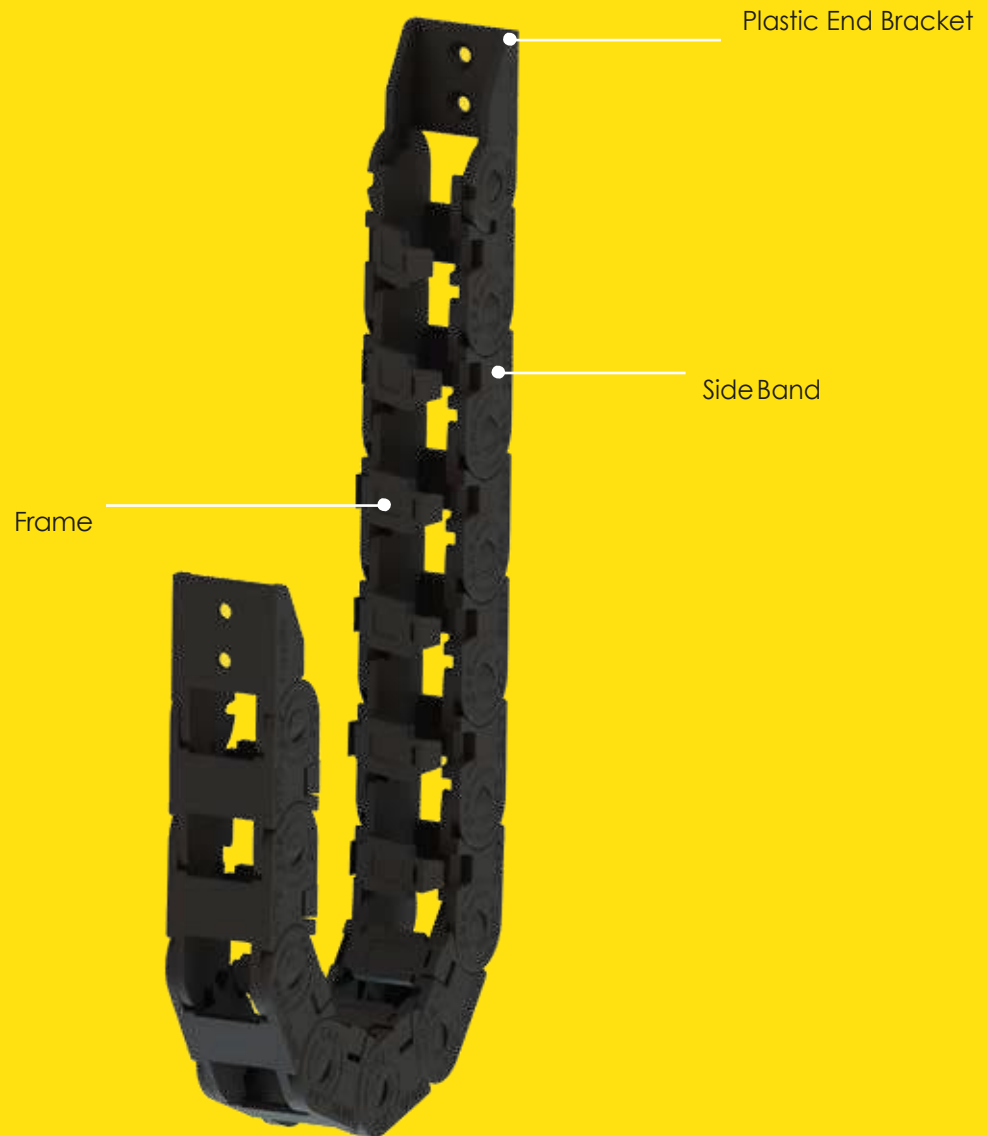


---

# PLASTICLIGHT SERIE

---

# IRK15 SERIE



## MATERIAL PROPERTIES

PA6 With %30 FiberGlass



## SPEED

8m/sec



## APPLICATIONS

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

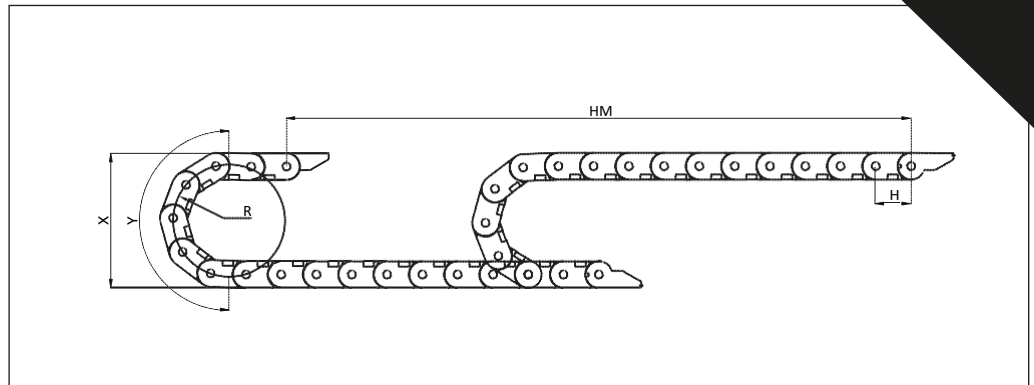


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK15 SERIE

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



$L = HM/2 + Y$

$X = R \times 2 + C$

$Y = R \times \pi$

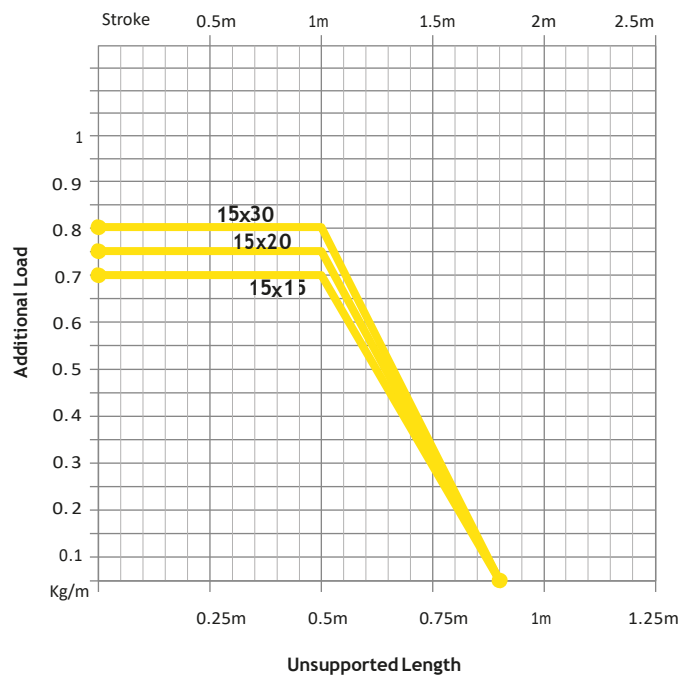
IRK 15 A OPENABLE FRAME	A	B	C	D	W
MODEL	Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK15 A 015 R025	15	15	20	25	0.23

IRK 15 F FIXED FRAME	A	B	C	D	W
MODEL	Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK15 F 020 R035	15	20	20	29	0.27
IRK15 F 030 R035	15	30	20	39	0.30

R	Bending Radius	25	35
	H (mm)	25	25
	X (mm)	70	90
	Y (mm)	79	110



LOAD DIAGRAM



ORDERING

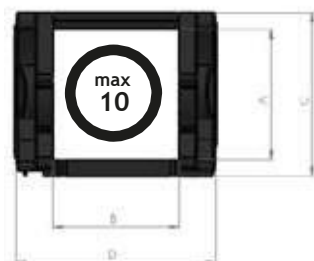
## IRK15 A 015 R025

Inner Height

Open Design

Inner Width

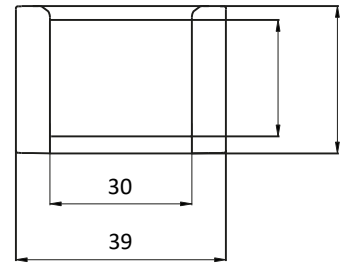
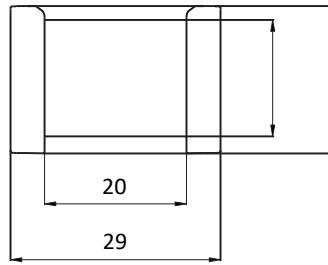
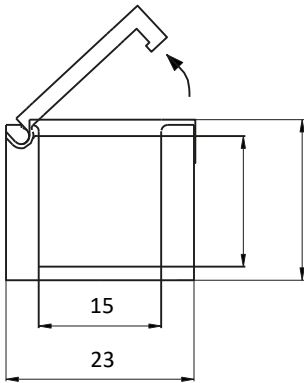
Bending Radius



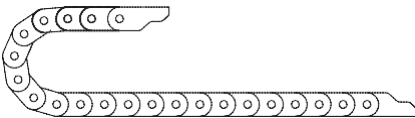
# IRK15 SERIE



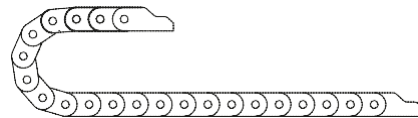
## CHAIN CROSS SECTION



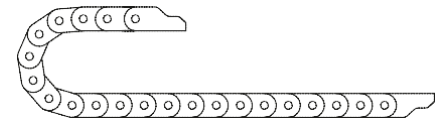
## DRIVER & FIXED CONNECTIONS



End Brackets



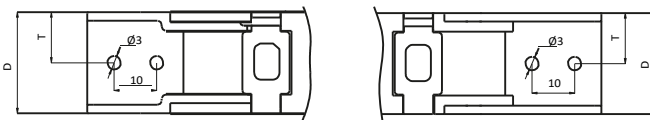
End Brackets



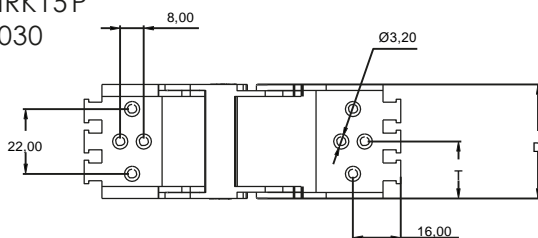
End Brackets

Plastic End Brackets Connection

IRK15 P 015 - IRK15 P 020

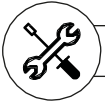


IRK15P  
030



CODE	T	D
IRK15 P 015	12	24
IRK15 P 020	14,5	29
IRK15 P 030	19,5	39

# IRK15 SERIE



ASSEMBLY-DISASSEMBLY



# IRK20 SERIE

Plastic End Bracket



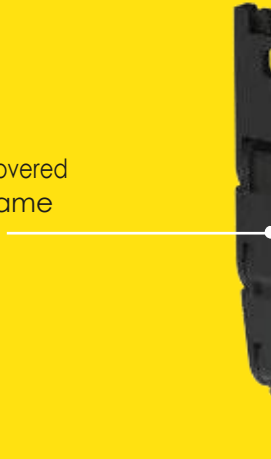
Side Band

Plastic End Bracket



Frame

Covered Frame



## MATERIAL PROPERTIES

PA6 With %30 FiberGlass



## SPEED

8m/sec



## APPLICATIONS

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

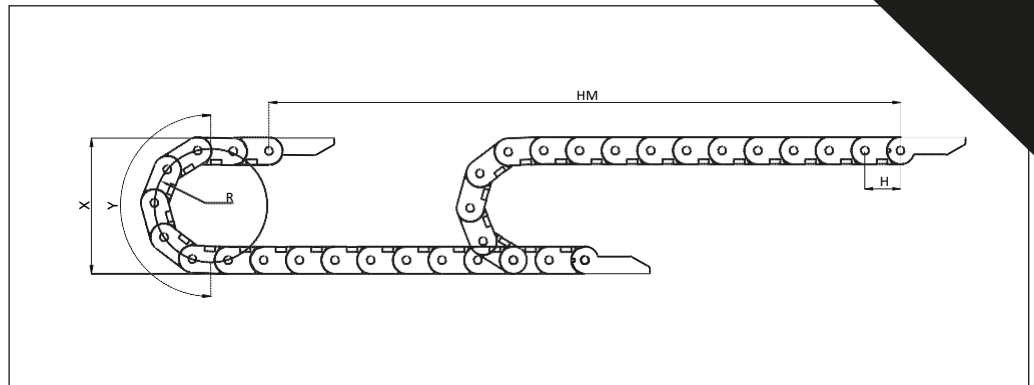


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK20 SERIE

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



**$L = HM/2 + Y$**

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

**$Y = R \times \pi$**

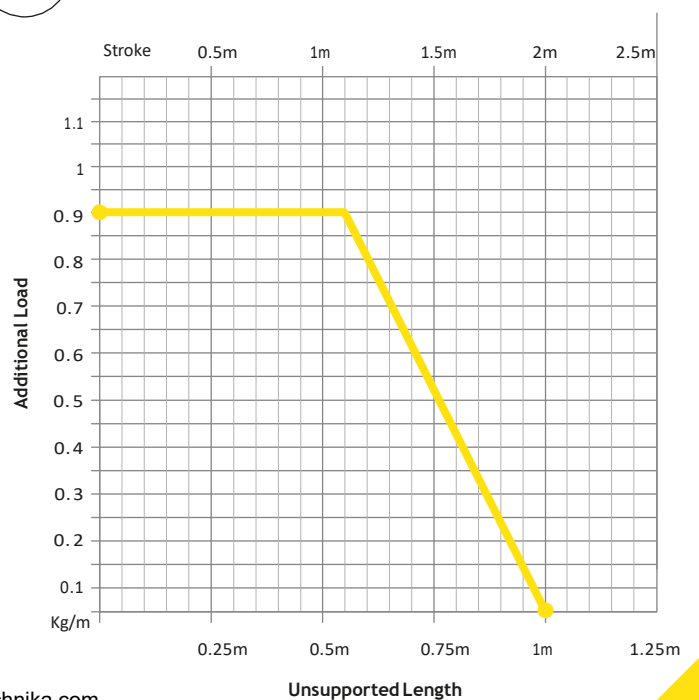
IRK 20 A OPEN FIX DESIGN	A	B	C	D	W
MODEL	Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK20 A 025 R040	20	25	26	37	0.40

IRK 20 Y HALF COVERED	A	B	C	D	W
MODEL	Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK20 Y 025 R040	20	25	26	37	0.40
IRK20 Y 040 R040		40		52	0.45
IRK20 Y 050 R040		50		62	0.50
IRK20 Y 060 R040		60		72	0.55

R	Bending Radius	40
	H (mm)	33
	X (mm)	106
	Y (mm)	126



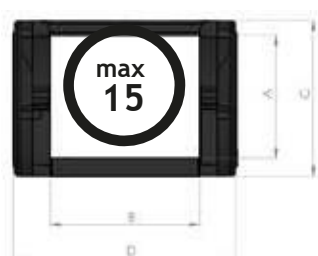
LOADDIAGRAM



ORDERING

## IRK20 A 50 R040

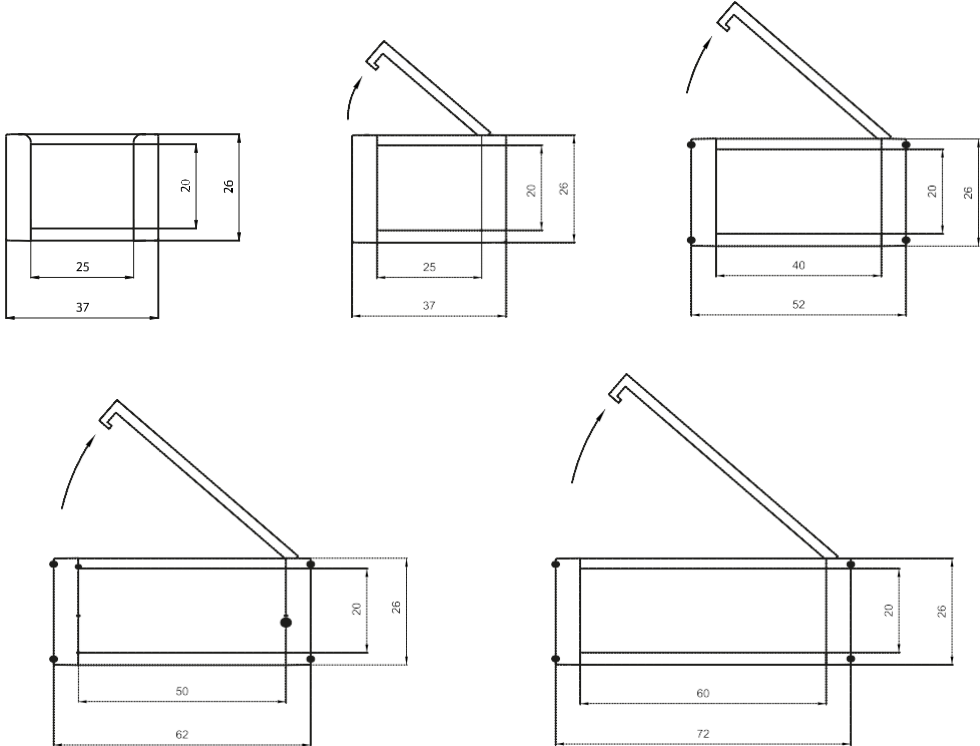
Inner Height    Open Design    Inner Width    Bending Radius



