger items
- Check-in/check-out functions
- Secure Will Call delivery
- 12 door unit  
- 30"W X 72"H X 24"D  
- 350 lbs.
- 3 door unit  
- 30"W X 72"H X 24"D  
- 250 lbs.

# EQUIPMENT CONFIGURATIONS

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## Locker Illustrations



FAST 5000



12-Door Locker



3-Door Locker

## FAST 5000 + Up to 2 Locker Units

A



+



+



B



+



+



C



+



+



## PROFILE MANAGER

### Manage Users:

- Create, edit, activate and de-activate users – can be done one at a time or through bulk import/export
- Add and assign user groups (ex. departments, shifts, etc.)

### Manage Roles:

Access privileges can be given for certain functions on the software, including specific reports, maintaining employee lists, creating dispense rules.

### Set Rules:

Dispense Rules: Determines how an employee will interact with the machine. Different rules can be created for different types of employees.

Product SKU	Product Name	No Limit	Max Qty	Period	Cumulative
0800005	Lg std welding glove	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1000637	szbthflex glove	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1002946	29 db yellow ear plug	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1002971	Lg blk mechanic glove	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1003008	Squinchers Fast Pack Cherry Concentrate	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1010016	8210HL L/XL Lime H	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1014518	alcohol wipe	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1017248	corded foam earplugs	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1024806	Coated and Dipped Gloves medium	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1024807	Coated and Dipped Gloves Large	<input type="checkbox"/>		One Hour	<input type="checkbox"/>
1063247	11oz aerosol blaster pb	<input type="checkbox"/>		One Hour	<input type="checkbox"/>

## REPORT MANAGER

### On Demand and Automated

### Transaction Detail

This is the most popular report used by customers. It shows every vending transaction that occurs over a specific period of time.

Date	Time	User	Device	Product	Quantity	Price	Total Amount
2011-07-05	10:00:00	Shoping	11	F105	45	0.20	\$9.00
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40
2011-07-05	10:00:00	Shoping	11	F105	22	0.20	\$4.40

### Usage Summary

Shows product usage by company, site, device, and machine selection number.

**Key Features:** broad overview of usage, downloading to Excel for a specified date range, and automated reports of any level (company, site, machine, or device).

Date	Product Name	Quantity	Price	Total Amount
2011-07-05	szbthflex glove	45	0.20	\$9.00
2011-07-05	szbthflex glove	22	0.20	\$4.40
2011-07-05	szbthflex glove	22	0.20	\$4.40
2011-07-05	szbthflex glove	22	0.20	\$4.40
2011-07-05	szbthflex glove	22	0.20	\$4.40
2011-07-05	szbthflex glove	22	0.20	\$4.40
2011-07-05	szbthflex glove	22	0.20	\$4.40
2011-07-05	szbthflex glove	22	0.20	\$4.40
2011-07-05	szbthflex glove	22	0.20	\$4.40
2011-07-05	szbthflex glove	22	0.20	\$4.40

## AUTOMATING REPORTS

**Key Features:** reports show up in your email Inbox whenever you want, and reports can be automatically sent to any email address.

\*NOTE: reports can be automated more than once. For example, a weekly report can be automated twice, once on Monday and once on Thursday. The same applies for all frequencies.

Excel File Format, Delivery Method, and Email Address for Delivery

Excel

Send to email

Send to URL

XML is being added - great for integration

Frequency, Day to Run, and Start Time

Frequency

Day to Run

Start Time

Frequency Choose

Day to Run

Start Time

Schedule Report

Cancel

## RESTOCK HISTORY

Allows users to track which products are restocked back into the vending machine and when they are restocked.

Restock Date

Restock Quantity

Product Restocked

No.	Item	SKU Name	Start Date	End Date	Quantity	Restock Date	Restock Quantity	Restock Location	Restock Category
001	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
002	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
003	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
004	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
005	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
006	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
007	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
008	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
009	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
010	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
011	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
012	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
013	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
014	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
015	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
016	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
017	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
018	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
019	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
020	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
021	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
022	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
023	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
024	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
025	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
026	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
027	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
028	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
029	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
030	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
031	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
032	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
033	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
034	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
035	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
036	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
037	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
038	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
039	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
040	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
041	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
042	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
043	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
044	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
045	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
046	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
047	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
048	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
049	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
050	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
051	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
052	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
053	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
054	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
055	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
056	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
057	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
058	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
059	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
060	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
061	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
062	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
063	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
064	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
065	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
066	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
067	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
068	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
069	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
070	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
071	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
072	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
073	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
074	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
075	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
076	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
077	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
078	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
079	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
080	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
081	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
082	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
083	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
084	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
085	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
086	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
087	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
088	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
089	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
090	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
091	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
092	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
093	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
094	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
095	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
096	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
097	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
098	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
099	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting
100	SLURPEE	SLURPEE	11/07/2011	11/07/2011	1	11/07/2011	1	Starting	Starting

## COMPARATIVE USAGE BY TIME

**Key Features:** Very broad overview of usage by year, quarter, month, week and day.

Breakdown of time for overview of monetary value of items vended

Move back and forward in time

Week 45	Week 46	Week 47	Week 48	Week 49
11/06/2011 - 11/12/2011	11/13/2011 - 11/19/2011	11/20/2011 - 11/26/2011	11/27/2011 - 12/03/2011	12/04/2011 - 12/10/2011
JC Packaging Clayton NC	\$142.79	\$0	\$0	\$0

## SCHEDULED REPORTS



## FREQUENTLY ASKED QUESTIONS

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### What is the best way to identify which parts to put into a FAST machine?

The short answer is: any items you want control over, including mission-critical, high-dollar, and high usage consumables.

### Will products have trouble vending properly?

Fastenal tests and certifies each product for vending to ensure reliability. The FAST 5000 incorporates patented Verified Vend™ technology, which checks and verifies the accuracy of each vend. If the machine is loaded correctly, you will enjoy 99.99% trouble-free vending.

### Why will certain items not dispense from the FAST 5000 machines?

Due to size, shape, packaging, or other concerns, certain items will not dispense reliably from the FAST 5000. These items are well suited for our locker systems.

### What are the functions of the FAST Auto Locker units?

The FAST Auto Locker units are designed to provide controlled access to larger products and/or items that need to be checked in and out.

### Can a FAST machine limit the number of items an employee can dispense in a given time period?

Yes, the machines can restrict the number of certain items an employee can access within specified time periods - e.g., per hour, per shift, per day, per year, etc.

### Can I control which items my employees have access to with a FAST machine?

Yes, "allocation codes" can be used to control access. For example, you can apply a rule so that everyone who is a member of the production department can get one pair of gloves per day. Allocation codes can also be used to track cost by department, work orders, job numbers and other process variables.

### How many codes can be entered at the time of dispense?

The FAST 5000 has the ability to accept the following information:

1. Employee ID (or employee code) and PIN number. The display on the machine is limited to 64 digits.
2. Up to six allocation codes - for example, department, job number, or location. Each code can be up to 20 digits long.

### How many items can an employee vend at once?

You can specify how many products an employee can vend following each "swipe," with a limit of 10 vends per swipe.

### How does the vending machine replenishment work?

The system uses "min," "max" and "critical" inventory levels to notify the local Fastenal branch when items need to be replenished. When an item falls below the min level, the Fastenal branch receives an email and/or text notification. The Fastenal representative then logs into the software and runs a replenishment report to view any "below min" inventory required to bring the machine back to a full state.

### Can the machine be put in dusty environments?

FAST machines come equipped with an industrial-grade seal around the door designed to keep out small particles. Site personnel should clean the glass and wipe the key pad and trays every few weeks. Some types of readers do not operate well in extremely dusty environments. In these situations, it is recommended that the machine be set up for keypad (rather than ID card scan) operation.

### What is the carbon footprint of each machine?

The annual carbon footprint is approximately 520 lbs. of CO<sub>2</sub> and 0.09 tons of coal (assuming the power comes from a coal-fired power plant, as opposed to a wind turbine or nuclear plant).

