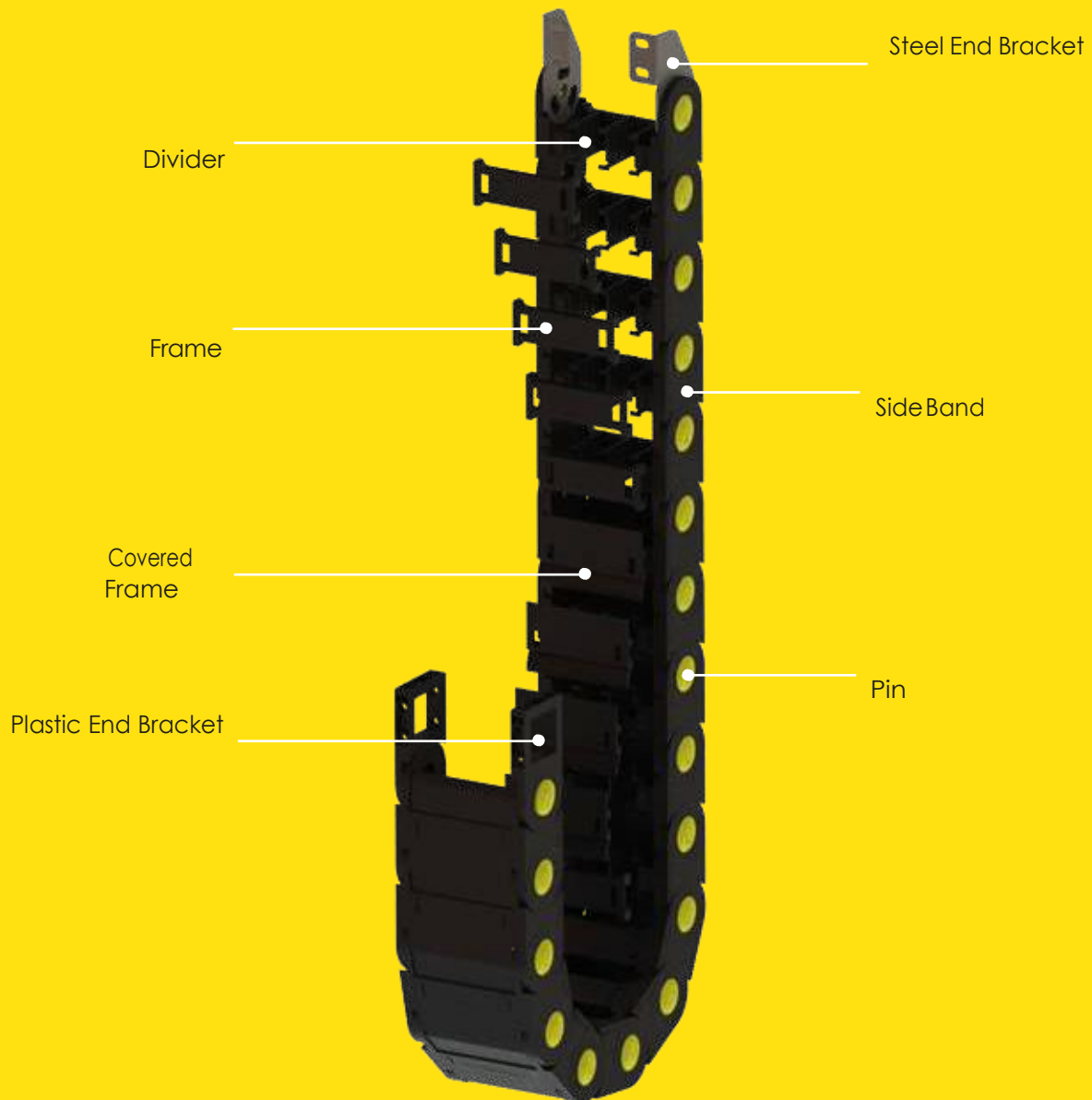

PLASTIC HEAVY SERIE

IRK40 SERIE



MATERIAL PROPERTIES

PA6 With %30 FiberGlass



APPLICATIONS

Gantry robot, Machining center, Textile machine, Welding machine, Feeder unit, Wood work machine, Fabric machine



SPEED

6m/sec

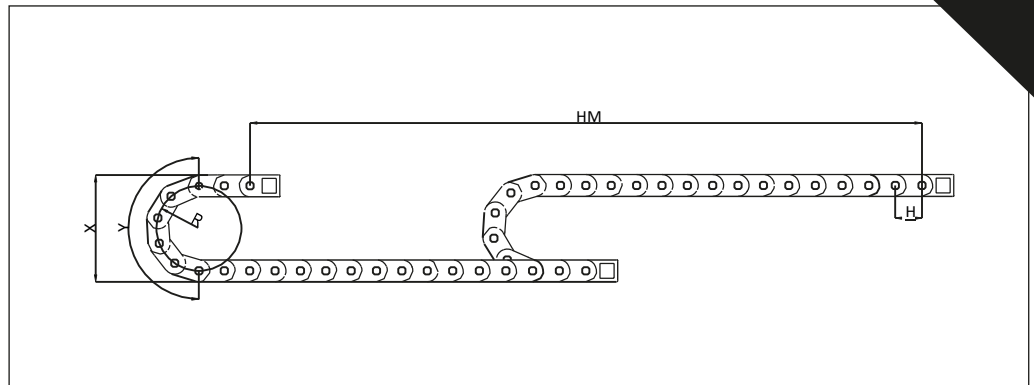


OPERATING TEMPERATURE

-30°C ~ + 130°C

IRK40 SERIE

- L Calculation of the chain length
- HM Distance
- Radius Distance
- Mounting Height
- Pitch



$$L = HM/2 + Y$$

$$X = R \times 2 + C$$

$$Y = R \times \pi$$

| IRK 40 A | OPEN DESIGN | A | B | C | D | W |
|---------------|-------------|-------------------|------------------|-------------------|------------------|--------------|
| MODEL | | Inner Height (mm) | Inner Width (mm) | Outer Height (mm) | Outer Width (mm) | Weight Kg/Mt |
| IRK40 A 080 R | 40 | 40 | 80 | 62 | 108 | 2.85 |
| IRK40 A 100 R | | | 100 | | 128 | 2.99 |
| IRK40 A 120 R | | | 120 | | 148 | 3.11 |
| IRK40 A 140 R | | | 140 | | 168 | 3.24 |
| IRK40 A 160 R | | | 160 | | 188 | 3.37 |
| IRK40 A 180 R | | | 180 | | 208 | 3.50 |
| IRK40 A 200 R | | | 200 | | 228 | 3.63 |

| IRK 40 Y | HALF COVERED | A | B | C | D | W |
|---------------|--------------|-------------------|------------------|-------------------|------------------|--------------|
| MODEL | | Inner Height (mm) | Inner Width (mm) | Outer Height (mm) | Outer Width (mm) | Weight Kg/Mt |
| IRK40 Y 100 R | | 40 | 100 | 62 | 128 | 3.17 |

| IRK 40 K | COVERED DESIGN | A | B | C | D | W |
|---------------|----------------|-------------------|------------------|-------------------|------------------|--------------|
| MODEL | | Inner Height (mm) | Inner Width (mm) | Outer Height (mm) | Outer Width (mm) | Weight Kg/Mt |
| IRK40 K 100 R | | 40 | 100 | 62 | 128 | 3.24 |

| R | Bending Radius | 75 | 100 | 125 | 150 | 200 | 250 | 300 |
|---|----------------|-----|-----|-----|-----|-----|-----|-----|
| | H (mm) | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| | X (mm) | 212 | 262 | 312 | 362 | 462 | 562 | 662 |
| | Y (mm) | 236 | 314 | 392 | 471 | 628 | 785 | 942 |

* R75 AND R100 IS ONLY FOR OPEN DESIGN.