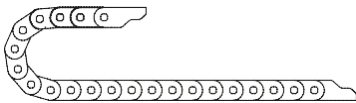
# IRK20 SERIE



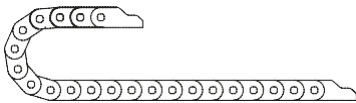
## CHAIN CROSS SECTION



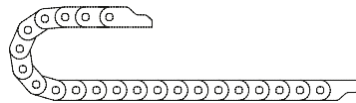
## DRIVER & FIXED CONNECTIONS



End Brackets

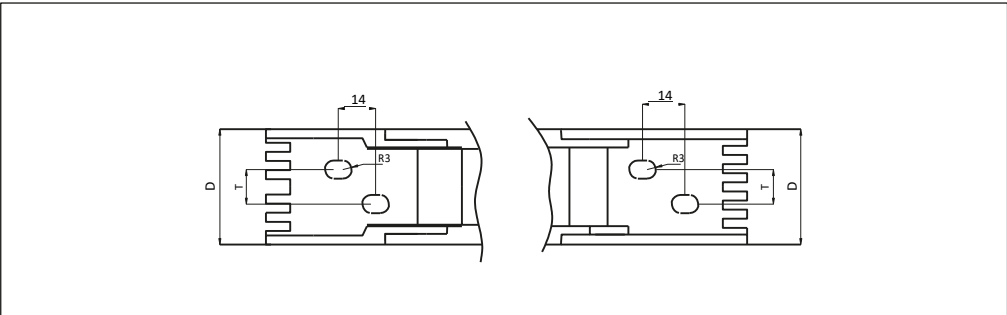


End Brackets



End Brackets

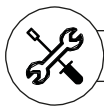
### Plastic End Brackets Connection



CODE	T	D
IRK20 A 025	10	39
IRK20 Y 025	10	39
IRK20 Y 040	10	54
IRK20 Y 050	25	64
IRK20 Y 060	32	74
IRK20 Y 060	32	74



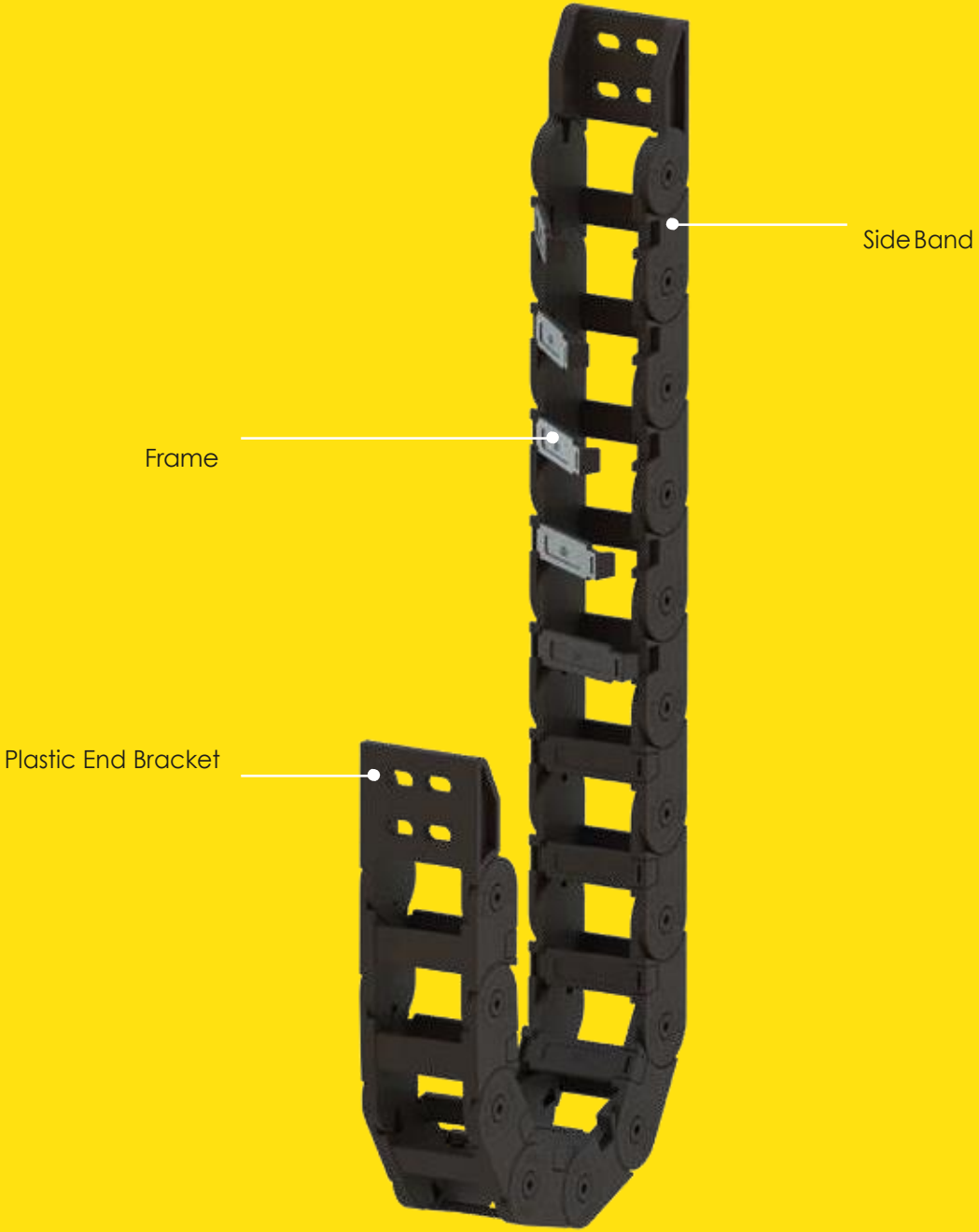
# IRK20 SERIE



ASSEMBLY-DISASSEMBLY



# IRK24 SERIE



## MATERIAL PROPERTIES

PA6 With %30 FiberGlass



## SPEED

8m/sec



## APPLICATIONS

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

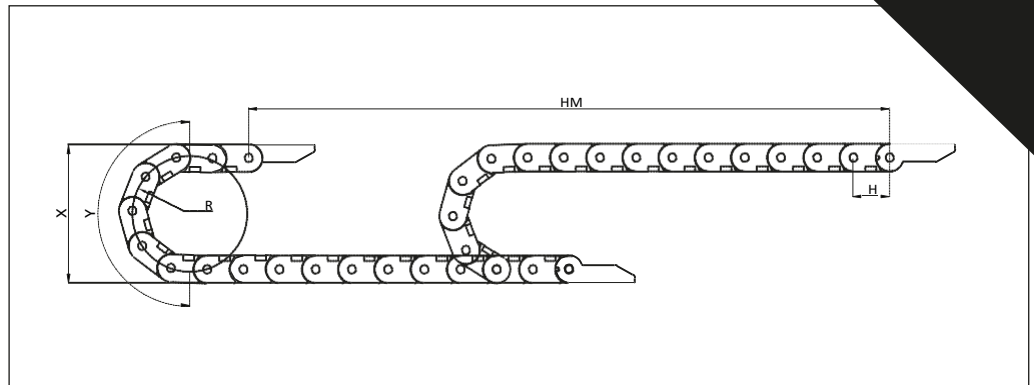


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK24 SERIE

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



**L = HM/2 + Y**

**X = R x 2 + C**

**Y = R x π**

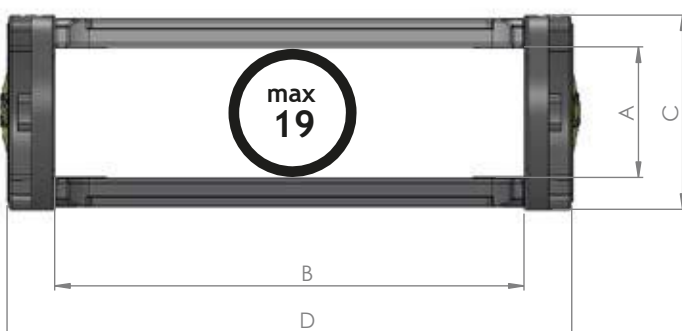
	A	B	C	D	W
MODEL	Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK24 A 025 R	24	25	32	39	0.45
IRK24 A 040 R		40		54	0.50
IRK24 A 050 R		50		64	0.55
IRK24 A 060 R		60		74	0.60
IRK24 B 060 R		60		74	0.60

R	Bending Radius	40	75	100	125
H (mm)		43.5	43.5	43.5	43.5
X (mm)		112	182	232	282
Y (mm)		126	236	314	393

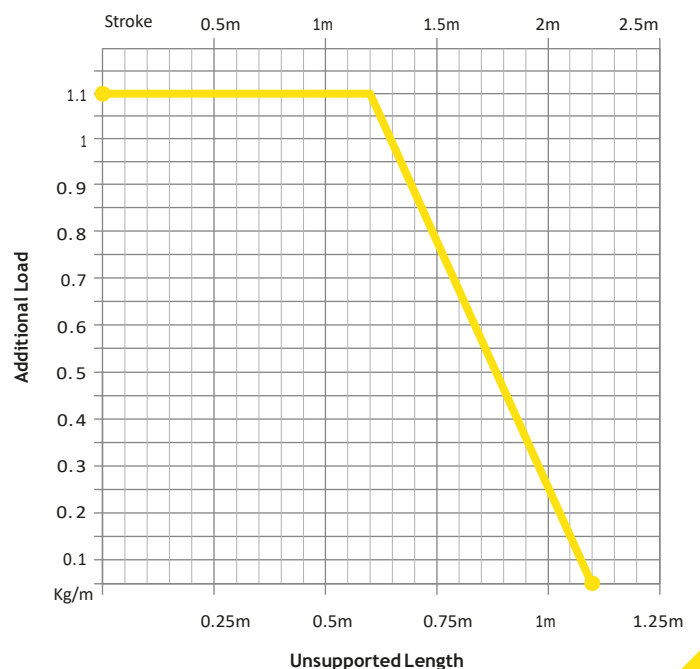
## ORDERING

**IRK24 A 50 R075**

Inner Height    Open Design    Inner Width    Bending Radius



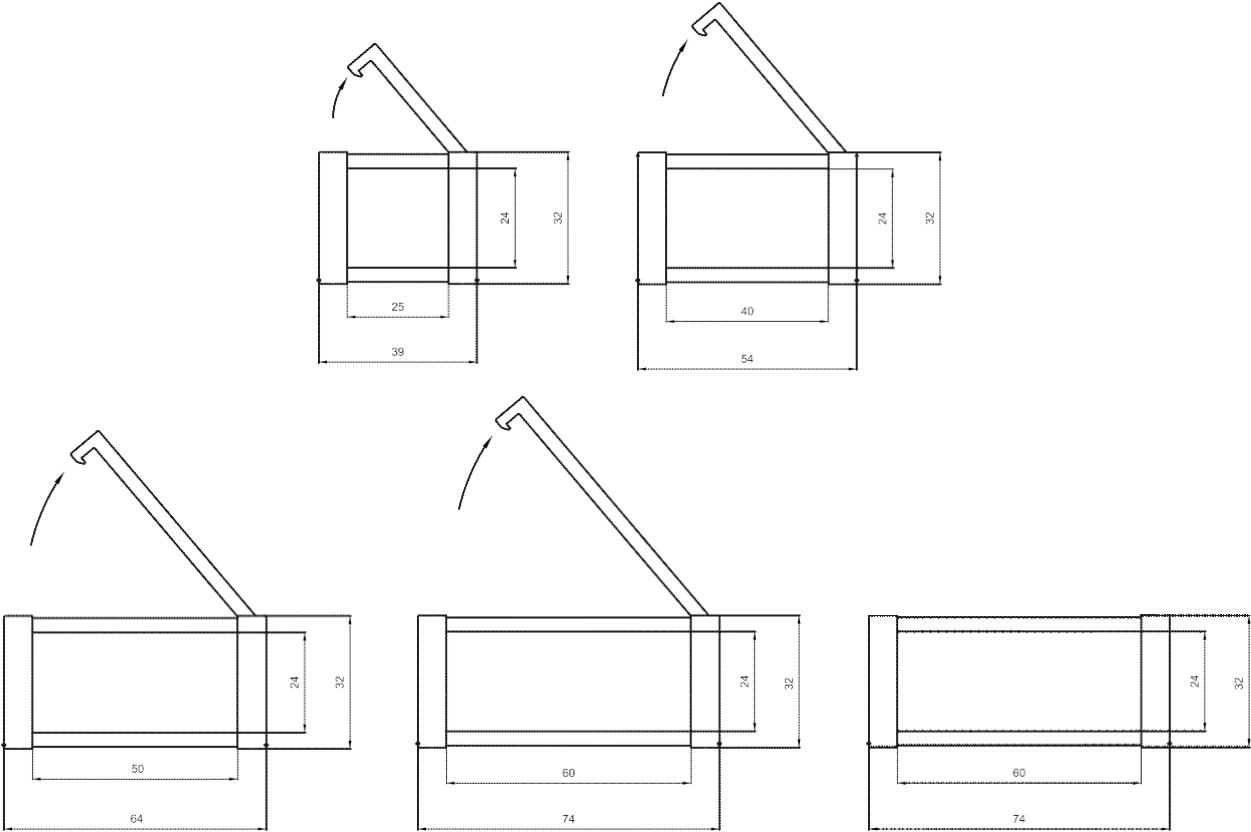
## LOAD DIAGRAM



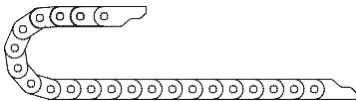
# IRK24 SERIE



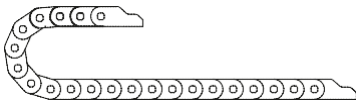
## CHAIN CROSS SECTION



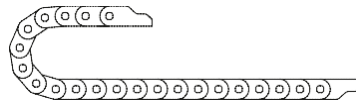
## DRIVER & FIXED CONNECTIONS



End Brackets

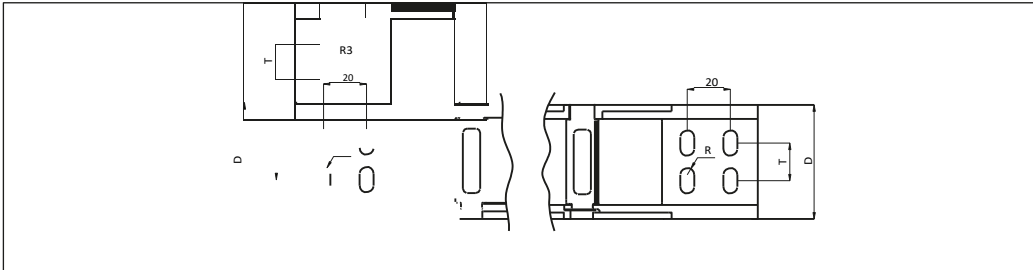


End Brackets



End Brackets

### Plastic End Brackets Connection

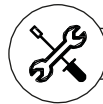
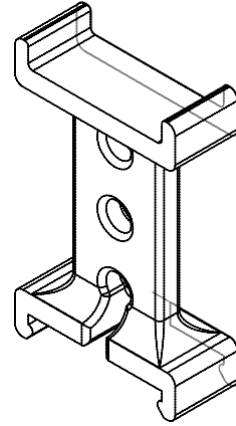
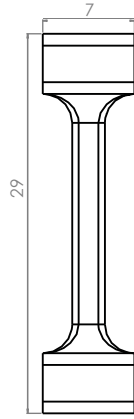
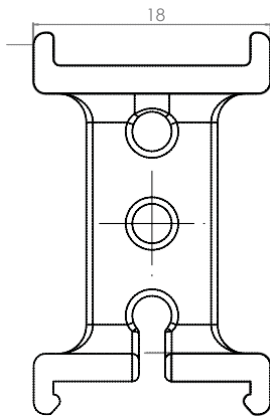


CODE	T	D
IRK24 A 025	8	39
IRK24 A 040	18	54
IRK24 A 050	22	64
IRK24 A 060	32	74
IRK24 B 060	32	74

# IRK24 SERIE



DIVIDER



ASSEMBLY-DISASSEMBLY

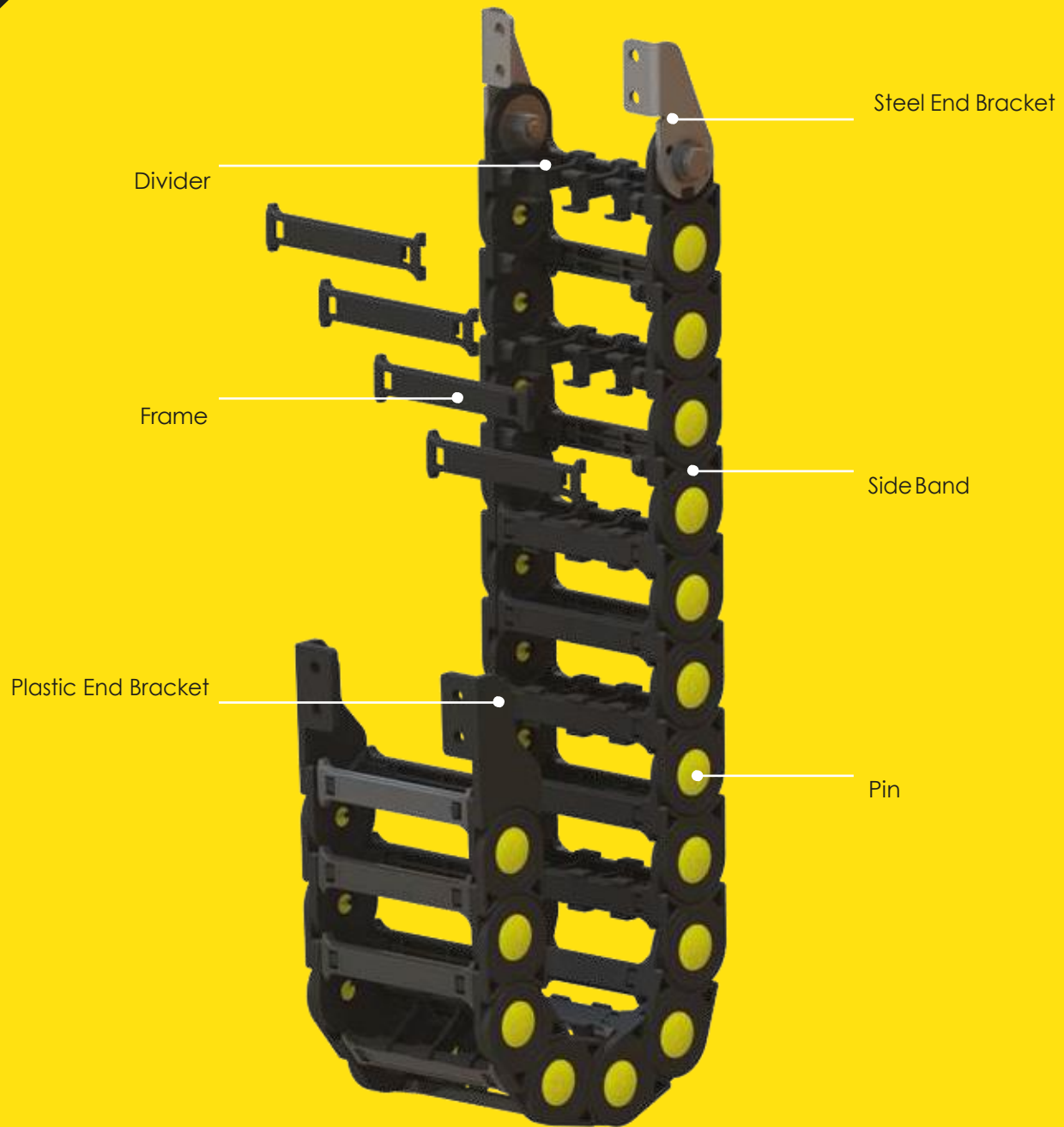


---

# PLASTIC MEDIUM SERIE

---

# IRK25 SERIE



## MATERIAL PROPERTIES

PA6 With %30 FiberGlass



## SPEED

8m/sec



## APPLICATIONS

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

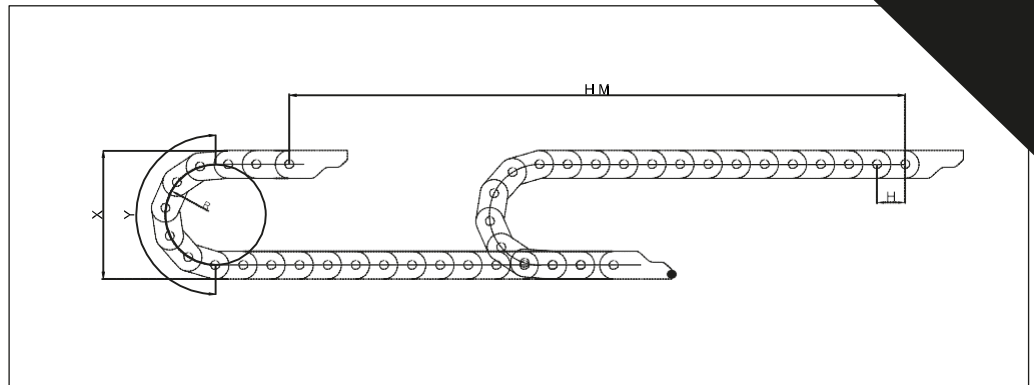


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK25 SERIE

- L** Calculation of the chain length
- HM** Movement Distance
- Y** Radius Distance
- X** Mounting Height
- H** Pitch



$L = HM/2 + Y$

$X = R \times 2 + C$

$Y = R \times \pi$

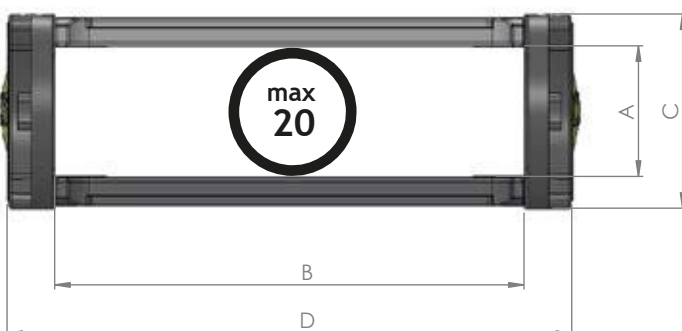
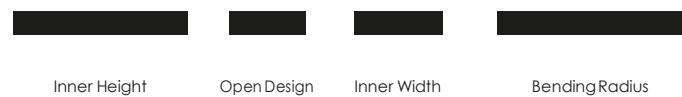
	A	B	C	D	W
MODEL	Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt

IRK25 A 040 R	25	40	42	62	1,26
IRK25 A 050 R		50		72	1,36
IRK25 A 060 R		60		82	1,46
IRK25 A 080 R		80		102	1,65
IRK25 A 100 R		100		122	1,86

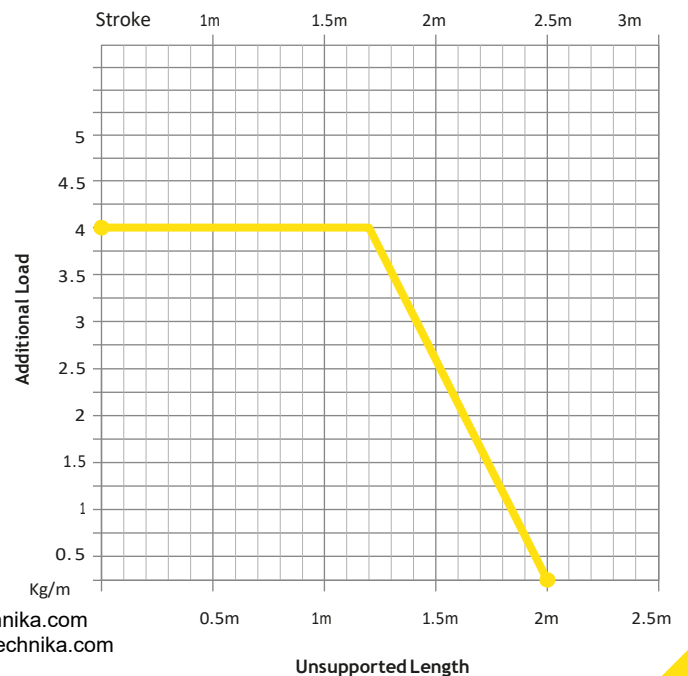
R	Bending Radius	40	75	100	125
	H (mm)	42	42	42	42
	X (mm)	122	192	242	292
	Y (mm)	126	236	314	393

