



**RED HEAD®**  
**ADHESIVE ANCHORS**

# **SIMPLE CERTAINTY**

**WITH RED HEAD ADHESIVE  
ANCHOR SYSTEMS**



**VERSATILE ADHESIVE ANCHORS FOR  
CONCRETE AND MASONRY APPLICATIONS**

# SIMPLE CERTAINTY

## IN THE SELECTION AND INSTALLATION OF ADHESIVE ANCHORS

### ANCHOR SPECIFICATION, SIMPLIFIED.

Red Head reduces complexity by covering all your anchoring needs with fewer products. Backed by ICC-ES evaluation reports, this versatile offering simplifies specification work and provides added assurance that chemical anchors will perform to design expectations.

### ANCHOR INSTALLATION, CERTAINTY.

Selecting the wrong adhesive for the job is a key concern and common cause of anchor failure on the job site. The simplicity and versatility of Red Head's adhesive line minimizes the risk of picking the wrong adhesive for the anchoring application and job site conditions at hand.



## RED HEAD ADHESIVE ANCHORING SYSTEMS ARE DESIGNED FOR:

### RELIABLE PERFORMANCE

Red Head adhesives were formulated to go above-and-beyond industry standards. The performance of all of our adhesives is backed by ICC-ES evaluation reports and 55+ state DOT listings.

### BROAD APPLICATION COVERAGE

Whether its light-duty or heavy-duty, concrete or masonry, deep embedment holes or core-drilled holes, wet conditions or extreme temperatures, Red Head has an adhesive anchor solution.

### JOBSITE PRODUCTIVITY

Red Head knows that time = money, and our adhesives are here to help save some of both. No need to reschedule labor when the rain arrives, keep installing Red Head adhesives! The versatility of the Red Head product line means fewer products to train a crew on and fewer products to purchase and stock.





**A7+**

THE MOST VERSATILE  
QUICK-CURE

**C6+**





FOR THE MOST  
DEMANDING JOBS

**G5+**

EVERYDAY EPOXY

## SIMPLIFIED CHOICES MINIMIZE THE RISK OF INSTALLATION ERROR

Red Head products are engineered to provide the most versatility when it comes to providing superior bond strength across many material types and installation conditions, while meeting a wide array of code requirements.

 RED HEAD	 HILTI	 DeWALT	 SIMPSON Strong-Tie
<b>A7+</b>	HY 200-A HY 200-R HY 100 HY 70 HIT-ICE HY-10 PLUS	AC200+™ AC100+ GOLD™ AC50™	AT-XP® AT
<b>C6+</b>	RE 500 V3	Pure110+®	SET-XP®
<b>G5+</b>	RE 100 HTE 50	Pure50+™ PE1000+® PURE GP	SET® ET-HP® EDOT





**RED HEAD®**

**A7+**

## THE MOST VERSATILE QUICK-CURE

### MORE TYPES OF CONCRETE AND MASONRY



Saturated Concrete



Water-Filled and Submerged  
Holes



Install from 14° to 110°F



Seismic Zones A-F

### WIDER RANGE OF ENVIRONMENTAL CONDITIONS



Normal, Lightweight,  
and High-Strength Concrete



Cracked and Uncracked  
Concrete



Hollow and Grout-Filled  
Concrete Block



Brick, Stone, and Structural  
Clay Tile

### BROADER VARIETY OF ANCHORING APPLICATIONS

Rebar  
Dowelling

Structural Steel  
Framing

Railings and  
Architectural Metal

Brick Pinning

Concrete Block  
Reinforcement

Seismic  
Retrofitting

Traffic Barriers and  
Guardrails

Machinery  
Anchoring

## HOW VERSATILITY BENEFITS YOU

### INSTALL WITH CERTAINTY

Less risk of anchor failure from installers choosing the wrong adhesive for the substrate or application.

Less risk of anchor failure and rework from chemical anchors being installed in improper environmental conditions.

### BOOST PRODUCTIVITY

Eliminate delays and schedule disruptions caused by adverse weather conditions.

Speed up installation work since no time is required for drying holes in wet conditions.

### SIMPLIFY THE JOBSITE

Fewer products to manage in inventory and on the job site.

