

DOSSERT[®] TYPE S5600-45-EHV, S5800-EHV

Terminal Connectors

The S5600-45-EHV, S5800-EHV Series Terminal Connector is designed for ACSR and AAC conductors. Designed for 500 kV service. The terminal is fabricated from AFL seamless drawn aluminum.

Material

Aluminum Alloy

Notes

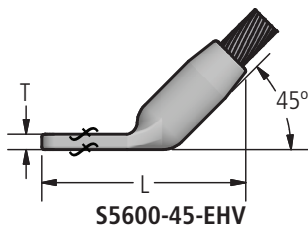
Other pad sizes can be custom ordered.



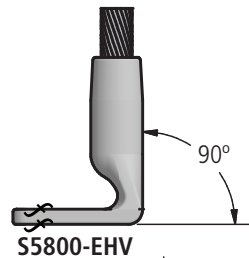
S5600-45-EHV



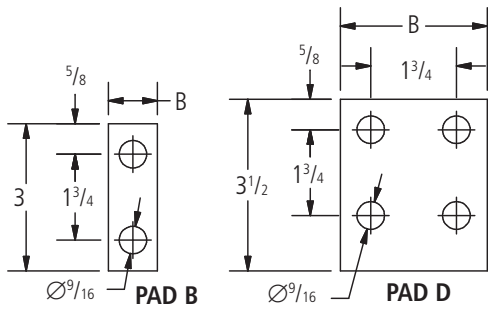
S5800-EHV



S5600-45-EHV

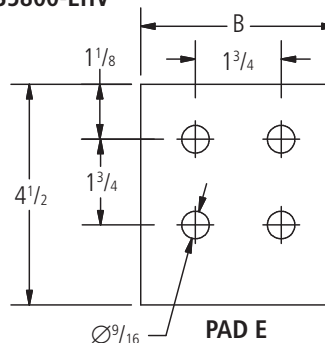


S5800-EHV



Ø 9/16 PAD B

Ø 9/16 PAD D



Ø 9/16 PAD E

Ordering Information

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | PAD SIZE |
|------------------|---------------|-------------|-----------|------------|-----------------|--------------------------|---------------------------|----------------------|-----|------|----------|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER RANGE IN INCHES | | T | B | L | |
| S5673.391-45-EHV | S5873.391-EHV | AAC | Poppy | 1/0 | 7 | 0.368 | 73AH | 0.2 | 1 | 5.04 | B |
| S5674.438-45-EHV | S5874.438-EHV | ACSR | Raven | 1/0 | 6/1 | 0.398 | 74AH | 0.3 | 1 | 5.28 | B |
| | | AAC | Aster | 2/0 | 7 | 0.414 | | 0.3 | 1 | 5.28 | B |
| S5674.484-45-EHV | S5874.484-EHV | ACSR | Quail | 2/0 | 6/1 | 0.447 | 74AH | 0.3 | 1 | 5.28 | B |
| | | ACSR | Phlox | 3/0 | 7 | 0.464 | | 0.3 | 1 | 5.28 | B |
| S5675.547-45-EHV | S5875.547-EHV | ACSR | Pigeon | 3/0 | 6/1 | 0.502 | 75AH | 0.5 | 1 | 5.28 | B |
| | | AAC | Oxlip | 4/0 | 7 | 0.522 | | 0.5 | 1 | 5.28 | B |
| S5675.609-45-EHV | S5875.609-EHV | ACSR | Penguin | 4/0 | 6/1 | 0.563 | 75AH | 0.5 | 1 | 5.28 | B |
| | | AAC | Valerian | 250 | 19 | 0.575 | | 0.5 | 1 | 5.28 | B |
| | | AAC | Laurel | 266.8 | 19 | 0.593 | | 0.5 | 1 | 5.28 | B |
| S5676.656-45-EHV | S5876.656-EHV | ACSR | Waxwing | 266.8 | 18/1 | 0.609 | 76AH | 0.6 | 1.3 | 5.34 | B |
| | | AAC | Peony | 300 | 19 | 0.629 | | 0.6 | 1.3 | 5.34 | B |
| S5676.688-45-EHV | S5876.688-EHV | ACSR | Owl | 266.8 | 1/0 | 0.633 | 76AH | 0.6 | 1.3 | 5.34 | B |
| | | ACSR | Partridge | 266.8 | 26/7 | 0.642 | | 0.6 | 1.3 | 5.34 | B |
| | | AAC | Tulip | 336.4 | 19 | 0.666 | | 0.6 | 1.3 | 5.34 | B |

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TYPE S5600-45-EHV, S5800-EHV

Terminal Connectors

Ordering Information cont.

