

# ICC-ES Evaluation Report

**ESR-2523**

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Index Report

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**DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES**  
**Section: 06 05 23—Wood, Plastic and Composite Fastenings**

**REPORT HOLDER:**

**SIMPSON STRONG-TIE COMPANY INC.**  
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PLEASANTON, CALIFORNIA 94588  
(800) 999-5099  
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**EVALUATION SUBJECT:**

**INDEX OF SIMPSON STRONG-TIE STAMPED AND WELDED COLD-FORMED STEEL PRODUCTS FOR WOOD OR COLD-FORMED STEEL CONSTRUCTION**

**1.0 EVALUATION SCOPE**

This evaluation report provides a cross-reference index for Simpson Strong-Tie stamped and welded cold-formed steel products for wood and cold-formed steel construction

that are labeled with evaluation report number ESR-2523. The products are cross-referenced to the evaluation reports that provide product descriptions, installation requirements, the codes under which the specific products are recognized, allowable loads, names of the inspection agencies (for welded products), and limitations on use of the specific products.

**2.0 IDENTIFICATION**

The products noted in this evaluation report are labeled with evaluation report number ESR-2523 and with information as specified in the applicable evaluation report for the product. Welded products must be labeled with the name of the inspection agency, when required by the evaluation report on the product.

**SIMPSON STRONG-TIE PRODUCT CROSS-REFERENCE INDEX FOR STAMPED AND WELDED COLD-FORMED STEEL PRODUCTS FOR WOOD OR COLD-FORMED STEEL CONSTRUCTION**

SERIES	REPORT NUMBER	MODEL				
A series	<a href="#">ESR-3096</a>	A21 A23	A33	A34	A35	A44
ABA series	<a href="#">ESR-1622</a> <a href="#">ESR-3096</a>	ABA44 ABA44R	ABA46	ABA46R	ABA66	ABA66R
ABU series	<a href="#">ESR-1622</a> <a href="#">ESR-3096</a>	ABU44	ABU46	ABU66	ABU88	
ABWZ series	<a href="#">ESR-1622</a>	ABW44Z ABW44RZ	ABW46Z	ABW46RZ	ABW66Z	ABW66RZ
AC series	<a href="#">ESR-2604</a> <a href="#">ESR-3096</a>	AC4	AC4R	AC6	AC6R	
ACE series	<a href="#">ESR-2604</a>	ACE4	ACE6			
AHEP series	<a href="#">ESR-2605</a>	AHEP				
B series	<a href="#">ESR-2615</a>	B1.56/11.25 B1.56/11.88 B1.56/9.25 B1.81/11.88 B1.81/14 B1.81/16 B1.81/9.5 B2.37/11.25 B2.37/11.88 B2.37/14 B2.37/16 B2.37/18 B2.37/20 B2.56/11.88 B2.56/14 B2.56/16 B2.56/18	B2.56/20 B2.56/22 B2.56/24 B2.56/26 B2.56/28 B2.56/30 B3.12/11.25 B3.12/11.88 B3.12/9.25 B3.56/11.25 B3.56/11.88 B3.56/12 B3.56/14 B3.56/16 B3.56/18 B3.56/20 B3.56/22	B3.56/24 B3.56/26 B3.56/28 B3.56/30 B3.56/9.25 B3.56/9.5 B38 B310 B312 B314 B316 B4.75/11.88 B4.75/14 B4.75/16 B4.75/18 B4.75/20 B4.75/9.5	B410 B412 B414 B416 B48 B5.12/11.88 B5.12/14 B5.12/16 B5.12/18 B5.12/20 B5.12/22 B5.12/24 B5.12/26 B5.12/28 B5.12/30 B5.12/9.5 B5.31/18	B610 B612 B614 B616 B68 B7.12/11.25 B7.12/11.88 B7.12/14 B7.12/16 B7.12/18 B7.12/20 B7.12/22 B7.12/24 B7.12/26 B7.12/28 B7.12/9.25 B7.12/9.5
BA series	<a href="#">ESR-2615</a>	BA1.81/11.88 BA2.56/11.88	BA2.56/14 BA2.56/16	BA3.56/11.88 BA3.56/14	BA3.56/16 BA410	BA412 BA48
BC/S series	<a href="#">ESR-2604</a> <a href="#">ESR-3096</a>	BC4 BC46	BC4R BC40	BC6 BC6R	BC8 BC60	BCS2-2/4 BCS2-3/6
CB series	<a href="#">ESR-3050</a>	CB44	CB46	CB48	CB66	CB68
CBSQ series	<a href="#">ESR-3050</a>	CBSQ44	CBSQ46	CBSQ66	CBSQ86	CBSQ88
CC series	<a href="#">ESR-2604</a>	CC31/4-4 CC31/4-6 CC44 CC46	CC51/4-4 CC51/4-6 CC51/4-8 CC64	CC66 CC68 CC76 CC77	CC78 CC86 CC88 CC96	CC98 CC106
CCQ/ECCQ series	<a href="#">ESR-2604</a>	CCQ3-4-SDS2.5 CCQ3-6-SDS2.5 CCQ44-SDS2.5	CCQ46-SDS2.5 CCQ48-SDS2.5 CCQ54-SDS2.5	CCQ56-SDS2.5 CCQ58-SDS2.5 CCQ64-SDS2.5	CCQ66-SDS2.5 CCQ68-SDS2.5 CCQ74-SDS2.5	CCQ76-SDS2.5 CCQ77-SDS2.5 CCQ78-SDS2.5
CMST series	<a href="#">ESR-2105</a>	CMST12	CMST14			
CMSTC series	<a href="#">ESR-2105</a>	CMSTC16				
CS series	<a href="#">ESR-2105</a>	CS14	CS16	CS18	CS20	CS22
CTS series	<a href="#">ESR-2105</a>	CTS218				
DHU series	<a href="#">ESR-2552</a>	DHU1.81/11.88 DHU1.81/14 DHU1.81/16 DHU1.81/9.5 DHU2.1/11.88 DHU2.1/14 DHU2.1/16 DHU2.1/9.5 DHU2.37/11.88	DHU2.37/14 DHU2.37/16 DHU2.37/18 DHU2.37/20 DHU2.37/9.5 DHU2.56/11.88 DHU2.56/14 DHU2.56/16	DHU2.56/18 DHU2.56/20 DHU2.56/9.5 DHU3.56/11.88 DHU3.56/14 DHU3.56/16 DHU3.56/18 DHU3.56/20	DHU3.56/22 DHU3.56/24 DHU3.56/9.5	
DHUTF series	<a href="#">ESR-2552</a>	DHU1.81/11.88TF DHU1.81/14TF DHU1.81/16TF DHU1.81/9.5TF DHU2.1/11.88TF DHU2.1/14TF DHU2.1/16TF	DHU2.1/9.5TF DHU2.37/11.88TF DHU2.37/14TF DHU2.37/16TF DHU2.37/18TF DHU2.37/20TF DHU2.37/9.5TF	DHU2.56/11.88TF DHU3.56/11.88TF DHU2.56/14TF DHU2.56/16TF DHU2.56/18TF DHU2.56/20TF DHU2.56/9.5TF	DHU3.56/14TF DHU3.56/16TF DHU3.56/18TF DHU3.56/20TF DHU3.56/22TF DHU3.56/24TF DHU3.56/9.5TF	
DTT series	<a href="#">ESR-2330</a>	DTT2				
DJT series	<a href="#">ESR-3096</a>	DJT14	DJT14Z			