## ORDERING

**IRK25 A 50 R075**



## LOAD DIAGRAM

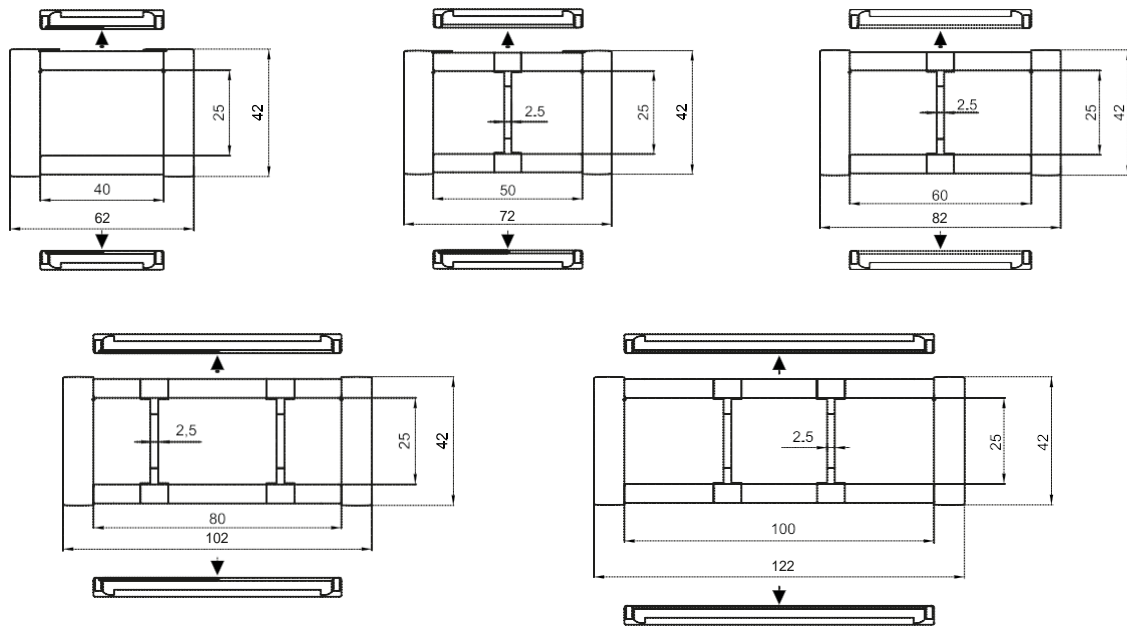




# IRK25 SERIE

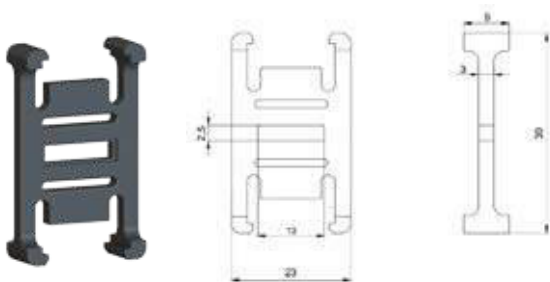


## CHAIN CROSS SECTION

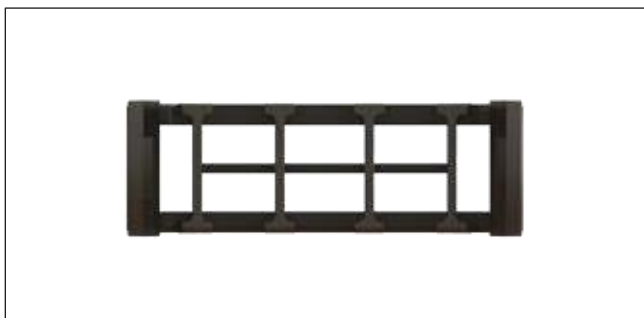
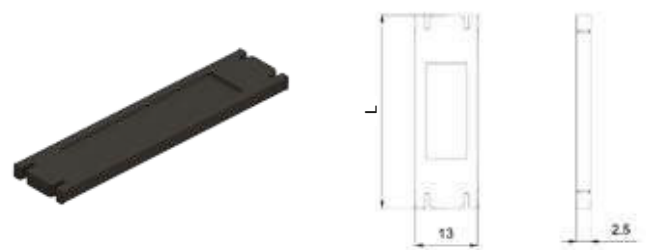


## DIVIDER

### VERTICAL DIVIDER

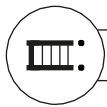


### HORIZONTAL SEPARATOR

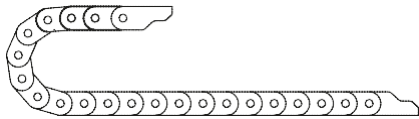


T	TYPE	LENGHT (L)
	IRK YSP 040	40 mm
	IRK YSP 060	60 mm
	IRK YSP 080	80 mm
	IRK YSP 100	100 mm

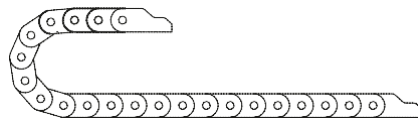
# IRK25 SERIE



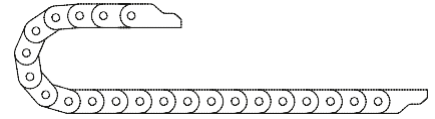
## DRIVER & FIXED CONNECTIONS



End Brackets

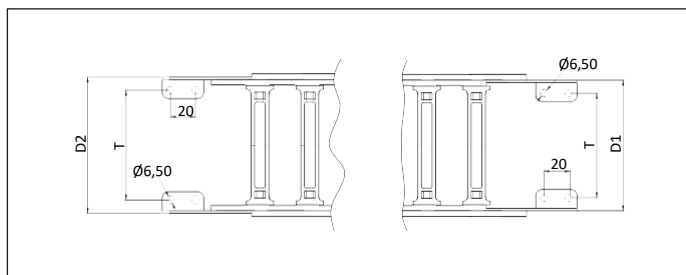


End Brackets

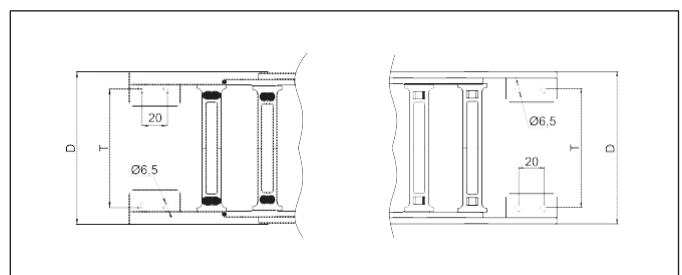


End Brackets

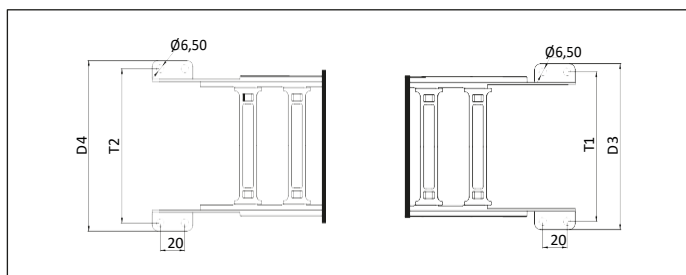
Steel End Brackets Inside Connection



Plastic End Brackets Connection



Steel End Brackets Outside Connection

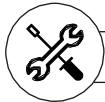


CODE	T	T1	T2	T3	T4	D	D1	D2	D3	D4
IRK25 A 040	32	63	75	25	34	60	50	56	80	89
IRK25 A 050	42	73	85	35	44	70	60	66	90	99
IRK25 A 060	52	83	95	45	54	80	70	76	100	109
IRK25 A 080	72	103	115	65	74	100	90	96	120	129
IRK25 A 100	92	123	135	85	94	120	110	116	140	149



## USE OF DIVIDER

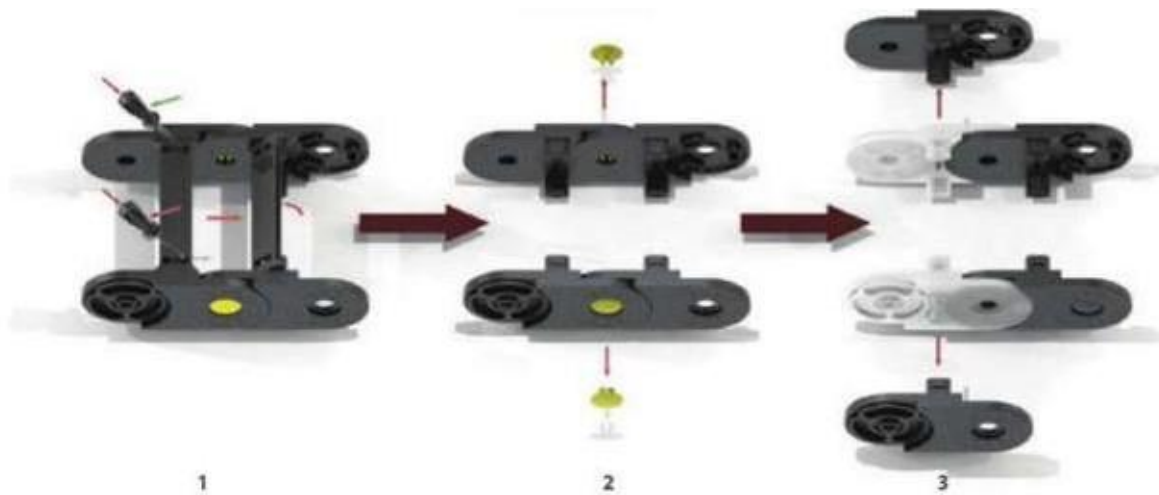
You can separate the cable and hose from each other by using vertical and horizontal divider.



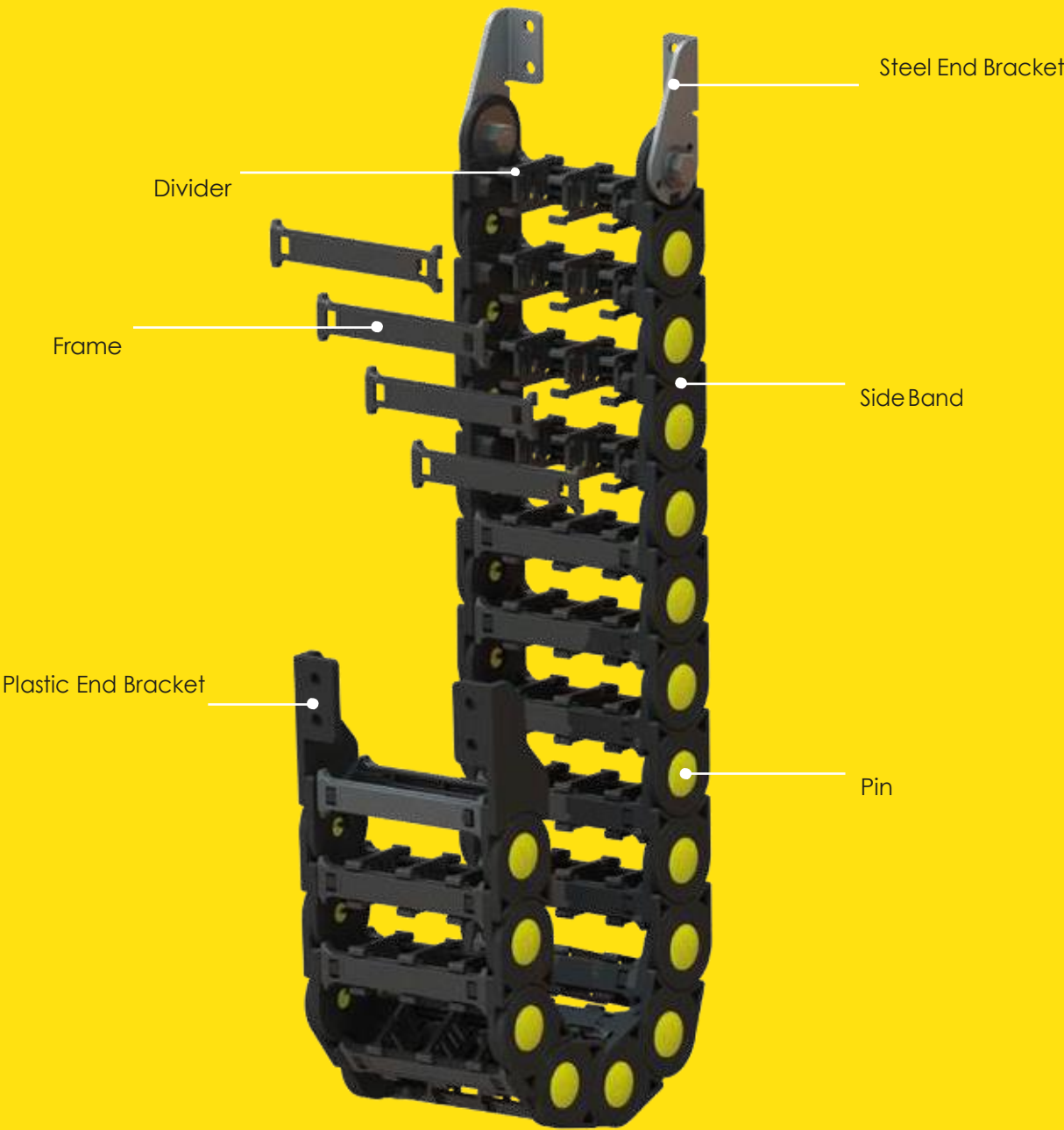
## ASSEMBLY



## DISASSEMBLY



# IRK30 SERIE



## MATERIAL PROPERTIES

PA6 With %30 FiberGlass



## SPEED

9m/sec



## APPLICATIONS

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

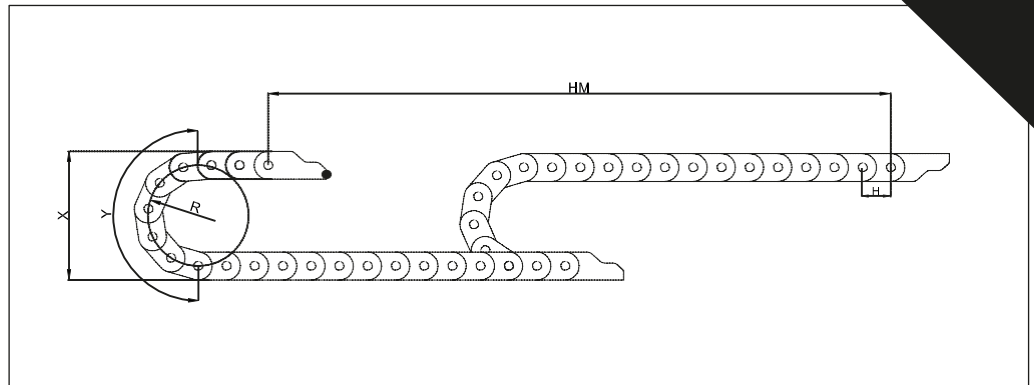


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK30 SERIE

- L** Calculation of the chain length
- HM** Movement Distance
- Y** Radius Distance
- X** Mounting Height
- H** Pitch



**L = HM/2 + Y**

**X = R x 2 + C**

**Y = R x π**

IRK 30 A	OPEN DESIGN	A	B	C	D	W
MODEL		Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK30 A 040 R		30	40	47	62	1.36
IRK30 A 050 R			50		72	1.46
IRK30 A 060 R			60		82	1.56
IRK30 A 080 R			80		102	1.74
IRK30 A 100 R			100		122	1.84

R	Bending Radius	50	75	100	150
	H (mm)	52	52	52	52
	X (mm)	147	197	247	347
	Y (mm)	157	236	314	471

# IRK30 SERIE



ORDERING



LOADDIAGRAM

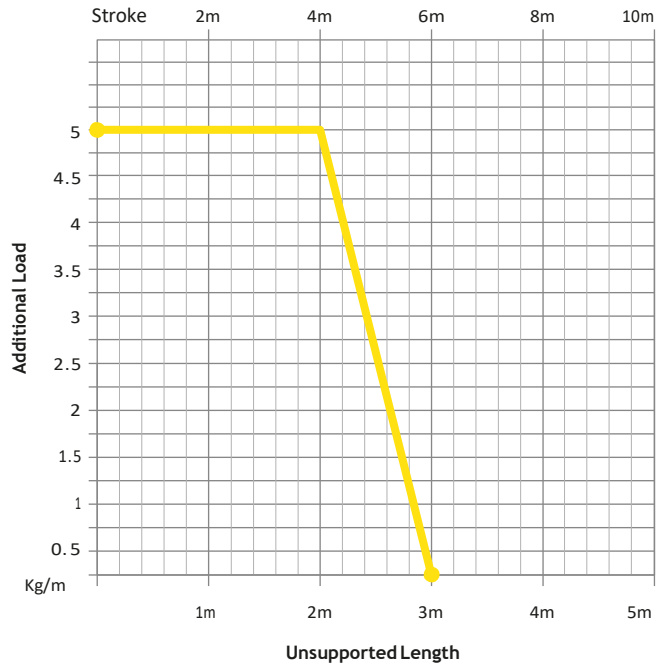
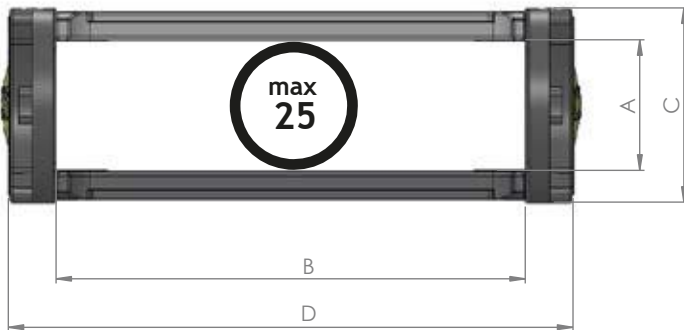
## IRK30 A 50 R075

Inner Height

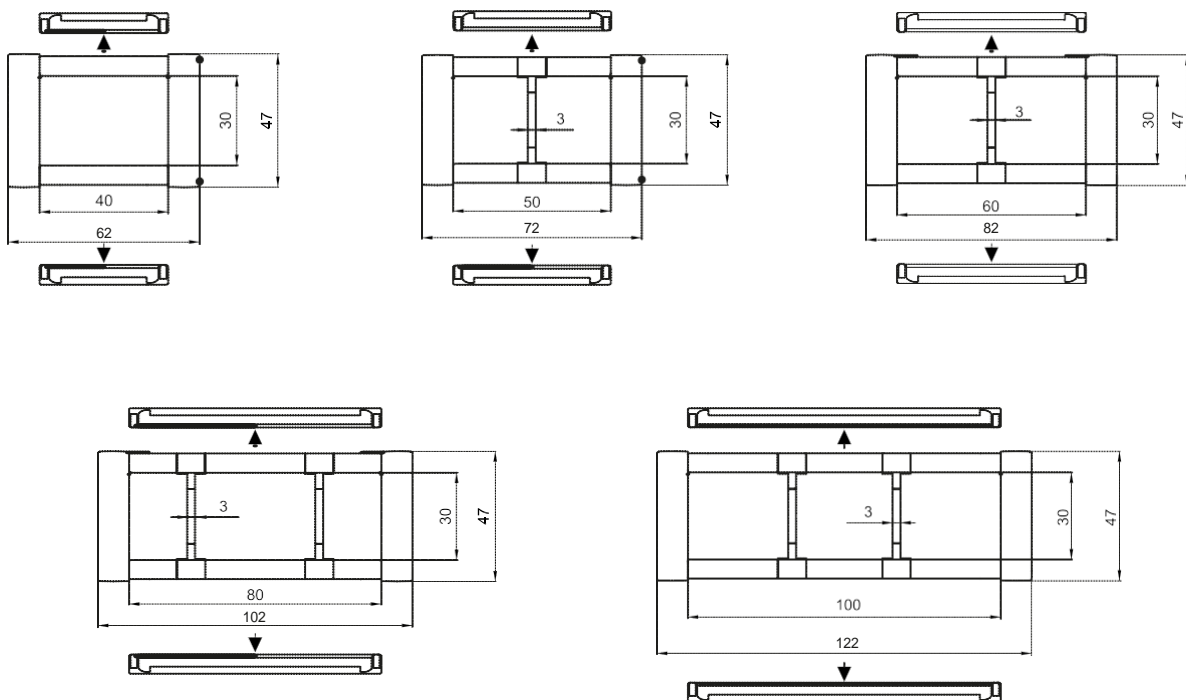
Open Design

Inner Width

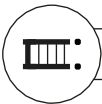
Bending Radius



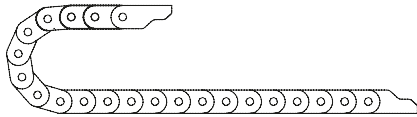
CHAIN CROSS SECTION



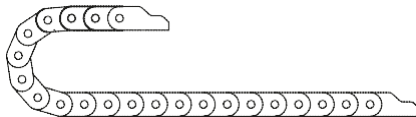
# IRK30 SERIE



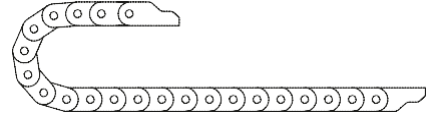
## DRIVER & FIXED CONNECTIONS



End Brackets

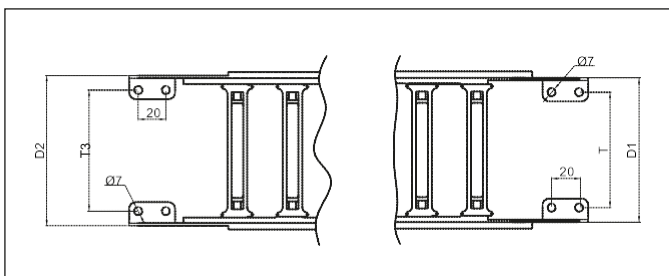


End Brackets

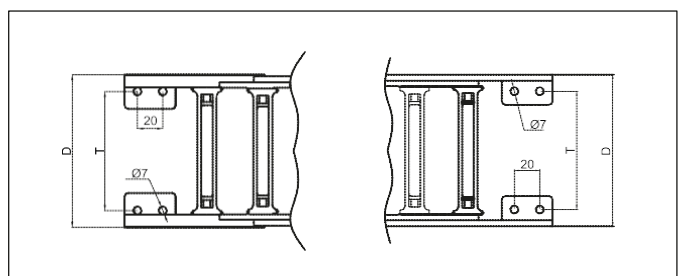


End Brackets

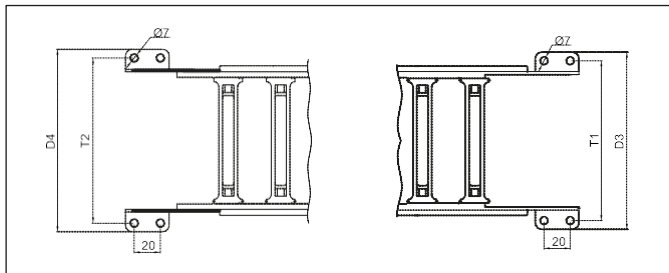
Steel End Brackets Inside Connection



Plastic End Brackets Connection



Steel End Brackets Outside Connection

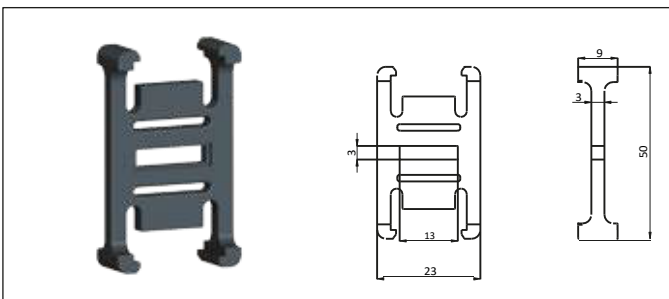


CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK30 A 040	22	53	65	34	61	51	57	81	90
IRK30 A 050	32	63	75	44	71	61	67	91	100
IRK30 A 060	42	73	85	54	81	71	77	101	110
IRK30 A 080	62	93	105	74	101	91	97	121	130
IRK30 A 100	82	113	125	94	121	111	117	141	150