Using one versatile product minimizes time-consuming training and oversight.

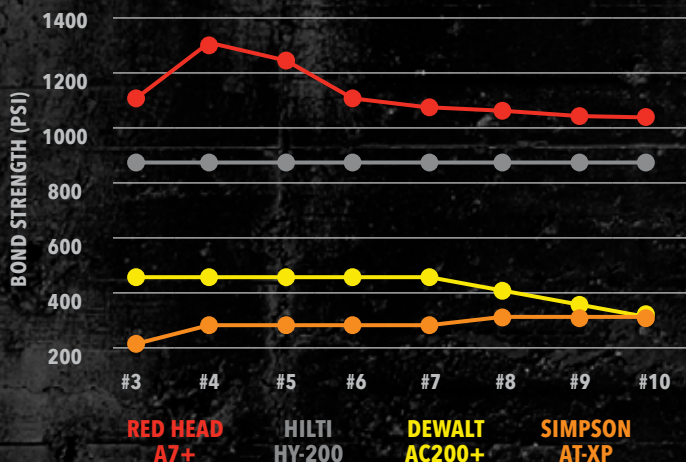


## ONE QUICK-CURE PRODUCT NOW DOES THE WORK OF MULTIPLE PRODUCTS

Red Head A7+ replaces the need for separate adhesive anchors for light, medium, and heavy-duty anchoring applications.

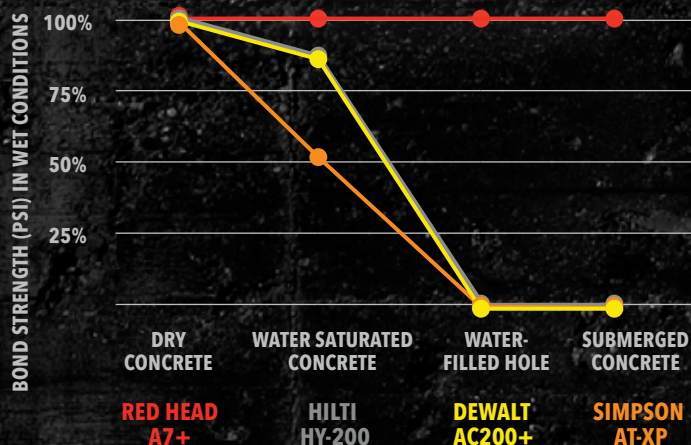
RED HEAD	HILTI	DEWALT	SIMPSON Strong-Tie
	HY200A (Accelerated)	AC200+	AT-XP
	HY200R (Regular)		
	HY100	AC100+ Gold	AT
	HY70 (Masonry)		
	HIT ICE (Cold Weather)	AC50 Silver	
	HY-10 Plus		

## A7+ DELIVERS SUPERIOR BOND STRENGTH IN SATURATED CONCRETE...



Data taken from evaluation reports listed on [www.icc-es.org](http://www.icc-es.org) as of 11/1/17. Based on Rebar in uncracked, saturated concrete with periodic inspection.

## ...AND MAINTAINS ITS STRENGTH EVEN IN WATER-FILLED AND SUBMERGED HOLES



Data taken from evaluation reports listed on [www.icc-es.org](http://www.icc-es.org) as of 11/1/17. Based on #6 rebar for uncracked concrete with periodic inspection. The bond strength for each product in wet conditions is represented above as a percentage of the performance of the same product in dry conditions.