**SIMPSON STRONG-TIE PRODUCT CROSS-REFERENCE INDEX FOR STAMPED AND WELDED COLD-FORMED STEEL PRODUCTS FOR WOOD OR COLD-FORMED STEEL CONSTRUCTION**

SERIES	REPORT NUMBER	MODEL				
DSC series	<a href="#">ESR-2605</a>	DSC2R-SDS3	DSC2L-SDS3	DSC5RSDS3	DSC5L-SDS3	
DSP series	<a href="#">ESR-2613</a>	DSP				
DU series	<a href="#">ESR-2552</a>	DU1.81/11.88 DU1.81/14 DU1.81/16 DU1.81/9.5	DU2.1/11.88 DU2.1/14 DU2.1/16 DU2.1/9.5	DU2.37/11.88 DU2.37/14 DU2.37/9.5		
EG series	<a href="#">ESR-2615</a>	EG5	EG7	EG9		
EGQ series	<a href="#">ESR-2615</a>	EGQ3.62 – SDS3	EGQ5.50 – SDS3	EGQ7.25 – SDS3		
EPB series	<a href="#">ESR-3050</a>	EPB44A	EPB46	EPB66	EPB44	
EPC series	<a href="#">ESR-3096</a> <a href="#">ESR-2604</a>	EPC44-16	EPC44	EPC4Z	EPC4RZ	EPC6Z EPC6RZ
EPS series	<a href="#">ESR-3050</a>	EPS4Z				
F series	<a href="#">ESR-2607</a>	F26P	F24-2	F26-2	F44	F46
FHA series	<a href="#">ESR-2105</a>	FHA6 FHA9	FHA12	FHA18	FHA24	FHA30
FJA series	<a href="#">ESR-2616</a>	FJA				
FRFP series	<a href="#">ESR-2616</a>	FRFP				
FSA series	<a href="#">ESR-2616</a>	FSA				
FTA series	<a href="#">ESR-2613</a>	FTA2	FTA5	FTA7		
GA series	<a href="#">ESR-3096</a>	GA1	GA2			
GB series	<a href="#">ESR-2615</a>	GB3	GB5	GB7		
GBC series	<a href="#">ESR-2605</a>	GBC				
GH series	<a href="#">ESR-2616</a>	GH46-6	GH46-8	GH48-6	GH48-8	
GLB series	<a href="#">ESR-2616</a> <a href="#">ESR-2877</a>	GLB5A GLB5B	GLB5C GLB5D	GLB7A GLB7B	GLB7C GLB7D	
GLBT series	<a href="#">ESR-2616</a> <a href="#">ESR-2877</a>	GLBT512 GLBT612	GLBT516	GLBT616	GLBT520	GLBT620
GLS series	<a href="#">ESR-2615</a>	GLS3-5 GLS3-7	GLS3-9 GLS5-5	GLS5-7 GLS5-9	GLS7-7 GLS7-9	
GLT series	<a href="#">ESR-2615</a>	GLT3	GLT4	GLT5	GLT6	GLT7
GLTV series	<a href="#">ESR-2615</a>	GLTV3 GLTV3.59 GLTV3.511 GLTV3.512 GLTV3.514 GLTV3.516 GLTV3.518 GLTV3.520 GLTV3.56/9.25 GLTV3.56/11.25 GLTV3.56/11.5 GLTV3.56/12.5	GLTV3.56/13.25 GLTV3.56/15.25 GLTV3.56/18.75 GLTV3.56/19 GLTV3.62 GLTV4 GLTV4.50 GLTV5 GLTV5.37 GLTV5.50/9.25 GLTV5.50/11.25	GLTV5.50/13.25 GLTV5.50/15.25 GLTV5.50/18.75 GLTV5.50/19 GLTV5.59 GLTV5.511 GLTV5.512 GLTV5.514 GLTV5.516 GLTV5.518 GLTV5.520	GLTV6 GLTV7 GLTV7.12 GLTV7.12/19 GLTV49.25-2 GLTV49.5-2 GLTV411.25-2 GLTV411.88-2 GLTV412-2 GLTV418.75-2 GLTV414-2	GLTV416-2 GLTV418-2 GLTV420-2 GLTV422-2 GLTV424-2 GLTV426-2 GLTV428-2 GLTV430-2 GLTV3520-2 GLTV3522-2 GLTV3524-2
H series	<a href="#">ESR-2613</a> <a href="#">ESR-3096</a>	H1 H10 H10R H10-2	H8 H2 H2.5 H2.5A	H3 H5 H4	H6 H7Z H10A	H15 H15-2
HB series	<a href="#">ESR-2615</a>	HB1.81/11.25 HB1.81/11.88 HB1.81/14 HB1.81/16 HB1.81/18 HB1.81/20 HB2.56/22 HB2.56/24 HB2.56/26 HB2.56/28 HB2.56/30 HB3.56/11.25 HB3.56/11.88 HB3.56/12	HB3.56/14 HB3.56/16 HB3.56/18 HB3.56/20 HB3.56/22 HB3.56/24 HB3.56/26 HB3.56/28 HB3.56/30 HB3.56/32 HB3.56/9.25 HB3.56/9.5 HB4.75/10 HB4.75/12	HB4.75/14 HB4.75/16 HB4.75/18 HB4.75/20 HB412 HB414 HB416 HB5.12/11.88 HB5.12/14 HB5.12/16 HB5.12/18 HB5.12/20 HB5.12/22 HB5.12/24	HB5.12/26 HB5.12/28 HB5.12/30 HB5.50/11.25 HB5.50/11.88 HB5.50/12 HB5.50/14 HB5.50/16 HB5.50/18 HB5.50/20 HB5.50/9.25 HB5.50/9.5 HB7.12/11.25 HB7.12/11.88	HB7.12/14 HB7.12/16 HB7.12/18 HB7.12/20 HB7.12/22 HB7.12/24 HB7.12/26 HB7.12/28 HB7.12/9.25 HB7.12/9.5
HHBD	<a href="#">ESR-2615</a>	HHBD3	HHBD5	HHBD7		