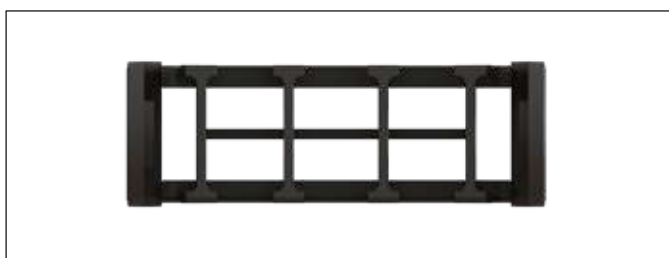


## DIVIDER

VERTICAL DIVIDER



HORIZONTAL SEPARATOR



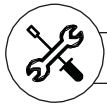
T	TYPE	LENGHT (mm)
	IRK YSP 060	60
	IRK YSP 080	80
	IRK YSP 100	100

# IRK30 SERIE

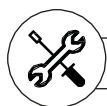


## USE OF DIVIDER

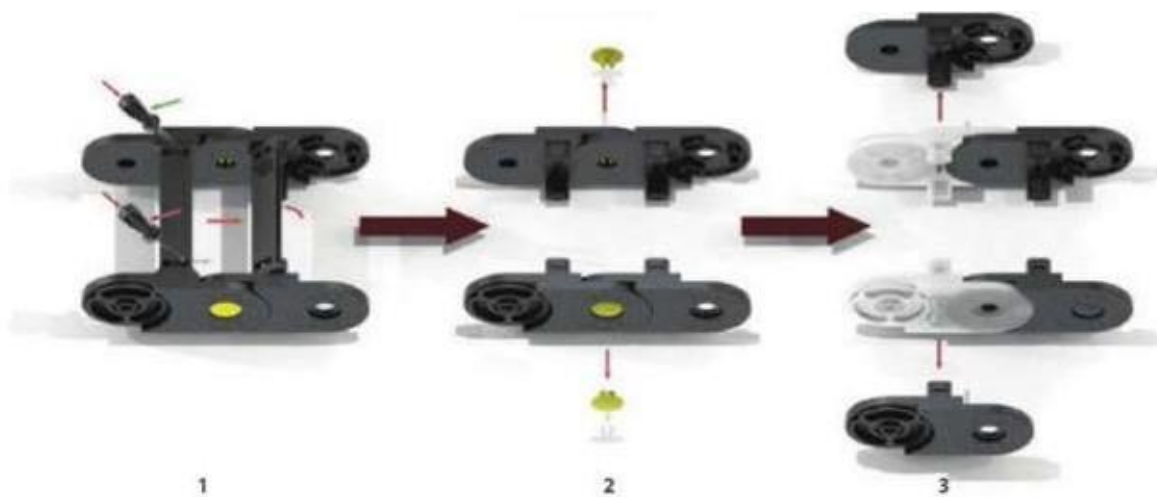
You can separate the cable and hose from each other by using vertical and horizontal divider.



## ASSEMBLY

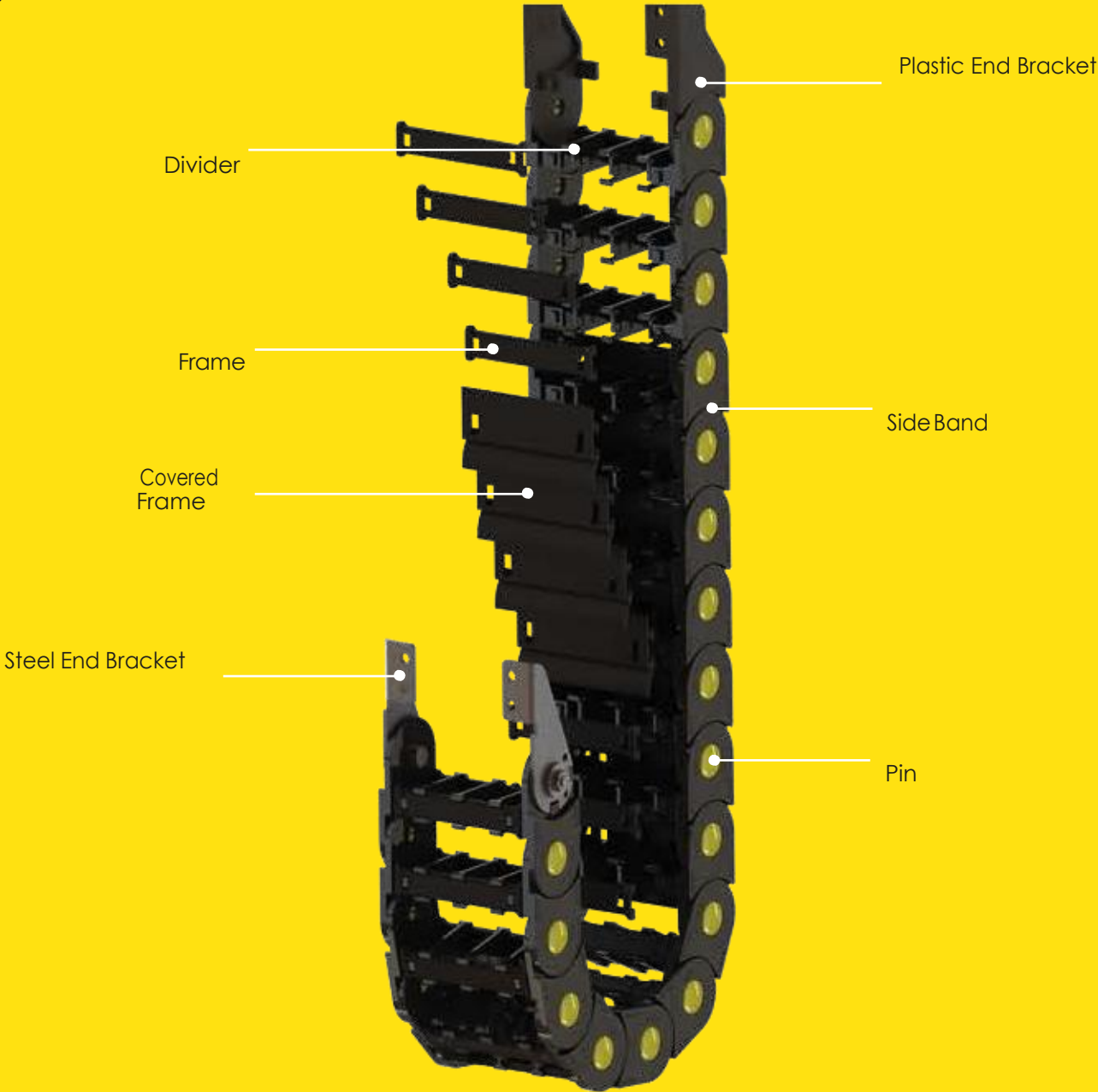


## DISASSEMBLY





# IRK35 SERIE



### MATERIAL PROPERTIES

PA6 With %30 Fiber Glass



### SPEED

9m/sec



### APPLICATIONS

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

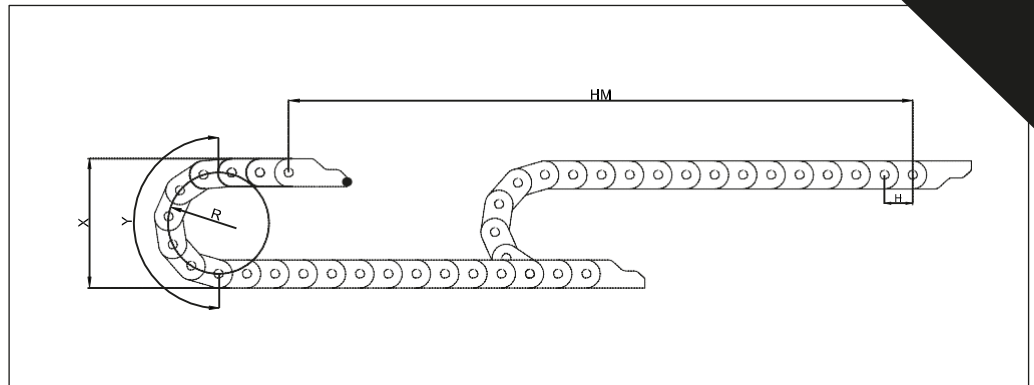


### OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK35 SERIE

- L** Calculation of the chain length
- HM** Movement Distance
- Y** Radius Distance
- X** Mounting Height
- H** Pitch



$$L = HM/2 + Y$$

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

$$Y = R \times \pi$$

IRK 35 A	OPEN DESIGN	A	B	C	D	W
MODEL		Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK35 A 040 R	35	35	40	52	64	1,45
IRK35 A 050 R			50		74	1,53
IRK35 A 060 R			60		84	1,61
IRK35 A 080 R			80		104	1,76
IRK35 A 100 R			100		124	1,91
IRK35 A 120 R			120		144	2,06
IRK35 A 125 R			125		149	2,13

IRK 35 Y	HALF COVERED	A	B	C	D	W
MODEL		Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK35 Y 040 R	35	35	40	52	64	1,56
IRK35 Y 060 R			60		84	1,66
IRK35 Y 080 R			80		104	1,76
IRK35 Y 100 R			100		124	1,86
IRK35 Y 125 R			125		149	2,00

IRK 35 K	COVERED DESIGN	A	B	C	D	W
MODEL		Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK35 K 040 R	35	35	40	52	64	1,68
IRK35 K 060 R			60		84	1,78
IRK35 K 080 R			80		104	1,88
IRK35 K 100 R			100		124	2,15
IRK35 K 125 R			125		149	2,35

# IRK35 SERIE

R	Bending Radius	50	75	100	150
	H (mm)	52	52	52	52
	X (mm)	152	202	252	352
	Y (mm)	157	236	314	471

\* R50 - R75 IS ONLY FOR CK35 A DESIGN.



## ORDERING

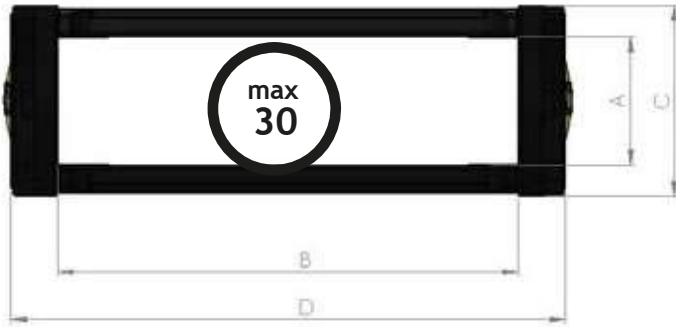
# IRK35 A 50 R075

İç Yükseklik  
Inner Height

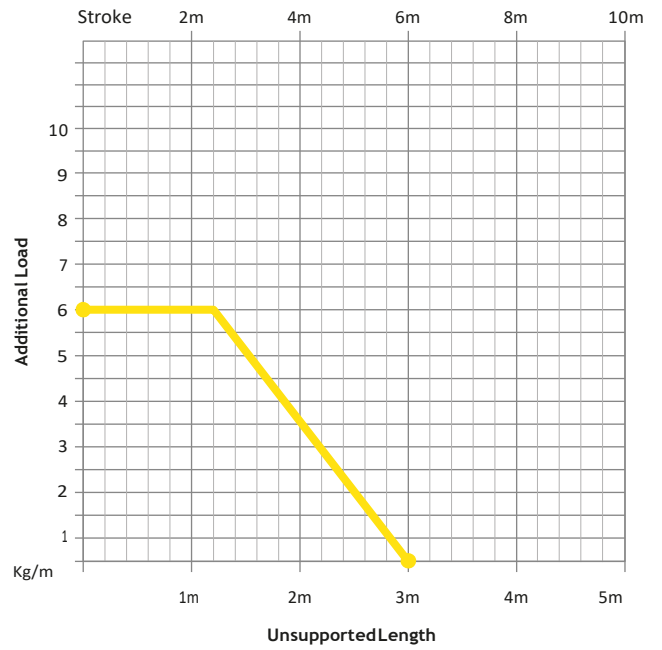
Açık Seri  
Open Design

İç Genişlik  
Inner Width

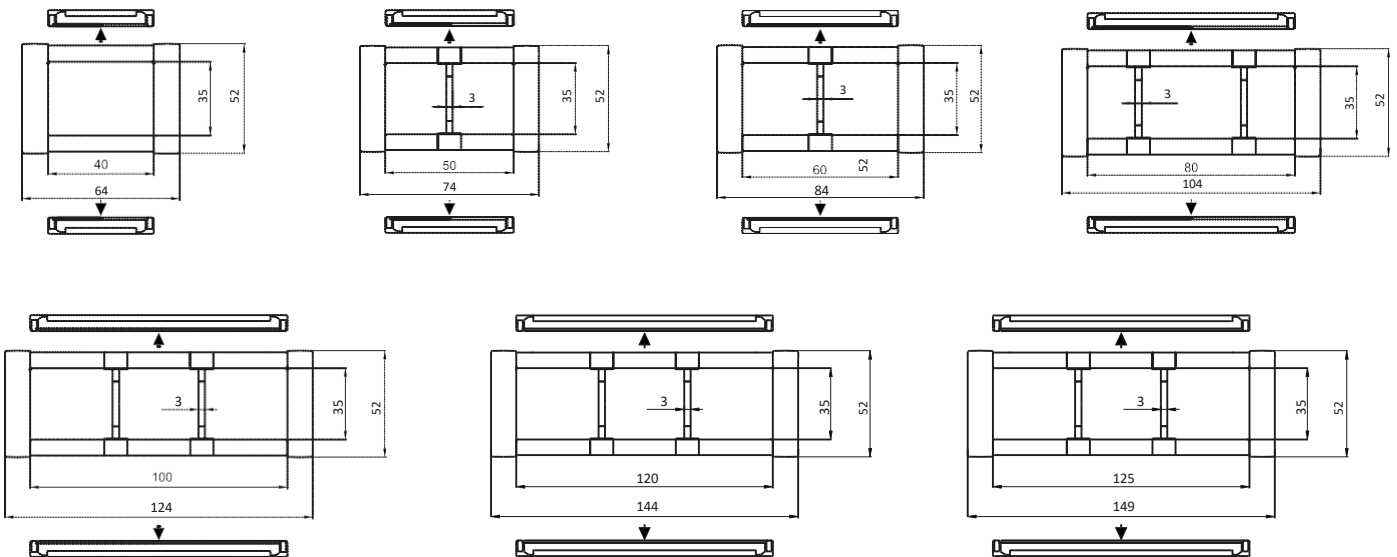
Kıvrılma Yarıçapı  
Bending Radius



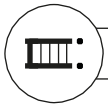
## LOAD DIAGRAM



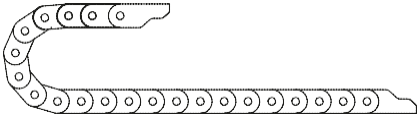
## CHAIN CROSS SECTION



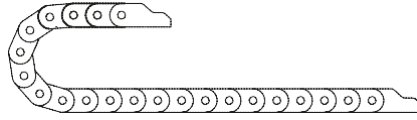
# IRK35 SERIE



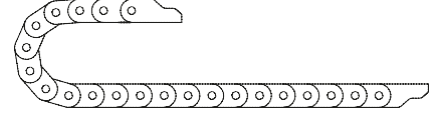
## DRIVER & FIXED CONNECTIONS



End Brackets

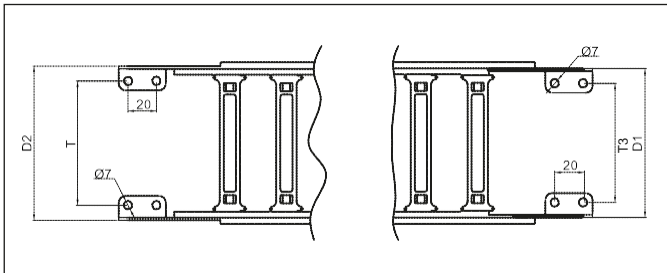


End Brackets

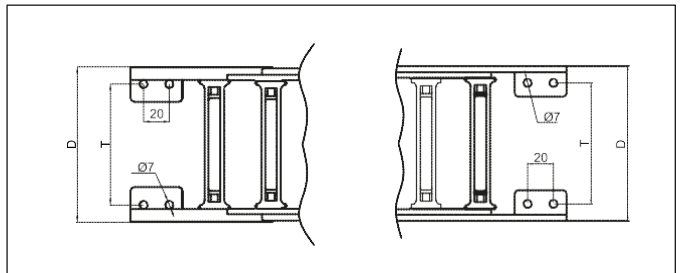


End Brackets

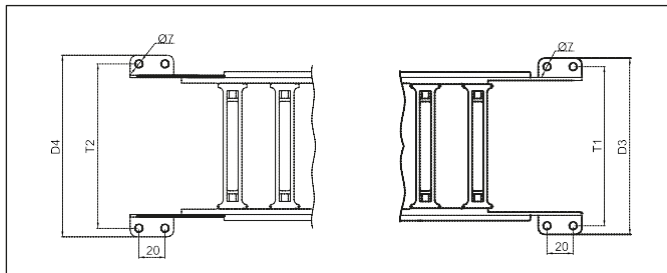
Steel End Brackets Inside Connection



Plastic End Brackets Connection



Steel End Brackets Outside Connection



CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK35 A 040	30	77	84	21	64	49	59	85	95
IRK35 A 050	40	87	94	31	74	59	69	95	105
IRK35 A 060	50	97	104	41	84	69	79	105	115
IRK35 A 080	70	117	124	61	104	89	99	125	135
IRK35 A 100	90	137	144	81	124	109	119	145	155
IRK35 A 120	110	157	164	101	144	129	139	165	175
IRK35 A 125	115	162	169	106	149	134	144	170	180

CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK35 Y 040	30	77	84	21	64	49	59	85	95
IRK35 Y 060	50	97	104	41	84	69	79	105	115
IRK35 Y 080	70	117	124	61	104	89	99	125	135
IRK35 Y 100	90	137	144	81	124	109	119	145	155
IRK35 Y 125	115	162	169	106	149	134	144	170	180

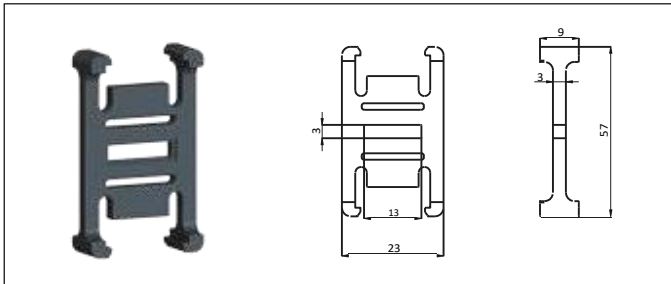
CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK35 K 040	30	77	84	21	64	49	59	85	95
IRK35 K 060	50	97	104	41	84	69	79	105	115
IRK35 K 080	70	117	124	61	104	89	99	125	135
IRK35 K 100	90	137	144	81	124	109	119	145	155
IRK35 K 125	115	162	169	106	149	134	144	170	180

# IRK35 SERIE

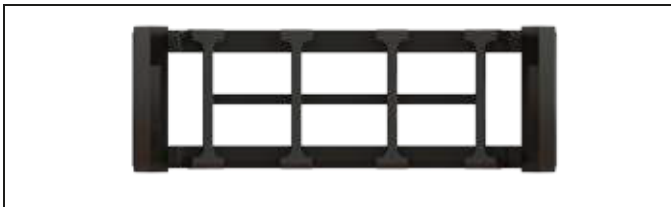
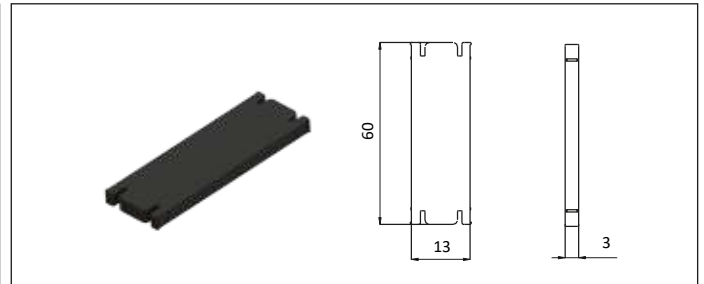