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|------------------|---------------|-------------|--------------|------------|-----------------|--------------------------|---------------------------|----------------------|-----|------|----------|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER RANGE IN INCHES | | T | B | L | |
| S5620.719-45-EHV | S5820.719-EHV | AAC | Daffodil | 350 | 19 | 0.679 | 20AH | 0.5 | 1.3 | 6.13 | B |
| S5676.719-45-EHV | S5876.719-EHV | ACSR | Ostrich | 300 | 26/7 | 0.68 | 76AH | 0.5 | 1.3 | 5.34 | B |
| | | ACSR | Merlin | 336.4 | 18/1 | 0.684 | | 0.5 | 1.3 | 5.34 | B |
| S5620.781-45-EHV | S5820.781-EHV | ACSR | Linnet | 336.4 | 26/7 | 0.72 | 20AH | 0.5 | 1.3 | 6.13 | B |
| | | ACSR | Oriole | 336.4 | 30/7 | 0.741 | | 0.5 | 1.3 | 6.13 | B |
| S5676.781-45-EHV | S5876.781-EHV | ACSR | Linnet | 336.4 | 26/7 | 0.72 | 76AH | 0.5 | 1.3 | 5.34 | B |
| | | ACSR | Chickadee | 397.5 | 18/1 | 0.743 | | 0.5 | 1.3 | 5.34 | B |
| S5676.750-45-EHV | S5876.750-EHV | AAC | Canna | 397.5 | 19 | 0.724 | 76AH | 0.5 | 1.3 | 5.34 | B |
| S5620.812-45-EHV | S5820.812-EHV | ACSR | Brant | 397.5 | 24/7 | 0.772 | 20AH | 0.5 | 1.3 | 6.13 | B |
| | | AAC | Goldentuft | 450 | 19 | 0.77 | | 0.5 | 1.3 | 6.13 | B |
| | | AAC | Yarrow | 450 | 37 | 0.772 | | 0.5 | 1.3 | 6.13 | B |
| | | AAC | Cosmos | 477 | 19 | 0.793 | | 0.5 | 1.3 | 6.13 | B |
| | | AAC | Syringa | 477 | 37 | 0.795 | | 0.5 | 1.3 | 6.13 | B |
| S5620.844-45-EHV | S5820.844-EHV | ACSR | Ibis | 397.5 | 26/7 | 0.783 | 20AH | 0.5 | 1.3 | 6.13 | B |
| | | ACSR | Lark | 397.5 | 30/7 | 0.806 | | 0.5 | 1.3 | 6.13 | B |
| S5624.875-45-EHV | S5824.875-EHV | ACSR | Pelican | 477 | 18/1 | 0.814 | 24AH | 0.6 | 1.5 | 6.83 | B |
| | | AAC | Cosmos | 477 | 19 | 0.793 | | 0.6 | 1.5 | 6.83 | B |
| | | AAC | Syringa | 477 | 37 | 0.795 | | 0.6 | 1.5 | 6.83 | B |
| | | AAC | Zinnia | 500 | 19 | 0.811 | | 0.6 | 1.5 | 6.83 | B |
| | | AAC | Hyacinth | 500 | 37 | 0.813 | | 0.6 | 1.5 | 6.83 | B |
| S5624.938-45-EHV | S5824.938-EHV | ACSR | Flicker | 477 | 24/7 | 0.846 | 24AH | 0.6 | 1.5 | 6.83 | B |
| | | ACSR | Hawk | 477 | 26/7 | 0.858 | | 0.6 | 1.5 | 6.83 | B |
| | | ACSR | Hen | 477 | 30/7 | 0.883 | | 0.6 | 1.5 | 6.83 | B |
| | | ACSR | Osprey | 556.5 | 18/1 | 0.879 | | 0.6 | 1.5 | 6.83 | B |
| | | AAC | Dahlia | 556.5 | 19 | 0.856 | | 0.6 | 1.5 | 6.83 | B |
| | | AAC | Mistletoe | 556.5 | 37 | 0.858 | | 0.6 | 1.5 | 6.83 | B |
| | | AAC | Meadow-sweet | 600 | 37 | 0.891 | | 0.6 | 1.5 | 6.83 | B |
| S5624.969-45-EHV | S5824.969-EHV | ACSR | Parakeet | 556.5 | 24/7 | 0.914 | 24AH | 0.6 | 1.5 | 6.82 | B |
| | | ACSR | Dove | 556.5 | 26/7 | 0.927 | | 0.6 | 1.5 | 6.82 | B |
| | | AAC | Orchid | 636 | 37 | 0.918 | | 0.6 | 1.5 | 6.82 | B |
| | | AAC | Heuchera | 650 | 37 | 0.928 | | 0.6 | 1.5 | 6.82 | B |