**SIMPSON STRONG-TIE PRODUCT CROSS-REFERENCE INDEX FOR STAMPED AND WELDED COLD-FORMED  
STEEL PRODUCTS FOR WOOD OR COLD-FORMED STEEL CONSTRUCTION**

SERIES	REPORT NUMBER	MODEL				
HCA series	<a href="#">ESR-2607</a>	HCA5-5 HCA5-6 HCA5-7 HCA5-9	HCA7-5 HCA7-6 HCA7-7 HCA7-9	HCA9-5 HCA9-6 HCA9-7 HCA9-9	HCA11-5 HCA11-6 HCA11-7 HCA11-9	
HCP series	<a href="#">ESR-2551</a>	HCP2	HCP1.81	HCP4		
HDC series	<a href="#">ESR-2330</a>	HDC10/22	HDC10/4			
HDQ series	<a href="#">ESR-2330</a>	HDQ8				
HDU series	<a href="#">ESR-2330</a>	HDU2 HDU4	HDU5	HDU8	HDU11	HDU14
HFN series	<a href="#">ESR-2607</a>	HF24N	HF26N	HF34N	HF36N	
HGB series	<a href="#">ESR-2615</a>	HGB5	HGB7			
HGLB series	<a href="#">ESR-2616</a> <a href="#">ESR-2877</a>	HGLBA	HGLBB	HGLBC	HGLBD	
HGLS series	<a href="#">ESR-2615</a>	HGLS5	HGLS7	HGLS9		
HGLT series	<a href="#">ESR-2615</a>	HGLT3 HGLT4	HGLT5 HGLT6	HGLT7	HGLT8	HGLT9
HGLTV series	<a href="#">ESR-2615</a>	HGLTV3 HGLTV3.59 HGLTV3.511 HGLTV3.512 HGLTV3.514 HGLTV3.516 HGLTV3.518 HGLTV3.520 HGLTV3.56/9.25 HGLTV3.56/11.25 HGLTV3.56/11.5 HGLTV3.56/18.75 HGLTV3.56/19	HGLTV3.62 HGLTV4 HGLTV4.50 HGLTV5 HGLTV5.37 HGLTV5.50/11.5 HGLTV5.50/12.5 HGLTV5.50/18.75 HGLTV5.50/19 HGLTV5.59 HGLTV5.511 HGLTV5.512	HGLTV5.514 HGLTV5.516 HGLTV5.518 HGLTV5.520 HGLTV6 HGLTV7 HGLTV7.12 HGLTV7.12/11.5 HGLTV7.12/12.5 HGLTV7.12/18.75 HGLTV7.12/19 HGLTV7.12/22 HGLTV7.12/24	HGLTV411.25-2 HGLTV411.88-2 HGLTV412-2 HGLTV414-2 HGLTV416-2 HGLTV418-2 HGLTV420-2	HGLTV426-2 HGLTV428-2 HGLTV430-2 HGLTV432-2 HGLTV3526-2 HGLTV3528-2 HGLTV3530-2
HGT series	<a href="#">ESR-2613</a> <a href="#">ESR-2877</a> <a href="#">ESR-2616</a>	HGT-2	HGT-3	HGT-4		
HGU series	<a href="#">ESR-2552</a>	HGU3.63-SDS HGU5.25-SDS	HGU5.50-SDS HGU5.62-SDS	HGU7.00-SDS HGU7.25-SDS	HGU9.00-SDS	
HGUS series	<a href="#">ESR-2549</a> <a href="#">ESR-2552</a>	HGUS26-2 HGUS28-2 HGUS210-2 HGUS46 HGUS2.75/10 HGUS2.75/12 HGUS2.75/14 HGUS3.25/10	HGUS3.25/12 HGUS48 HGUS410 HGUS412 HGUS414 HGUS26-3 HGUS28-3 HGUS210-3	HGUS212-3 HGUS5.25/10 HGUS5.25/12 HGUS5.5/8 HGUS214-3 HGUS26-4 HGUS28-4 HGUS210-4	HGUS5.62/10 HGUS5.62/12 HGUS5.62/14 HGUS6.88/10 HGUS5.5/10 HGUS5.5/12 HGUS5.5/14 HGUS6.88/12	HGUS6.88/14 HGUS212-4 HGUS214-4 HGUS7.25/8 HGUS7.25/10 HGUS7.25/12 HGUS7.25/14
HHB series	<a href="#">ESR-2615</a>	HHB3 HHB412 HHB414 HHB416	HHB5 HHB68 HHB610 HHB612	HHB614 HHB616 HHB7	HHB812 HHB814 HHB816	HHB418 HHB618
HHDQ series	<a href="#">ESR-2330</a>	HHDQ11	HHDQ14			
HHGU series	<a href="#">ESR-2552</a>	HHGU5.50-SDS	HHGU5.62-SDS	HHGU7.00-SDS	HHGU7.25-SDS	HHGU9.00-SDS
HHUS series	<a href="#">ESR-2549</a> <a href="#">ESR-2552</a>	HHUS26-2 HHUS28-2	HHUS210-2 HHUS46	HHUS48 HHUS410	HHUS5.50/10 HHUS7.25/10	
HIT series	<a href="#">ESR-2615</a>	HIT318 HIT320 HIT322	HIT324 HIT326 HIT3518	HIT3520 HIT418 HIT420	HIT422 HIT424 HIT426	HIT3522 HIT3524 HIT3526
HPA series	<a href="#">ESR-2920</a>	HPA28	HPA35			
HRC series	<a href="#">ESR-2551</a>	HRC22	HRC1.81	HRC42	HRC44	
HRS series	<a href="#">ESR-3096</a>	HRS6	HRS8	HRS12		
HS series	<a href="#">ESR-2613</a>	HS24				
HSA series	<a href="#">ESR-2607</a>	HSA32	HSA41	HSA50	HSA59	HSA68
HSS series	<a href="#">ESR-2608</a>	HSS2-SDS1.5	HSS2-2-SDS3	HSS2-3-SDS3	HSS4-SDS3	
HST series	<a href="#">ESR-2105</a>	HST2	HST3	HST5	HST6	