## RIGOROUSLY TESTED. WIDELY APPROVED

### COMMON TECHNICAL SPECIFICATIONS

VISIT [WWW.ITW-REDHEAD.COM](http://WWW.ITW-REDHEAD.COM) FOR MORE INFORMATION

VARIABLE	SPEC
PRODUCT DESCRIPTION	High-strength, quick-cure structural concrete and masonry adhesive anchoring system
ADHESIVE TYPE	2-part injectable hybrid epoxy (10:1 ratio)
CARTRIDGE TYPES & SIZES	Durable and resealable cartridges available in 3 sizes: - 9.5oz coaxial cartridge (standard caulking tube) - 28oz. dual cartridge - 5oz coaxial cartridge
APPROVALS	- ICC-ES ESR 3903 (Concrete Report) - ICC-ES ESR 3951 (Masonry Report) - 2015, 2012, 2009, 2006 International Building Code (IBC) Compliant - Florida Building Code (FBC) - City of Los Angeles (COLA) - Extensive Department of Transportation (DOT) Listings - NSF/ANSI 61 Approval for use in drinking water system components - ASTM C881, Types I, II, IV, and V, Grade 3, Classes A, B, & C (meets Type III except elongation)
ANCHOR SIZES AND TYPES	- Threaded Rod: 1/4" - 1-1/2" - Rebar: #3-#11
WATER RESISTANCE	100% hydrophobic, suitable for use in saturated concrete and water-filled or submerged holes
APPLICATION TEMPERATURES	14° through 110°F (-10° through 43°C)
IN-SERVICE TEMPERATURES	-41° through 176°F (-41° through 80°C)
STORAGE LIFE & TEMPERATURE	18 months from date of manufacture when stored in 32° through 95°F (0° through 35°C)
COUNTRY OF ORIGIN	Made in France (28oz & 5oz kits packaged in the US)

## GEL & CURE TIMES FOR A7+

BASE MATERIAL	CURE TIME	GEL TIME	BASE MATERIAL
110	45 min	1.5 min	43
90	45 min	2.5 min	32
70	45 min	5 min	21
50	90 min	16 min	10
32	4 hrs	35 min	0
14	24 hrs	35 min	-10
°F			°C



ICC-ES ESR-3903  
2015 IBC COMPLIANT  
MASONRY APPROVED  
ICC-ES ESR-3951










**RED HEAD®**




**C6+**

## FOR THE MOST DEMANDING JOBS

### ENGINEERED FOR HARSH ENVIRONMENTS

-  The Strongest Adhesive in Red Head History
-  At Least 10 Minutes of Gel Time, Even in 110°F
-  Cures in Just 2 Hours at 110°F, in 2.75 Hours at 90°F

### TESTED TO THE EXTREME

-  Cracked Concrete and Seismic Zones A-F
-  Core-Drilled Holes, no Roughening Tool Required
-  Post-Installed Structural Rebar Dowelling

### FOR THE MOST DEMANDING APPLICATIONS

Seismic Retrofitting	Structural Anchoring
Core-Drilled Holes	Oversized Holes
Structural Rebar Dowelling	Overhead, Sustained Loads

## HOW PERFORMANCE BENEFITS YOU

### PERFECT SOLUTION FOR IMPERFECT CONDITIONS

Whether a user needs to core out a misplaced anchor, accidentally drilled an oversized hole, or picked a rainy day to start your job, Red Head C6+ has the performance needed to help conquer job site obstacles.

### SAME-SHIFT PRODUCTIVITY

With a 6.5 hour cure at 70°F, and just a 2 hour cure at 110°F, there is no need to wait until the next day to apply the load to the anchors.

There is no need for roughening when using C6+ in core-drilled holes, saving time and effort.

### SUPPORTING THE U.S. ECONOMY

Formulated, blended, and packaged in the US, by an American company.

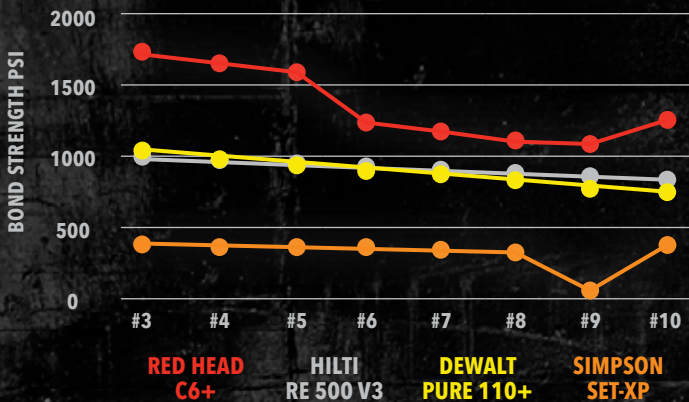
Fully complies with the Buy American Act, and the Federal American Recovery & Reinvestment Act.

