

PRODUCT SPOTLIGHT

HDQ8 VS. PHD8

With the wide choice of products available to you, it is often difficult to select the connector most appropriate for your application. With articles like this, we hope to help explain some of the differences between similar products to help you make the best choice.

For many reasons the HDQ8-SDS3 has become the holdown of choice when specifying for load applications above 6500 lbs. Introduced three years ago, many specifiers are choosing the HDQ8-SDS3 over the PHD8-SDS3 because of its many advantages including:

- **GREATER LOAD CAPACITY**

The HDQ8 has a capacity of 8325 lbs. versus 6730 lbs. for the PHD8.

- **LOWER INSTALLED COST**

The HDQ8 uses only 20 fasteners versus the 24 fasteners required in the PHD8. This saves the installer significant time and money in the field (See *Installed Cost Comparison chart, below right.*)

- **LOWER DEFLECTION**

The HDQ8 also has less deflection at .040 as compared to .051 for the PHD8.

- **GREATER FLEXIBILITY FOR SPECIFIER AND INSTALLER**

Another advantage that the HDQ8 has over the PHD8 is more flexibility in installation. The HDQ8 can be installed on the sill or raised off the sill with no reduction in deflection values.

- **COMPRESSION APPLICATIONS**

And finally, the HDQ8 can be specified

for a compression application by simply adding a nut/washer below the holdown.

For these many reasons, you may want to consider changing your specification from the PHD8 to the HDQ8 if it makes sense for your specific application.

At Simpson Strong-Tie we continue to expand and improve our product offering with an eye toward creating products that perform better and at the same time reduce the cost of construction. The HDQ8 is one example of how, through design improvements, we have been able to meet these objectives by designing a product that gets higher loads with fewer fasteners, ultimately saving the installer costs on the job. ■



Typical Installation of HDQ8

ADVANTAGES AT A GLANCE

Company	Product	Fasteners	Deflection	Allowable Loads	Code Reports
Simpson Strong-Tie	HDQ8-SDS3	20	.040	8325 lbs.	LA-25540 ER-5938
Simpson Strong-Tie	PHD8-SDS3	24	.051	6730 lbs.	LA-25300 ER-5328

INSTALLED COST COMPARISON

Product	Qty	Fasteners		Screw Diff.	Screw Cost	Labor to Install	Days to Install	Total \$ Saved
		HDQ8-SDS3	PHD8-SDS3					
HDQ8-SDS3	100	20	24	400	\$24.00	\$251.43	0.571	\$275.43

As you can see, because there are fewer screws in the product, installing 100 HDQ8s would save the installer \$275.43 when compared to the PHD8. (Labor costs are calculated at a fully-burdened rate of \$55 per hour.)

SERVICE UPDATE

SIMPSON TRAINING CONTINUES TO ADVANCE BUILDING STANDARDS

For the past several decades, Simpson Strong-Tie has made training customers a priority and has committed the resources necessary to provide some of the best industry training available. As the industry leader in structural system solutions, Simpson continues to offer its customers the most relevant and up-to-date training programs to help improve product installations and reduce the cost of construction.

Simpson's training efforts are founded on the company's mission to continually improve building standards and the safety of structures. Now with seven training facilities across North America, Simpson provides hundreds of complimentary classes to engineers, architects, builders and code officials each year. In 2003, Simpson trained more than 4,000 customers. The number of classes and attendees continues to grow annually.

Simpson's course offerings include a broad range of topics from anchor system installation and engineered wood frame construction to seismic and high wind design. Simpson also incorporates the latest building code updates and industry trends into its training curriculum. There are introductory courses as well as more advanced workshops for repeat and seasoned customers.



Simpson typically offers full-day workshops from 8 a.m. to 4 p.m. Classes are often tailored toward specific audiences to ensure that the training is appropriate and effective. Many courses are team-taught by

registered engineers to provide in-depth technical expertise in the subject matter. While much of the instruction is technical in nature, many real-life examples and hands-on demonstrations are provided to help attendees to fully understand the material presented. *(For a complete list of courses offered, visit www.strongtie.com/workshops.)*



"The workshops are very interactive," says Charlie Roesset, National Training Manager for Simpson Strong-Tie. "Depending on the course, students may have the opportunity to view product samples, or take part in product testing and installations."

Simpson's training courses have been well-received by professionals within the building community. "There's no other manufacturer who provides such extensive training programs as Simpson," says Roesset. "Specifiers and building officials have come to rely on these courses to keep abreast of the latest code updates and technical information."

Training participants receive a certificate of completion at the end of each workshop and may earn learning units or professional development hours (PDHs). Simpson is a registered education provider with a number of industry organizations and associations including CSI, AIA, SEA, ICBO, BIA, CABO, AIBO, ACIA, and AIBD.

Fred Bentzien, S.E. with BAE Structural Engineering, has been a regular attendee at Simpson's workshops. He says the training

keeps him informed of topics relevant to his industry and is a great way to keep up with his professional development hours. "Some of the courses offered by other groups are just not that interesting and they can be quite expensive. Simpson's programs are interesting, hands-on and free. It's the whole package."