**SIMPSON STRONG-TIE PRODUCT CROSS-REFERENCE INDEX FOR STAMPED AND WELDED COLD-FORMED STEEL PRODUCTS FOR WOOD OR COLD-FORMED STEEL CONSTRUCTION**

SERIES	REPORT NUMBER	MODEL				
HSUR/L series	<a href="#">ESR-2549</a> <a href="#">ESR-2552</a>	HSUR/L210-2 HSUR/L214-2 HSUR/L46 HSUR/L410	HSUR/L414 HSUR/L26-2 HSUR/L4.12/9 HSUR/L4.12/11	HSUR/L4.12/14 HSUR/L4.12/16 HSUR/L4.28/9 HSUR/L4.28/11	HSUR/L4.75/9 HSUR/L4.75/11 HSUR/L4.75/14 HSUR/L4.75/16	HSUR/L5.12/9 HSUR/L5.12/11 HSUR/L5.12/14 HSUR/L5.12/16
HTP series	<a href="#">ESR-3096</a>	HTP37Z				
HTS series	<a href="#">ESR-2613</a>	HTS16 HTS20	HTS24	HTS28	HTS30	HTS30C
HTU series	<a href="#">ESR-2549</a>	HTU26 HTU28	HTU210	HTU26-2	HTU28-2	HTU210-2
HU series	<a href="#">ESR-2549</a> <a href="#">ESR-2552</a>	HU26 HU26-3 HU28 HU210 HU212 HU214 HU216 HU34 HU36 HU38 HU310 HU312 HU314 HU1.81/5 HU7 HU9 HU11	HU14 HU2.1/9 HU2.1/11 HU359 HU3511 HU3514 HU3516/22 HU3524/30 HU316 HU44 HU46 HU48 HU410 HU412 HU414 HU416 HU66	HU68 HU610 HU2.75/10 HU2.75/12 HU2.75/14 HU2.75/16 HU3.25/10.5 HU3.25/12 HU612 HU614 HU616 HU24-2 HU26-2 HU28-2 HU210-2 HU212-2	HU214-2 HU216-2 HU310-2 HU4.12/9 HU4.12/11 HU312-2 HU314-2 HU210-3 HU210-4 HU212-3 HU214-3 HU216-3 HU4.28/9 HU28/11 HU4.75/9 HU4.75/11 HU3514-2	HU3516-2 HU5.125/12 HU5.125/13.5 HU5.125/16 HU410-2 HU412-2 HU414-2 HU88 HU810 HU812 HU814 HU816 HU3520-2
HUCQ series	<a href="#">ESR-2552</a>	HUCQ1.81/9-SDS HUCQ1.81/11-SDS	HUCQ410-SDS HUCQ412-SDS	HUCQ5.25/9-SDS HUCQ5.25/11-SDS	HUCQ610-SDS HUCQ612-SDS	
HUS series	<a href="#">ESR-2549</a> <a href="#">ESR-3096</a> <a href="#">ESR-2552</a>	HUS26 HUS28 HUS210	HUS46 HUS48 HUS410	HUS412 HUS26-2	HUS28-2 HUS1.81/10	HUS210-2 HUS212-2
HUSTF series	<a href="#">ESR-2553</a>	HUS26-2TF HUS28-2TF	HUS210-2TF HUS212-2TF	HUS214-2TF HUS46TF	HUS48TF HUS410TF	HUS412TF HUS414TF
HUTF series	<a href="#">ESR-2553</a>	HU24TF HU26TF HU28TF HU210TF HU212TF HU214TF HU216TF HU34TF	HU36TF HU38TF HU310TF HU312TF HU314TF HU316TF HU24-2TF HU26-2TF	HU28-2TF HU210-2TF HU212-2TF HU214-2TF HU216-2TF HU44TF HU46TF HU48TF	HU410TF HU412TF HU414TF HU416TF HU210-3TF HU212-3TF HU214-3TF HU216-3TF	HU66TF HU68TF HU610TF HU612TF HU614TF HU616TF
HW/HWI series	<a href="#">ESR-2553</a> <a href="#">ESR-2615</a>	HW2.75/9.25 HW2.75/9.5 HW2.75/11.88 HW2.75/12 HW2.75/16 HW2.75/14 HW3.25 HW5.25 HW9.25-2 HW9.5-2 HW46 HW48 HW66 HW68 HW86 HW88 HW29.25-2 HW29.5-2 HW211.25-2 HW211.88-2	HW410 HW412 HW414 HW416 HW5.12X HW5.25 HW5.25/10.5 HW5.25/12 HW5.25/13.5 HW5.25/15 HW5.25/16.5 HW5.25/18 HW5.50X HW610 HW612 HW614 HW616 HW810 HW812 HW814 HW816	HW3512-2 HW3514-2 HW3516-2 HW3518-2 HW3520-2 HW3522-2 HW3524 HW3524-2 HW3526 HW3526-2 HW3528 HW3528-2 HW3530 HW3530-2 HWI49.25 HWI49.25-2 HWI49.5 HWI49.5-2 HWI310 HWI310-2 HWI312	HWI312-2 HWI314 HWI314-2 HWI316 HWI316-2 HWI318 HWI318-2 HWI320 HWI320-2 HWI322 HWI322-2 HWI324 HWI324-2 HWI-326 HWI-326-2 HWI328 HWI330 HWI411.25 HWI411.25-2 HWI411.88 HWI411.88-2	HWI412 HWI414 HWI414-2 HWI416 HWI416-2 HWI418 HWI418-2 HWI420 HWI420-2 HWI422 HWI422-2 HWI424 HWI424-2 HWI426 HWI426-2 HWI428 HWI428-2 HWI430 HWI430-2 HWI432 HWI432-2
HWP/HWPH series	<a href="#">ESR-2615</a>	HWP	HWPH			