### What kinds of power/connections are required for the machines?

Each machine requires a 220v electrical outlet and an open Internet connection.

### What operating system do FAST machines run?

FAST machines use an embedded processor with an industrial kernel and do not require a separate operating system.

### Who installs the machine(s)?

The machines are installed and maintained by trained local Fastenal employees.

### What happens if the power goes out, or the Internet connection is lost?

Transactions are stored in non-volatile memory. If the power or Internet connection is interrupted, recent transactions would remain in memory until both the power and the Internet connection are restored, at which time they would be uploaded to our reporting website.



# Cost Savings Every Step of the Way

*Every product we carry, every service we offer has been developed to meet a customer need or solve a customer problem. Over the course of 40+ years, this evolution has made us into a full-service partner that can provide savings and solutions during every step of the supply process.*

*We invite you to browse the next few pages of this catalog as a preview to some of our exclusive products developed for your businesses.*



## LOCAL, PERSONAL SERVICE

What does that mean for you? It means that product can be stocked nearby to anticipate your needs. It also means that you'll receive personal, on-site service from a Fastenal representative who knows you by name, understands your business, and can take a flexible approach to help you solve problems and succeed. The result is a level of effort, accountability and collaboration that pays off in countless ways -- *every day, and when you need it most.*

## Eye & Face Protection

### **FASTENAL** H-5 Series Safety Glasses

- Lens absorbs 99.9% harmful UV light and resists high impact
- Meets ANSI Z87.1 and CE/EN 166 approval
- Designed for Asian contour
- 9-base wrap-around lens provide perfect peripheral vision and protection
- 100% made of durable Polycarbonate
- Very lightweight



Part No.	Frame Color	Lens Color	Coating
8900003	Clear	Clear	Hard Coat
8900004	Clear	Clear	Anti-Fog
8900005	Smoke	Smoke	Hard Coat
8900006	Smoke	Smoke	Anti-Fog

### **FASTENAL** H-2 Series Safety Glasses

- Lens absorbs 99.9% harmful UV light and resists high impact
- Meets ANSI Z87.1 and CE/EN 166 approval
- Universal fit nose bridge
- Fits over most prescription eyewear
- Flat templates with lightweight to be free from pressure



Part No.	Frame Color	Lens Color	Coating
8900008	Clear	Clear	Hard Coat

### **FASTENAL** G-6 Series OTG Safety Goggles

- The 100% polycarbonate piece of eyewear fits over prescription frames while providing full front, side, and brow protection
- Anti-static coating



Part No.	Lens	Frame	Coat
8900002	Clear	Clear	Uncoated

### **FASTENAL** G-6 Series Safety Goggles with Indirect Vent

Features wide angle browguard protection and length adjustable temples to provide full side and brow protection

- Filters out 99% of harmful UV light
- Meets ANSI Z87.1+2003 standards



Part No.	Lens	Frame	Coat
8900001	Clear	Clear	Uncoated

### **FASTENAL** G-6 Series Safety Goggles with Browguard

- The 2.2mm polycarbonate class 1 lens boasts contemporary styling.
- Features wide angle browguard protection and length adjustable temples to provide full side and brow protection.
- Filters out 99% of harmful UV light.
- Meets ANSI Z87.1+2010 and CE EN166-2001 standards



Part No.	Lens	Frame	Coat
8900000	Clear	Clear	Uncoated

## Lens Cleaning Products

### **FASTENAL**

#### Lens Cleaning Wipes

5" x 8" (13cm x 20cm) Individually wrapped anti-fog, anti static pre-moistened silicone-free wipes are perfect for cleaning eyewear

- For use on glass, plastic or polycarbonate safety goggles, shields, glasses, and computer screens
- Excellent cleaning with no streaking
- Contains no silicone



Part No.	Number of Pieces
8900974	100

### **FASTENAL**

#### Lens Cleaning Station

Small, disposable cleaning station contains 600 3" x 8" (8cm x 20cm) non-abrasive, low-tint wipes and an 8 oz. anti-static, anti-fog, non-silicone lens cleaner in a recyclable cardboard dispenser



Part No.	Contents	Number of Pieces
8900975	Lens Tissues, 8 oz Cleaner	100

## Hand Protection - Dipped Gloves

### **FASTENAL** Foam Lite

13 gauge Gray Nylon Shell Black Foam Nitrile Dipped  
CE Score 3221

Features:

- Good abrasion resistance
- Excellent tactile sensitivity

Industry Applications:

- Maintenance, material handling, assembly, parts handling



Part No.	Size
8900177	X-Small
8900178	Small
8900179	Medium
8900180	Large
8900181	X-Large
8900182	2X-Large

### **FASTENAL** Nitrile Guard

13 gauge Gray Nylon Shell Gray Nitrile Dipped  
CE Score 4122

Features:

- Excellent abrasion resistance
- Excellent dexterity and gripping power

Industry Applications:

- Material handling, assembly, parts handling, construction



Part No.	Size
8900183	X-Small
8900184	Small
8900185	Medium
8900186	Large
8900187	X-Large
8900188	2X-Large

## Hand Protection - Dipped Gloves Cont.

### **FASTENAL** PU Touch

13 gauge Nylon Shell Polyurethane (PU) Dipped  
CE Score 4121

**Features:**

- Excellent abrasion resistance
- Excellent dexterity and sense of touch

**Industry Applications:**

- Inspection, electronic, small parts assembly, manufacturing



Part No.	Size
8900189	X-Small
8900190	Small
8900191	Medium
8900192	Large
8900193	X-Large
8900194	2X-Large

### **FASTENAL** Flex Guard

10 gauge Gray Cotton-Polyester Shell Blue Latex Palm  
Dipped CE Score 3141

**Features:**

- Excellent abrasion and tear resistance
- Excellent dry grip

**Industry Applications:**

- Assembly, concrete-brick, construction, material handling, shipping-receiving



Part No.	Size
8900195	X-Small
8900196	Small
8900197	Medium
8900198	Large
8900199	X-Large
8900200	2X-Large

### **FASTENAL** Cut Guard

13 gauge Stretch Kevlar Shell Black Nitrile Palm Dipped  
CE Score 4342

**Features:**

- Excellent abrasion, cut, and tear resistance
- High dexterity and sense of touch

**Industry Applications:**

- Automotive, recycling, glass/metal handling, aerospace



Part No.	Size
8900201	X-Small
8900202	Small
8900203	Medium
8900204	Large
8900205	X-Large
8900206	2X-Large

### **FASTENAL** Cut Pro

13 gauge High Density Polyethylene (HDPE) Shell Gray  
Polyurethane Palm Dipped CE Score 4343

**Features:**

- Excellent abrasion and cut resistance
- High dexterity and sense of touch

**Industry Applications:**

- Automotive, metal fabrication, aerospace, paper and pulp, ceramics, lathe operations



Part No.	Size
8900207	X-Small
8900208	Small
8900209	Medium
8900210	Large
8900211	X-Large
8900212	2X-Large

## Hand Protection - Chemical Gloves

### **FASTENAL** Unsupported Nitrile Gloves

Ideal for: abrasions, puncture cuts & snags, animal fats, solvents, and other hazardous materials

- Case hardened finish
- Non-slip gripping surface makes wet work more manageable and safer
- Ergonomic design minimizes hand fatigue
- Conforms to CE EN388 and EN374



#### Flock-Lined Gloves

Part No.	Size	Length	Thickness
8900173	Medium	13" (33cm)	15 mil.
8900174	Large	13" (33cm)	15 mil.
8900175	X-Large	13" (33cm)	15 mil.