## DIVIDER

### VERTICAL DIVIDER



### HORIZONTAL SEPARATOR

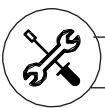


T	TYPE	LENGHT (mm)
	IRK YSP 060	60
	IRK YSP 080	80
	IRK YSP 100	100



## USE OF DIVIDER

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



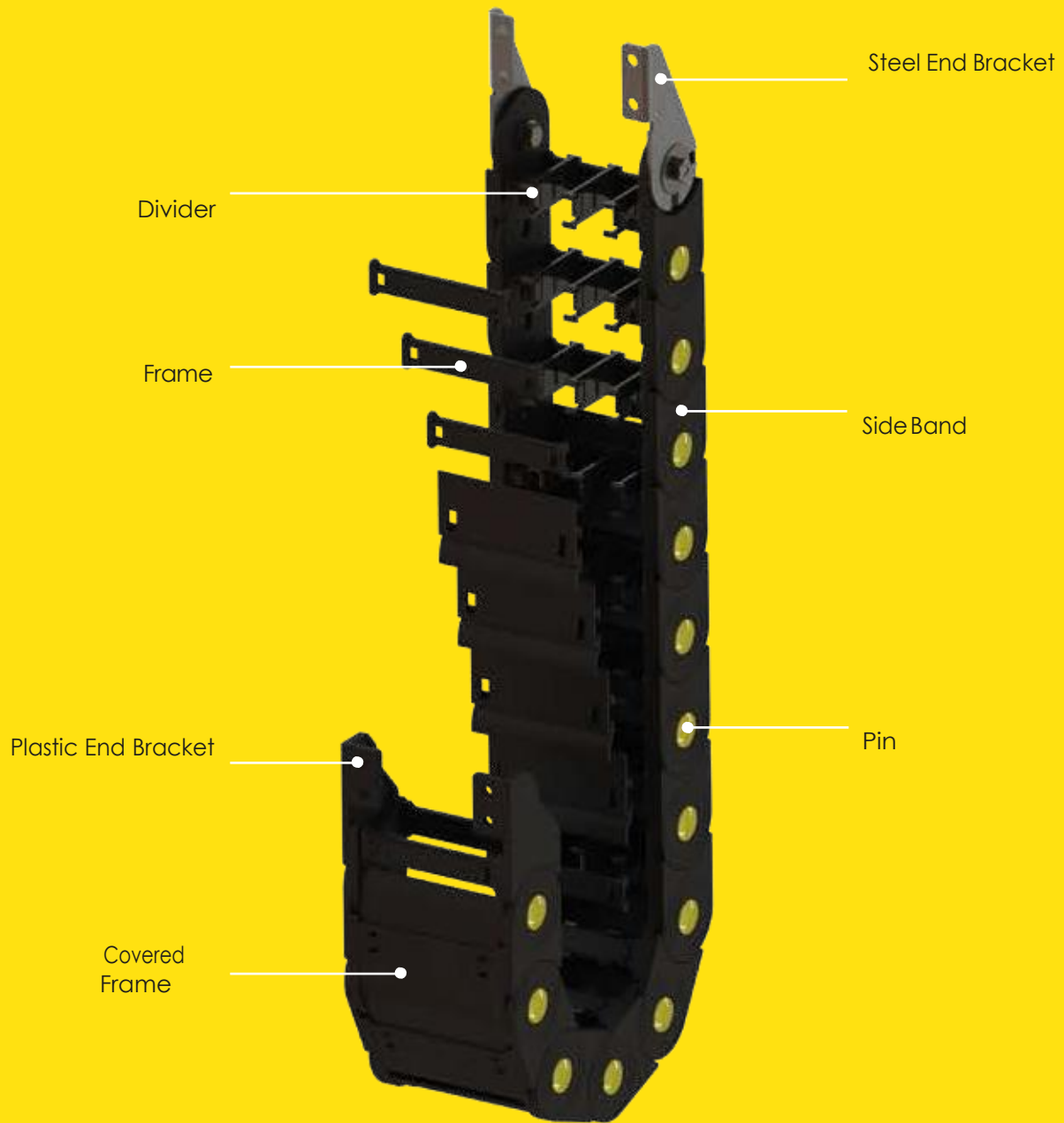
## ASSEMBLY



## DISASSEMBLY



# IRK42 SERIE



## MATERIAL PROPERTIES

PA6 With %30 FiberGlass



## SPEED

8m/sec



## APPLICATIONS

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

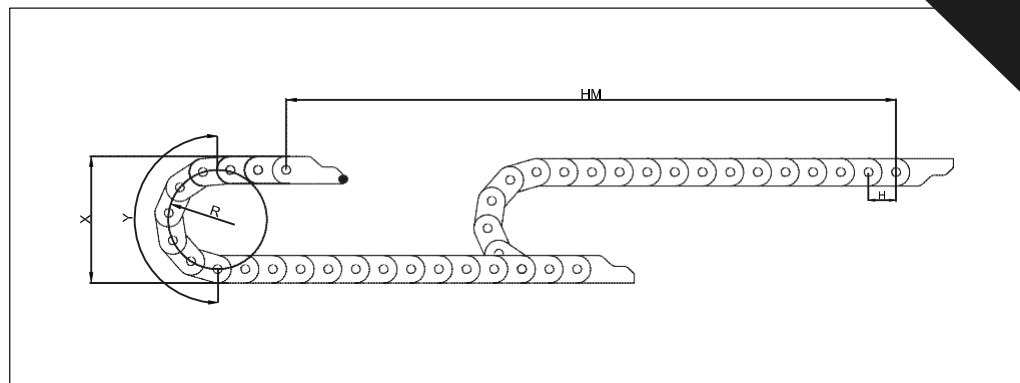


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK42 SERIE

- L** Calculation of the chain length
- HM** Movement Distance
- Y** Radius Distance
- X** Mounting Height
- H** Pitch



$$L = HM/2 + Y$$

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

$$Y = R \times \pi$$

IRK 42 A	OPEN DESIGN	A	B	C	D	W
MODEL		Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK42 A 040 R	42	42	40	58	67	1.67
IRK42 A 050 R			50		77	1.74
IRK42 A 060 R			60		87	1.80
IRK42 A 080 R			80		107	1.93
IRK42 A 100 R			100		127	2.06
IRK42 A 120 R			120		147	2.20
IRK42 A 125 R			125		152	2.28

IRK 42 Y	HALF COVERED	A	B	C	D	W
MODEL		Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK42 Y 050 R	42	42	50	58	77	1.90
IRK42 Y 080 R			80		107	2.02
IRK42 Y 100 R			100		127	2.14
IRK42 Y 125 R			125		152	2.26

IRK 42 K	COVERED DESIGN	A	B	C	D	W
MODEL		Inner Height (mm)	Inner Width (mm)	Outer Height (mm)	Outer Width (mm)	Weight Kg/Mt
IRK42 K 050 R	42	42	50	58	77	2.36
IRK42 K 080 R			80		107	2.48
IRK42 K 100 R			100		127	2.60
IRK42 K 125 R			125		152	2.72

# IRK42 SERIE

R	Bending Radius	75	100	150	200
	H (mm)	62	62	62	62
	X (mm)	208	258	358	458
	Y (mm)	236	314	471	628

\* R75 IS ONLY FOR OPEN DESIGN.



ORDERING



LOADDIAGRAM

**IRK42 A 50 R100**

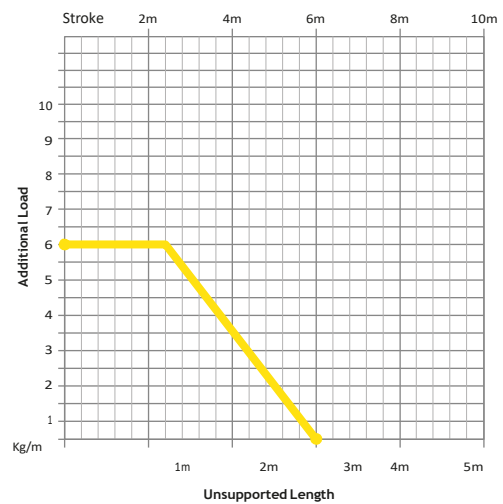
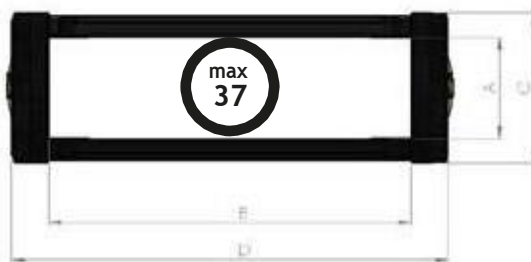


Inner Height

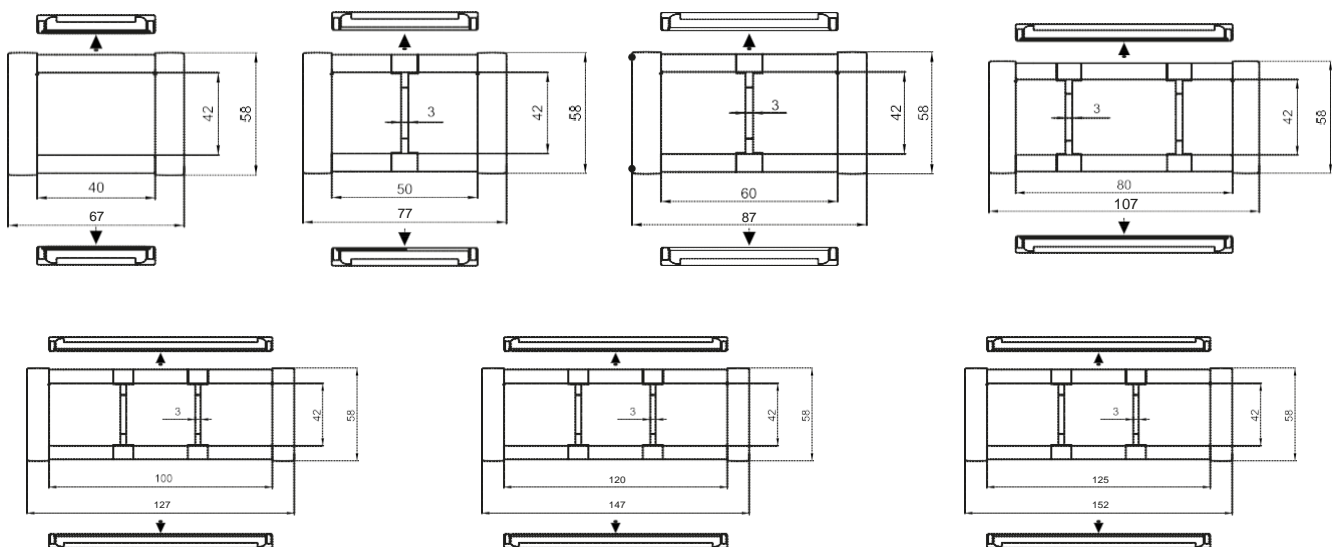
Open Design

Inner Width

Bending Radius

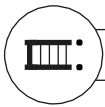


CHAIN CROSS SECTION

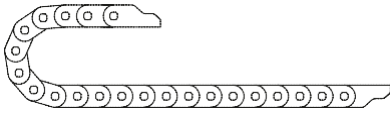




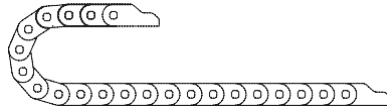
# IRK42 SERIE



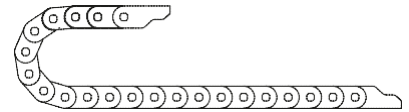
## DRIVER & FIXED CONNECTIONS



End Brackets

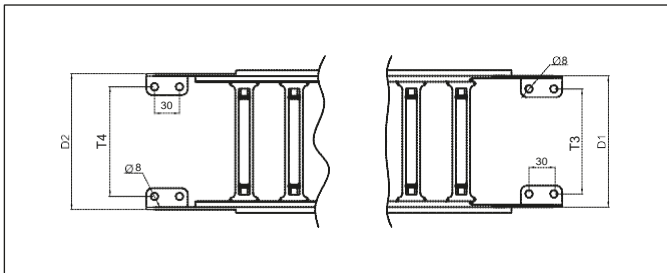


End Brackets

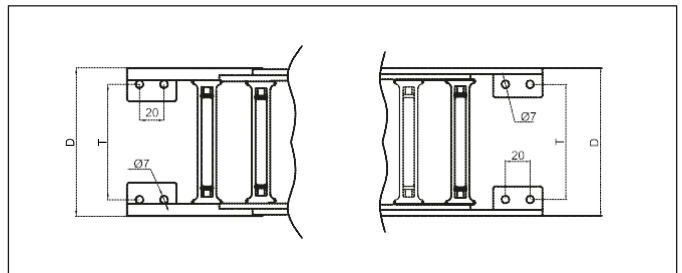


End Brackets

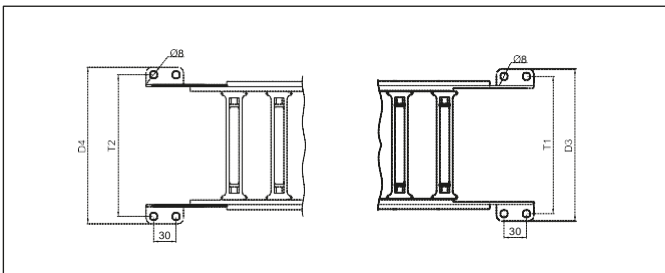
Steel End Brackets Inside Connection



Plastic End Brackets Connection



Steel End Brackets Outside Connection



CODE	T	T1	T2	T3	T4	D	D1	D2	D3	D4
IRK42 A 040	32	70	82	27	38	67	51	61	84	96
IRK42 A 050	42	80	92	37	48	77	61	71	94	106
IRK42 A 060	52	90	102	47	58	87	71	81	104	116
IRK42 A 080	72	110	122	67	78	107	91	101	124	136
IRK42 A 100	92	130	142	87	98	127	111	121	144	156
IRK42 A 120	112	150	162	107	118	147	131	141	164	176
IRK42 A 125	117	155	167	112	123	152	136	146	169	181

CODE	T	T1	T2	T3	T4	D	D1	D2	D3	D4
IRK42 Y 050	42	80	92	37	48	77	61	71	94	106
IRK42 Y 080	72	110	122	67	78	107	91	101	124	136
IRK42 Y 100	92	130	142	87	98	127	111	121	144	156
IRK42 Y 125	117	155	167	112	123	152	136	146	169	181

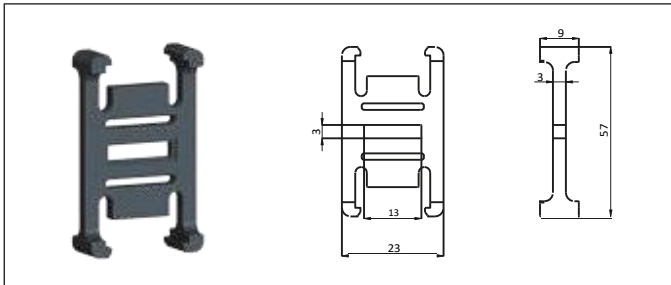
CODE	T	T1	T2	T3	T4	D	D1	D2	D3	D4
IRK42 K 050	42	80	92	37	48	77	61	71	94	106
IRK42 K 080	72	110	122	67	78	107	91	101	124	136
IRK42 K 100	92	130	142	87	98	127	111	121	144	156
IRK42 K 125	117	155	167	112	123	152	136	146	169	181

# IRK42 SERIE

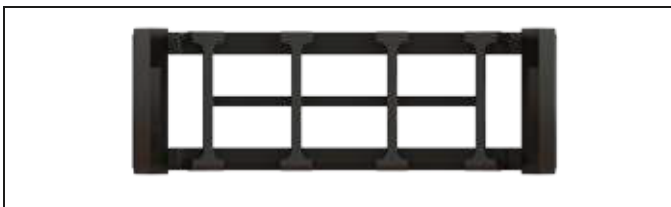
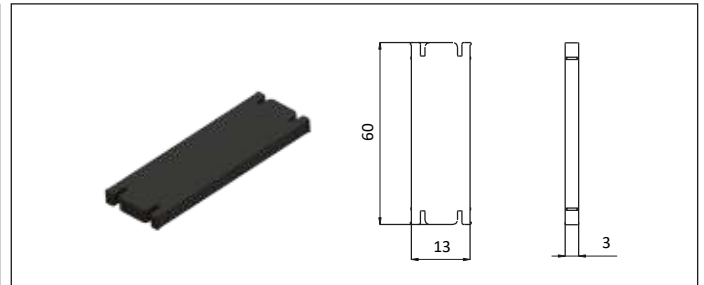


## DIVIDER

### VERTICAL DIVIDER



### HORIZONTAL SEPARATOR



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



## USE OF DIVIDER

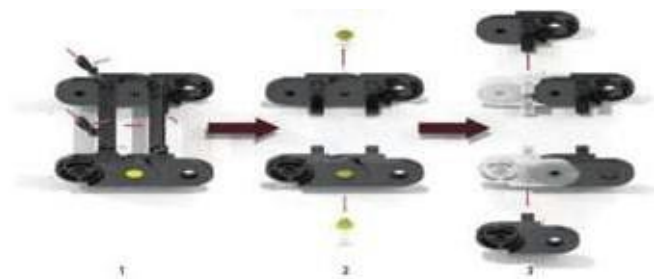
You can separate the cable and hose from each other by using vertical and horizontal divider.