Domestic manufacturing and local distribution ensures quick availability.



## MAXIMUM BOND STRENGTH, EVEN IN WET CONDITIONS

The high strength of Red Head C6+ helps insure anchor reliability.



Data taken from evaluation reports listed on [www.icc-es.org](http://www.icc-es.org) as of 11/1/17. Based on Rebar in uncracked, saturated concrete with periodic inspection."

## PERFORMS BETTER IN CORE DRILLED HOLES, EVEN IN CRACKED CONCRETE

Need proof that Red Head C6+ works in even the most demanding jobs? Red Head C6+ is the first adhesive to be approved by ICC-ES for use in core-drilled holes in cracked concrete without the need for a roughening tool.



Data taken from evaluation reports listed on [www.icc-es.org](http://www.icc-es.org) as of 11/1/17. Based on threaded rod in a core-drilled hole in cracked, saturated concrete, with periodic inspection.

## THE MOST APPROVALS OF ANY ADHESIVE IN RED HEAD'S HISTORY

### COMMON TECHNICAL SPECIFICATIONS

VISIT [WWW.ITW-REDHEAD.COM](http://WWW.ITW-REDHEAD.COM) FOR MORE INFORMATION

VARIABLE	SPEC
PRODUCT DESCRIPTION	High-strength structural concrete and masonry adhesive anchoring system
ADHESIVE TYPE	2-part injectable epoxy (2:1 ratio)
CARTRIDGE TYPES & SIZES	Durable and resealable cartridges available in 2 sizes: - 15.2oz. dual cartridge - 30.4oz. dual cartridge
APPROVALS	- ICC-ES ESR 4046 (Concrete Report) - ICC-ES ESR 4109 (Masonry Report) - 2015, 2012, 2009, 2006 International Building Code (IBC) Compliant - Florida Building Code (FBC) - City of Los Angeles (COLA) - Extensive Department of Transportation (DOT) Listings - NSF/ANSI 61 Approval for use in drinking water system components - ASTM C881, Types I, II, IV, and V, Grade 3, Classes B & C
ANCHOR SIZES AND TYPES	- Threaded Rod: 3/8" - 1-1/2" - Rebar: #3-#11
WATER RESISTANCE	Suitable for use in saturated concrete and water-filled or submerged holes
APPLICATION TEMPERATURES	40° through 110°F (4° through 43°C)
IN-SERVICE TEMPERATURES	-41° through 176°F (-41° through 80°C)
STORAGE LIFE & TEMPERATURE	24 months from date of manufacture when stored in 50° through 95°F (10° through 35°C)
COUNTRY OF ORIGIN	Made in USA with U.S. and global materials

## GEL & CURE TIMES FOR C6+

BASE MATERIAL	CURE TIME	GEL TIME	BASE MATERIAL
110	2 hrs	10 min	43
90	2.75 hrs	14 min	32
70	6.5 hrs	16 min	21
50	24 hrs	30 min	13
40	48 hrs	46 min	7
°F			°C



**MADE IN USA WITH U.S. AND GLOBAL MATERIALS**



**ICC-ES ESR-4046  
2015 IBC COMPLIANT  
MASONRY APPROVED  
ICC-ES ESR-4109**







**RED HEAD®**

**G5+**

## EVERYDAY EPOXY

### MORE CLIMATE COVERAGE



Cures in Concrete Temperatures Down to 40°F



At Least 10 Minutes of Gel Time, even in 110°F



Cures in Just 4 Hours at 110°F and 6 Hours at 90°F

### 3RD PARTY APPROVED



Cracked Concrete and Seismic Zones A-F



Tested Based on ICC-ES AC-308 and ACI-355.4



20+ State DOT Approvals

### MEDIUM-DUTY APPLICATIONS

On-Grade Dowelling

Traffic Barriers and Guardrails

Railings and Architectural Metal

Oversized Holes

Machinery Anchoring

Overhead, Sustained Loads

## HOW OUR USABILITY BENEFITS YOU

### MORE OPPORTUNITIES TO USE THE PRODUCT

The new Red Head G5+ cures 3 times faster than the legacy, general-purpose Epcon G5 formula, and works in concrete in temperatures 30° lower than before.