## Hand Protection - Disposable Gloves

### **FASTENAL** Disposable Gloves

**Latex:**

- 4.5 mil thick
- Powder-free
- Natural color
- Ambidextrous
- CE marked and conforms to EN420 / EN374

**Nitrile:**

- 4 mil thick
- Powder-free
- Blue color
- Ambidextrous
- CE marked and conforms to EN420 / EN374



Part No.	Material	Size
8900224	Latex	Small
8900225	Latex	Medium
8900226	Latex	Large
8900227	Latex	X-Large
8900220	Nitrile	Small
8900221	Nitrile	Medium
8900222	Nitrile	Large
8900223	Nitrile	X-Large

## Hand Protection - General Industrial Gloves

### **FASTENAL** Cotton String Knit Gloves

- Seamless cotton/polyester string knit glove
- 7 gauge
- Knit wrist
- Recommended uses include: Manufacturing, general labor, material handling, shipping/receiving, agriculture, cleaning, landscaping



Part No.	Size	Weight	Coating
8900216	L	600g	No
8900219	L	600g	Dotted



## Hand Protection - General Industrial Gloves Cont.



### 8 oz. Cotton Canvas Knit Wrist Work Glove

- Comfortable work gloves for protection against light-duty applications
- Clute cut design for a roomy fit
- Knit wrist
- Recommended uses include: Manufacturing, general labor, material handling, shipping/receiving, agriculture, cleaning, landscaping



Part No.	Size	Coating
8900213	L	No
8900214	L	Dotted



### Leather Palm 2-1/2" (6.35cm) Safety Cuff Work Glove

- Leather fingertips and knuckle strap
- Pull tab for easy on and off
- Elastic wrist for easy fit
- Wing thumb for open-handed work



Part No.	Size
8900215	L

## Hearing Protection



### Disposable Ear Plugs

- Soft roll-down foam
- Cone-shaped for easy insertion
- Ear plug with an NRR of 32 and SNR of 37 when used as directed
- Orange color provides for easy compliance check
- Meets ANSI S3.19-1974 and CE EN352-2:2002 approval

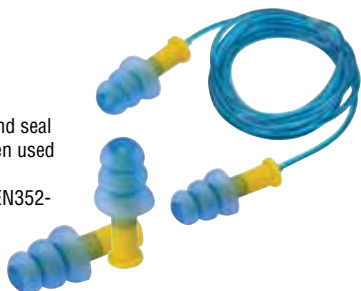


Part No.	Type	Corded	Pkg. Qty.
8900015	Disposable	No	200 pairs
8900016	Disposable	Yes	100 pairs



### Reusable Ear Plugs

- Reusable and washable
- Soft TPE flanges for comfort fit and seal
- An NRR of 25 and SNR of 28 when used as directed
- Meets ANSI S3.19-1974 and CE EN352-2:2002 approval



Part No.	Type	Corded	Pkg. Qty.
8900017	Reusable	No	100 pairs
8900018	Reusable	Yes	100 pairs

## Hard Hats

### Grooved Dome Ratchet Hard Hat

- Meets ANSI Z89.1 and CE/EN 397 approval
- Lightweight, tough, durable
- 4-point nylon ratchet suspension for easy adjusting
- Rain trough prevents water from dripping down neck
- Slotted sides to accommodate such accessories as faceshields



Part No.		Style
8900167	White	Ratchet
8900168	Blue	Ratchet
8900169	Yellow	Ratchet

## Respiratory Protection



### FFP2 Respirators

- Conforms to CE EN149:2001 FFP2 standards
- Low breathing resistance for increased wearer comfort. Fringe seal avoids open layer around the edges
- With collapse resistant double shell construction made to withstand hot and humid conditions
- Latex-free synthetic rubber head straps, adjustable nose clip and soft foam nosepiece for comfortable custom fit

### Carbon FFP2

- Exhalation valve reduces hot air buildup and eases breathing in hot/humid environments
- Covered with active carbon (OV) pre-filter against nuisance organic vapors below OEL



Part No.	Description	Type	Valve
8900012	FFP2 Respirator	Disposable	No
8900013	FFP2 Valved Respirator	Disposable	Yes
8900014	Carbon FFP2 Valved Respirator	Disposable	Yes

## Tapes



### Utility Grade Masking Tape

Ideal for: Interior paint masking, light duty bundling, packing, splicing, tabbing



Part No.	Width	Length
8901399	12mm (1/2")	23m (25 yards)
8901400	18mm (3/4")	23m (25 yards)
8901401	24mm (1")	23m (25 yards)
8901402	36mm (1-1/2")	23m (25 yards)
8901403	48mm (2")	23m (25 yards)
8901404	72mm (2-3/4")	23m (25 yards)
8901405	96mm (3-3/4")	23m (25 yards)

## Tapes Cont.

### **FASTENAL** Clear Packing Tape

General Purpose Box Sealing Tape



Part No.	Width	Length
8901406	48mm (2")	50m (55 yards)

## Tape Measures

### **FASTENAL** Tape Measures

High Quality tape measures that feature high precision and even return speeds



8900994



8900995

Part No.	Blade Length	Blade Width	Measurement System
8900994	9m (30')	25mm (1")	Metric/Imperial Combo
8900995	5m (16')	19mm (3/4")	Metric
8900996	7.6m (25')	25mm (1")	Metric

## Utility Knives

### **FASTENAL** Retractable Utility Knives



Part No.	Blade Style	Length	Handle Material
8900990	Retractable	150mm (6")	Metal

### **FASTENAL** Snap Knives



Part No.	Blade Style	Length
8900988	Retractable	165mm (6.5")
8900989	Retractable	140mm (5.5")

### **FASTENAL** Replacement Blades

- 8900993 replacement blade for 8900990
- 8900991 replacement blade for 8900988
- 8900992 replacement blade for 8900989



Part No.	Blade Length	Number of Blades	Type
8900993	60mm (2-13/32")	10	Utility Blade
8900991	100mm (3-15/16")	10	Snap Blade
8900992	80mm (3-5/32")	10	Snap Blade

## Hand Protection - Chemical Gloves

### **FASTENAL** Brass Stiff Putty Knives

Non-Sparking & non-magnetic blade, made of solid brass w/ fully hardened & mirror polish. Chisel edged blade is softer than steel for scraping sensitive work areas.

- For use in hazardous environment
  - Non sparking solid brass blade is magnetic free, corrosion-resistant, and will not damage sensitive work
  - Full tang construction
  - Solid brass blade is fully hardened, mirror polished, and well coated
- Use to remove paint, grease, undercoating, gaskets, etc. For sensitive and hazardous environment. Also good for auto repair and mechanics.

Part No.	Width
8900976	32mm (1-1/4")



### **FASTENAL** Carbon Steel Stiff Putty Knives

Stiff Putty knife with full tang construction

- Professional Quality
- Full Tang Construction
- Heat-treated, clear lacquer coated and mirror polished blades
- Comfortable polypropylene handle

Professional quality for home improvement, painting, auto repair, etc. Use to remove paint, rust, grease, undercoating, gasket, filler. Can also apply adhesive, filler, body compound, spackle

Part No.	Width
8900977	32mm (1-1/4")
8900978	38mm (1-1/2")
8900979	50mm (2")
8900980	75mm (3")



### **FASTENAL** Flexible Putty Knives

Flexible putty knife with full tang construction

- Professional Quality
- Full Tang Construction
- Heat-treated, clear lacquer coated and mirror polished blades
- Comfortable polypropylene handle
- Precision ground and tapered

Professional quality for home improvement, painting, auto repair, etc. Use to remove paint, rust, grease, undercoating, gasket, filler. Can also apply adhesive, filler, body compound, spackle

Part No.	Width
8900981	32mm (1-1/4")
8900982	38mm (1-1/2")
8900983	50mm (2")
8900984	100mm (4")
8900985	150mm (6")



### **FASTENAL** Stainless Steel Flexible Putty Knives

Flexible putty knife with full tang construction. Stainless steel 420 blade.

