# SCREEN MOUNT
## TYPE CH | CH-I

| type | dimensions H | | W | | A | B | LN | D | E | øE | screws | øF +/– 0.2 | Y | V | weight | material | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | un-loaded | max. load | un-loaded | max. load | | | | | | | | | | min. | kg | housing | core | lever |
| CH-I 3 – 40 | 163 | 123 - 118 | 102 | 117 | 65 | 52 | 40 | 4 | - | 7 | 4 | - | 50 | 120 | 0.9 | SINT-C 40 | 1.4301 | |
| CH-I 4 – 50 | 210 | 150 - 143 | 130 | 147 | 85 | 61 | 50 | 4.5 | - | 9 | 4 | - | 65 | 150 | 1.6 | SINT-C 41 | 1.4301 | |
| CH-I 4 – 50S | 210 | 143 | 130 | 147 | 85 | 61 | 50 | 4.5 | - | 9 | 4 | - | 65 | 150 | 1.5 | SINT-C 41 | | |
| CH 5 – 60 | 236 | 180 - 173 | 148 | 169 | 105 | 80 | 60 | 5 | - | 11 | 4 | - | 80 | 170 | 2.2 | Aluminium | steel powder coating | |
| CH 6 – 80 | 305 | 234 - 224 | 184 | 211 | 125 | 106 | 80 | 6 | 40 | 13 | 8 | - | 100 | 210 | 5 | | | |
| CH 7 – 110 | 333 | 256 - 245 | 206 | 235 | 145 | 155 | 110 | 8 | 65 | 13 | 8 | - | 115 | 240 | 8.8 | | | |

Load values, capacity limits

| type | load | | nat. frequency fe load | | dynam. spring ratio cd 960 min $^{-1}$ verti. | sw amplitude | hori. | max. capacity limits* 720 min $^{-1}$ (12 Hz) | | | | 960 min $^{-1}$ (16 Hz) | | | | 1440 min $^{-1}$ (24 Hz) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | min. N | max. N | min. Hz | max. Hz | N/mm | peak to peak mm | N/mm | sw mm | K - | W % | Vm m/min. | sw mm | K - | W % | Vm m/min. | sw mm | K - | W % | Vm m/min. |
| CH-I 3 – 40 | 50 | 160 | 4.5 | 2.4 | 10 | 11 | 13 | 13.5 | 3.9 | 95.4 | 16 | 11 | 5.7 | 97.4 | 17 | 8 | 9.3 | 99 | 18 |
| CH-I 4 – 50 | 120 | 350 | 4 | 2.3 | 19 | 12 | 15 | 16 | 4.9 | 96.8 | 18 | 14 | 7.7 | 98.3 | 19 | 8 | 9.3 | 99 | 18 |
| CH-I 4 – 50S | 120 | 350 | 4 | 2.3 | 19 | 12 | 15 | 16 | 4.9 | 96.8 | 18 | 14 | 7.7 | 98.3 | 19 | 8 | 9.3 | 99 | 18 |
| CH 5 – 60 | 240 | 800 | 3.8 | 2.2 | 35 | 14 | 18 | 17 | 4.9 | 96.6 | 20 | 14 | 8.8 | 98.1 | 24 | 8 | 9.3 | 99 | 18 |
| CH 6 – 80 | 600 | 1600 | 3.0 | 1.9 | 56 | 17 | 26 | 20 | 5.8 | 97.3 | 24 | 17 | 8.8 | 98.5 | 27 | 8 | 9.3 | 99 | 18 |
| CH 7 – 110 | 1300 | 3300 | 2.8 | 1.9 | 107 | 17 | 38 | 20 | 5.8 | 97.5 | 24 | 17 | 9.3 | 98.5 | 27 | 8 | 9.3 | 99 | 18 |

*sw: amplitude (peak to peak)

K: oscillating machine factor

W: isolation efficiency

Vm: theo. conveying speed (angle 45°)