With a gel time of 10 minutes or more, G5+ can be used in deep embedment holes and hot temperatures.

### BEST-IN-CLASS BOND STRENGTH

The bond strength of G5+ in cracked concrete is at least 20% higher than other general-purpose epoxies\*:

Red Head G5+: 820 psi

Dewalt Pure50+: 658 psi

Hilti RE 100: 592 psi

Simpson ET-HP: 535 psi

\*Data taken from evaluation reports listed on [www.icc-es.org](http://www.icc-es.org) as of 11/1/17. Based on 1/2" threaded rod in dry concrete.

### SUPPORTING THE US ECONOMY

Formulated, blended, and packaged in the US, by an American company.

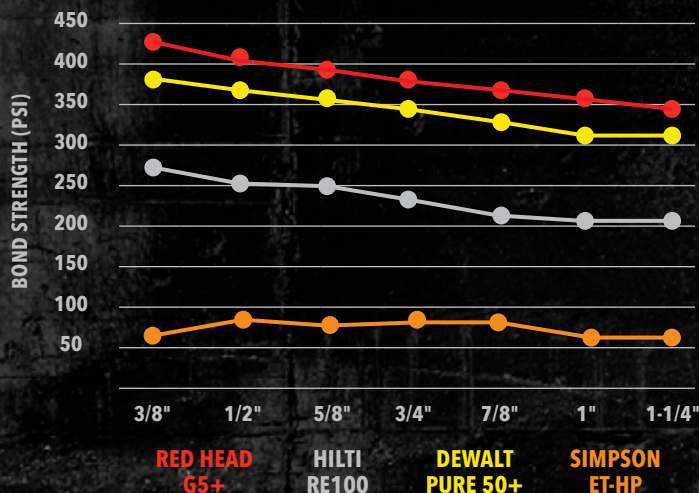
Fully complies with the Buy American Act and the Federal American Recovery & Reinvestment Act.

Domestic manufacturing and local distribution ensures quick availability.



## BEST-IN-CLASS BOND STRENGTH

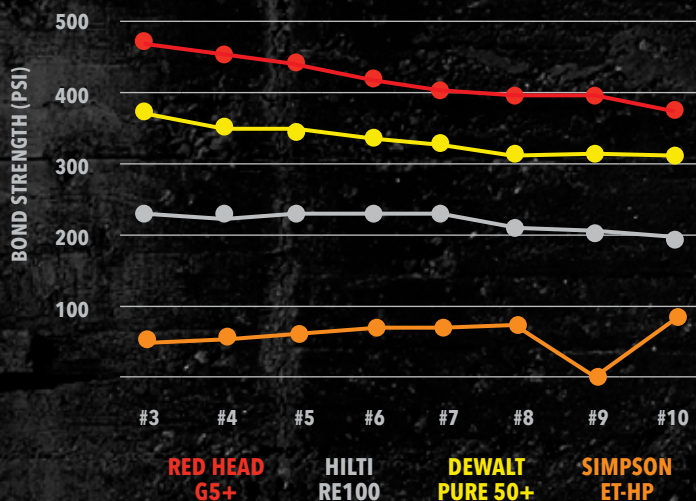
G5+ outperforms the competition when anchoring threaded rod.



Data taken from evaluation reports listed on [www.icc-es.org](http://www.icc-es.org) as of 11/1/17. Based on threaded rod in cracked, saturated concrete with seismic conditions and periodic inspection.

## RAISING THE (RE)BAR FOR EVERYDAY EPOXIES

G5+ also performs better in rebar dowelling (40% better than the legacy Epcon G5!).



Data taken from evaluation reports listed on [www.icc-es.org](http://www.icc-es.org) as of 11/1/17. Based on Rebar in cracked, saturated concrete with periodic inspection.