- Professional Quality
- Full Tang Construction
- Heat-treated, clear lacquer coated and mirror polished blades
- Comfortable polypropylene handle
- Precision ground and tapered

Professional quality for home improvement, painting, auto repair, etc. Use to remove paint, rust, grease, undercoating, gasket, filler. Can also apply adhesive, filler, body compound, spackle

Part No.	Width
8900986	38mm (1-1/2")
8900987	75mm (3")



## Cable Ties

### **FASTENAL®** Standard Cable Ties

- Smooth rounded edges do not cut insulation or hands and are comfortable to work with
- No metal parts; head and pawl are integrally molded for added strength and durability
- Bent tip on all cable ties allows easier pick-up, insertion and pull-up
- Closely spaced position-locking teeth permit fine adjustment to tie bundles of all sizes
- Self locking, one piece low profile head conserves space



Color - Natural				
Part No.	Length	Maximum Diameter	Tensile Strength	Pkg Qty.
8901025	4" (102mm)	7/8" (22mm)	18lb (8kg)	100
8901027	5.9" (150mm)	1-3/8" (35mm)	40lb (18kg)	100
8901029	7.9" (200mm)	2" (50mm)	50lb (22kg)	100
8901031	11.3" (286mm)	3" (75mm)	50lb (22kg)	100
8901033	14.5" (370mm)	4" (100mm)	50lb (22kg)	100
8901035	14.5" (370mm)	4" (100mm)	120lb (54kg)	100
8901038	27.6" (702mm)	7" (175mm)	175lb (79kg)	25
8901039	31.4" (798mm)	9" (225mm)	175lb (79kg)	25
8901041	36" (914mm)	10 1/2" (265mm)	175lb (79kg)	25

Color - Black				
Part No.	Length	Maximum Diameter	Tensile Strength	Pkg Qty.
8901026	4" (102mm)	7/8" (22mm)	18lb (8kg)	100
8901028	5.9" (150mm)	1-3/8" (35mm)	40lb (18kg)	100
8901030	7.9" (200mm)	2" (50mm)	50lb (22kg)	100
8901032	11.3" (286mm)	3" (75mm)	50lb (22kg)	100
8901034	14.5" (370mm)	4" (100mm)	50lb (22kg)	100
8901036	14.5" (370mm)	4" (100mm)	120lb (54kg)	100
8901037	27.6" (702mm)	7" (175mm)	175lb (79kg)	25
8901040	31.4" (798mm)	9" (225mm)	175lb (79kg)	25
8901042	36" (914mm)	10 1/2" (265mm)	175lb (79kg)	25

## FASTENAL'S OEM COMPETITIVE ADVANTAGE



Fastenal is an industry leader in fasteners, class "C" commodities and turn-key implementation of inventory management programs. With local service and daily delivery across the globe, we support thousands of customers' OEM manufacturing and inventory control needs. Here's a high-level look at Fastenal's value proposition:

- Global Reach, Local Service
- Inventory Control & Reduction
- Reduced Freight Costs
- Product Standardization
- Vendor Consolidation
- Contract Pricing
- Lean Solutions
- ISO 9001 Certified Quality Management
- Global Sourcing
- Manufacturing Support Around the Globe



Malaysia Test Cert # 1046.05  
Shanghai Test Cert # 1046.04  
Taiwan Test Cert # 1046.03  
Winona Test Cert # 1046.01  
Winona Calibration Cert # 1046.02

Not all testing listed is included on our A2LA Scopes of Accreditation. Please consult our Scopes directly for a full list of accredited services.



**fastenal.com**



## Jobber Drills

### **FASTENAL** 118° HSS Jobber Drills

- 118° W4 Black: W4 HSS, black oxide finish increases lubricity and chip flow, economical series, DIN338
- 118° M2 Bright: M2 HSS, fully ground, split point, bright finish, DIN338
- 118° M2 TiN: M2 HSS, fully ground, split point, TiN coating for extended tool life, DIN338



Drill Size	Diameter	Flute Length	Overall Length	118°-W4 Black	118°-M2 Bright	118°-M2 TiN
				Part No.	Part No.	Part No.
0.5mm	0.0197"	6mm	22mm		8900335	
0.7mm	0.0276"	9mm	28mm		8900336	
1mm	0.0394"	12mm	34mm	8900228	8900337	
1.1mm	0.0433"	14mm	36mm		8900338	8900455
1.2mm	0.0472"	16mm	38mm		8900339	
1.3mm	0.0512"	16mm	38mm		8900340	
1.4mm	0.0551"	18mm	40mm		8900341	8900456
1.5mm	0.0591"	18mm	40mm	8900229	8900342	8900457
1.6mm	0.0630"	20mm	43mm		8900343	8900458
1.7mm	0.0669"	20mm	43mm		8900344	8900459
1.8mm	0.0709"	22mm	46mm		8900345	
1.9mm	0.0748"	22mm	46mm		8900346	
2mm	0.0787"	24mm	49mm	8900230	8900347	8900460
2.1mm	0.0827"	24mm	49mm		8900348	8900461
2.2mm	0.0866"	27mm	53mm		8900349	8900462
2.3mm	0.0906"	27mm	53mm	8900231	8900350	8900463
2.4mm	0.0945"	30mm	57mm		8900351	8900464
2.5mm	0.0984"	30mm	57mm	8900232	8900352	8900465
2.6mm	0.1024"	30mm	57mm		8900353	8900466
2.7mm	0.1063"	33mm	61mm		8900354	8900467
2.8mm	0.1102"	33mm	61mm	8900233	8900355	8900468
2.9mm	0.1142"	33mm	61mm		8900356	8900469
3mm	0.1181"	33mm	61mm	8900234	8900357	8900470
3.1mm	0.1220"	36mm	65mm	8900235	8900358	8900472
3.2mm	0.1260"	36mm	65mm	8900236	8900359	8900473
3.3mm	0.1299"	36mm	65mm	8900237	8900360	8900474
3.4mm	0.1339"	39mm	70mm	8900238	8900361	8900475
3.5mm	0.1378"	39mm	70mm	8900239	8900362	8900476
3.6mm	0.1417"	39mm	70mm	8900240	8900363	8900477
3.7mm	0.1457"	39mm	70mm	8900242	8900364	8900478
3.8mm	0.1496"	43mm	75mm	8900244	8900365	8900479
3.9mm	0.1535"	43mm	75mm	8900245	8900366	
4mm	0.1575"	43mm	75mm	8900246	8900367	8900480
4.1mm	0.1614"	43mm	75mm	8900247	8900368	8900481
4.2mm	0.1654"	43mm	75mm	8900248	8900369	8900482
4.3mm	0.1693"	47mm	80mm	8900249	8900371	8900483
4.4mm	0.1732"	47mm	80mm	8900250	8900372	8900484
4.5mm	0.1772"	47mm	80mm	8900251	8900373	8900485
4.6mm	0.1811"	47mm	80mm	8900252	8900374	8900486
4.7mm	0.1850"	47mm	80mm	8900253	8900375	8900487
4.8mm	0.1890"	52mm	86mm	8900254	8900376	8900488
4.9mm	0.1929"	52mm	86mm	8900255	8900377	8900489
5mm	0.1969"	52mm	86mm	8900256	8900378	8900490
5.1mm	0.2008"	52mm	86mm	8900257	8900379	8900491
5.2mm	0.2047"	52mm	86mm	8900258	8900380	8900492
5.3mm	0.2087"	52mm	86mm	8900259	8900381	8900493
5.4mm	0.2126"	57mm	93mm	8900260	8900382	8900494
5.5mm	0.2165"	57mm	93mm	8900261	8900383	8900495
5.6mm	0.2205"	57mm	93mm	8900262	8900384	
5.7mm	0.2244"	57mm	93mm	8900263	8900385	8900496
5.8mm	0.2283"	57mm	93mm	8900264	8900386	8900497
5.9mm	0.2323"	57mm	93mm	8900265	8900387	8900498
6mm	0.2362"	57mm	93mm	8900266	8900388	8900499
6.1mm	0.2402"	63mm	101mm	8900267	8900389	8900500
6.2mm	0.2441"	63mm	101mm	8900268	8900390	8900501
6.3mm	0.2480"	63mm	101mm	8900269	8900391	
6.4mm	0.2520"	63mm	101mm	8900270	8900392	8900502
6.5mm	0.2559"	63mm	101mm	8900271	8900393	8900503
6.6mm	0.2598"	63mm	101mm	8900272		8900504
6.7mm	0.2638"	63mm	101mm	8900273	8900394	8900505
6.8mm	0.2677"	69mm	109mm	8900274	8900395	8900506
6.9mm	0.2717"	69mm	109mm	8900275	8900396	8900507