## ASSEMBLY



## DISASSEMBLY

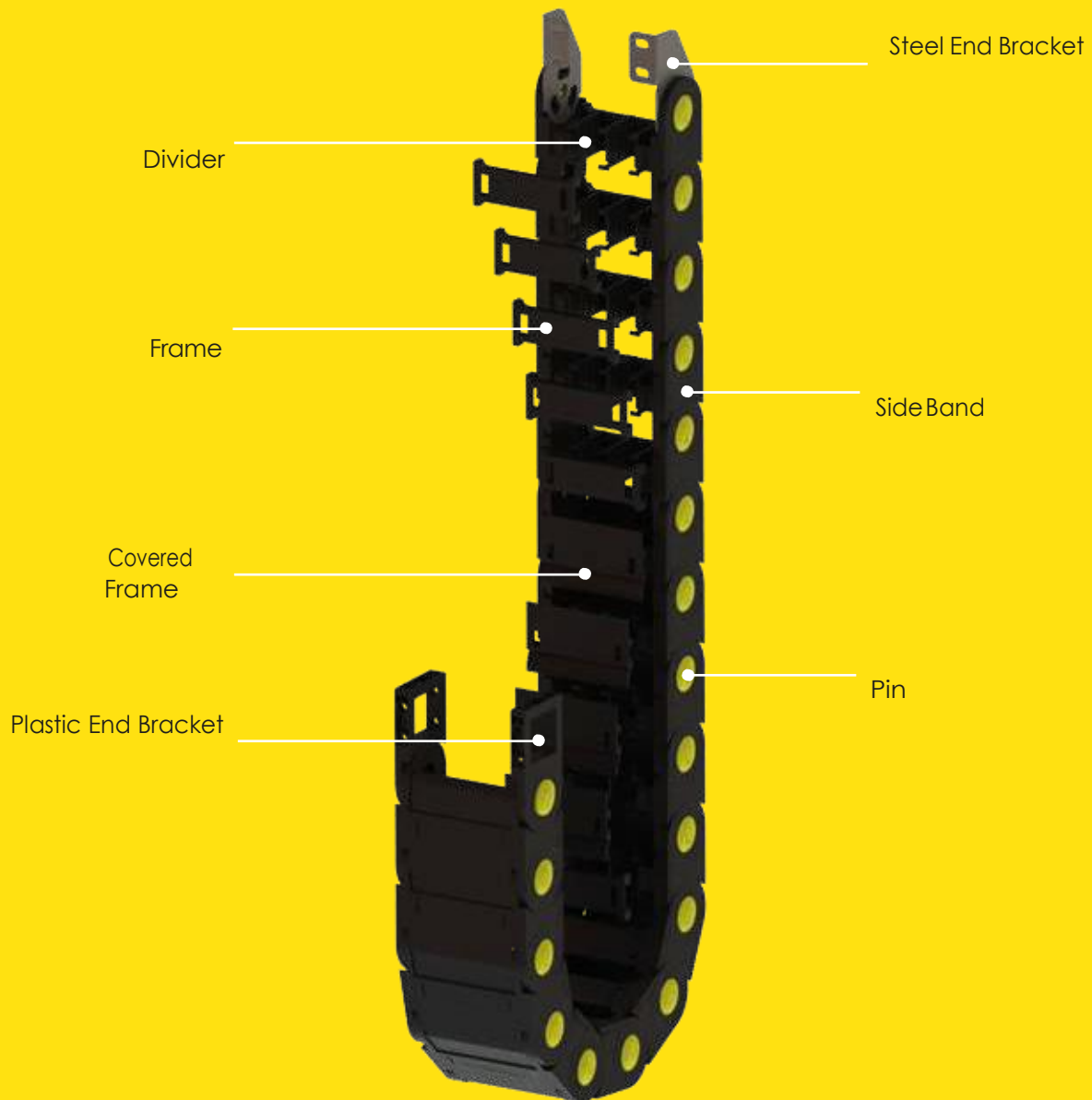


---

# 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

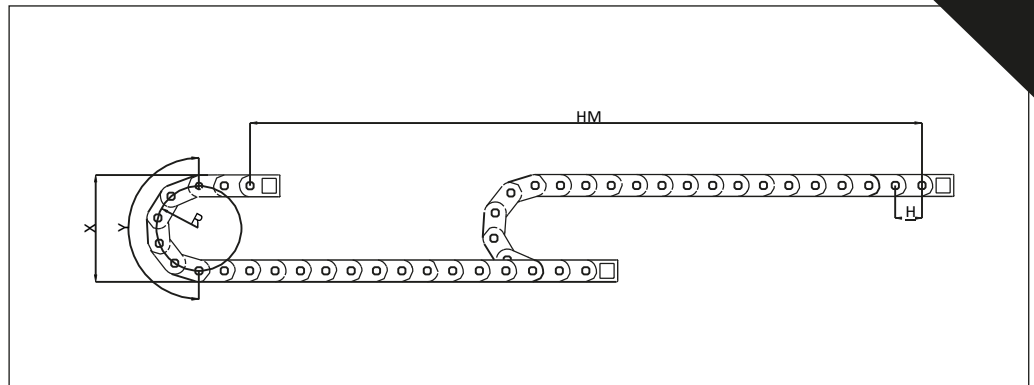


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK40 SERIE

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

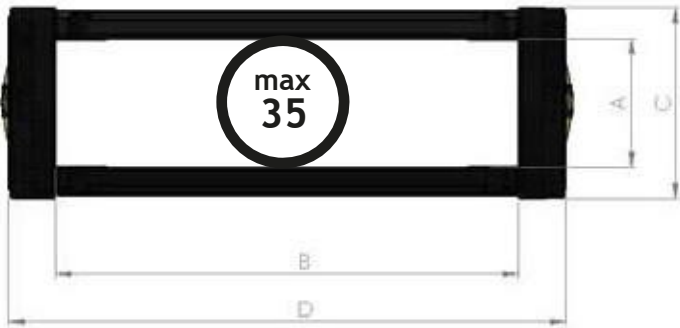
**IRK40 A 80 R100**

Inner Height

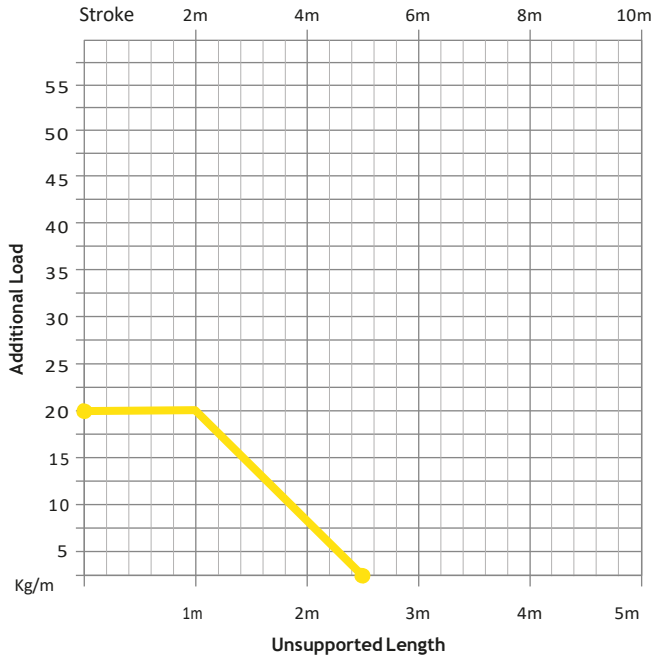
Open Design

Inner Width

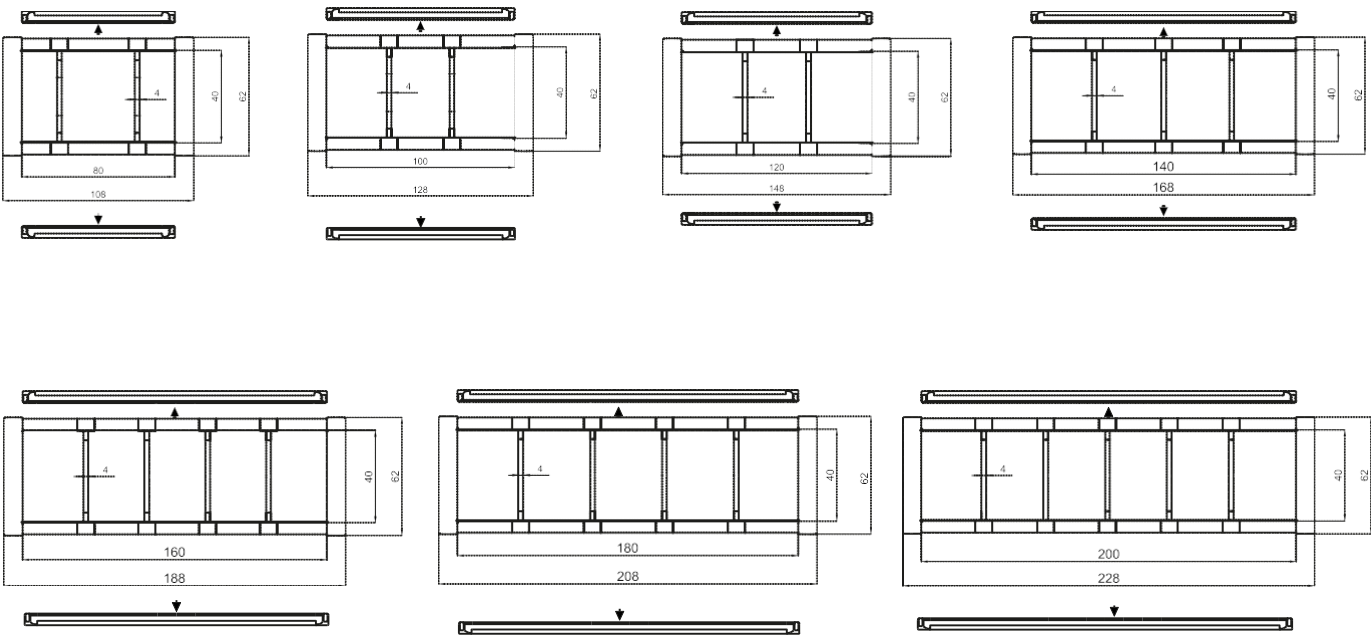
Bending Radius



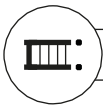
## LOADDIAGRAM



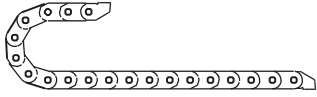
## CHAIN CROSS SECTION



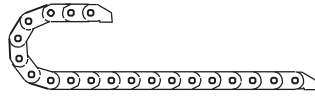
# IRK40 SERIE



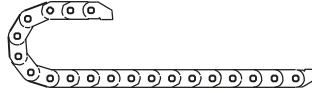
## DRIVER & FIXED CONNECTIONS



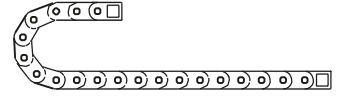
End Brackets



End Brackets

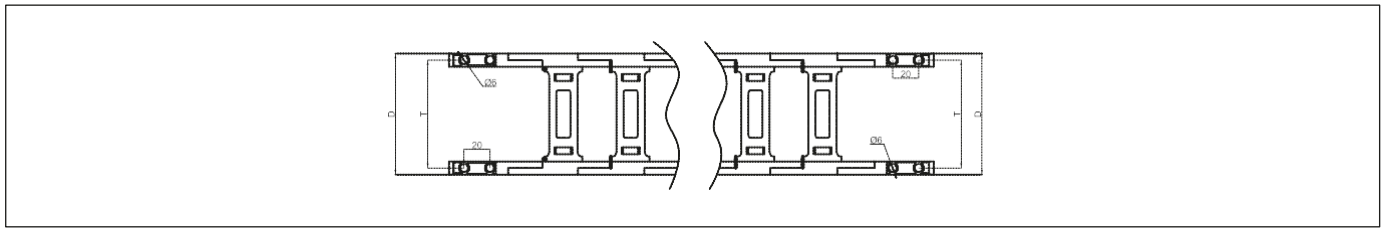


End Brackets

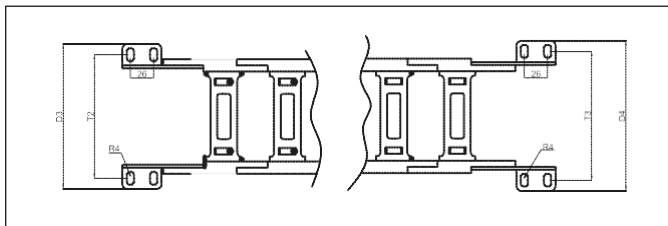


End Brackets

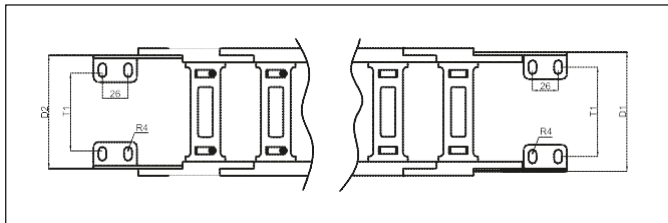
Plastic End Brackets Connection



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

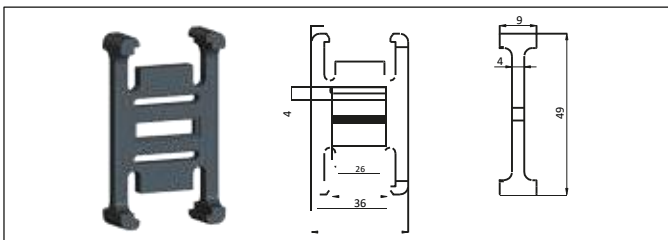
CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK40Y 100	114	85	145	160	128	124	114	170	185

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

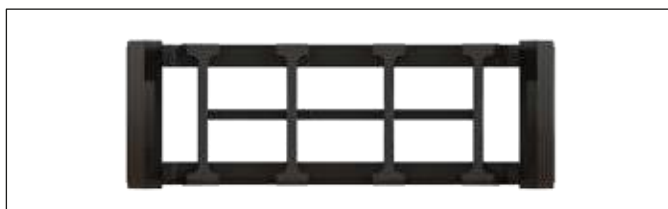
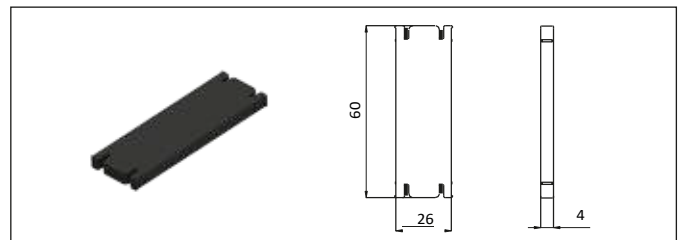


## DIVIDER

VERTICAL DIVIDER



HORIZONTAL SEPARATOR

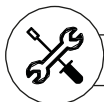


T	TYPE	LENGTH (mm)
	IRK YSP 060	60
	IRK YSP 080	80
	IRK YSP 100	100

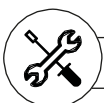


## USE OF DIVIDER

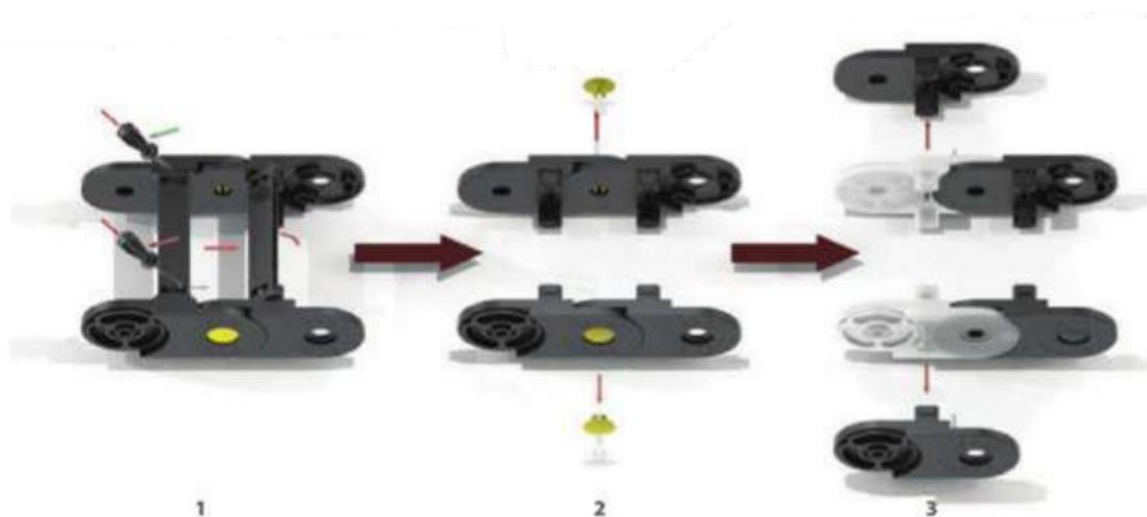
You can separate the cable and hose from each other by using vertical and horizontal divider.



## ASSEMBLY

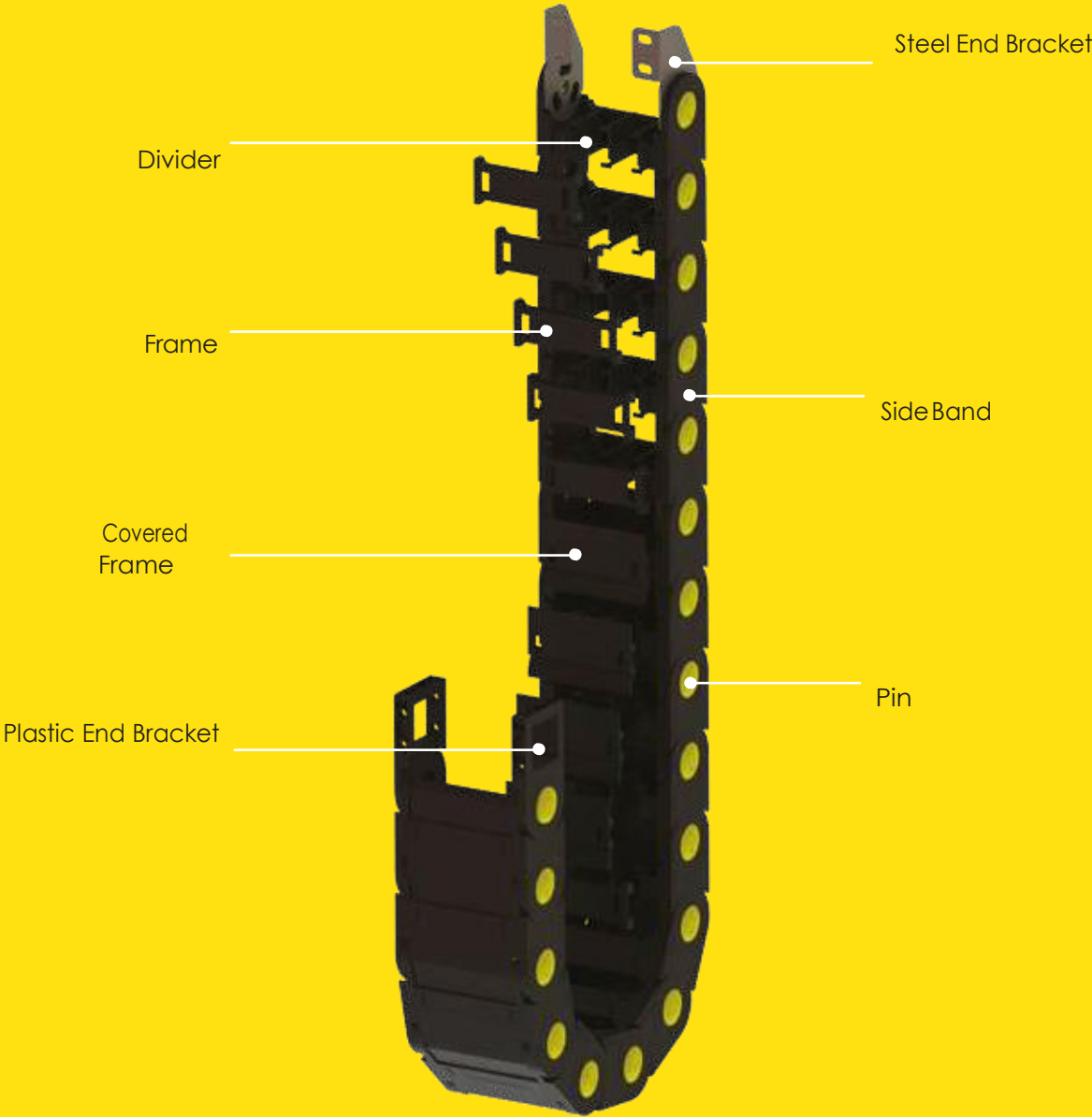


## DISASSEMBLY





# IRK60 SERIE



## MATERIAL PROPERTIES

PA6 With %30 FiberGlass



## APPLICATIONS

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



## SPEED

6m/sec

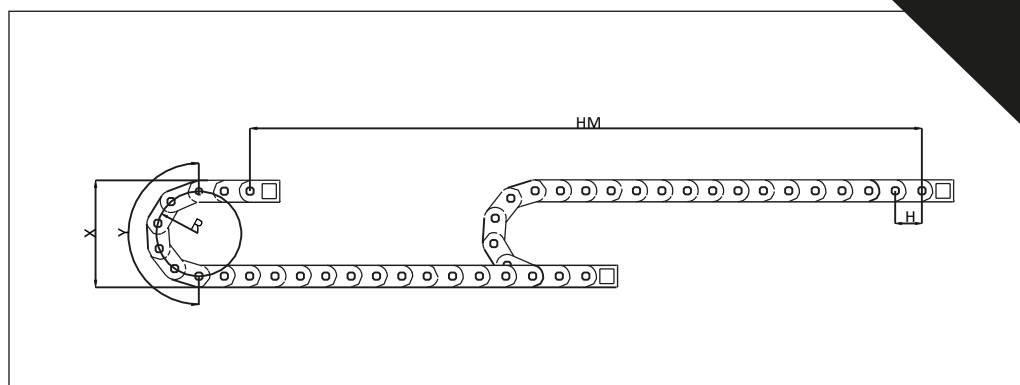


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK60 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 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

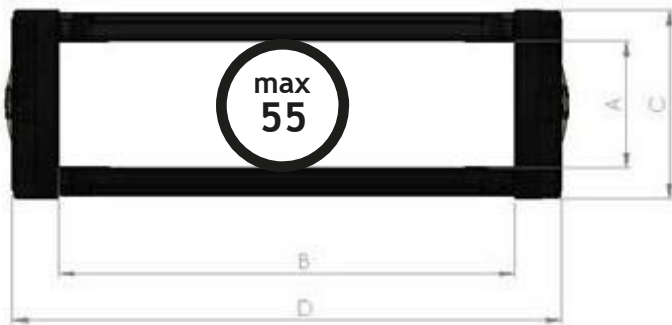
**IRK60 A 80 R100**

Inner Height

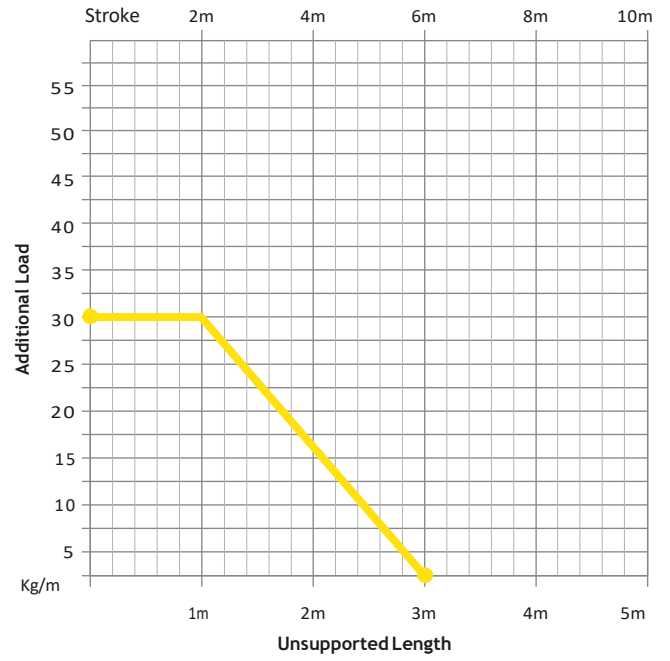
Open Design

Inner Width

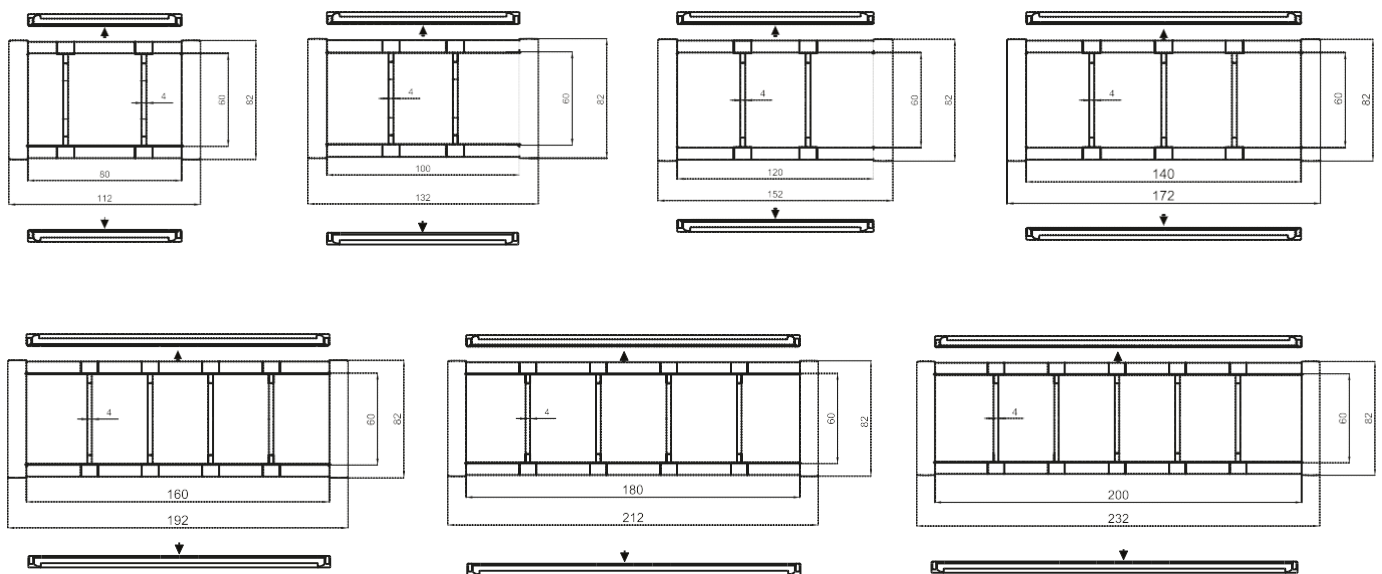
Bending Radius



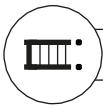
## LOAD DIAGRAM



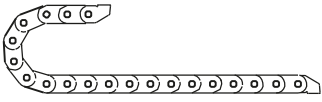
## CHAIN CROSS SECTION



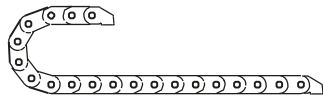
# IRK60 SERIE



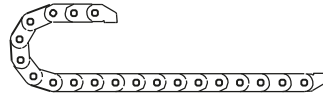
## DRIVER & FIXED CONNECTIONS



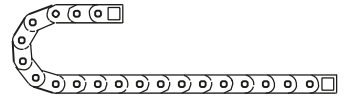
End Brackets



End Brackets

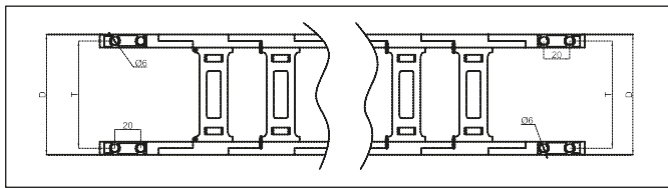


End Brackets)