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SERIES	REPORT NUMBER	MODEL				
HWU series	<a href="#">ESR-2553</a> <a href="#">ESR-2615</a>	HWU410	HWU2.75/14	HWU3.56/16	HWU4.75X	HWU7.12X
		HWU2.31X	HWU2.75/16	HWU3.56/18	HWU5.12X	HWU7.12/11.85
		HWU2.56X	HWU412	HWU3.56/19	HWU5.25	HWU7.12/11.88
		HWU2.56/14	HWU3.12X	HWU3.56/20	HWU5.50/9.25	HWU7.12/12
		HWU2.56/16	HWU3.25	HWU3.56/22	HWU5.50/9.5	HWU7.12/14
		HWU2.56/18	HWU3.56/9.25	HWU3.56/24	HWU5.50/11.25	HWU7.12/18
		HWU2.56/20	HWU3.3X	HWU3.56/26	HWU5.50/11.88	HWU7.12/20
		HWU2.6	HWU3.56/11.25	HWU3.56/28	HWU5.50/12	HWU7.12/7.25
		HWU2.75/9.25	HWU3.56/11.88	HWU3.56/30	HWU5.50/14	HWU7.12/9.25
		HWU2.75/9.5	HWU3.56/14	HWU3.56/32	HWU5.50/16	HWU7.12/9.5
		HWU2.75/11.25	HWU414	HWU416	HWU5.50/18	
HWU2.75/11.88	HWU3.56/12	HWU3.56/9.5	HWU5.50/20			
ITS series	<a href="#">ESR-2615</a>	ITS1.56/9.5	ITS1.81/16	ITS2.37/14	ITS2.56/14	ITS3.56/13
		ITS1.56/11.88	ITS2.06/9.5	ITS2.37/16	ITS2.56/16	ITS3.56/14
		ITS1.56/14	ITS2.06/11.88	ITS2.56/9.37	ITS3.56/9.25	ITS3.56/16
		ITS1.56/16	ITS2.06/14	ITS2.56/9.5	ITS3.56/9.5	
		ITS1.81/9.5	ITS2.06/16	ITS2.56/11.25	ITS3.56/9.37	
		ITS1.81/11.88	ITS2.37/9.5	ITS2.56/11.88	ITS3.56/11.25	
		ITS1.81/14	ITS2.37/11.88	ITS2.56/13	ITS3.56/11.88	
IUS series	<a href="#">ESR-2552</a>	IUS1.56/9.5	IUS1.81/16	IUS2.37/9.5	IUS2.56/9.5	IUS3.56/9.5
		IUS1.56/11.88	IUS2.06/9.5	IUS2.37/11.88	IUS2.56/11.88	IUS3.56/11.88
		IUS1.81/9.5	IUS2.06/11.88	IUS2.37/14	IUS2.56/14	IUS3.56/14
		IUS1.81/11.88	IUS2.06/14	IUS2.37/16	IUS2.56/16	IUS3.56/16
		IUS1.81/14	IUS2.06/16	IUS2.56/9.25		
JB series	<a href="#">ESR-2553</a>	JB26	JB28	JB210	JB212	JB214
JBA	<a href="#">ESR-2553</a>	JB210A	JB212A	JB214A		
L series	<a href="#">ESR-3096</a>	L30	L50	L70	L90	
LB series	<a href="#">ESR-2553</a>	LB26	LB210	LB212	LB214	LB216
		LB28				
LBAZ	<a href="#">ESR-2553</a>	LB210AZ	LB212AZ	LB214AZ		
LBV series	<a href="#">ESR-2615</a>	LBV1.56/11.25	LBV2.06/11.88	LBV2.56/20	LBV3.56/16	LBV4.28/9.5
		LBV1.56/11.88	LBV2.06/14	LBV2.56/22	LBV3.56/18	LBV4.75/11.25
		LBV1.56/11.88L45	LBV2.06/16	LBV2.56/24	LBV3.56/20	LBV4.75/11.88
		LBV1.56/11.88R45	LBV2.06/9.5	LBV2.56/26	LBV3.56/22	LBV4.75/14
		LBV1.56/14	LBV2.1/11.88	LBV2.56/28	LBV3.56/24	LBV4.75/16
		LBV1.56/16	LBV2.1/14	LBV2.56/30	LBV3.56/26	LBV4.75/18
		LBV1.56/9.25	LBV2.1/16	LBV2.56/9.25	LBV3.56/28	LBV4.75/20
		LBV1.56/9.5	LBV2.1/9.5	LBV2.56/9.37	LBV3.56/30	LBV4.75/9.25
		LBV1.56/9.5L45	LBV2.37/11.25	LBV2.56/9.5	LBV3.56/7.25	LBV4.75/9.5
		LBV1.56/9.5R45	LBV2.37/11.88	LBV3.12/11.25	LBV3.56/9.25	LBV5.12/11.25
		LBV1.81/11.25	LBV2.37/14	LBV3.12/11.88	LBV3.56/9.37	LBV5.12/11.88
		LBV1.81/11.88	LBV2.37/16	LBV3.12/14	LBV3.56/9.5	LBV5.12/12
		LBV1.81/11.88L45	LBV2.37/18	LBV3.12/16	LBV4.12/11.88	LBV5.12/14
		LBV1.81/11.88R45	LBV2.37/20	LBV3.12/9.25	LBV4.12/14	LBV5.12/16
		LBV1.81/14	LBV2.37/9.5	LBV3.12/9.5	LBV4.12/16	LBV5.12/18
		LBV1.81/16	LBV2.56/11.25	LBV3.56/11.25	LBV4.12/9.5	LBV5.12/20
		LBV1.81/7.25	LBV2.56/11.88	LBV3.56/11.5	LBV4.28/11.25	LBV5.12/22
		LBV1.81/9.25	LBV2.56/13	LBV3.56/11.88	LBV4.28/11.88	LBV5.12/24
		LBV1.81/9.5	LBV2.56/14	LBV3.56/12	LBV4.28/14	LBV5.12/9.25
		LBV1.81/9.5L45	LBV2.56/16	LBV3.56/13	LBV4.28/16	LBV5.12/9.5
LBV1.81/9.5R45	LBV2.56/18	LBV3.56/14	LBV4.28/9.25			
LCB series	<a href="#">ESR-3050</a>	LCB44	LCB66			
LCE series	<a href="#">ESR-3096</a>	LCE4				
LEG series	<a href="#">ESR-2615</a>	LEG3	LEG5	LEG7		
LFTA series	<a href="#">ESR-2613</a>	LFTA				
LGU series	<a href="#">ESR-2552</a>	LGU3.25.SDS	LGU3.63-SDS	LGU5.25-SDS		
LPCZ series	<a href="#">ESR-2604</a> <a href="#">ESR-3096</a>	LPC4Z		LPC6Z		
LRU series	<a href="#">ESR-2551</a>	LRU210	LRU212	LRU26	LRU28	
LSSU series	<a href="#">ESR-2551</a>	LSSU28	LSSU210	LSSU210-2	LSSU410	
LSSUI series	<a href="#">ESR-2551</a>	LSSUI25	LSSUI35			
LSTA	<a href="#">ESR-2105</a> <a href="#">ESR-3096</a>	LSTA9	LSTA12	LSTA21	LSTA30	
		LSTA15	LSTA18	LSTA24	LSTA36	
LSTHD series	<a href="#">ESR-2920</a>	LSTHD8	LSTHD8RJ			