IRK40 SERIE



ORDERING

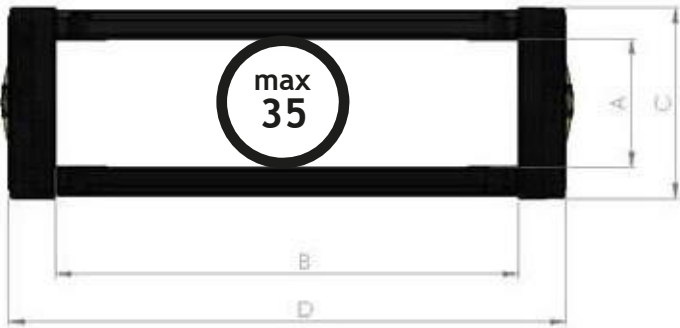
IRK40 A 80 R100

Inner Height

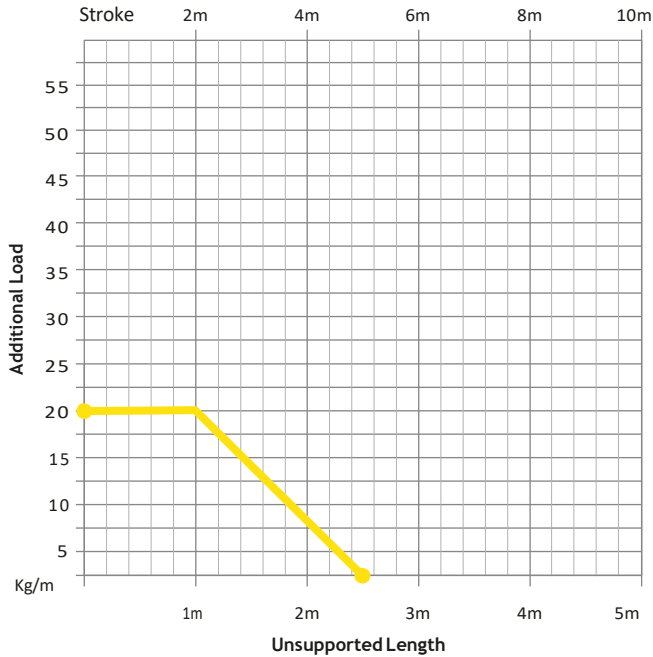
Open Design

Inner Width

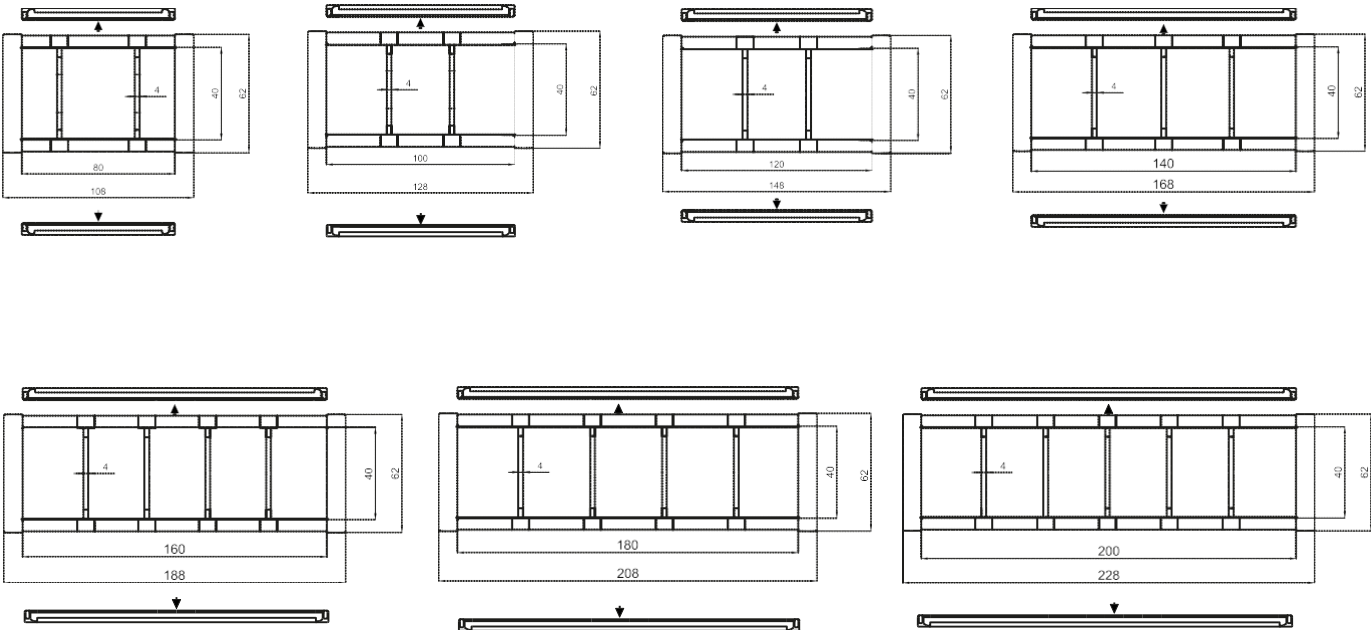
Bending Radius



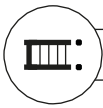
LOADDIAGRAM



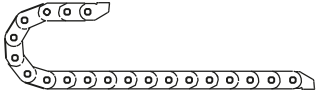
CHAIN CROSS SECTION



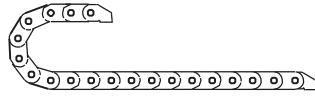
IRK40 SERIE



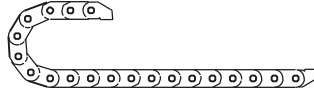
DRIVER & FIXED CONNECTIONS



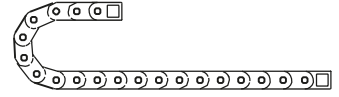
End Brackets



End Brackets

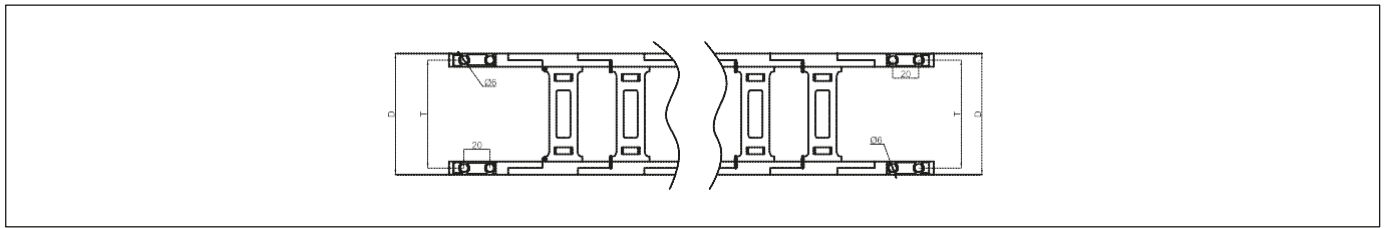


End Brackets

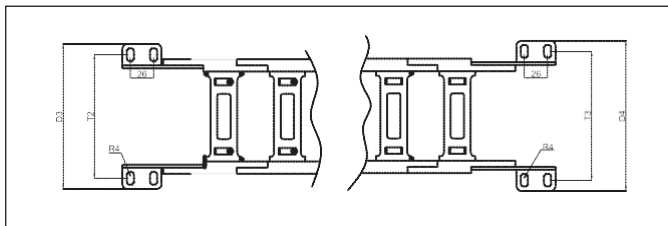


End Brackets

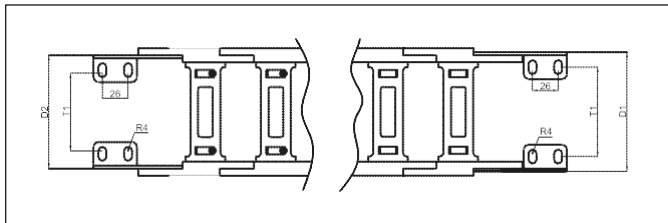
Plastic End Brackets Connection



Steel End Brackets Inside Connection



Steel End Brackets Outside Connection



| CODE | T | T1 | T2 | T3 | D | D1 | D2 | D3 | D4 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| IRK40A 080 | 94 | 65 | 125 | 140 | 108 | 104 | 94 | 150 | 165 |
| IRK40A 100 | 114 | 85 | 145 | 160 | 128 | 124 | 114 | 170 | 185 |
| IRK40A 120 | 134 | 105 | 165 | 180 | 148 | 144 | 134 | 190 | 205 |
| IRK40A 140 | 154 | 125 | 185 | 200 | 168 | 164 | 154 | 210 | 225 |