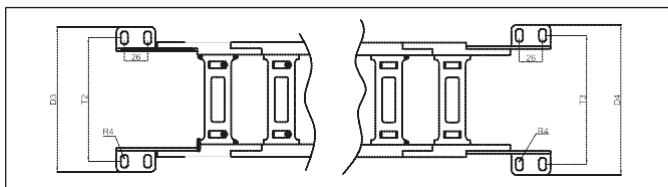


End Brackets

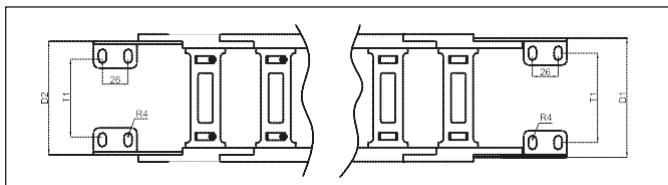
### Plastic End Brackets Connection



### 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

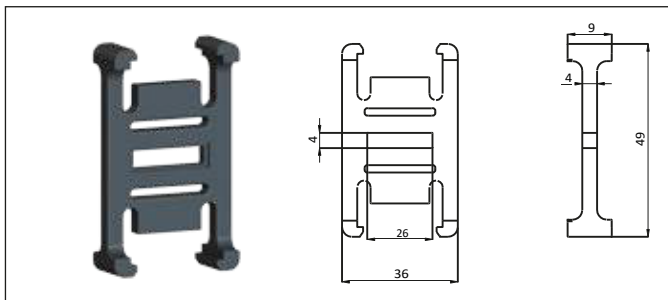
  

CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK60K 100	116	85	143	165	130	128	118	167	190
IRK60K 140	156	125	183	205	170	168	158	207	230
IRK60K 200	216	185	243	265	230	228	218	267	290

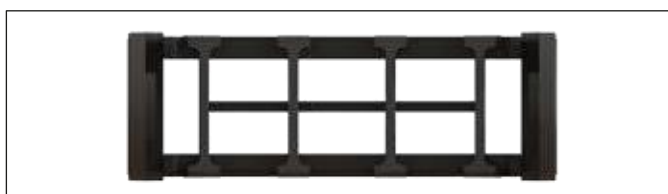
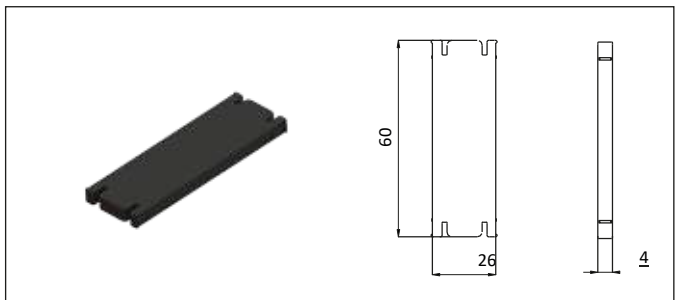


## DIVIDER

### VERTICAL DIVIDER



### HORIZONTAL SEPARATOR



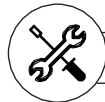
T	TYPE	LENGHT (mm)
	IRK YSP 060	60
	IRK YSP 080	80
	IRK YSP 100	100

# IRK60 SERIE

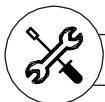


## USE OF DIVIDER

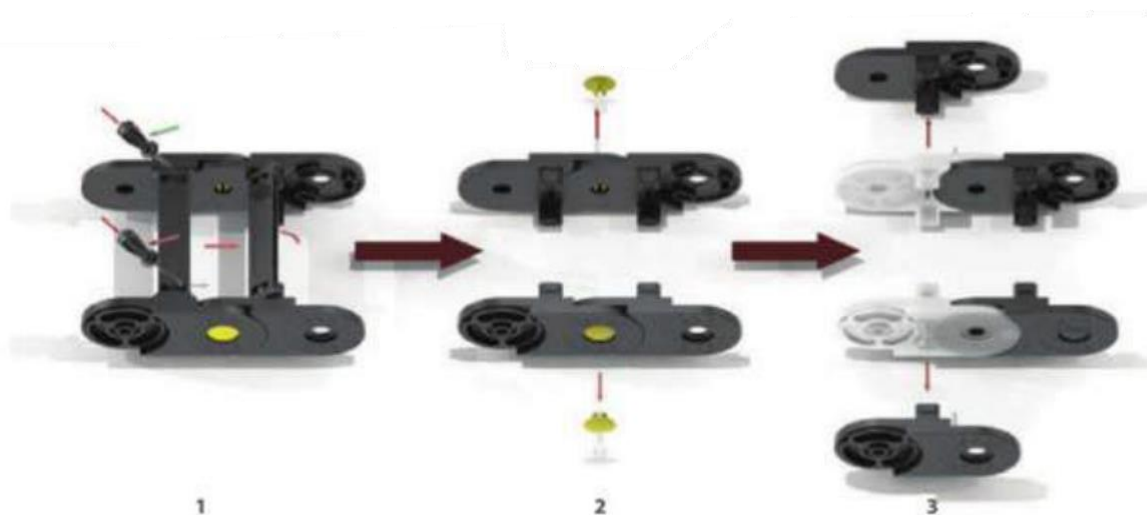
You can separate the cable and hose from each other by using vertical and horizontal divider.



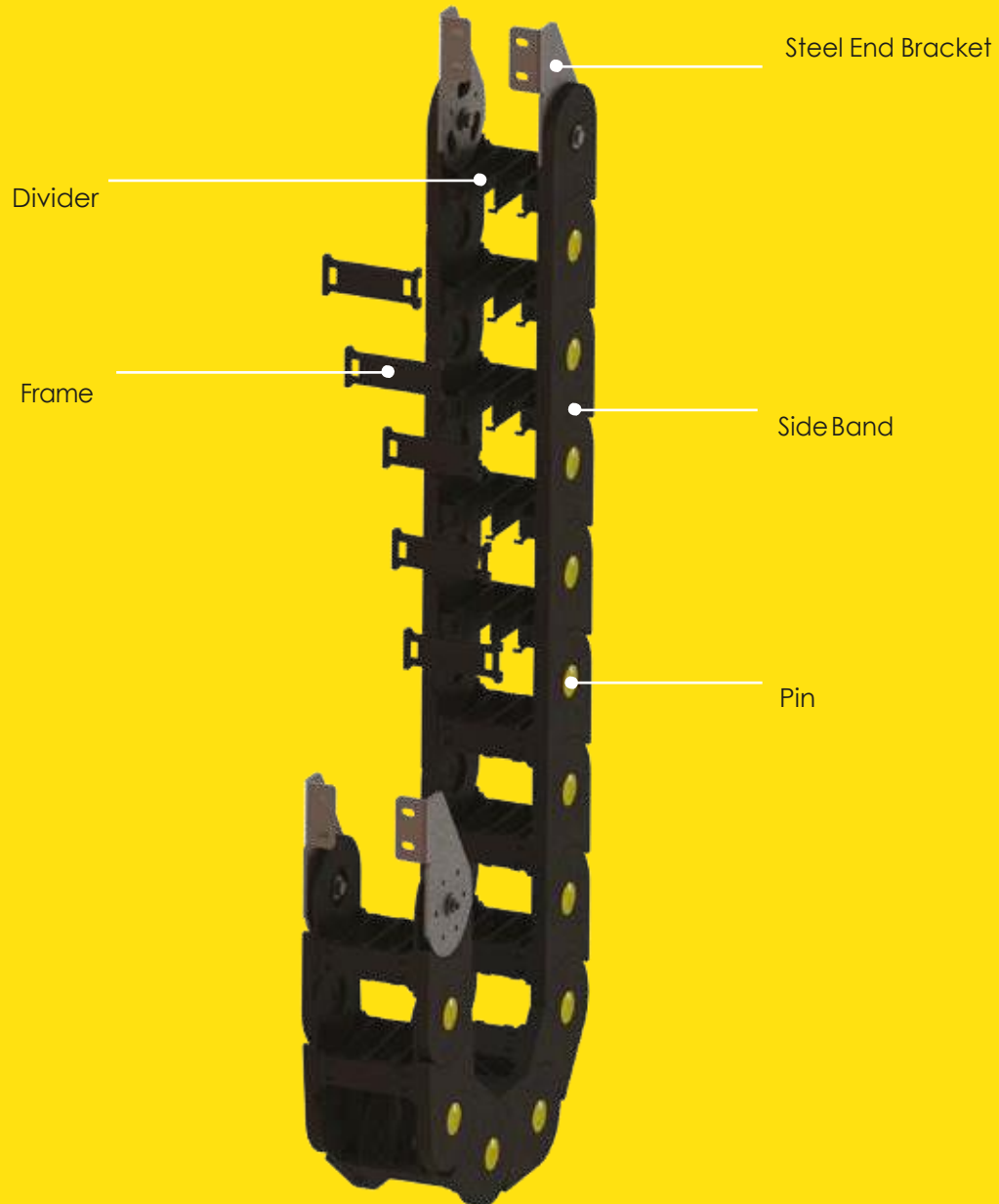
## ASSEMBLY



## 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

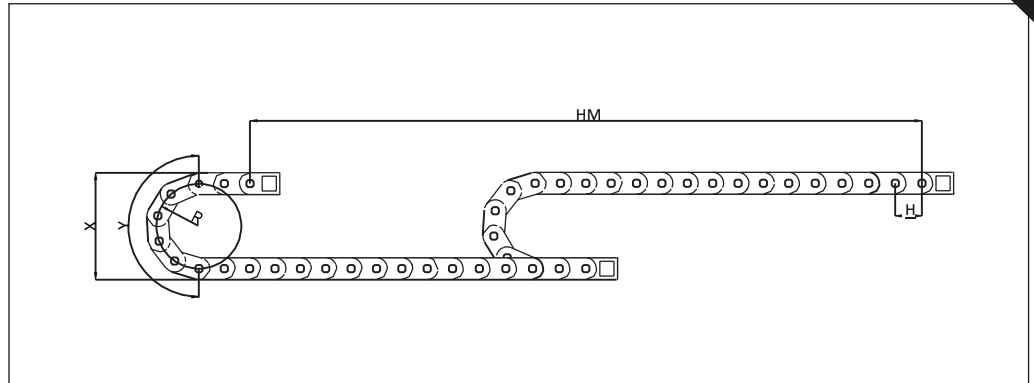


## OPERATING TEMPERATURE

-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

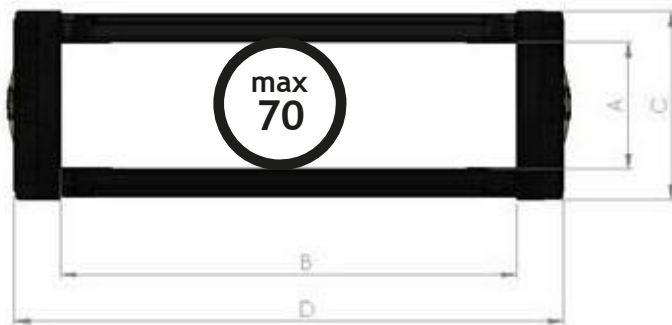
**IRK80 A 80 R200**

Inner Height

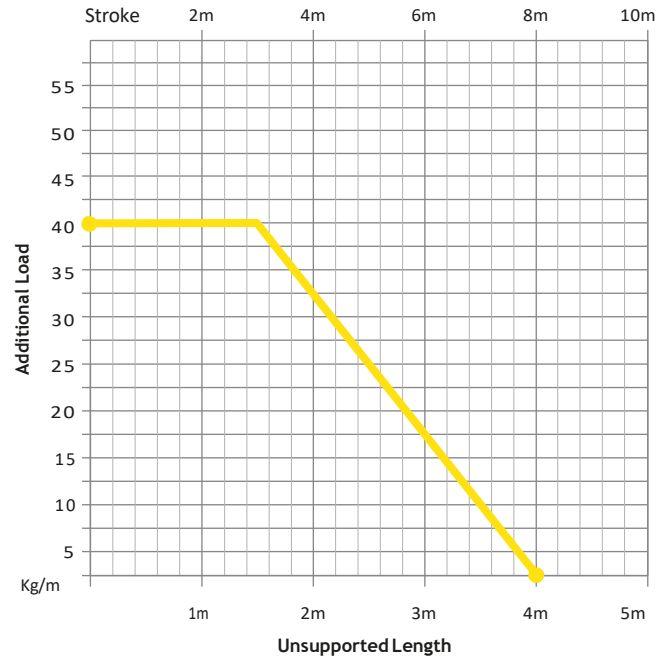
Open Design

Inner Width

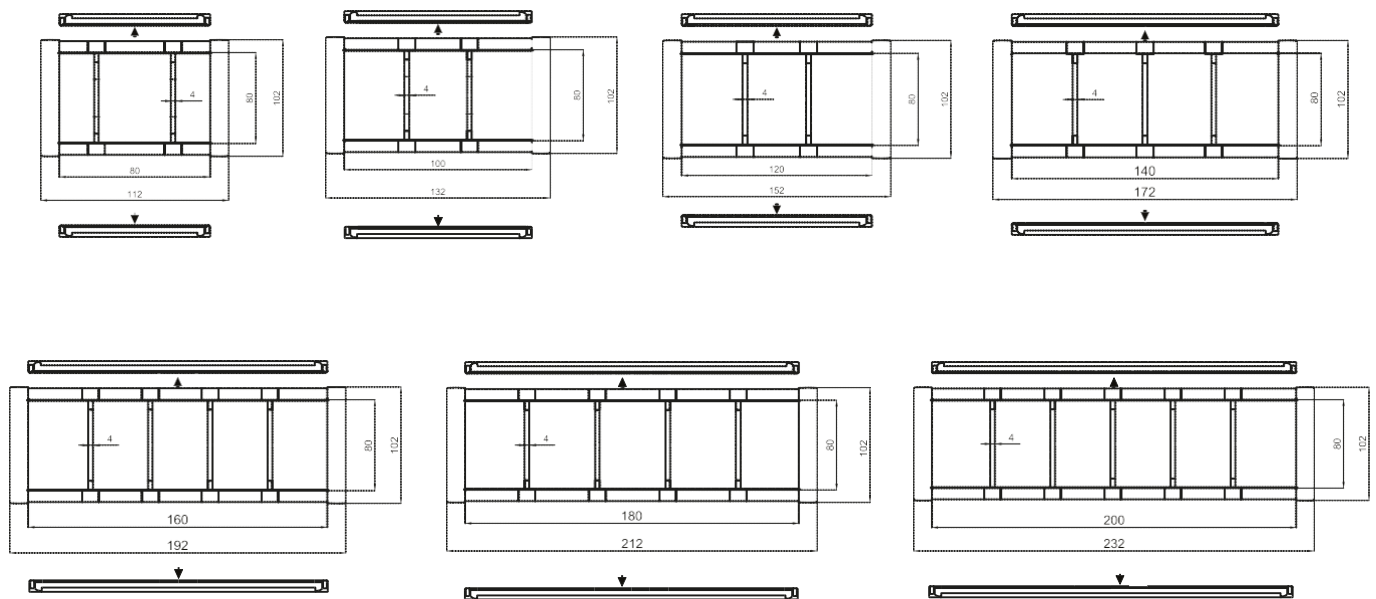
Bending Radius



## LOAD DIAGRAM

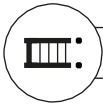


## CHAIN CROSS SECTION

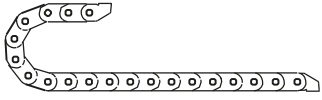




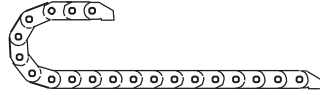
# IRK80 SERIE



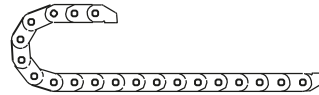
## DRIVER & FIXED CONNECTIONS



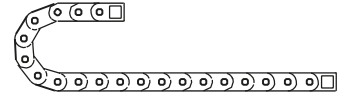
End Brackets



End Brackets

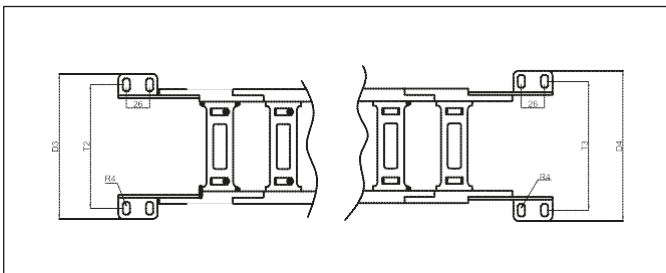


End Brackets

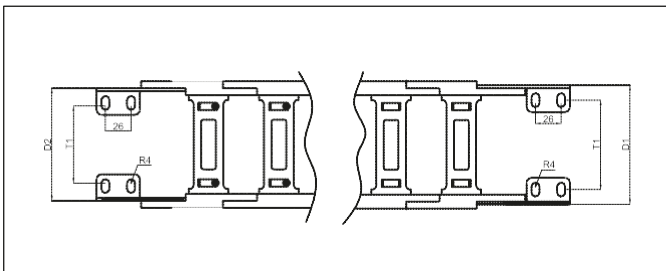


End Brackets

Steel End Brackets Inside Connection



Steel End Brackets Outside Connection

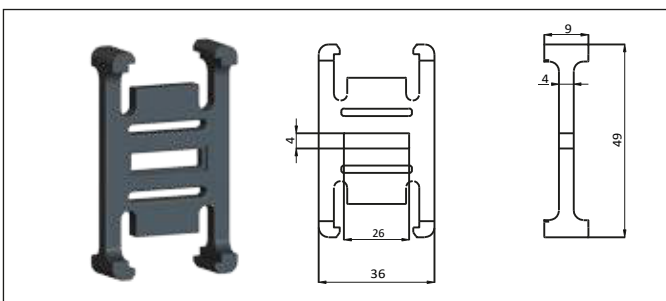


CODE	T1	T2	T3	D1	D2	D3	D4
IRK80A 080	60	140	163	108	98	166	188
IRK80A 100	80	160	183	128	118	186	208
IRK80A 120	100	180	203	148	138	206	228
IRK80A 140	120	200	223	168	158	226	248
IRK80A 160	140	220	243	188	178	246	268
IRK80A 180	160	240	263	208	198	266	288
IRK80A 200	180	260	283	228	218	286	308

