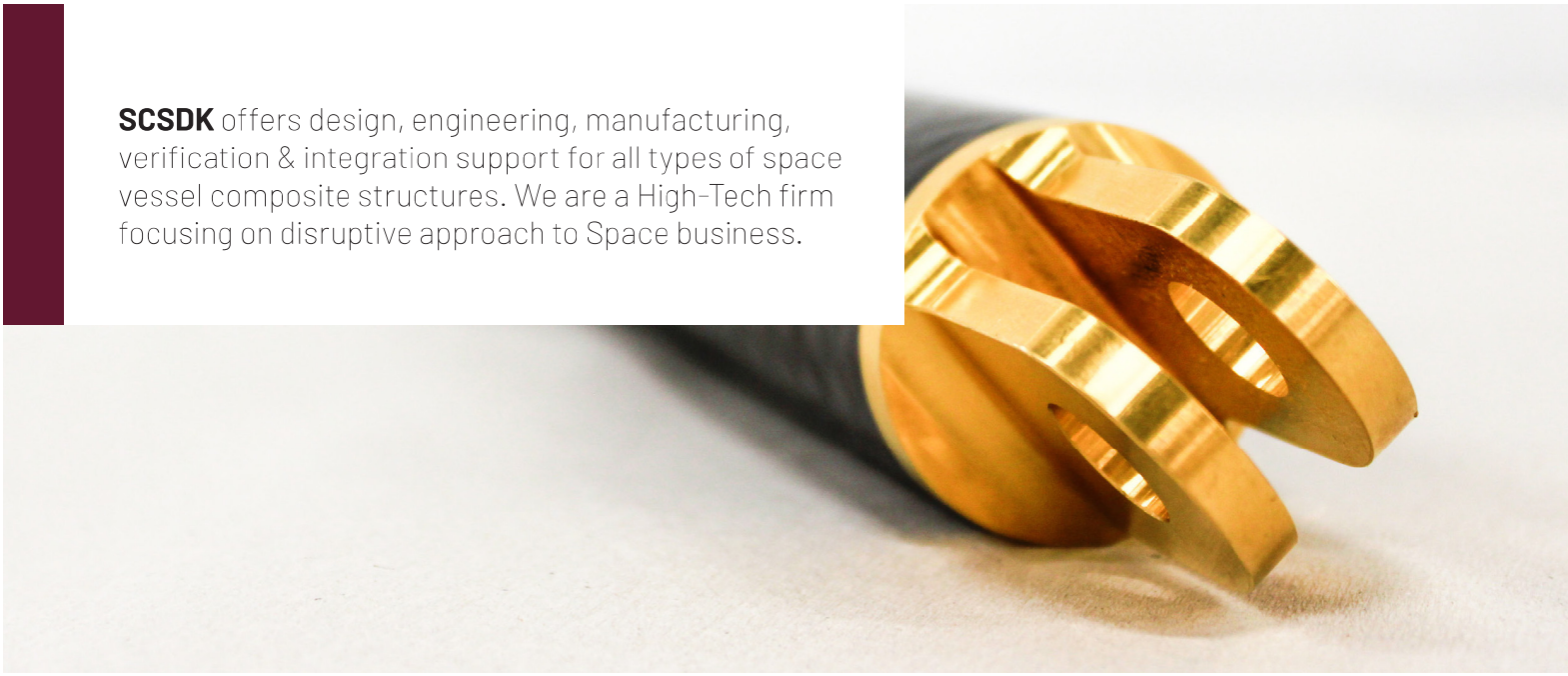
# STANDARD STRUTS

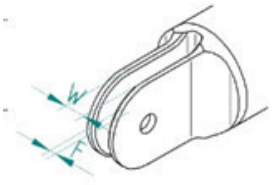
## A COST EFFECTIVE FLIGHT-PROVEN MASS REDUCTION

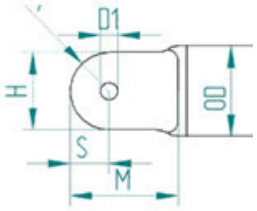
SPACE
COMPOSITE STRUCTURES
DENMARK

**SCSDK** offers design, engineering, manufacturing, verification & integration support for all types of space vessel composite structures. We are a High-Tech firm focusing on disruptive approach to Space business.