| IRK40A 160 | 174 | 145 | 205 | 220 | 188 | 184 | 174 | 230 | 245 |
| IRK40A 180 | 194 | 165 | 225 | 240 | 208 | 204 | 194 | 250 | 265 |
| IRK40A 200 | 214 | 185 | 245 | 260 | 228 | 224 | 214 | 270 | 285 |

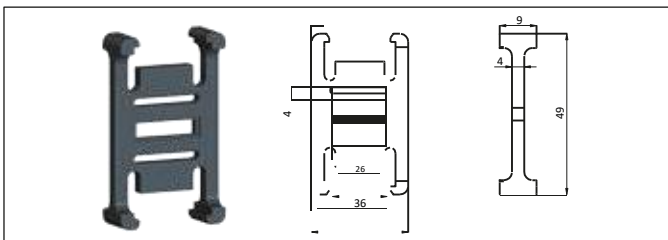
| CODE | T | T1 | T2 | T3 | D | D1 | D2 | D3 | D4 |
|------------|-----|----|-----|-----|-----|-----|-----|-----|-----|
| IRK40Y 100 | 114 | 85 | 145 | 160 | 128 | 124 | 114 | 170 | 185 |

| CODE | T | T1 | T2 | T3 | D | D1 | D2 | D3 | D4 |
|------------|-----|----|-----|-----|-----|-----|-----|-----|-----|
| IRK40K 100 | 114 | 85 | 145 | 160 | 128 | 124 | 114 | 170 | 185 |

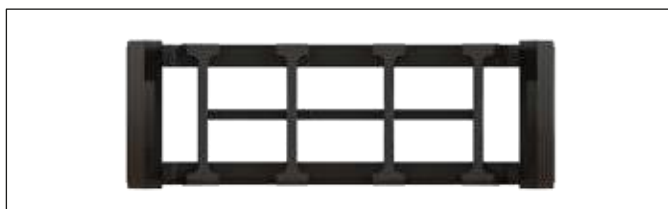
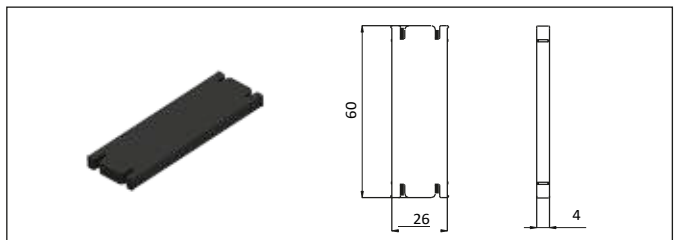


DIVIDER

VERTICAL DIVIDER



HORIZONTAL SEPARATOR

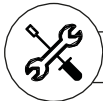


| T | TYPE | LENGTH (mm) |
|---|-------------|-------------|
| | IRK YSP 060 | 60 |
| | IRK YSP 080 | 80 |
| | IRK YSP 100 | 100 |

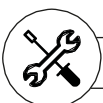


USE OF DIVIDER

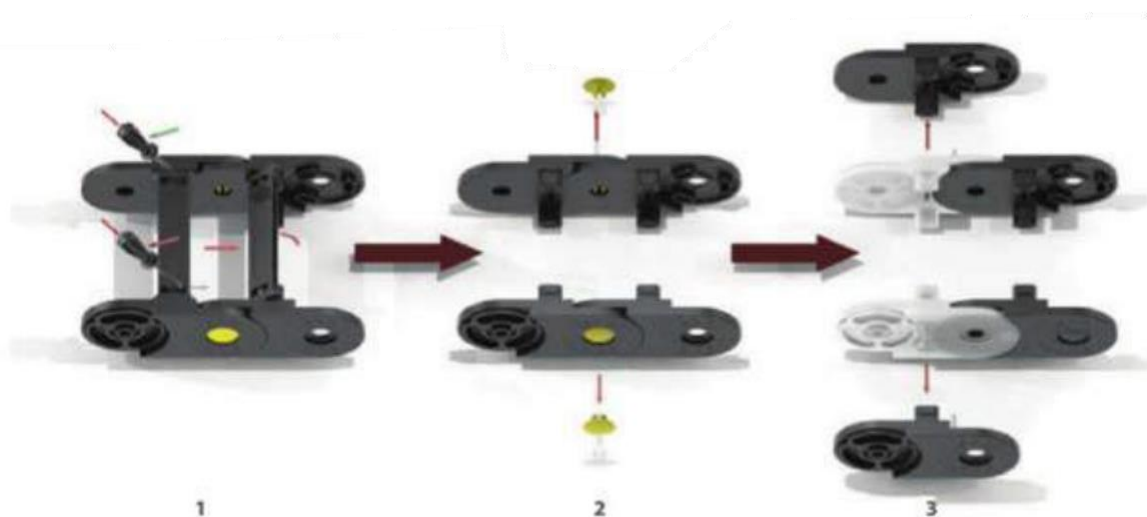
You can separate the cable and hose from each other by using vertical and horizontal divider.