Drill Size	Diameter	Flute Length	Overall Length	118°-W4 Black	118°-M2 Bright	118°-M2 TiN
				Part No.	Part No.	Part No.
7mm	0.2756"	69mm	109mm	8900276	8900397	8900508
7.1mm	0.2795"	69mm	109mm	8900277	8900398	8900509
7.2mm	0.2835"	69mm	109mm	8900278	8900399	8900510
7.3mm	0.2874"	69mm	109mm	8900279	8900400	8900511
7.4mm	0.2913"	69mm	109mm	8900280	8900401	8900512
7.5mm	0.2953"	69mm	109mm	8900281	8900402	8900513
7.6mm	0.2992"	75mm	117mm	8900282	8900403	
7.7mm	0.3031"	75mm	117mm	8900283	8900404	8900514
7.8mm	0.3071"	75mm	117mm	8900284	8900405	8900515
7.9mm	0.3110"	75mm	117mm	8900285	8900406	8900516
8mm	0.3150"	75mm	117mm	8900286	8900407	8900517
8.1mm	0.3189"	75mm	117mm	8900287	8900408	8900518
8.2mm	0.3228"	75mm	117mm	8900288	8900409	8900519
8.3mm	0.3268"	75mm	117mm	8900289	8900410	
8.4mm	0.3307"	75mm	117mm	8900290	8900411	8900520
8.5mm	0.3346"	75mm	117mm	8900291	8900412	8900521
8.6mm	0.3386"	81mm	125mm	8900292	8900413	8900522
8.7mm	0.3425"	81mm	125mm	8900293	8900414	8900523
8.8mm	0.3465"	81mm	125mm	8900294	8900415	8900524
8.9mm	0.3504"	81mm	125mm	8900295	8900416	8900525
9mm	0.3543"	81mm	125mm	8900296	8900417	8900526
9.1mm	0.3583"	81mm	125mm	8900297	8900418	8900527
9.2mm	0.3622"	81mm	125mm	8900298	8900419	8900528
9.3mm	0.3661"	81mm	125mm	8900299	8900420	
9.4mm	0.3701"	81mm	125mm	8900300	8900421	8900529
9.5mm	0.3740"	81mm	125mm	8900301	8900422	8900530
9.6mm	0.3780"	87mm	133mm		8900423	8900531
9.7mm	0.3819"	87mm	133mm	8900302	8900424	8900532
9.8mm	0.3858"	87mm	133mm	8900303	8900425	8900533
9.9mm	0.3898"	87mm	133mm	8900304	8900426	8900534
10mm	0.3937"	87mm	133mm	8900305	8900427	8900535
10.1mm	0.3976"	87mm	133mm	8900306	8900428	8900536
10.2mm	0.4016"	87mm	133mm	8900307	8900429	8900537
10.3mm	0.4055"	87mm	133mm	8900308	8900430	8900538
10.4mm	0.4094"	87mm	133mm	8900309	8900431	8900539
10.5mm	0.4134"	87mm	133mm	8900310	8900432	8900540
10.6mm	0.4173"	87mm	133mm	8900311	8900433	8900541
10.7mm	0.4213"	94mm	142mm	8900312	8900434	8900542
10.8mm	0.4252"	94mm	142mm	8900313	8900435	8900543
10.9mm	0.4291"	94mm	142mm	8900314	8900436	
11mm	0.4331"	94mm	142mm	8900315	8900437	8900544
11.1mm	0.4370"	94mm	142mm	8900316	8900438	8900545
11.2mm	0.4409"	94mm	142mm	8900317	8900439	8900546
11.3mm	0.4449"	94mm	142mm	8900318	8900440	8900547
11.4mm	0.4488"	94mm	142mm	8900319	8900441	
11.5mm	0.4528"	94mm	142mm	8900320	8900442	8900548
11.6mm	0.4567"	94mm	142mm	8900321	8900443	8900549
11.7mm	0.4606"	94mm	142mm	8900322	8900444	
11.8mm	0.4646"	94mm	142mm	8900323	8900445	
11.9mm	0.4685"	101mm	151mm		8900446	
12mm	0.4724"	101mm	151mm	8900324	8900447	8900550
12.1mm	0.4764"	101mm	151mm	8900325	8900448	8900551
12.2mm	0.4803"	101mm	151mm	8900326	8900449	8900552
12.3mm	0.4843"	101mm	151mm	8900327	8900450	
12.4mm	0.4882"	101mm	151mm	8900328	8900451	8900553
12.5mm	0.4921"	101mm	151mm	8900329	8900452	8900554
12.6mm	0.4961"	101mm	151mm	8900330	8900453	8900555
12.7mm	0.5000"	101mm	151mm	8900331		8900556
12.8mm	0.5039"	101mm	151mm	8900332		8900557
12.9mm	0.5079"	101mm	151mm	8900333		8900558
13mm	0.5118"	101mm	151mm	8900334	8900454	8900559

## Jobber Drills Cont.

**FASTENAL** 135° HSS Jobber Drills

- 135° M2 Bright: M2 HSS, fully ground, split point, bright finish, DIN338
- 135° M2 TiN: M2 HSS, fully ground, split point, TiN coating for extended tool life, DIN338

**FASTENAL** 135° Carbide Jobber Drills

- 135° Carbide AlTiN: Carbide, AlTiN coating increases hardness and tool life - capable at running at much higher speeds, DIN338



Drill Size	Diameter	Flute Length	Overall Length	135°-M2 Bright Part No.	135°-M2 TiN Part No.	135°-Carbide AlTiN Part No.
0.5mm	0.0197"	6mm	22mm	8900560		
0.7mm	0.0276"	9mm	28mm	8900561		
1mm	0.0394"	12mm	34mm	8900562		
1.1mm	0.0433"	14mm	36mm	8900563	8900680	
1.2mm	0.0472"	16mm	38mm	8900564		
1.3mm	0.0512"	16mm	38mm	8900565		
1.4mm	0.0551"	18mm	40mm	8900566	8900681	
1.5mm	0.0591"	18mm	40mm	8900567	8900682	
1.6mm	0.0630"	20mm	43mm	8900568	8900683	
1.7mm	0.0669"	20mm	43mm	8900569	8900684	
1.8mm	0.0709"	22mm	46mm	8900570		
1.9mm	0.0748"	22mm	46mm	8900571		
2mm	0.0787"	24mm	49mm	8900572	8900685	
2.1mm	0.0827"	24mm	49mm	8900573	8900686	
2.2mm	0.0866"	27mm	53mm	8900574	8900687	
2.3mm	0.0906"	27mm	53mm	8900575	8900688	
2.4mm	0.0945"	30mm	57mm	8900576	8900689	
2.5mm	0.0984"	30mm	57mm	8900577	8900690	
2.6mm	0.1024"	30mm	57mm	8900578	8900691	
2.7mm	0.1063"	33mm	61mm	8900579	8900692	
2.8mm	0.1102"	33mm	61mm	8900580	8900693	
2.9mm	0.1142"	33mm	61mm	8900581	8900694	
3mm	0.1181"	33mm	61mm	8900582	8900695	8900785
3.1mm	0.1220"	36mm	65mm	8900583	8900697	8900786
3.2mm	0.1260"	36mm	65mm	8900584	8900698	8900787
3.3mm	0.1299"	36mm	65mm	8900585	8900699	8900788
3.4mm	0.1339"	39mm	70mm	8900586	8900700	8900789
3.5mm	0.1378"	39mm	70mm	8900587	8900701	8900790
3.6mm	0.1417"	39mm	70mm	8900588	8900702	8900791
3.7mm	0.1457"	39mm	70mm	8900589	8900703	8900792
3.8mm	0.1496"	43mm	75mm	8900590	8900704	8900793
3.9mm	0.1535"	43mm	75mm	8900591		8900794
4mm	0.1575"	43mm	75mm	8900592	8900705	8900795
4.1mm	0.1614"	43mm	75mm	8900593	8900706	8900796
4.2mm	0.1654"	43mm	75mm	8900594	8900707	8900797
4.3mm	0.1693"	47mm	80mm	8900596	8900708	8900798
4.4mm	0.1732"	47mm	80mm	8900597	8900709	8900799
4.5mm	0.1772"	47mm	80mm	8900598	8900710	8900800
4.6mm	0.1811"	47mm	80mm	8900599	8900711	8900801
4.7mm	0.1850"	47mm	80mm	8900600	8900712	8900802
4.8mm	0.1890"	52mm	86mm	8900601	8900713	8900803
4.9mm	0.1929"	52mm	86mm	8900602	8900714	8900804
5mm	0.1969"	52mm	86mm	8900603	8900715	8900805
5.1mm	0.2008"	52mm	86mm	8900604	8900716	8900806
5.2mm	0.2047"	52mm	86mm	8900605	8900717	8900807
5.3mm	0.2087"	52mm	86mm	8900606	8900718	8900808
5.4mm	0.2126"	57mm	93mm	8900607	8900719	8900809
5.5mm	0.2165"	57mm	93mm	8900608	8900720	8900810
5.6mm	0.2205"	57mm	93mm	8900609		8900811
5.7mm	0.2244"	57mm	93mm	8900610	8900721	8900812
5.8mm	0.2283"	57mm	93mm	8900611	8900722	8900813
5.9mm	0.2323"	57mm	93mm	8900612	8900723	8900814
6mm	0.2362"	57mm	93mm	8900613	8900724	8900815
6.1mm	0.2402"	63mm	101mm	8900614	8900725	8900816
6.2mm	0.2441"	63mm	101mm	8900615	8900726	8900817
6.3mm	0.2480"	63mm	101mm	8900616		8900818
6.4mm	0.2520"	63mm	101mm	8900617	8900727	8900819
6.5mm	0.2559"	63mm	101mm	8900618	8900728	8900820
6.6mm	0.2598"	63mm	101mm		8900729	8900821
6.7mm	0.2638"	63mm	101mm	8900619	8900730	8900822
6.8mm	0.2677"	69mm	109mm	8900620	8900731	8900823
6.9mm	0.2717"	69mm	109mm	8900621	8900732	8900824