# STRUT PERFORMANCE




| | Mass (G) | Tensile Strength [daN] | Com-pressive strength [daN] | Axial Stiff-ness [N/m] | Size [mm] | H | S | M | W | R | F | øD1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA-1700-523 | 34.3 | 228 | -228 | $1.83 \times 10^{-7}$ | Ø17 / L397 | 16 | 8 | 22 | 2.1 | 8 | 1.5 | 3 |
| SA-2100-501 | 46.5 | 570 | -570 | $2.42 \times 10^{-7}$ | Ø21 / L374 | 18 | 9 | 25 | 3.5 | 9 | 1.5 | 4 |
| SA-2100-505 | 41.3 | 648 | -648 | $2.96 \times 10^{-7}$ | Ø21 / L305.3 | 18 | 9 | 25 | 3.5 | 9 | 1.5 | 4 |
| SA-2100-507 | 46.1 | 648 | -648 | $2.51 \times 10^{-7}$ | Ø21 / L360 | 18 | 9 | 25 | 3.5 | 9 | 1.5 | 4 |
| SA-2100-509 | 40 | 420 | -420 | $5.45 \times 10^{-7}$ | Ø21 / L165.7 | 18 | 9 | 25 | 3.5 | 9 | 1.5 | 4 |
| SA-2140-501 | 81.1 | 570 | -570 | $2.07 \times 10^{-7}$ | Ø21.4 / L588.3 | 18 | 9 | 21 | 4.5 | 9 | 2 | 4 |
| SA-2140-503 | 81.1 | 1819 | -720 | $1.94 \times 10^{-7}$ | Ø21.4 / L628.1 | 18 | 9 | 21 | 4.5 | 9 | 2 | 4 |
| SA-2140-505 | 80.7 | 1763 | -1200 | $2.05 \times 10^{-7}$ | Ø21.4 / L594.7 | 18 | 9 | 21 | 4.5 | 9 | 2 | 4 |
| SA-2140-507 | 77.4 | 256 | -256 | $2.06 \times 10^{-7}$ | Ø21.4 /L 591.4 | 18 | 9 | 21 | 4.5 | 9 | 2 | 4 |
| SA-2290-521 | 193.9 | 924 | -924 | $2.46 \times 10^{-7}$ | Ø22.9 / L994 | 20 | 10 | 26 | 3.5 | 10 | 2 | 5.5 |
| SA-2600-511 | 99.3 | 648 | -648 | $1.43 \times 10^{-7}$ | Ø26 / L784.6 | 20 | 10 | 25 | 3.5 | 10 | 1.5 | 4 |
| SA-3050-501 | 152.2 | 3451/4380 | -3220/-4025 | $4.06 \times 10^{-7}$ | Ø30.5 / L535.9 | 24 | 12 | 29 | 8.5 | 12 | 3/4 | 6.7 |
| SA-3050-503 | 196.5 | 1780/1615 | -750/-1500 | $2.59 \times 10^{-7}$ | Ø30.5 / L841 | 20 | 10 | 25 | 3.5 | 10 | 2/3 | 4 |
| SA-3080-533 | 159.9 | 2880 | -2880 | $2.40 \times 10^{-8}$ | Ø30.8 / L256.5 | 24 | 14 | 33 | 8.5 | 12 | 4 | 6.7 |
| SA-3080-535 | 139.5 | 2880 | -2880 | $2.93 \times 10^{-8}$ | Ø30.8 / L210 | 24 | 14 | 33 | 8.5 | 12 | 4 | 6.7 |

- Satellite and Instrument Struts
- Carbon/Epoxy tubing
- Aluminium 7075-T6 fittings
- Lead Time: 8-10 weeks
- Off-the-Shelf
- - 45°C to + 65°C
- In-house Manufacturing

Performance test reports available on request

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