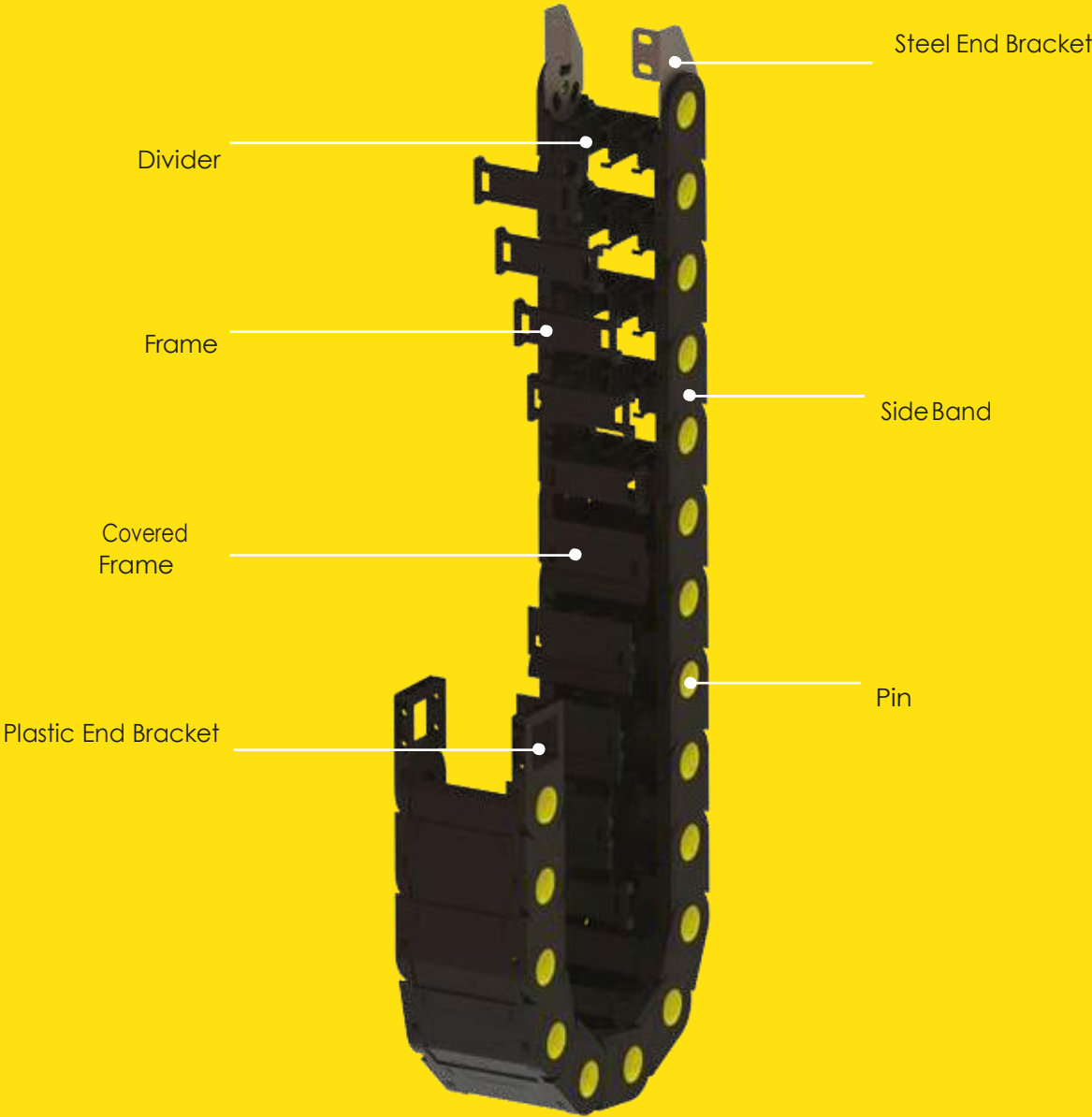
ASSEMBLY



DISASSEMBLY



IRK60 SERIE



MATERIAL PROPERTIES

PA6 With %30 FiberGlass



SPEED

6m/sec



APPLICATIONS

Gantry robot, Machining center, Textile machine, Welding machine, Feeder unit, Wood work machine, Fabric machine

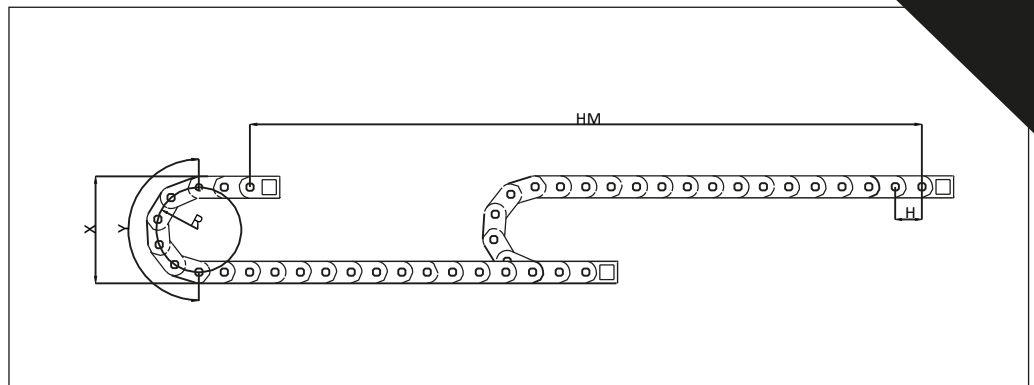


OPERATING TEMPERATURE

-30°C ~ + 130°C

IRK60 SERIE

- L** Calculation of the chain length
- HM** Distance
- R** Radius Distance
- H** Mounting Height
- P** Pitch



$$L = HM/2 + Y$$

$$X = R \times 2 + C$$

$$Y = R \times \pi$$

| IRK 60 A | OPEN DESIGN | A | B | C | D | W |
|---------------|-------------|-------------------|------------------|-------------------|------------------|--------------|
| MODEL | | Inner Height (mm) | Inner Width (mm) | Outer Height (mm) | Outer Width (mm) | Weight Kg/Mt |
| IRK60 A 080 R | 60 | 60 | 80 | 82 | 112 | 2.98 |
| IRK60 A 100 R | | | 100 | | 132 | 3.11 |
| IRK60 A 120 R | | | 120 | | 152 | 3.24 |
| IRK60 A 140 R | | | 140 | | 172 | 3.37 |
| IRK60 A 160 R | | | 160 | | 192 | 3.50 |
| IRK60 A 180 R | | | 180 | | 212 | 3.63 |
| IRK60 A 200 R | | | 200 | | 232 | 3.76 |

| IRK 60 Y | HALF COVERED | A | B | C | D | W |
|---------------|--------------|-------------------|------------------|-------------------|------------------|--------------|
| MODEL | | Inner Height (mm) | Inner Width (mm) | Outer Height (mm) | Outer Width (mm) | Weight Kg/Mt |
| IRK60 Y 100 R | 60 | 60 | 100 | 82 | 132 | 3.00 |
| IRK60 Y 140 R | | | 140 | | 172 | 3.40 |
| IRK60 Y 200 R | | | 200 | | 232 | 3.90 |

| IRK 60 K | COVERED DESIGN | A | B | C | D | W |
|---------------|----------------|-------------------|------------------|-------------------|------------------|--------------|
| MODEL | | Inner Height (mm) | Inner Width (mm) | Outer Height (mm) | Outer Width (mm) | Weight Kg/Mt |
| IRK60 K 100 R | 60 | 60 | 100 | 82 | 132 | 3.50 |
| IRK60 K 140 R | | | 140 | | 172 | 3.90 |
| IRK60 K 200 R | | | 200 | | 232 | 4.40 |

| R | Bending Radius | 100 | 150 | 200 | 250 | 300 |
|---|----------------|-----|-----|-----|-----|-----|
| | H (mm) | 91 | 91 | 91 | 91 | 91 |
| | X (mm) | 282 | 382 | 482 | 582 | 682 |
| | Y (mm) | 314 | 471 | 628 | 785 | 942 |

* R100 IS ONLY FOR OPEN DESIGN.