Simpson's workshops are regularly updated to reflect changes in the industry. For the past year, the company has incorporated its research on corrosion and pressure-treated wood into its programs. With the phase out of CCA, alternative treatments have entered the marketplace that are generally more corrosive to steel connectors and fasteners. Simpson's training classes provide product solutions for many of the alternative types of pressure-treated wood.

Simpson Strong-Tie also provides training at customer locations. This past fall, Simpson launched a new training program for builders. The training classes are held at the job site and cover essential information on the correct installation of Simpson products. Simpson's builder training program is also a pilot module for the NAHB Research Center's National Housing Quality program. Simpson is on track to become the first certified participant in the Manufacturer's Training Certification program.

To learn more about Simpson's training programs or to sign up for a workshop, visit www.strongtie.com/workshops. ■

SIMPSON TRAINING FACILITY LOCATIONS

Northwest	Stockton, California
Southwest	Brea, California
Southeast	McKinney, Texas Jacksonville, Florida
Northeast	Columbus, Ohio
Canada	Langley, British Columbia Brampton, Ontario

CONTINUING EDUCATION & EVENTS

NORTHEAST

Architects, Engineers, Building Officials & Contractors

Novi, Michigan	Wednesday, April 7
Ft. Washington, Pennsylvania	Wednesday, April 14
Eagan, Minnesota	Wednesday, April 28
North Haven, Connecticut	Wednesday, May 12
North Haven, Connecticut	Thursday, May 13
Rochester, New York	Thursday, May 20
Plattsburgh, New York	Thursday, June 10

SOUTHEAST

Building Officials & Inspectors

McKinney, Texas	Friday, May 14
Jacksonville, Florida	Thursday, May 27

Design Professionals

McKinney, Texas	Thursday, June 3
Jacksonville, Florida	Wednesday, June 9

Contractor Distributors

McKinney, Texas	Friday, April 16
Jacksonville, Florida	Thursday, April 22

Lateral/Seismic Design & Construction

Kansas City, Missouri	Thur & Fri, April 29-30
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Designing with Simpson Anchor Systems

McKinney, Texas	Friday, June 4
Jacksonville, Florida	Thursday, June 10

NORTHWEST

Authorized Stocking Dealers

Stockton, California	Thursday, April 15
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Engineers, Architects & Specifiers

Stockton, California	Wednesday, June 9
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SOUTHWEST

Design Professionals

Brea, California	Thursday, April 8
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Building Officials

Brea, California	Thursday, May 6
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Contractor/Builder Developer

Brea, California	Thursday, June 10
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General Connector Technology – for All Audiences

San Luis Obispo, California	Friday, May 14
Albuquerque, New Mexico	Thursday, May 27
Santa Barbara, California	Wednesday, June 30

For more information regarding workshop content and for a complete schedule, visit the Workshops and Training section of our Web site at www.strongtie.com/workshops.

NEWS UPDATE

PRESSURE-TREATED WOOD AND CORROSION

In our last issue, we did an extensive article on the corrosive effects of some of the alternative chemicals used in pressure treated woods. Since this topic continues to be a concern in the industry, we wanted to remind you that you can always get the latest information on this topic by visiting our Web site at www.strongtie.com/info.

To address the corrosion issue, Simpson Strong-Tie continues to conduct testing and collaborate with industry leaders to find solutions to the problem. We have expanded our line of ZMAX (G185) and stainless steel connectors, and continue to provide the latest information on the topic on our Web site. Simpson's Technical bulletin "Preservative Treated Wood" can also be printed from the site. As we learn more, we will keep you posted. ■

Structural Report is published by Simpson Strong-Tie Co., Inc. All information is meant to be relevant and useful. However, information provided is for general understanding only. All designs or other information should be evaluated by a qualified design professional.

MAILING LIST

To revise your mailing information or to add to the mailing list, sign up on our Web site at www.strongtie.com/newsletter/.

TRAINING & EVENTS

NEW PRODUCTS LAUNCHED AT UPCOMING TRADE SHOWS

Simpson Strong-Tie's new product line – the Architectural Products Group – will be launched at the upcoming American Institute of Architects (AIA) show June 10, 11 and 12 at McCormick Place in Chicago.

The Architectural Products Group consists of aesthetically pleasing, yet structurally-sound products. The line consists of a wide variety of products including post caps and bases, straps and ties, and hidden connectors that have a durable and elegant black powder-coat finish.

The Architectural Products Group offers a visual design element for commercial and residential products. We'll feature this new

line in the next issue of the *Structural Report*. In the meantime, visit our booth – #1132 – at the show.

Simpson Strong-Tie will also have a booth at the upcoming Pacific Coast Builders Conference (PCBC). We will feature many of our new and innovative product and service offerings.

The show will be held June 15-18th at the Moscone Center in San Francisco. Visit us at booth #1423. ■



Simpson Strong-Tie's new Architectural Products Group

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