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SERIES	REPORT NUMBER	MODEL				
LSTI	<a href="#">ESR-2105</a> <a href="#">ESR-3096</a>	LSTI49	LSTI73			
LSU series	<a href="#">ESR-2551</a>	LSU26				
LTB series	<a href="#">ESR-2608</a>	LTB20	LTB40			
LTHJA series	<a href="#">ESR-2605</a>	LTHJA26				
LTHMA	<a href="#">ESR-2605</a>	LTHMA				
LTP series	<a href="#">ESR-3096</a>	LTP4				
LTS series	<a href="#">ESR-2613</a>	LTS12	LTS16	LTS18	LTS20	
LU series	<a href="#">ESR-2549</a> <a href="#">ESR-3096</a>	LU24	LU26	LU28	LU210	
LUCZ series	<a href="#">ESR-2549</a> <a href="#">ESR-3096</a>	LUC26Z	LUC210Z			
LUS series	<a href="#">ESR-2549</a> <a href="#">ESR-3096</a>	LUS24 LUS24-2 LUS26 LUS26-2	LUS26-3 LUS28 LUS28-2 LUS28-3	LUS36 LUS44 LUS46 LUS48	LUS210 LUS210-2 LUS210-3	LUS214-2 LUS410 LUS414
MASA series	<a href="#">ESR-2555</a>	MASA				
MASAP series	<a href="#">ESR-2555</a>	MASAP				
MBHA series	<a href="#">ESR-2877</a>	MBHA3.12/9.25 MBHA3.12/11.25 MBHA3.56/9.25	MBHA3.56/11.25 MBHA3.56/11.88 MBHA3.56/14	MBHA3.56/16 MBHA3.56/18 MBHA5.50/9.25	MBHA5.50/11.25 MBHA5.50/11.88 MBHA5.50/14	MBHA5.50/16 MBHA5.50/18
MEG series	<a href="#">ESR-2615</a>	MEG5		MEG7		
MGU series	<a href="#">ESR-2552</a>	MGU3.63-SDS	MGU5.25-SDS	MGU5.50-SDS	MGU5.62-SDS	MGU7.00-SDS
MIT series	<a href="#">ESR-2615</a>	MIT1.81/14 MIT1.81/16 MIT11.88 MIT211.88 MIT211.88-2 MIT29.5 MIT29.5-2 MIT3.31/11.88 MIT3.31/9.5 MIT311.88 MIT311.88-2	MIT314 MIT314-2 MIT316 MIT318 MIT320 MIT322 MIT324 MIT359.25-2 MIT3511.88 MIT3511.88-2 MIT3514	MIT3514-2 MIT3516 MIT3518 MIT3520 MIT3522 MIT3524 MIT359.5 MIT359.5-2 MIT39.25-2 MIT39.5-2 MIT4.12/11.88 MIT4.12/14	MIT4.12/9.5 MIT4.28/11.88 MIT4.28/14 MIT4.28/9.5 MIT4.75/16 MIT411.88 MIT414 MIT416 MIT418 MIT420 MIT49.5	MIT5.12/16 MIT9.5
MIU series	<a href="#">ESR-2552</a>	MIU1.56/7 MIU1.56/9 MIU1.56/11 MIU1.56/14 MIU1.81/7 MIU1.81/9 MIU1.81/11 MIU1.81/14 MIU1.81/16 MIU1.81/18 MIU2.1/11 MIU2.37/7	MIU2.37/9 MIU2.37/11 MIU2.37/14 MIU2.37/16 MIU2.37/18 MIU2.37/20 MIU2.56/9 MIU2.56/11 MIU2.56/13 MIU2.56/14 MIU2.56/16 MIU2.56/18	MIU2.56/20 MIU3.12/9 MIU3.12/11 MIU3.56/9 MIU3.56/11 MIU3.56/14 MIU3.56/16 MIU3.56/18 MIU3.56/20 MIU4.12/9 MIU4.12/11 MIU4.12/14	MIU4.12/16 MIU4.28/9 MIU4.28/11 MIU4.28/14 MIU4.28/16 MIU4.75/9 MIU4.75/11 MIU4.75/14 MIU4.75/16 MIU4.75/18 MIU4.75/20 MIU5.12/7	MIU5.12/9 MIU5.12/11 MIU5.12/14 MIU5.12/16 MIU5.12/18 MIU5.12/20
MPBZ	<a href="#">ESR-3050</a>	MPB44Z	MPB66Z			
MSC series	<a href="#">ESR-2615</a>	MSC2	MSC1.18	MSC4	MSC5	
MST series	<a href="#">ESR-2105</a> <a href="#">ESR-3096</a>	MST27	MST37	MST48	MST60	MST72
MSTA series	<a href="#">ESR-2105</a> <a href="#">ESR-3096</a>	MSTA9 MSTA12	MSTA15 MST18	MSTA21 MSTA24	MSTA49 MSTA30	MSTA36
MSTC series	<a href="#">ESR-2105</a> <a href="#">ESR-3096</a>	MSTC28	MSTC40	MSTC52	MSTC66	MSTC78
MSTCB3 series	<a href="#">ESR-2105</a>	MSTC48B3	MSTC66B3			
MSTI series	<a href="#">ESR-2105</a> <a href="#">ESR-3096</a>	MSTI26	MST136	MSTI48	MSTI60	MSTI72
MTS series	<a href="#">ESR-2613</a> <a href="#">ESR-3096</a>	MTS12	MTS16	MTS18	MTS20	MTS30
MUS series	<a href="#">ESR-2549</a>	MUS26	MUS28			
NC series	<a href="#">ESR-2608</a>	NC2x10-16				