IRK60 SERIE



ORDERING

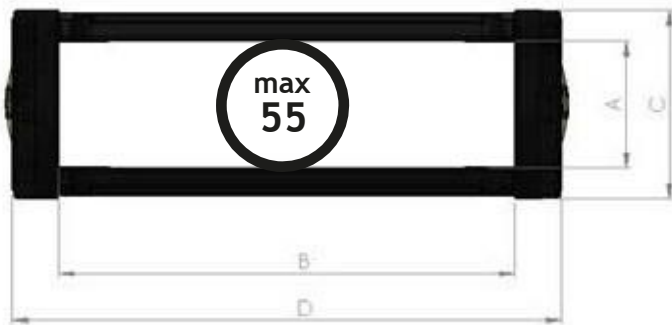
IRK60 A 80 R100

Inner Height

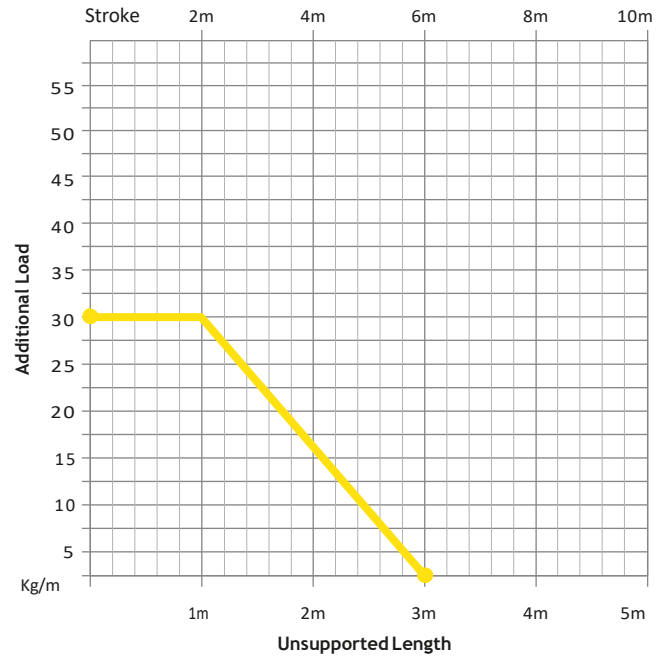
Open Design

Inner Width

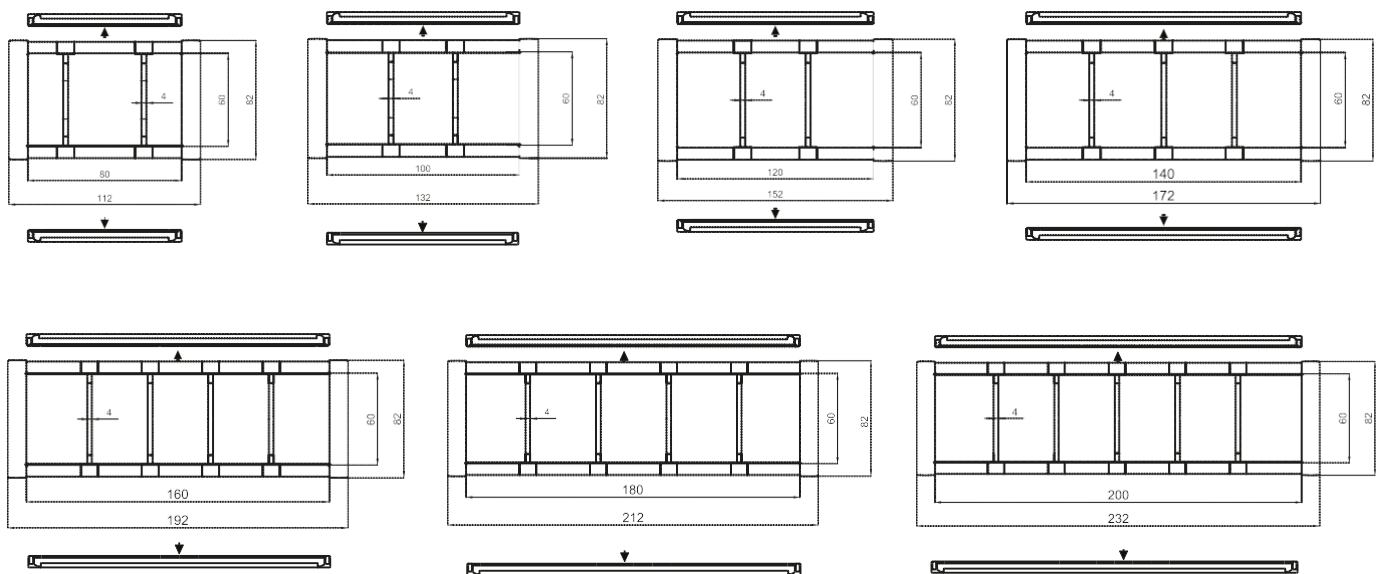
Bending Radius



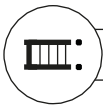
LOAD DIAGRAM



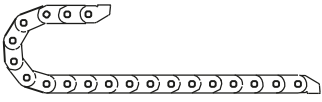
CHAIN CROSS SECTION



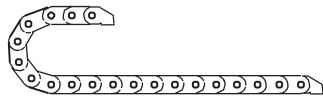
IRK60 SERIE



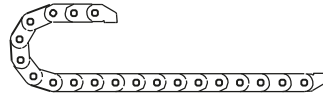
DRIVER & FIXED CONNECTIONS



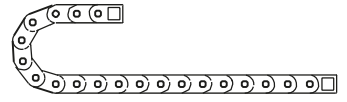
End Brackets



End Brackets

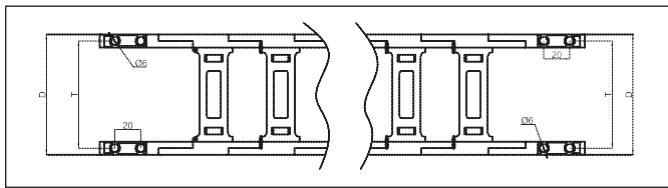


End Brackets)

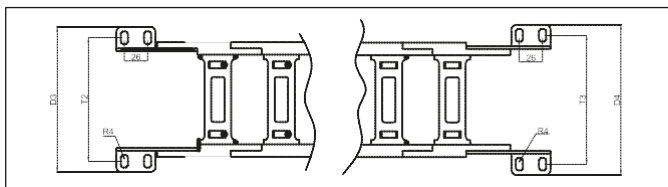


End Brackets

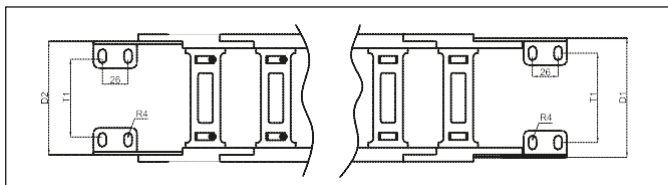
Plastic End Brackets Connection



Steel End Brackets Inside Connection



Steel End Brackets Outside Connection



| CODE | T | T1 | T2 | T3 | D | D1 | D2 | D3 | D4 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| IRK60A 080 | 96 | 65 | 123 | 145 | 110 | 108 | 98 | 147 | 170 |
| IRK60A 100 | 116 | 85 | 143 | 165 | 130 | 128 | 118 | 167 | 190 |
| IRK60A 120 | 136 | 105 | 163 | 185 | 150 | 148 | 138 | 187 | 210 |
| IRK60A 140 | 156 | 125 | 183 | 205 | 170 | 168 | 158 | 207 | 230 |
| IRK60A 160 | 176 | 145 | 203 | 225 | 190 | 188 | 178 | 227 | 250 |
| IRK60A 180 | 196 | 165 | 223 | 245 | 210 | 208 | 198 | 247 | 270 |
| IRK60A 200 | 216 | 185 | 243 | 265 | 230 | 228 | 218 | 267 | 290 |