500 kV Compression Connectors

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Terminal Connectors

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| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | PAD SIZE |
|------------------|---------------|-------------|------------|------------|-----------------|--------------------------|---------------------------|----------------------|---|------|----------|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER RANGE IN INCHES | | T | B | L | |
| S5630.109-45-EHV | S5830.109-EHV | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.5 | 3 | 7.63 | D |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | 0.5 | 3 | 7.63 | D |
| | | ACSR | Coot | 795 | 36/1 | 1.04 | | 0.5 | 3 | 7.63 | D |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | 0.5 | 3 | 7.63 | D |
| | | AAC | Lilac | 795 | 61 | 1.028 | | 0.5 | 3 | 7.63 | D |
| | | AAC | — | 800 | 37 | 1.031 | | 0.5 | 3 | 7.63 | D |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | 0.5 | 3 | 7.63 | D |
| S5630.116-45-EHV | S5830.116-EHV | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 0.5 | 3 | 7.63 | D |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | 0.5 | 3 | 7.63 | D |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | 0.5 | 3 | 7.63 | D |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | 0.5 | 3 | 7.63 | D |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | 0.5 | 3 | 7.63 | D |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | 0.5 | 3 | 7.63 | D |
| S5630.122-45-EHV | S5830.122-EHV | ACSR | Mallard | 795 | 30/19 | 1.14 | 30AH | 0.4 | 3 | 7.63 | D |
| | | ACSR | Ruddy | 900 | 45/7 | 1.131 | | 0.4 | 3 | 7.63 | D |
| | | ACSR | Canary | 900 | 54/7 | 1.162 | | 0.4 | 3 | 7.63 | D |
| | | ACSR | Catbird | 954 | 36/1 | 1.14 | | 0.4 | 3 | 7.63 | D |
| | | ACSR | Rail | 954 | 45/7 | 1.165 | | 0.4 | 3 | 7.63 | D |
| | | AAC | Magnolia | 954 | 37 | 1.124 | | 0.4 | 3 | 7.63 | D |
| | | AAC | Goldenrod | 954 | 61 | 1.126 | | 0.4 | 3 | 7.63 | D |
| | | AAC | Camellia | 1000 | 61 | 1.152 | | 0.4 | 3 | 7.63 | D |
| | | AAC | Bluebell | 1033.5 | 37 | 1.17 | | 0.4 | 3 | 7.63 | D |
| | | AAC | Larkspur | 1033.5 | 61 | 1.172 | | 0.4 | 3 | 7.63 | D |
| S5630.125-45-EHV | S5830.125-EHV | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 0.4 | 3 | 7.63 | D |
| | | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | | 0.4 | 3 | 7.63 | D |
| S5634.128-45-EHV | S5834.128-EHV | ACSR | Ortolan | 1033.5 | 45/7 | 1.212 | 34AH | 0.6 | 3 | 8.2 | D |
| | | AAC | Marigold | 1113 | 61 | 1.216 | | 0.6 | 3 | 8.2 | D |
| S5634.134-45-EHV | S5834.134-EHV | ACSR | Curlew | 1033.5 | 54/7 | 1.244 | 34AH | 0.6 | 3 | 8.2 | D |
| | | ACSR | Bluejay | 1113 | 45/7 | 1.259 | | 0.6 | 3 | 8.2 | D |
| | | AAC | Hawthorn | 1192.5 | 61 | 1.258 | | 0.6 | 3 | 8.2 | D |
| S5634.138-45-EHV | S5834.138-EHV | AAC | Narcissus | 1272 | 61 | 1.3 | 34AH | 0.6 | 3 | 8.2 | D |
| | | ACSR | Bunting | 1192.5 | 45/7 | 1.302 | | 0.6 | 3 | 8.2 | D |
| | | ACSR | Finch | 1113 | 54/19 | 1.293 | | 0.6 | 3 | 8.2 | D |