## RIGOROUSLY TESTED. WIDELY APPROVED

### COMMON TECHNICAL SPECIFICATIONS

VISIT [WWW.ITW-REDHEAD.COM](http://WWW.ITW-REDHEAD.COM) FOR MORE INFORMATION

VARIABLE	SPEC
PRODUCT DESCRIPTION	Medium-strength structural concrete adhesive anchoring system
ADHESIVE TYPE	2-part injectable epoxy (2:1 ratio)
CARTRIDGE TYPES & SIZES	Durable and resealable cartridges available in 2 sizes: - 15.20z. Dual cartridge - 30.40z. Dual cartridge
APPROVALS	- ICC-ES ESR 4138 (Concrete Report) - 2015, 2012, 2009, 2006 International Building Code (IBC) Compliant - Florida Building Code (FBC) - City of Los Angeles (COLA) - Extensive Department of Transportation (DOT) Listings - NSF/ANSI 61 approval for use in drinking water system components - ASTM C881, Types I, II, IV, And V, Grade 3, Classes B & C
ANCHOR SIZES AND TYPES	- Threaded rod: 3/8" - 1-1/2" - Rebar: #3-#11
WATER RESISTANCE	Suitable for use in saturated concrete and water-filled or submerged holes
APPLICATION TEMPERATURES	40° through 110°F (4° through 43°C)
IN-SERVICE TEMPERATURES	-41° through 176°F (-41° through 80°C)
STORAGE LIFE & TEMPERATURE	24 months from date of manufacture when stored in 50° through 95°F (10° through 35°C)
COUNTRY OF ORIGIN	Made in Usa with U.S. and global materials

## GEL & CURE TIMES FOR G5+

BASE MATERIAL	CURE TIME	GEL TIME	BASE MATERIAL
110	4 hrs	10 min	43
90	6 hrs	14 min	32
70	8 hrs	16 min	21
50	30 hrs	30 min	13
40	48 hrs	46 min	7
°F			°C



**MADE IN USA WITH U.S. AND GLOBAL MATERIALS**



ICC-ES ESR-4138  
2015 IBC COMPLIANT





# ORDERING INFORMATION

FOR RED HEAD ADHESIVES AND ACCESSORIES



## RED HEAD A7+ ADHESIVE ANCHORS

PART NO.	DESCRIPTION	BOX QTY.
<b>A7P-10</b>	Red Head A7+ 9.5oz Cartridge w/ Nozzle	6
<b>A7P-28</b>	Red Head A7+ 28oz Cartridge w/ Nozzle	4
<b>A7P-500KIT</b>	Red Head A7+ 5oz Kit w/ Hand Crank & Nozzle	8
<b>A7P-501 KIT</b>	Red Head A7+ 5oz Kit w/ Reuse Piston & Nozzle	8



## RED HEAD A7+ DISPENSING TOOLS

PART NO.	DESCRIPTION
<b>A100</b>	10oz. Manual Tool (A7P-10)
<b>A102-V3</b>	28oz HD Manual Tool (A7P-28)
<b>A200</b>	28oz Pneumatic Tool (A7P-28)
<b>A300</b>	28oz/30oz Battery Tool (A7P-28, C6P-30, G5P-30)



## DISPENSING ACCESSORIES

PART NO.	DESCRIPTION	BOX QTY.
<b>A245</b>	Short Nozzle	24
<b>S55</b>	Standard Nozzle	24
<b>E55</b>	Long Nozzle	24
<b>S75</b>	High-Flow Nozzle	24
<b>S75EXT</b>	Extension for High-Flow Nozzle	24
<b>E25-6</b>	6' Extension Tube	5
<b>E916-6</b>	Heavy Duty 6' Extension Tube (Fits Piston Plugs)	5
<b>PL-5834</b>	Piston Plug for 5/8" and 3/4" diameter anchors	10
<b>PL-7810</b>	Piston Plug for 7/8" and 1" diameter anchors	10
<b>PL-1250</b>	Piston Plug for 1-1/4" diameter anchors	10



## RED HEAD C6+ ADHESIVE ANCHORS

PART NO.	DESCRIPTION	BOX QTY.
<b>C6P-15</b>	Red Head C6+ 15.2oz Cartridge w/ Nozzle	6
<b>C6P-30</b>	Red Head C6+ 30.4oz Cartridge w/ Nozzle	4