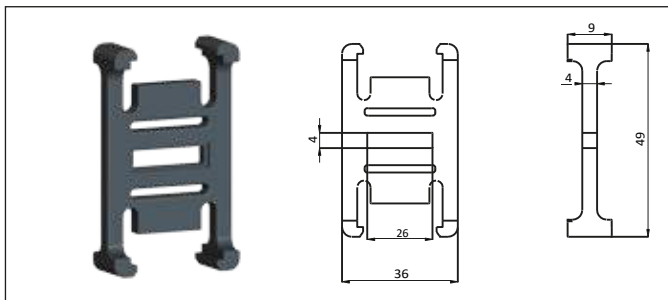
| CODE | T | T1 | T2 | T3 | D | D1 | D2 | D3 | D4 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| IRK60Y 100 | 116 | 85 | 143 | 165 | 130 | 128 | 118 | 167 | 190 |
| IRK60Y 140 | 156 | 125 | 183 | 205 | 170 | 168 | 158 | 207 | 230 |
| IRK60Y 200 | 216 | 185 | 243 | 265 | 230 | 228 | 218 | 267 | 290 |

| CODE | T | T1 | T2 | T3 | D | D1 | D2 | D3 | D4 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| IRK60K 100 | 116 | 85 | 143 | 165 | 130 | 128 | 118 | 167 | 190 |
| IRK60K 140 | 156 | 125 | 183 | 205 | 170 | 168 | 158 | 207 | 230 |
| IRK60K 200 | 216 | 185 | 243 | 265 | 230 | 228 | 218 | 267 | 290 |

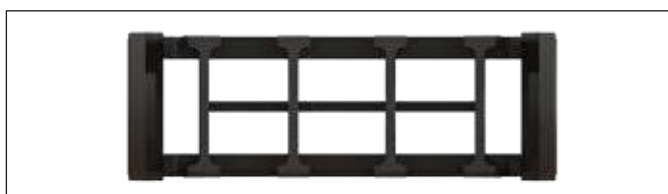
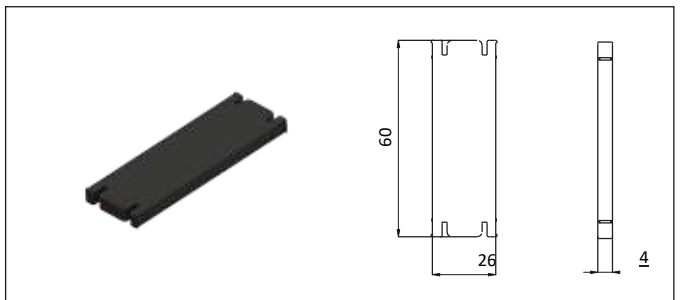


DIVIDER

VERTICAL DIVIDER



HORIZONTAL SEPARATOR



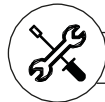
| T | TYPE | LENGHT (mm) |
|---|-------------|-------------|
| | IRK YSP 060 | 60 |
| | IRK YSP 080 | 80 |
| | IRK YSP 100 | 100 |

IRK60 SERIE

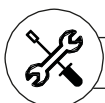


USE OF DIVIDER

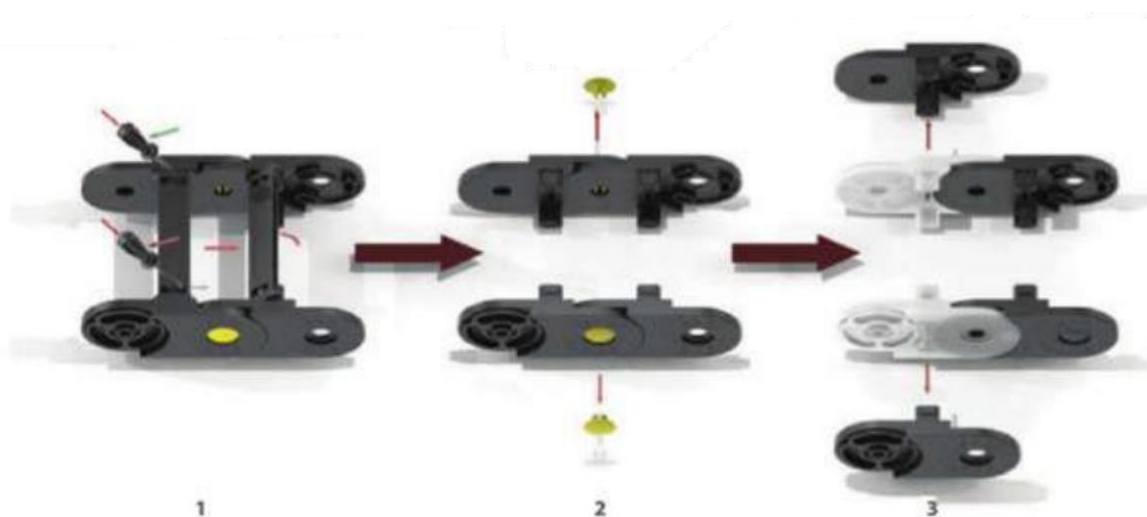
You can separate the cable and hose from each other by using vertical and horizontal divider.