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|------------------|---------------|-------------|------------|------------|-----------------|--------------------------|---------------------------|----------------------|---|-------|----------|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER RANGE IN INCHES | | T | B | L | |
| S5636.144-45-EHV | S5836.144-EHV | ACSR | Bittern | 1272 | 45/7 | 1.345 | 36AH | 0.6 | 3 | 8.23 | D |
| | | ACSR | Grackle | 1192.5 | 54/19 | 1.333 | | 0.6 | 3 | 8.23 | D |
| | | AAC | Columbine | 1351 | 61 | 1.34 | | 0.6 | 3 | 8.23 | D |
| | | AAC | Carnation | 1431 | 61 | 1.379 | | 0.6 | 3 | 8.23 | D |
| S5636.147-45-EHV | S5836.147-EHV | ACSR | Pheasant | 1272 | 54/19 | 1.382 | 36AH | 0.6 | 3 | 8.23 | D |
| | | ACSR | Dipper | 1351.5 | 45/7 | 1.386 | | 0.6 | 3 | 8.23 | D |
| | | ACSR | — | 1500 | 91 | 1.412 | | 0.6 | 3 | 8.23 | D |
| | | AAC | Gladiolus | 1510.5 | 61 | 1.187 | | 0.6 | 3 | 8.23 | D |
| S5638.150-45-EHV | S5838.150-EHV | ACSR | Martin | 1351.5 | 54/19 | 1.424 | 38AH | 0.8 | 3 | 8.85 | D |
| | | ACSR | Bobolink | 1431 | 45/7 | 1.427 | | 0.8 | 3 | 8.85 | D |
| S5638.156-45-EHV | S5838.156-EHV | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 0.7 | 3 | 8.85 | D |
| | | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | | 0.7 | 3 | 8.85 | D |
| | | AAC | Coreopsis | 1590 | 61 | 1.25 | | 0.7 | 3 | 8.85 | D |
| | | AAC | Dogwood | 1590 | 91 | 1.454 | | 0.7 | 3 | 8.85 | D |
| S5640.162-45-EHV | S5840.162-EHV | ACSR | Parrot | 1510.5 | 54/19 | 1.506 | 40AH | 0.7 | 3 | 9.95 | D |
| | | ACSR | Lapwing | 1590 | 45/7 | 1.504 | | 0.7 | 3 | 9.95 | D |
| | | ACSR | Falcon | 1590 | 54/19 | 1.545 | | 0.7 | 3 | 9.95 | D |
| | | AAC | Jessamine | 1750 | 61 | 1.525 | | 0.7 | 3 | 9.95 | D |
| S5642.178-45-EHV | S5842.178-EHV | ACSR | Chukar | 1780 | 84/19 | 1.602 | 42AH | 0.7 | 4 | 10.28 | E |
| | | ACSR | — | 2034 | 72/7 | 1.681 | | 0.7 | 4 | 10.28 | E |
| | | AAC | Cowslip | 2000 | 91 | 1.63 | | 0.7 | 4 | 10.28 | E |
| S5644.181-45-EHV | S5844.181-EHV | ACSR | Kiwi | 2167 | 72/7 | 1.737 | 44AH | 0.7 | 4 | 10.34 | E |
| | | AAC | Sagebrush | 2250 | 91 | 1.729 | | 0.7 | 4 | 10.34 | E |
| | | AAC | — | 2300 | 61 | 1.75 | | 0.7 | 4 | 10.34 | E |
| | | AAC | — | 2300 | 91 | 1.75 | | 0.7 | 4 | 10.34 | E |
| S5644.184-45-EHV | S5844.184-EHV | ACSR | Bluebird | 2156 | 84/19 | 1.762 | 44AH | 0.7 | 4 | 10.34 | E |
| S5644.188-45-EHV | S5844.188-EHV | ACSR | Thrasher | 2312 | 76/19 | 1.802 | 44AH | 0.7 | 4 | 10.34 | E |
| | | AAC | Lupine | 2500 | 91 | 1.823 | | 0.7 | 4 | 10.34 | E |
| S5648.197-45-EHV | S5848.197-EHV | ACSR | Joree | 2515 | 76/19 | 1.88 | 48AH | 0.8 | 4 | 11.1 | E |
| | | AAC | Bitterroot | 2750 | 91 | 1.912 | | 0.8 | 4 | 11.1 | E |