## RED HEAD C6+/G5+ DISPENSING TOOLS

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
<b>D100</b>	15.2oz HD Manual Tool (C6P-15 and G5P-15)	<b>D202</b>	30.4oz Pneumatic Tool (C6P-30 and G5P-30)
<b>D102</b>	30.4oz HD Manual Tool (C6P-30 and G5P-30)	<b>D300</b>	15.2oz Battery Tool (C6P-15 and G5P-15)
<b>D200</b>	15.2oz Ergonomic Pneumatic Tool (C6P-15 and G5P-15)	<b>A300</b>	28oz/30oz Battery Tool (A7P-28, C6P-30, G5P-30)



## HOLE CLEANING ACCESSORIES

PART NO.	DESCRIPTION	BOX QTY.
<b>BP-10</b>	Manual Blow Pump	1
<b>WB-038</b>	Wire Brush for 3/8" Anchors	10
<b>WB-012</b>	Wire Brush for 1/2" Anchors	10
<b>WB-058</b>	Wire Brush for 5/8" Anchors	10
<b>WB-034</b>	Wire Brush for 3/4" Anchors	10
<b>WB-078</b>	Wire Brush for 7/8" Anchors	10
<b>WB-100</b>	Wire Brush for 1" Anchors	10
<b>WB-125</b>	Wire Brush for 1-1/4" Anchors	10
<b>B012</b>	Nylon Brush 1/2" Diameter (soft enough for Masonry)	1
<b>ESDS-38</b>	Wire Brush 12" Usable Extension with SDS+ Adaptor	1
<b>EHAN-38</b>	Wire Brush 12" Usable Extension with T-Handle	1



## RED HEAD G5+ ADHESIVE ANCHORS

PART NO.	DESCRIPTION	BOX QTY.
<b>G5P-15</b>	Red Head G5+ 15.2oz Cartridge w/ Nozzle	6
<b>G5P-30</b>	Red Head G5+ 30.4oz Cartridge w/ Nozzle	4



## MASONRY ACCESSORIES

PART NO.	DESCRIPTION	BOX QTY.
<b>HBU-38</b>	Umbrella Anchor for Hollow Block	20
<b>HBP 38-8</b>	3/8" Diameter by 8" length Nylon screen	25
<b>HB 34-8</b>	3/4" Diameter by 8" length Stainless Steel Screen	20
<b>HB38-312</b>	3/8" Diameter by 3.5" length Stainless Steel Screen	100
<b>HB12-312</b>	1/2" Diameter by 3.5" length Stainless Steel Screen	50
<b>HB58-412</b>	5/8" Diameter by 4.5" length Stainless Steel Screen	50

MORE MASONRY ACCESSORIES AVAILABLE. FOR A FULL LIST OF RED HEAD ACCESSORIES, PLEASE SEE THE RED HEAD CATALOG AT [WWW.ITWREDHEAD.COM](http://WWW.ITWREDHEAD.COM)



# OSHA<sup>®</sup> SILICA DUST REGULATION

## ITW RED HEAD<sup>®</sup> RECOMMENDS USING MILWAUKEE<sup>®</sup> SILICA DUST EXTRACTION SYSTEMS WHEN INSTALLING RED HEAD ANCHORS

While Red Head anchors can be safely used with most hammer drills and dust extraction systems, we recommend the Milwaukee<sup>®</sup> tools because of their superior performance and value. The options below help customers to stay in compliance with the new OSHA<sup>®</sup> regulation on respirable crystalline silica dust (29 CFR 1926.1153). Each customer should consult with its company's safety team or OSHA authority to determine the best solution. Visit [www.itwredhead.com](http://www.itwredhead.com) or [www.milwaukeeetool.com/silica-dust-extraction-solutions](http://www.milwaukeeetool.com/silica-dust-extraction-solutions) for more information.



