



OPEN TYPE CABLE DRAG CHAINS

(CPS036N, CPS050N SERIES)



| Technical Details :           |   |
|-------------------------------|---|
| Chain Material                | Glass fibre reinforced Polyamide, UL 94-HB  |
| Noise                         | 40 dB (DIN EN 61672-1)  |
| Applications                  | Gantry Robot, Machine Center, Textile Machine, Welding Machine, Wood Work Machine and Fabric Machine                                |
| Speed                         | 10m / sec   |
| Temperature Range             | -30° C to +130° C Continuous  |
| Vertical Installation Lengths | Curve above = max. 2 m<br>Curve below = max. 40 m<br>(Curve below = max. 50 m for CPS 050N)<br>Side mounted, Unsupported = max. 1 m |
| Approvals                     |   |

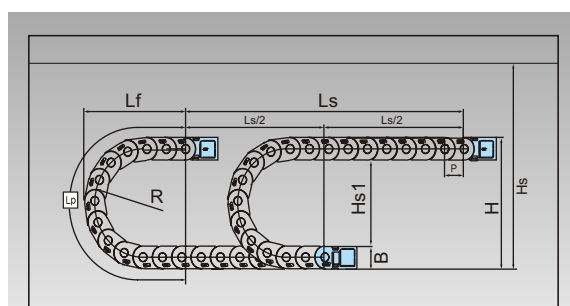
**CPS036N**

| Bending Radius R | 50  | 70  | 90  | 120 | 150 |
|------------------|-----|-----|-----|-----|-----|
| Lp               | 300 | 360 | 420 | 520 | 615 |
| Lf               | 143 | 163 | 183 | 213 | 243 |
| H                | 138 | 178 | 218 | 378 | 338 |

**CPS050N**

| Bending Radius R | 75  | 100 | 125 | 150 | 200 |
|------------------|-----|-----|-----|-----|-----|
| Lp               | 436 | 514 | 593 | 671 | 828 |
| Lf               | 200 | 226 | 252 | 276 | 327 |
| H                | 203 | 253 | 303 | 353 | 453 |

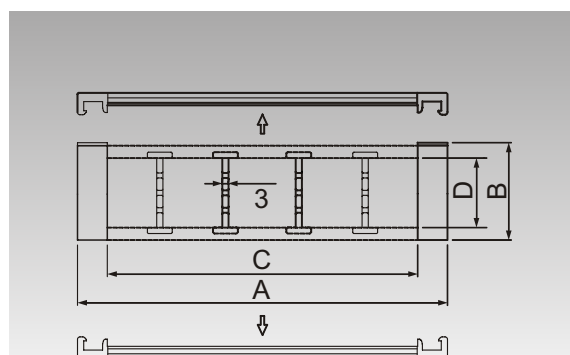
Technical Dimensions (mm)



**Ls : Stroke**  
**Total Length L = LS / 2 + Lp**  
**Safe space Hs = H + 35 mm**

**Chain Cross Section**

| Cat. No.    | A   | B  | C   | D  | Bending Radius            |
|-------------|-----|----|-----|----|---------------------------|
| CPS036N.35  | 59  | 38 | 35  | 28 | 50, 70, 90,<br>120, 150   |
| CPS036N.55  | 79  | 38 | 55  | 28 |                           |
| CPS036N.75  | 99  | 38 | 75  | 28 |                           |
| CPS036N.100 | 124 | 38 | 100 | 28 |                           |
| CPS036N.125 | 149 | 38 | 125 | 28 |                           |
| CPS050N.50  | 78  | 52 | 50  | 40 | 75, 100, 125,<br>150, 200 |
| CPS050N.75  | 103 | 52 | 75  | 40 |                           |
| CPS050N.100 | 128 | 52 | 100 | 40 |                           |
| CPS050N.125 | 153 | 52 | 125 | 40 |                           |
| CPS050N.150 | 178 | 52 | 150 | 40 |                           |
| CPS050N.175 | 203 | 52 | 175 | 40 |                           |
| CPS050N.200 | 228 | 52 | 200 | 40 |                           |



**End Bracket (Polyamide)**

| Cat. No.                           | End Bracket Type  | Suitable for Chain Size | Fixed Point | Moving Point |
|------------------------------------|-------------------|-------------------------|-------------|--------------|
| EBN036 B1/B2/B3<br>EBN050 B1/B2/B3 | Normal (B1/B2/B3) | CPS036N / CPS050N       |             |              |
| EBN036.E / EBN050.E                | Easy (B0)         | CPS036N / CPS050N       |             |              |