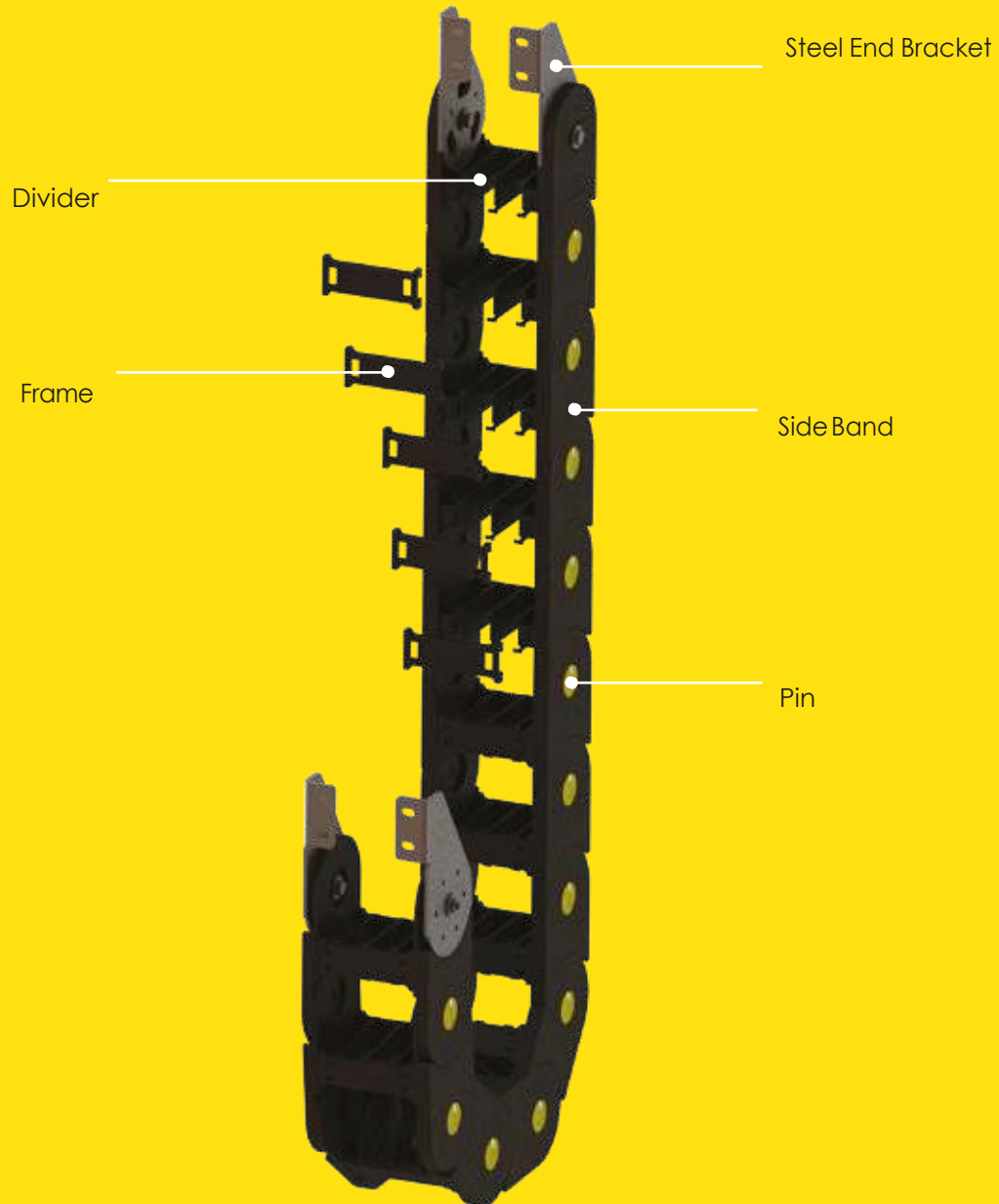
ASSEMBLY



DISASSEMBLY



IRK80 SERIE



MATERIAL PROPERTIES

PA6 With %30 Fiber Glass



SPEED

6m/sec



APPLICATIONS

Gantry robot, Machining center, Textile machine, Welding machine, Feeder unit, Wood work machine, Fabric machine

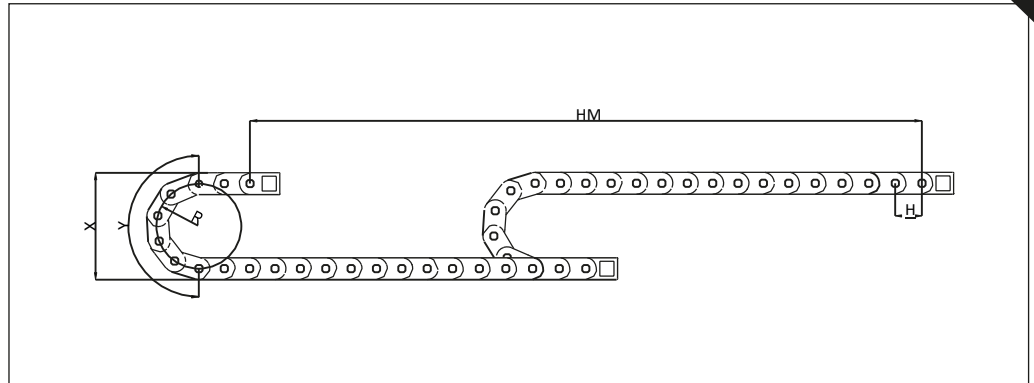


OPERATING TEMPERATURE

-30°C ~ + 130°C

IRK80 SERIE

- L** Calculation of the chain length
- HM** Distance
- Radius Distance
- Mounting Height
- Pitch



$$L = HM/2 + Y$$

$$X = R \times 2 + C$$

$$Y = R \times \pi$$

| IRK 80 A OPEN DESIGN | A | B | C | D | W |
|----------------------|-------------------|------------------|-------------------|------------------|--------------|
| MODEL | Inner Height (mm) | Inner Width (mm) | Outer Height (mm) | Outer Width (mm) | Weight Kg/Mt |
| IRK80 A 080 R | 80 | 80 | 102 | 112 | 3.10 |
| IRK80 A 100 R | | 100 | | 132 | 3.23 |
| IRK80 A 120 R | | 120 | | 152 | 3.36 |
| IRK80 A 140 R | | 140 | | 172 | 3.49 |
| IRK80 A 160 R | | 160 | | 192 | 3.62 |
| IRK80 A 180 R | | 180 | | 212 | 3.75 |
| IRK80 A 200 R | | 200 | | 232 | 3.88 |

| R | Bending Radius | 150 | 200 | 250 | 300 |
|---|----------------|-----|-----|-----|-----|
| | H (mm) | 110 | 110 | 110 | 110 |
| | X (mm) | 402 | 502 | 602 | 702 |
| | Y (mm) | 471 | 628 | 785 | 942 |