## DUST EXTRACTION SOLUTIONS AVAILABLE FROM MILWAUKEE<sup>®</sup> DISTRIBUTORS:

DRILL TYPE	ATTACHMENT	EXTRACTION SYSTEM	OSHA COMPLIANCE METHOD	
			29 CFR 1926.1153 TABLE 1	OBJECTIVE DATA
ALL SDS PLUS ROTARY HAMMERS	M12™ HAMMERVAC™ UNIVERSAL DUST EXTRACTOR (2306-22)	INTEGRATED		•
	SDS PLUS VACUUM BITS	8 GALLON DUST EXTRACTOR (8960-20)	•	
	VACUUM ASSISTED DUST EXTRACTOR (5261-DE)		•	
ALL SDS MAX ROTARY HAMMERS	SDS MAX DUST EXTRACTION ATTACHMENT (5317-DE)		•	
	SDS MAX VACUUM BITS		•	

## VACUUM DRILL BITS AVAILABLE FROM MILWAUKEE<sup>®</sup> DISTRIBUTORS:

ANCHOR DIAMETER	MILWAUKEE ITEM#	MILWAUKEE PRODUCT NAME	DIAMETER (IN)	USABLE LENGTH (IN)	OVERALL LENGTH (IN)
3/8" or #3	48-20-2102	SDS+ VACUUM DRILL BIT 7/16X7-7/8X13	7/16	7-7/8	13
	48-20-2106	SDS+ VACUUM DRILL BIT 1/2X7-7/8X13	1/2	7-7/8	13
1/2"	48-20-2110	SDS+ VACUUM DRILL BIT 9/16X9-1/2X14	9/16	9-1/2	14
#4	48-20-2114	SDS+ VACUUM DRILL BIT 5/8X9-1/2X14	5/8	9-1/2	14
5/8" or #5	48-20-2118	SDS+ VACUUM DRILL BIT 3/4X9-1/2X14	3/4	9-1/2	14
	48-20-2100	SDS+ VACUUM DRILL BIT REPLACEMENT ADAPTER			
#4	48-20-2152	SDSMAX VACUUM DRILL BIT 5/8X15.75X23	5/8	15-3/4	23
5/8" or #5	48-20-2156	SDSMAX VACUUM DRILL BIT 3/4X15.75X23	3/4	15-3/4	23
3/4" or #6	48-20-2160	SDSMAX VACUUM DRILL BIT 7/8X15.75X23	7/8	15-3/4	23
7/8" or #7	48-20-2164	SDSMAX VACUUM DRILL BIT 1X17.5X25	1	17-1/2	25
1" or #8	48-20-2168	SDSMAX VACUUM DRILL BIT 1-1/8X27X35	1-1/8	27	35
1-1/4" or #10	48-20-2172	SDSMAX VACUUM DRILL BIT 1-3/8X27X35	1-3/8	27	35
	48-20-2150	SDSMAX VACUUM DRILL BIT REPLACEMENT ADAPTER			



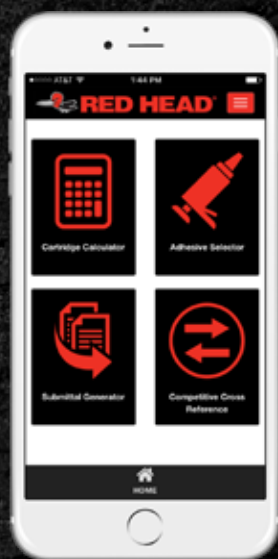


## ONLINE RESOURCES FOR DESIGNERS

Red Head provides you with free software for designing concrete connections in compliance with ACI 318 Appendix D/ Chapter 17.

VISIT [ITWREDHEAD.COM/TRUSPEC](http://ITWREDHEAD.COM/TRUSPEC)  
TO DOWNLOAD OR USE TRUSPEC 2.0 ONLINE

- Design concrete anchoring connections in minutes
- Calculate critical values for total strength design of anchor connections
- Predict mode of failure for anchor connections
- Model attachment with single or multiple anchor points, minimum edge distance, and minimum spacing distance



## MOBILE RESOURCES FOR CONTRACTORS

Curious how many cartridges to order for the next job? Looking for an easier way to create submittals? The Red Head app is here with an expanding set of mobile calculators and resources to simplify the jobsite.

AVAILABLE NOW AT [ITWCCNA.COM/CALCULATOR](http://ITWCCNA.COM/CALCULATOR)  
AND ON THE APP STORE

- Adhesive cartridge calculator
- Product selector
- Submittal generator
- Competitive Cross Reference



FOR MORE INFORMATION VISIT [ITWREDHEAD.COM](http://ITWREDHEAD.COM)

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