Drill Size	Diameter	Flute Length	Overall Length	135°-M2 Bright Part No.	135°-M2 TiN Part No.	135°-Carbide AlTiN Part No.
7mm	0.2756"	69mm	109mm	8900622	8900733	8900825
7.1mm	0.2795"	69mm	109mm	8900623	8900734	8900826
7.2mm	0.2835"	69mm	109mm	8900624	8900735	8900827
7.3mm	0.2874"	69mm	109mm	8900625	8900736	8900828
7.4mm	0.2913"	69mm	109mm	8900626	8900737	8900829
7.5mm	0.2953"	69mm	109mm	8900627	8900738	8900830
7.6mm	0.2992"	75mm	117mm	8900628		8900831
7.7mm	0.3031"	75mm	117mm	8900629	8900739	8900832
7.8mm	0.3071"	75mm	117mm	8900630	8900740	8900833
7.9mm	0.3110"	75mm	117mm	8900631	8900741	8900834
8mm	0.3150"	75mm	117mm	8900632	8900742	8900835
8.1mm	0.3189"	75mm	117mm	8900633	8900743	8900836
8.2mm	0.3228"	75mm	117mm	8900634	8900744	8900837
8.3mm	0.3268"	75mm	117mm	8900635		8900838
8.4mm	0.3307"	75mm	117mm	8900636	8900745	8900839
8.5mm	0.3346"	75mm	117mm	8900637	8900746	8900840
8.6mm	0.3386"	81mm	125mm	8900638	8900747	8900841
8.7mm	0.3425"	81mm	125mm	8900639	8900748	8900842
8.8mm	0.3465"	81mm	125mm	8900640	8900749	8900843
8.9mm	0.3504"	81mm	125mm	8900641	8900750	8900844
9mm	0.3543"	81mm	125mm	8900642	8900751	8900845
9.1mm	0.3583"	81mm	125mm	8900643	8900752	8900846
9.2mm	0.3622"	81mm	125mm	8900644	8900753	8900847
9.3mm	0.3661"	81mm	125mm	8900645		8900848
9.4mm	0.3701"	81mm	125mm	8900646	8900754	8900849
9.5mm	0.3740"	81mm	125mm	8900647	8900755	8900850
9.6mm	0.3780"	87mm	133mm	8900648	8900756	8900851
9.7mm	0.3819"	87mm	133mm	8900649	8900757	8900852
9.8mm	0.3858"	87mm	133mm	8900650	8900758	8900853
9.9mm	0.3898"	87mm	133mm	8900651	8900759	8900854
10mm	0.3937"	87mm	133mm	8900652	8900760	8900855
10.1mm	0.3976"	87mm	133mm	8900653	8900761	8900856
10.2mm	0.4016"	87mm	133mm	8900654	8900762	8900857
10.3mm	0.4055"	87mm	133mm	8900655	8900763	8900858
10.4mm	0.4094"	87mm	133mm	8900656	8900764	8900859
10.5mm	0.4134"	87mm	133mm	8900657	8900765	8900860
10.6mm	0.4173"	87mm	133mm	8900658	8900766	8900861
10.7mm	0.4213"	94mm	142mm	8900659	8900767	8900862
10.8mm	0.4252"	94mm	142mm	8900660	8900768	8900863
10.9mm	0.4291"	94mm	142mm	8900661		8900864
11mm	0.4331"	94mm	142mm	8900662	8900769	8900865
11.1mm	0.4370"	94mm	142mm	8900663	8900770	8900866
11.2mm	0.4409"	94mm	142mm	8900664	8900771	8900867
11.3mm	0.4449"	94mm	142mm	8900665	8900772	8900868
11.4mm	0.4488"	94mm	142mm	8900666		8900869
11.5mm	0.4528"	94mm	142mm	8900667	8900773	8900870
11.6mm	0.4567"	94mm	142mm	8900668	8900774	8900871
11.7mm	0.4606"	94mm	142mm	8900669		8900872
11.8mm	0.4646"	94mm	142mm	8900670		8900873
11.9mm	0.4685"	101mm	151mm	8900671		8900874
12mm	0.4724"	101mm	151mm	8900672	8900775	8900875
12.1mm	0.4764"	101mm	151mm	8900673	8900776	
12.2mm	0.4803"	101mm	151mm	8900674	8900777	
12.3mm	0.4843"	101mm	151mm	8900675		
12.4mm	0.4882"	101mm	151mm	8900676	8900778	
12.5mm	0.4921"	101mm	151mm	8900677	8900779	8900876
12.6mm	0.4961"	101mm	151mm	8900678	8900780	
12.7mm	0.5000"	101mm	151mm		8900781	
12.8mm	0.5039"	101mm	151mm		8900782	
12.9mm	0.5079"	101mm	151mm		8900783	
13mm	0.5118"	101mm	151mm	8900679	8900784	8900877

## End Mills



### HSS End Mills

- High Speed Steel with 8% Cobalt
- Center Cutting
- 2 Flute, Regular Length, Square End
- DIN327



Part No.	Size	Shank Diameter	Cutting Length	Overall Length
8900019	1mm	6mm	2.5mm	47mm
8900020	1.5mm	6mm	3mm	47mm
8900021	2mm	6mm	4mm	48mm
8900022	2.5mm	6mm	5mm	49mm
8900023	3mm	6mm	5mm	49mm
8900024	3.5mm	6mm	6mm	50mm
8900025	4mm	6mm	7mm	51mm
8900026	4.5mm	6mm	7mm	51mm
8900027	5mm	6mm	8mm	52mm
8900028	5.5mm	6mm	8mm	52mm
8900029	6mm	6mm	8mm	52mm
8900030	6.5mm	10mm	10mm	60mm
8900031	7mm	10mm	10mm	60mm
8900032	7.5mm	10mm	10mm	60mm
8900033	8mm	10mm	11mm	61mm
8900034	8.5mm	10mm	11mm	61mm
8900035	9mm	10mm	11mm	61mm
8900036	9.5mm	10mm	11mm	61mm
8900037	10mm	10mm	13mm	63mm
8900038	10.5mm	12mm	13mm	70mm
8900039	11mm	12mm	13mm	70mm
8900040	11.5mm	12mm	13mm	70mm
8900041	12mm	12mm	16mm	73mm
8900042	13mm	12mm	16mm	73mm
8900043	14mm	12mm	16mm	73mm