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SERIES	REPORT NUMBER	MODEL				
NCA series	<a href="#">ESR-2608</a>	NCA2x8-12 NCA2x10-12	NCA2x12-12 NCA2x8-16	NCA2x10-16	NCA2x12-16	
PA series	<a href="#">ESR-2920</a>	PA18	PA23	PA28	PA35	PA51 PA68
PAI series	<a href="#">ESR-2920</a>	PA18	PAI23	PAI28	PAI35	
PB series	<a href="#">ESR-3050</a>	PB44	PB46	PB66	PB44R	PB66R
PBS series	<a href="#">ESR-3050</a>	PBS44A	PBS46	PBS66		
PBV series	<a href="#">ESR-1622</a>	PBV6	PBV10			
PC series	<a href="#">ESR-2604</a> <a href="#">ESR-3096</a>	PC44-16	PC48-16	PC66-16	PC86	PC6Z
		PC44	PC48	PC66	PC88	PC6RZ
		PC46-16	PC64-16	PC68	PC4Z	PC8Z
		PC46	PC64	PC84	PC4RZ	PC8RZ
PCT series	<a href="#">ESR-2607</a>	PCT18	PCT23	PCT27	PCT38	
PF series	<a href="#">ESR-2553</a>	PF24	PF26			
PHD series	<a href="#">ESR-2330</a>	PHD2	PHD5	PHD6		
PPB series	<a href="#">ESR-3050</a>	PPB44-4Z	PPB44-6Z			
RCWB series	<a href="#">ESR-2608</a>	RCWB10	RCWB12	RCWB14		
RPBZ series	<a href="#">ESR-1622</a>	RPBZ				
RPS series	<a href="#">ESR-2608</a>	RPS18	RPS22	RPS28		
RR series	<a href="#">ESR-2553</a> <a href="#">ESR-3096</a>	RR				
RSP series	<a href="#">ESR-2613</a> <a href="#">ESR-3096</a>	RSP4				
RST series	<a href="#">ESR-2613</a>	RST-1	RST-2			
SA series	<a href="#">ESR-2607</a>	SA36				
SP series	<a href="#">ESR-2613</a>	SP1	SP2	SP4	SP6	SP8
SPH series	<a href="#">ESR-2613</a>	SPH4	SPH6	SPH8		
SS series	<a href="#">ESR-2608</a>	SS1.5	SS2.5	SS3	SS4.5	
SSP series	<a href="#">ESR-2613</a>	SSP				
ST series	<a href="#">ESR-2105</a> <a href="#">ESR-3096</a>	ST292	ST2215	ST6224	ST9	ST18
		ST2122	ST6215	ST6236	ST12	ST22
		ST2115				
STHD series	<a href="#">ESR-2920</a>	STHD8 STHD10	STHD14	STHD8RJ	STHD10RJ	STHD14RJ
SUR/L series	<a href="#">ESR-2549</a> <a href="#">ESR-2552</a>	SUR/L24	SUR/L1.81/9	SUR/L2.06/14	SUR/L2.37/11	SUR/L210-2
		SUR/L26	SUR/L1.81/11	SUR/L2.1/9	SUR/L2.37/14	SUR/L214-2
		SUR/L26-2	SUR/L1.81/14	SUR/L2.1/11	SUR/L2.56/9	SUR/L46
		SUR/L210	SUR/L2.06/9	SUR/L2.1/14	SUR/L2.56/11	SUR/L410
		SUR/L214	SUR/L2.06/11	SUR/L2.37/9	SUR/L2.56/14	SUR/L414
TB series	<a href="#">ESR-2608</a>	TB20	TB30	TB42	TB54	TB60
		TB27	TB36	TB48	TB56	
TBE series	<a href="#">ESR-2605</a>	TBE4	TBE6			
TC series	<a href="#">ESR-2605</a>	TC24	TC26	TC28		
THA series	<a href="#">ESR-2551</a>	THA29	THA218	THA222-2	THA418	THA422
		THA213	THA218-2	THA413	THAC418	
THAI series	<a href="#">ESR-2551</a>	THAI222 THAI1.81/22	THAI2.06/22 THAI2.1/22	THAI3522	THAI322	THAI422
THAL series	<a href="#">ESR-2551</a>	THAL422				
THAR series	<a href="#">ESR-2551</a>	THAR422				
THJA series	<a href="#">ESR-2605</a>	THJA26				
THJM2 series	<a href="#">ESR-2605</a>	THJM2-4-SDS3	THJM2-5-SDS3			
THJU series	<a href="#">ESR-2605</a>	THJU26	THJU26-W			
TSBR series	<a href="#">ESR-2605</a>	TSBR2-24				
TWB series	<a href="#">ESR-2608</a>	TWB10	TWB10	TWB14		