IRK80 SERIE



ORDERING

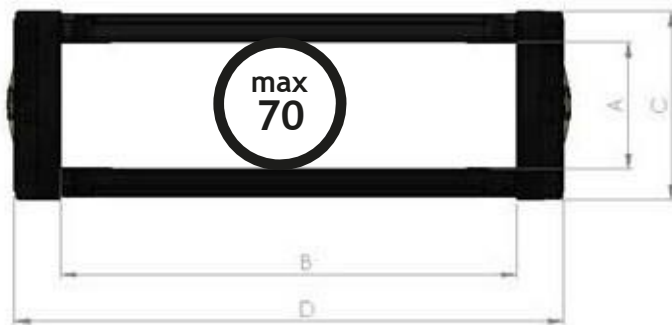
IRK80 A 80 R200

Inner Height

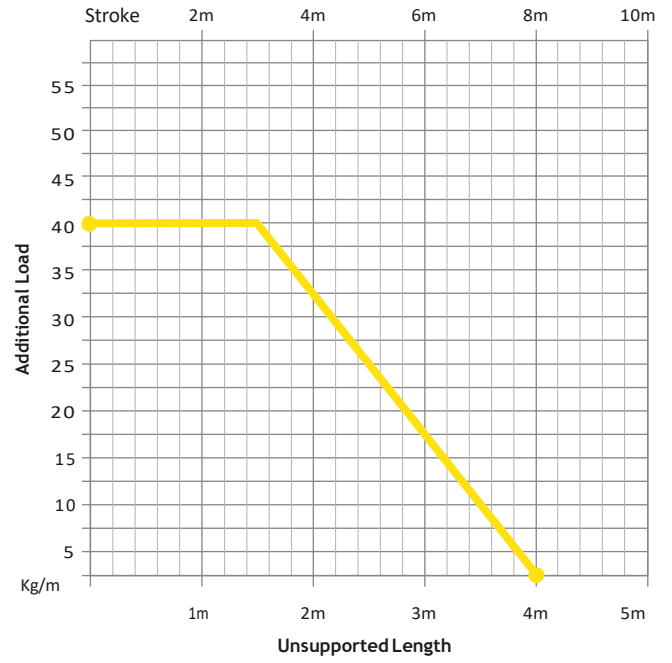
Open Design

Inner Width

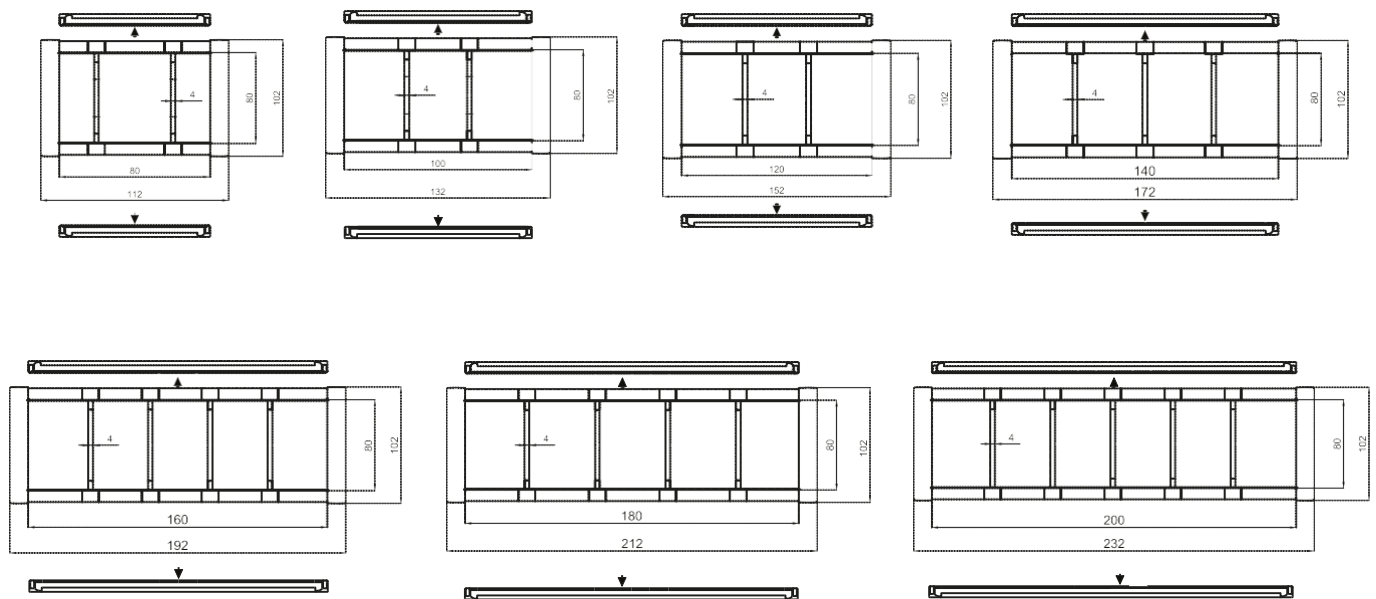
Bending Radius



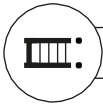
LOAD DIAGRAM



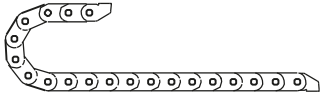
CHAIN CROSS SECTION



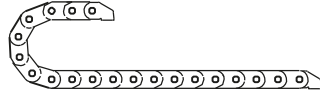
IRK80 SERIE



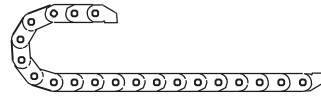
DRIVER & FIXED CONNECTIONS



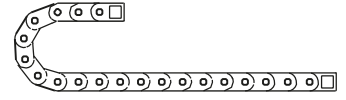
End Brackets



End Brackets

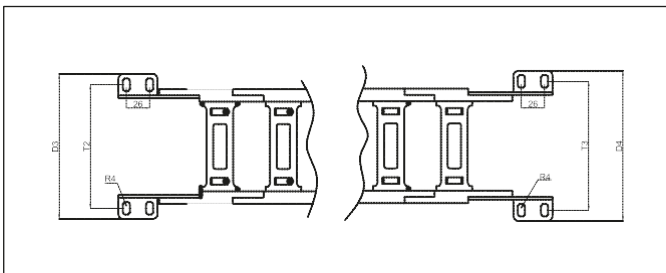


End Brackets

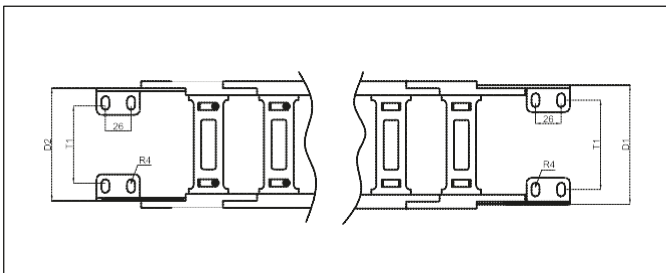


End Brackets

Steel End Brackets Inside Connection



Steel End Brackets Outside Connection

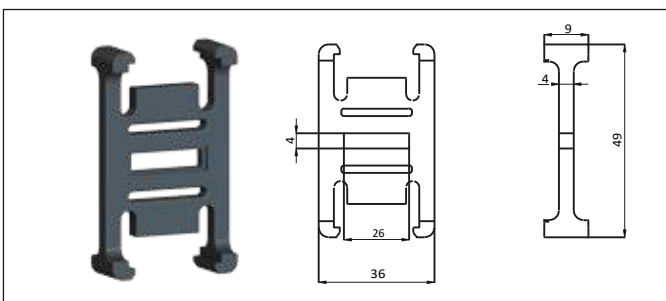


| CODE | T1 | T2 | T3 | D1 | D2 | D3 | D4 |
|------------|-----|-----|-----|-----|-----|-----|-----|
| IRK80A 080 | 60 | 140 | 163 | 108 | 98 | 166 | 188 |
| IRK80A 100 | 80 | 160 | 183 | 128 | 118 | 186 | 208 |
| IRK80A 120 | 100 | 180 | 203 | 148 | 138 | 206 | 228 |
| IRK80A 140 | 120 | 200 | 223 | 168 | 158 | 226 | 248 |
| IRK80A 160 | 140 | 220 | 243 | 188 | 178 | 246 | 268 |
| IRK80A 180 | 160 | 240 | 263 | 208 | 198 | 266 | 288 |
| IRK80A 200 | 180 | 260 | 283 | 228 | 218 | 286 | 308 |

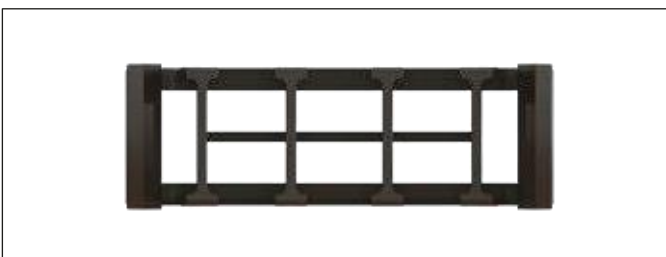
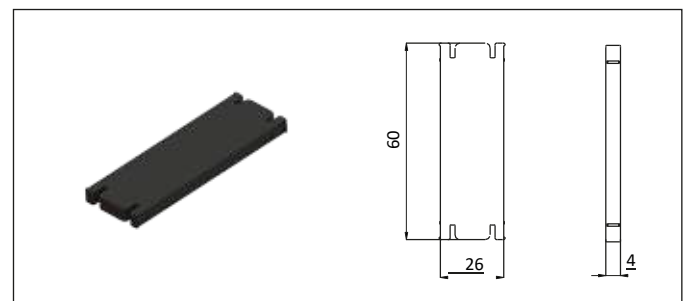


DIVIDER

VERTICAL DIVIDER



HORIZONTAL SEPARATOR

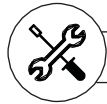


| T | TYPE | LENGHT (mm) |
|---|-------------|-------------|
| | IRK YSP 060 | 60 |
| | IRK YSP 080 | 80 |
| | IRK YSP 100 | 100 |

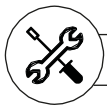


USE OF DIVIDER

You can separate the cable and hose from each other by using vertical and horizontal divider.



ASSEMBLY



DISASSEMBLY