- 4 Flute, Regular Length, Square End
- DIN844



Part No.	Size	Shank Diameter	Cutting Length	Overall Length
8900045	1.5mm	6mm	5mm	49mm
8900046	2mm	6mm	7mm	51mm
8900047	2.5mm	6mm	8mm	52mm
8900048	3mm	6mm	8mm	52mm
8900049	3.5mm	6mm	10mm	54mm
8900050	4mm	6mm	11mm	55mm
8900051	4.5mm	6mm	7mm	55mm
8900052	5mm	6mm	13mm	57mm
8900053	5.5mm	6mm	13mm	57mm
8900054	6mm	6mm	13mm	57mm
8900055	6.5mm	10mm	16mm	66mm
8900056	7mm	10mm	16mm	66mm
8900057	7.5mm	10mm	16mm	66mm
8900058	8mm	10mm	19mm	69mm
8900059	8.5mm	10mm	19mm	69mm
8900060	9mm	10mm	19mm	69mm
8900061	9.5mm	10mm	19mm	69mm
8900062	10mm	10mm	22mm	72mm
8900063	10.5mm	12mm	22mm	79mm
8900064	11mm	12mm	22mm	79mm
8900066	12mm	12mm	26mm	83mm
8900067	13mm	12mm	26mm	83mm
8900068	14mm	12mm	26mm	83mm

- 2 Flute, Regular Length, Ball Nose
- DIN327



Part No.	Size	Shank Diameter	Cutting Length	Overall Length
8900069	2mm	6mm	4mm	48mm
8900070	2.5mm	6mm	5mm	49mm
8900071	3mm	6mm	5mm	49mm
8900072	4mm	6mm	7mm	51mm
8900073	5mm	6mm	8mm	52mm
8900074	6mm	6mm	8mm	52mm
8900075	7mm	10mm	10mm	60mm
8900076	8mm	10mm	11mm	61mm
8900077	9mm	10mm	11mm	61mm
8900078	10mm	10mm	13mm	63mm
8900079	11mm	12mm	13mm	70mm
8900080	12mm	12mm	16mm	73mm
8900081	13mm	12mm	16mm	73mm
8900082	14mm	12mm	16mm	73mm



### Carbide End Mills

- Carbide
- Center Cutting
- 2 Flute, Regular Length, Square End
- DIN6527



Part No.	Size	Shank Diameter	Cutting Length	Overall Length
8900083	2mm	6mm	3mm	50mm
8900084	3mm	6mm	4mm	50mm
8900085	3.5mm	6mm	4mm	50mm
8900086	4mm	6mm	5mm	54mm
8900087	4.5mm	6mm	5mm	54mm
8900088	5mm	6mm	6mm	54mm
8900089	6mm	6mm	7mm	54mm
8900090	7mm	8mm	8mm	58mm
8900091	8mm	8mm	9mm	58mm
8900092	9mm	10mm	10mm	66mm
8900093	10mm	10mm	11mm	66mm
8900094	12mm	12mm	12mm	73mm

- 4 Flute, Regular Length, Square End
- DIN6527



Part No.	Size	Shank Diameter	Cutting Length	Overall Length
8900095	2mm	6mm	4mm	50mm
8900096	2.5mm	6mm	4mm	50mm
8900097	3mm	6mm	5mm	50mm
8900098	3.5mm	6mm	6mm	50mm
8900099	4mm	6mm	8mm	54mm
8900100	4.5mm	6mm	8mm	54mm
8900101	5mm	6mm	9mm	54mm
8900102	6mm	6mm	10mm	54mm
8900103	7mm	8mm	11mm	58mm
8900104	8mm	8mm	12mm	58mm
8900105	9mm	10mm	13mm	66mm
8900106	10mm	10mm	14mm	66mm
8900107	12mm	12mm	16mm	73mm

- 2 Flute, Regular Length, Ball Nose
- DIN6527



Part No.	Size	Shank Diameter	Cutting Length	Overall Length
8900108	2mm	6mm	3mm	50mm
8900109	3mm	6mm	4mm	50mm
8900110	4mm	6mm	5mm	54mm
8900111	5mm	6mm	6mm	54mm
8900112	6mm	6mm	7mm	54mm
8900113	8mm	8mm	9mm	58mm
8900114	10mm	10mm	11mm	66mm
8900115	12mm	12mm	12mm	73mm



### Spiral Flute Tap

- High Speed Steel
- M2 to M10: DIN371
- M11 to M14: DIN376



Part No.	Tap Size	Thread Size	Limit	Number of Flutes
8900132	M2	0.40	H6	3
8900133	M2.2	0.45	H6	3
8900134	M2.3	0.40	H6	3
8900135	M2.5	0.45	H6	3
8900136	M2.6	0.45	H6	3
8900137	M3	0.50	H6	3
8900138	M3.5	0.60	H6	3
8900139	M4	0.70	H6	3
8900140	M4.5	0.75	H6	3
8900141	M5	0.80	H6	3
8900142	M6	1.00	H6	3
8900143	M7	1.00	H6	3
8900144	M8	1.25	H6	3
8900145	M9	1.25	H6	3
8900146	M10	1.50	H6	3
8900147	M11	1.50	H6	3
8900148	M12	1.75	H6	3
8900149	M14	2.00	H6	3



### Gun Point Tap

- High Speed Steel
- DIN371



Part No.	Tap Size	Thread Size	Limit	Number of Flutes
8900150	M2	0.40	H6	3
8900151	M2.2	0.45	H6	3
8900152	M2.3	0.40	H6	3
8900153	M2.5	0.45	H6	3
8900154	M2.6	0.45	H6	3
8900155	M3	0.50	H6	3
8900156	M3.5	0.60	H6	3
8900157	M4	0.70	H6	3
8900158	M4.5	0.75	H6	3
8900159	M5	0.80	H6	3
8900160	M6	1.00	H6	3
8900161	M7	1.00	H6	3
8900162	M8	1.25	H6	3
8900163	M9	1.25	H6	3
8900164	M10	1.50	H6	3
8900165	M11	1.50	H6	3
8900166	M12	1.75	H6	3



## Grinding Wheels

### **FASTENAL** Cutting and Grinding Wheels

Fastenal cutting and grinding wheels offer an industrial quality with a good level of performance. The cutting wheels are designed for fast, comfortable and smooth cutting while the grinding wheels have good stock removal and long wheel life.

A60S BF41 – Straight cut off wheels for angle grinders to cut steel and stainless steel (INOX).

– Ultra-thin (1.0mm) cutting wheels for precise and smooth cutting, with minimum material loss.

A30S BF41 – Straight cut off wheels for angle grinders to cut steel and stainless steel (INOX).

– The 350mm wheel is suitable for a chop saw and is used to cut steel.

A30S BF42 – Depressed centre cut off wheels used with angle grinders to cut steel and stainless steel (INOX).

A30S BF27 – Depressed centre grinding wheels used with angle grinders have good stock removal for use on steel and stainless steel (INOX).

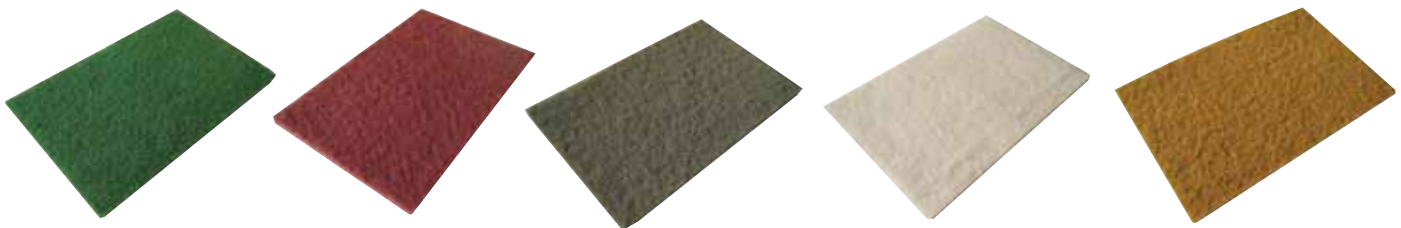
– Long wheel life.