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SERIES	REPORT NUMBER	MODEL				
U series	<a href="#">ESR-2549</a> <a href="#">ESR-2552</a>	U24 U26 U26-3 U210 U214 U34 U36	U14 U310 U314 U44 U46 U410 U3510/14	U414 U24-2 U26-2 U210-2 U66 U3516/20 U610	U210-3 U24R U26R U210R U3510-2 U44R U46R	U410R U66R U610R U3512-2
UFP series	<a href="#">ESR-2616</a>	UFP10-SDS3				
URFP series	<a href="#">ESR-2616</a>	URFP				
VB series	<a href="#">ESR-2607</a>	VB-5	VB-7	VB-8	VB-10	VB-12
VPA series	<a href="#">ESR-2551</a>	VPA2	VPA25	VPA3	VPA35	VPA4
VTCT series	<a href="#">ESR-2605</a>	VTCT				
W/WI series	<a href="#">ESR-2553</a> <a href="#">ESR-2615</a>	W1.56X W1.81 W2.06X W2.56X W3.12X W3.25X W3.56X W3.56/11.88 W3.56/7.25 W3.56/9.5 W9 W9-2 W11 W11-2	W14 W16 W26 W28 W29.25 W29.5 W34 W36 W38 W44 W46 W48 W210 W211.25	W211.88 W212 W214 W216 W310 W410 W3511.88 W3514 W3516 W3518 W3520 W3522 W3524	WI39.25 WI39.5 WI49.25 WI49.5 WI310 WI311.25 WI311.88 WI314 WI316 WI318 WI320 WI322 WI324	WI326 WI328 WI330 WI411.25 WI414 WI416 WI418 WI420 WI422 WI424 WI426 WI428 WI430
WB series	<a href="#">ESR-2608</a>	WB106	WB126	WB106C	WB126C	WB143C
WM series	<a href="#">ESR-2877</a>	WM11 WM14 WM16 WM210 WM210-2 WM211.25 WM211.88 WM212 WM212-2 WM214 WM214-2	WM216 WM216-2 WM26 WM26-2 WM28 WM28-2 WM29.25 WM29.25-2 WM29.5 WM29.5-2 WM3.56/11.88	WM3.56/9.5 WM310 WM312 WM314 WM316 WM3511.88 WM3511.88-2 WM3514 WM3514-2 WM3516 WM3516-2	WM3518 WM3518-2 WM3520 WM3520-2 WM36 WM38 WM410 WM412 WM414 WM416 WM46	WM48 WM5.50/11.88 WM5.50/9.5 WM610 WM66 WM68 WM9 WM211.25-2 WM211.88-2
WMI series	<a href="#">ESR-2877</a>	WMI314 WMI316 WMI318 WMI320	WMI411.25-2 WMI411.88-2 WMI412 WMI414	WMI414-2 WMI416 WMI416-2 WMI418	WMI418-2 WMI420 WMI420-2 WMI49.5-2	
WP/WNP/WPI series	<a href="#">ESR-2553</a> <a href="#">ESR-2615</a>	WP1.81/7.25 WP11 WP11.25 WP12 WP14 WP16 WP211.25 WP211.25-2 WP211.88 WP211.88-2 WP359.5-2 WP3511.88-2 WP29.25 WP29.25-2 WP29.5 WP29.5-2 WP359.25-2 WP3510-2 WP3511.25-2 WP3512-2 WP3514 WP3514-2 WP3516 WP3516-2	WP3518 WP3518-2 WP3520 WP3520-2 WP3522 WP3522-2 WP3524 WP3524-2 WP3526 WP3526-2 WP3528 WP3528-2 WP3530 WP3530-2 WP5.31/9.25 WP5.31/11.25 WP5.31/12 WP5.31/14 WP5.31/16 WP5.31/18 WP5.31/20 WP5.50/10 WP5.50/12 WP5.50/11.88	WP5.50/14 WP5.50/16 WP5.50/18 WP5.50/20 WP5.50/7.25 WP5.50/9.5 WP7.25 WP9 WP9.25 WNP312 WNP314 WNP316 WNP316 WNP316 WNP3.3 WNP2.6 WNP26-2 WNP28-2 WNP210-2 WNP212-2 WNP214-2 WNP216-2 WNP412 WNP414 WNP416 WNP66	WNP68 WNP610 WPI311.88 WPI314 WPI316 WPI318 WPI320 WPI322 WPI324 WPI326 WPI328 WPI330 WPI49.25 WPI49.5 WPI411.25 WPI411.88 WPI412 WPI414 WPI414 WPI416 WPI418 WPI420 WPI422 WPI424 WPI426	WPI428 WPI430 WPI432 WPI39.5-2 WPI311.88-2 WPI314-2 WPI316-2 WPI318-2 WPI320-2 WPI322-2 WPI324-2 WPI326-2 WPI326-2 WPI49.25-2 WPI49.5-2 WPI411.25-2 WPI411.88-2 WPI414-2 WPI416-2
WNPU series	<a href="#">ESR-2553</a> <a href="#">ESR-2615</a>	WNPU2.6 WNPU3.3 WNPU312	WNPU314 WNPU316 WNPU210-2	WNPU212-2 WNPU214-2 WNPU216-2	WNPU412 WNPU414 WNPU416	

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SERIES	REPORT NUMBER	MODEL				
WPU series	<a href="#">ESR-2615</a>	WPU1.81/11.25	WPU2.56/18	WPU2.75/16	WPU3.56/22	WPU3516
		WPU1.81/11.5	WPU2.56/20	WPU211.88-2	WPU3.56/24	WPU3516-2
		WPU1.81/11.88	WPU2.56/22	WPU29.5-2	WPU3.56/26	WPU3518
		WPU1.81/12	WPU2.56/24	WPU29.25-2	WPU3.56/28	WPU3520-2
		WPU1.81/14	WPU2.56/26	WPU3.56/11.25	WPU3.56/7.25	WPU3524
		WPU1.81/7.25	WPU2.75/9.25	WPU3.56/11.88	WPU3.56/9.25	WPU5.50/7.25
		WPU1.81/9.25	WPU2.75/9.5	WPU3.56/12	WPU3.56/9.5	WPU5.50X
		WPU1.81/9.5	WPU2.75/11.25	WPU3.56/14	WPU3511.25-2	WPU211.25-2
		WPU2.56/11.88	WPU2.75/11.88	WPU3.56/16	WPU3511.88-2	
		WPU2.56/14	WPU2.75/12	WPU3.56/18	WPU3514	
		WPU2.56/16	WPU2.75/14	WPU3.56/20	WPU3514-2	