Part Number	Diameter (mm)	Thickness (mm)	Arbor Size (mm)	Type	Specification	Operating Speed	Application
8900950	115	1	22.23	Flat Cutting	A 60 S-BF41	13300 rpm	Steel / INOX
8900951	115	1.6	22.23	Flat Cutting	A 60 S-BF41	13300 rpm	Steel / INOX
8900952	125	1	22.23	Flat Cutting	A 60 S-BF41	12250 rpm	Steel / INOX
8900953	125	1.6	22.23	Flat Cutting	A 60 S-BF41	12250 rpm	Steel / INOX
8900954	150	1.6	22.23	Flat Cutting	A 60 S-BF41	10200 rpm	Steel / INOX
8900955	180	1.6	22.23	Flat Cutting	A 60 S-BF41	8500 rpm	Steel / INOX
8900956	230	1.9	22.23	Flat Cutting	A 60 S-BF41	6650 rpm	Steel / INOX
8900957	100	2.5	16	Flat Cutting	A 30 S-BF41	15300 rpm	Steel / INOX
8900958	115	2.5	22.23	Flat Cutting	A 30 S-BF41	13300 rpm	Steel / INOX
8900959	125	2.5	22.23	Flat Cutting	A 30 S-BF41	12250 rpm	Steel / INOX
8900960	150	2.5	22.23	Flat Cutting	A 30 S-BF41	10200 rpm	Steel / INOX
8900961	180	2.5	22.23	Flat Cutting	A 30 S-BF41	8500 rpm	Steel / INOX
8900962	230	2.5	22.23	Flat Cutting	A 30 S-BF41	6650 rpm	Steel / INOX
8900963	350	3	25.4	Chopsaw	A 30 S-BF41	4400 rpm	Steel
8900964	100	3	16	Depressed Center Cutting	A 30 S-BF42	15300 rpm	Steel / INOX
8900965	115	3	22.23	Depressed Center Cutting	A 30 S-BF42	13300 rpm	Steel / INOX
8900966	125	3	22.23	Depressed Center Cutting	A 30 S-BF42	12250 rpm	Steel / INOX
8900967	180	3	22.23	Depressed Center Cutting	A 30 S-BF42	8500 rpm	Steel / INOX
8900968	230	3	22.23	Depressed Center Cutting	A 30 S-BF42	6650 rpm	Steel / INOX
8900969	100	6	16	Depressed Center Grinding	A 30 S-BF27	15300 rpm	Steel / INOX
8900970	115	6	22.23	Depressed Center Grinding	A 30 S-BF27	13300 rpm	Steel / INOX
8900971	125	6	22.23	Depressed Center Grinding	A 30 S-BF27	12250 rpm	Steel / INOX
8900972	180	6	22.23	Depressed Center Grinding	A 30 S-BF27	8500 rpm	Steel / INOX
8900973	230	6	22.23	Depressed Center Grinding	A 30 S-BF27	6650 rpm	Steel / INOX

## Hand Pads

### **FASTENAL** Hand Pads



Part No.	Description	Notes	Features	Application
8900878	6" x 9" Aluminum Oxide Green General Purpose Fastenal Non-Woven Hand Pad	General Purpose Hand Pad, remove oxidation layer, polishing, cleaning, deburring all various material surfaces.	Used for removing corrosion, oxidation, marks and stains.	Removing corrosion, oxidation, marks and stains
8900879	6" x 9" Aluminum Oxide Maroon Very Fine Fastenal Non-Woven Hand Pad	Very Fine Hand Pad, applicable to polishing, cleaning, deburring all various material surfaces.	Used for finishing, cleaning, removing rust and preparing surfaces for painting.	Finishing, cleaning, removing rust and preparing surfaces for painting
8900880	6" x 9" Silicon Carbide Gray Ultra Fine Fastenal Non-Woven Hand Pad	Ultra Fine Hand Pad, precisely polishing metal, wood and plastic.	Used for polishing and cleaning a variety of metals, plastics & wood.	Polishing and cleaning a variety of metals, plastics & wood
8900881	6" x 9" White Light-Duty Fastenal Non-Woven Hand Pad	Non-Abrasive Light Duty Hand Pad, for cleaning, polishing.	Non-abrasive material. Used with detergents and cleaners. Used when cleaning stainless steel, chrome, ceramic, glass and smoothing paint and highlighting wood.	Used with detergents and cleaners, used when cleaning stainless steel, chrome, ceramic, glass and smoothing paint and highlighting wood
8900882	6" x 9" Aluminum Oxide Tan Heavy Duty Fastenal Non-Woven Hand Pad	Heavy Duty Hand Pad, remove oxidation layer, derusting.	Heavy duty abrasive material. Ideal for serious removal of oxidation rust, deburring, blending. Replaces steel wool in different applications.	Heavy duty abrasive material, ideal for serious removal of oxidation rust, deburring, blending and replaces steel wool in different applications

## Flap Discs

### **FASTENAL® Flap Discs**

The Fastenal standard flap discs are a high-performance disc made from premium poly/cotton zirconia abrasive material. The discs offer consistent rapid stock removal and better longevity compared to other competitive flap discs.

- Fastenal Flap Discs are made with Premium VSM coated abrasives. They are designed for grinding (depressed center wheels) and blending (fiber discs) --- all completed with one disc and one operation.
- Typical applications include stock removal, weld grinding, deburring, cleaning and finishing.



Type 27			
Part No.	Diameter (mm)	Arbor Size (mm)	Grit
8900887	100	16	36
8900888	100	16	40
8900889	100	16	60
8900890	100	16	80
8900895	125	22.2	36
8900896	125	22.2	40
8900897	125	22.2	60
8900898	125	22.2	80
8900903	180	22.2	36
8900904	180	22.2	40
8900905	180	22.2	60
8900906	180	22.2	80

Type 29			
Part No.	Diameter (mm)	Arbor Size (mm)	Grit
8900883	100	16	36
8900884	100	16	40
8900885	100	16	60
8900886	100	16	80
8900891	125	22.2	36

Type 29			
Part No.	Diameter (mm)	Arbor Size (mm)	Grit
8900892	125	22.2	40
8900893	125	22.2	60
8900894	125	22.2	80
8900899	180	22.2	36
8900900	180	22.2	40
8900901	180	22.2	60
8900902	180	22.2	80

### **FASTENAL® Flap Wheels**

- Aluminum Oxide abrasive
- 1/4" shank mounted



			60 Grit	80 Grit	120 Grit
Diameter (mm)	Width (mm)	Shaft (mm)	Part No.	Part No.	Part No.
30	30	6	8900907	8900908	8900909
40	30	6	8900910	8900911	8900912
50	30	6	8900913	8900914	8900915
80	30	6	8900916	8900917	8900918



## WHERE WE ARE...

Fastenal is continuously considering new international locations based on customer needs and economic and political conditions.

Please feel free to discuss with us the potential for doing business in any country in which we are not currently located.

In those countries where Fastenal's physical presence is not yet a viable option, we are more than happy to support you through exports.



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# ***FAST Solutions***<sup>®</sup>

*Fastenal Automated Supply Technology*

**REDUCE  
CONSUMPTION**

**ELIMINATE  
INVENTORY**

**INCREASE  
PRODUCTIVITY**



## **WE ARE WHERE YOU ARE**

No matter where you are or what level of service you require, there's a nearby Fastenal branch to help.

Need a fast turnaround on an unplanned or catalog purchase? We've got you covered. But our local presence allows us to do a whole lot more — custom-stocking products to meet your needs, managing your bins or linestock, rushing over emergency orders and coming through with extraordinary service when you need it most.

In short, we are where you are, and we're ready to go the extra mile to help you achieve your business goals.