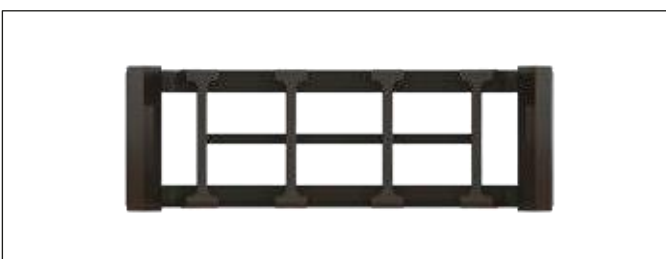
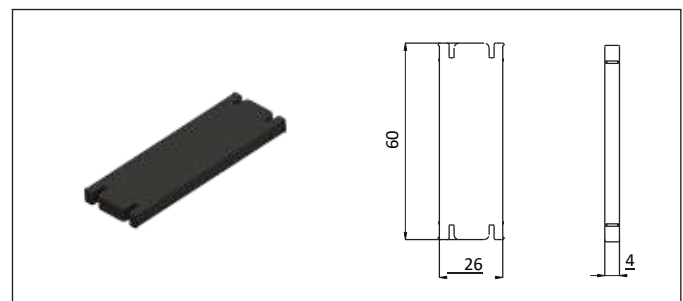


## DIVIDER

VERTICAL DIVIDER



HORIZONTAL SEPARATOR

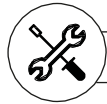


T	TYPE	LENGHT (mm)
	IRK YSP 060	60
	IRK YSP 080	80
	IRK YSP 100	100

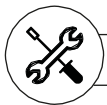


## USE OF DIVIDER

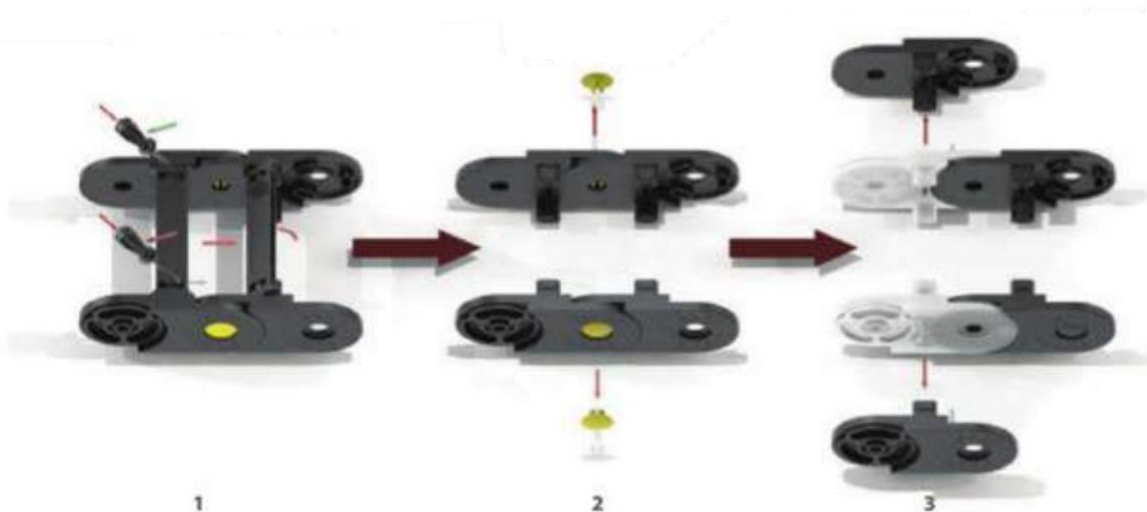
You can separate the cable and hose from each other by using vertical and horizontal divider.



## ASSEMBLY



## DISASSEMBLY

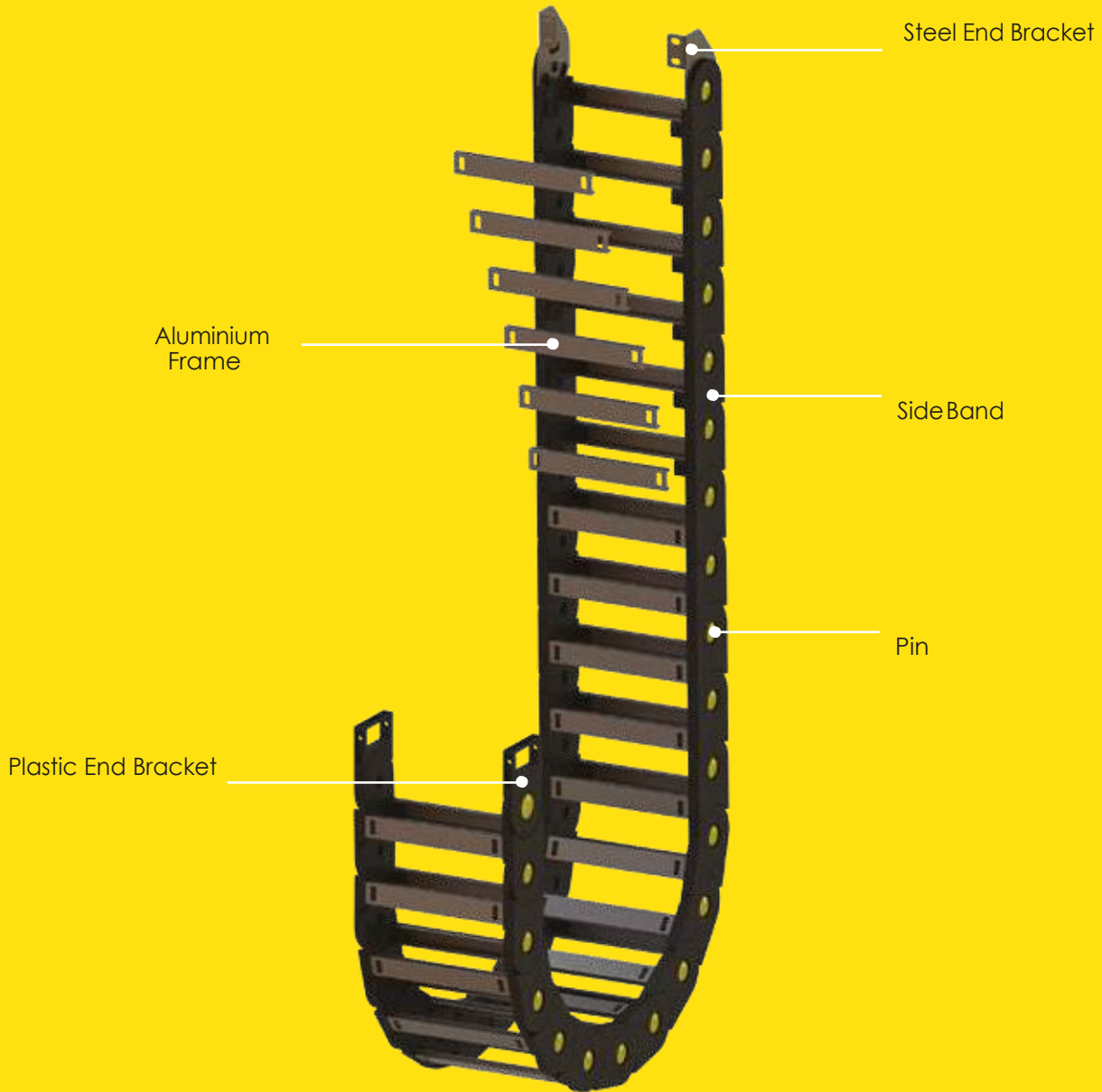


---

# HEAVY SERIE WITH ALUMINIUM FRAME

---

# IRK40-60-80 AL 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

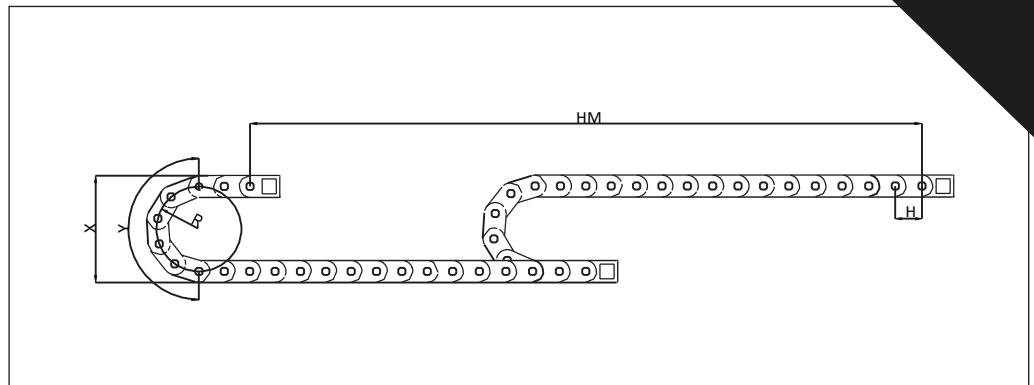


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK40-60-80 AL SERIE

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



$$L = HM/2 + Y$$

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

$$Y = R \times \pi$$

	A	B MIN	B MAX	C	D MIN	D MAX	W
MODEL	Inner Height (mm)	Inner Width (mm)		Outer Height (mm)	Outer Width (mm)		Weight Kg/Mt
IRK40 AL ...	40	80	400	62	108	428	-
IRK60 AL ...	60	80	400	82	112	432	-
IRK80 AL ...	80	80	500	102	112	532	-

## IRK40 AL ...

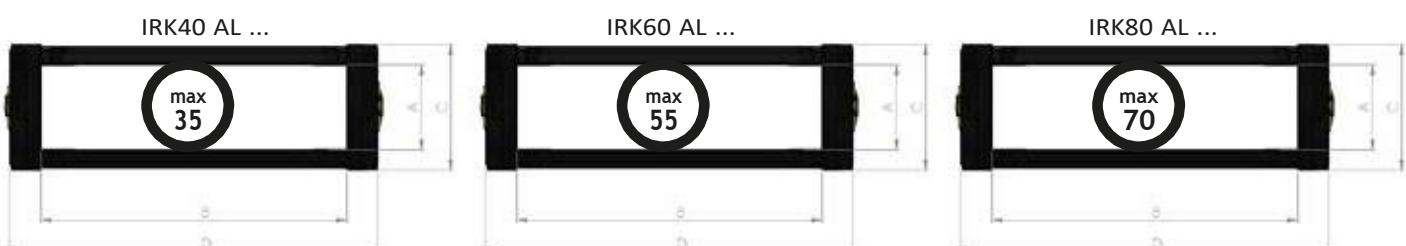
R	Bending Radius	75	100	125	150	200	250	300
	H (mm)	72	72	72	72	72	72	72
	X (mm)	212	262	312	362	462	562	662
	Y (mm)	236	314	392	471	628	785	942

## IRK60 AL ...

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

## IRK80 AL ...

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



# IRK40-60-80 AL SERIE



ORDERING

## IRK40 AL 80 R100

Inner Height

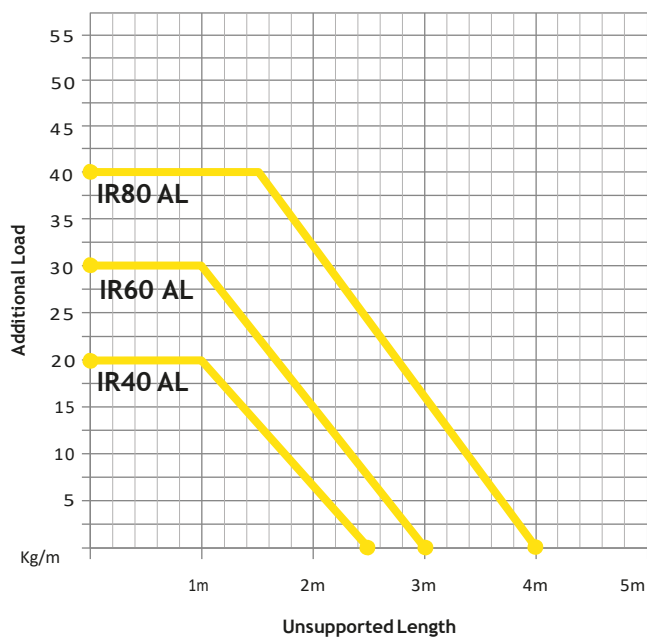
Al. Frame Design

Inner Width

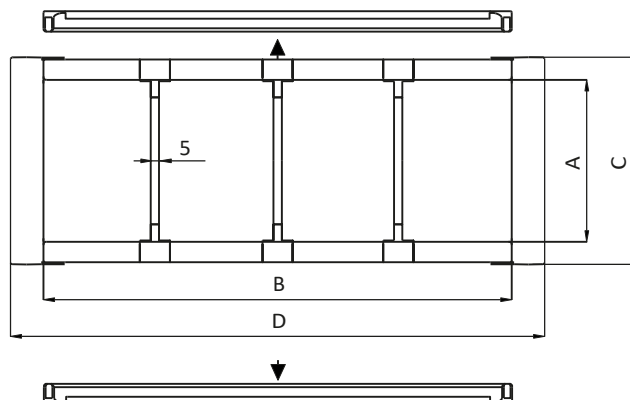
Bending Radius



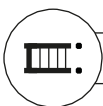
LOAD DIAGRAM



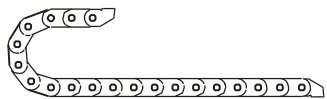
CHAIN CROSS SECTION



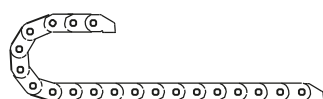
# IRK40-60-80 AL SERIE



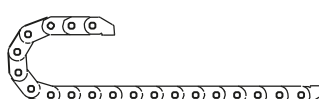
## DRIVER & FIXED CONNECTIONS



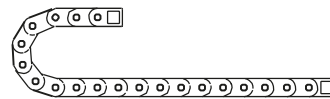
End Brackets



End Brackets

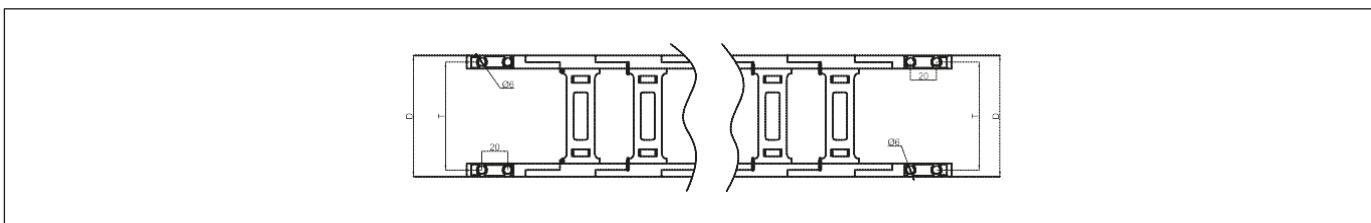


End Brackets

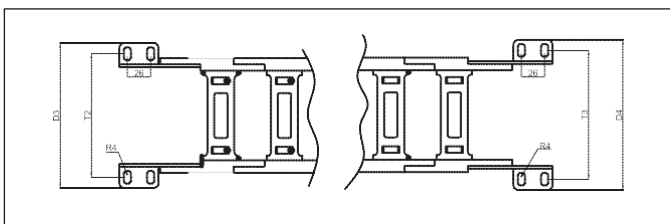


End Brackets

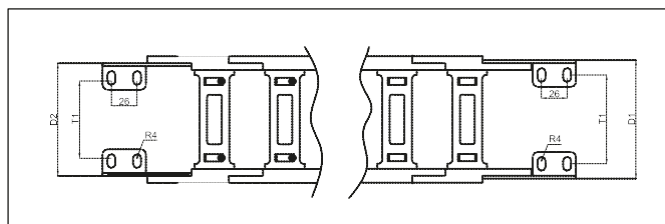
### Plastic End Brackets Connection



### Steel End Brackets Inside Connection



### Steel End Brackets Outside Connection

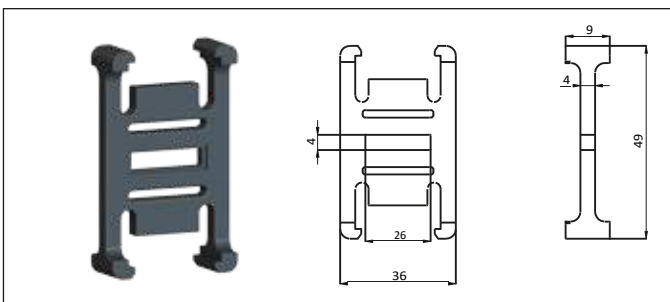


CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK40 AL ...	A+14	A-15	A+45	A+60	A+28	A+24	A+14	A+70	A+85
IRK60 AL ...	A+16	A-15	A+43	A+65	A+30	A+28	A+18	A+67	A+90
IRK80 AL ...	-	A-20	A+60	A+83	-	A+28	A+18	A+86	A+108

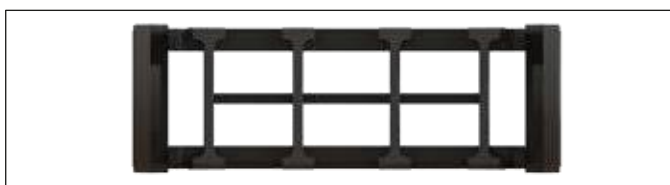
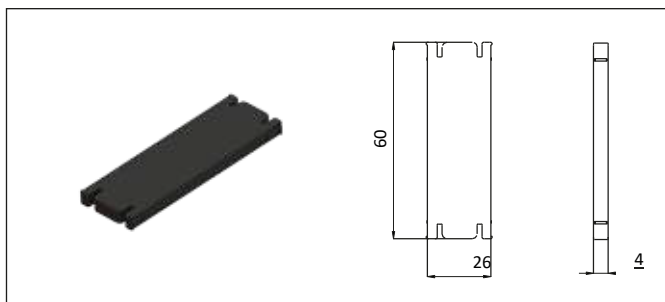


## DIVIDER

### VERTICAL DIVIDER



### HORIZONTAL SEPARATOR



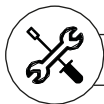
T	TYPE	LENGTH (mm)
	IRK YSP 060	60
	IRK YSP 080	80
	IRK YSP 100	100

# IRK40-60-80 AL SERIE

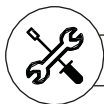
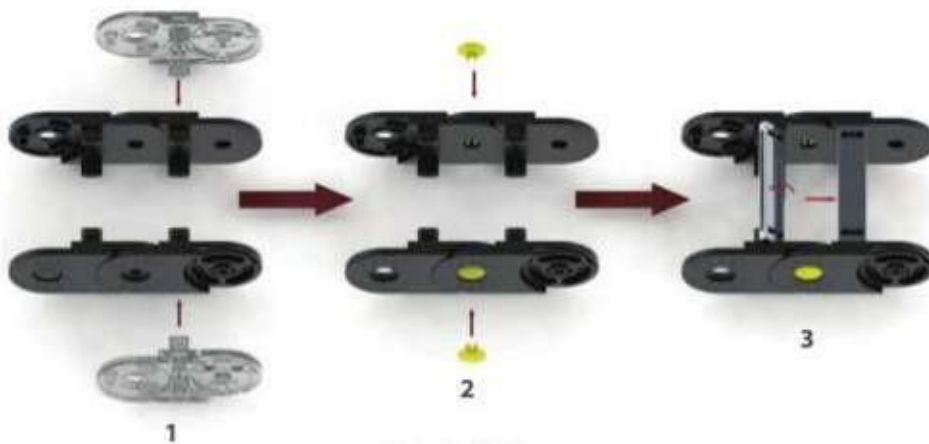


## USE OF DIVIDER

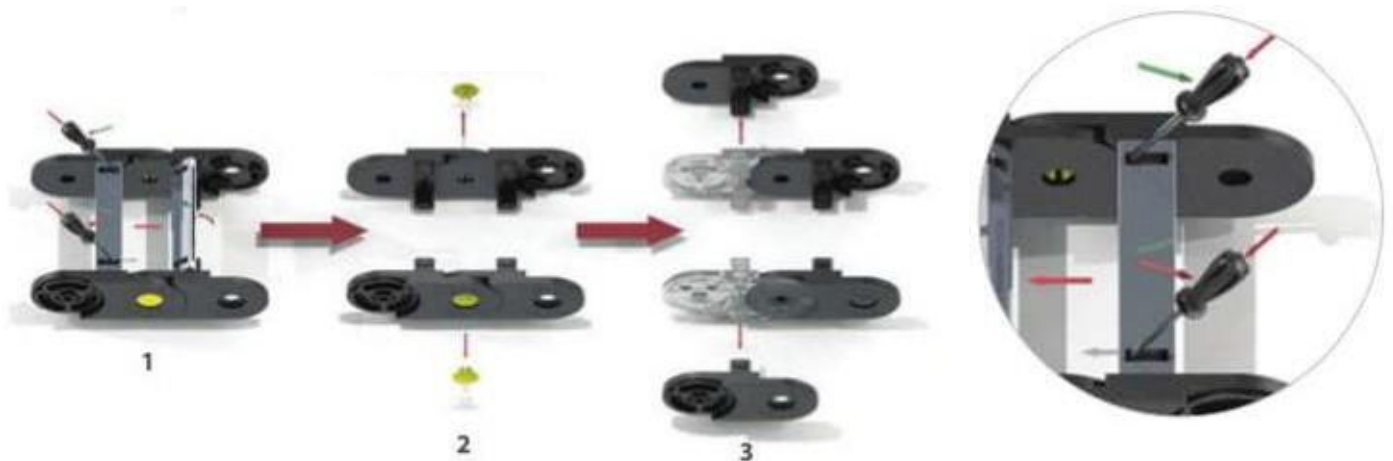
You can separate the cable and hose from each other by using vertical and horizontal divider.



## ASSEMBLY



## DISASSEMBLY



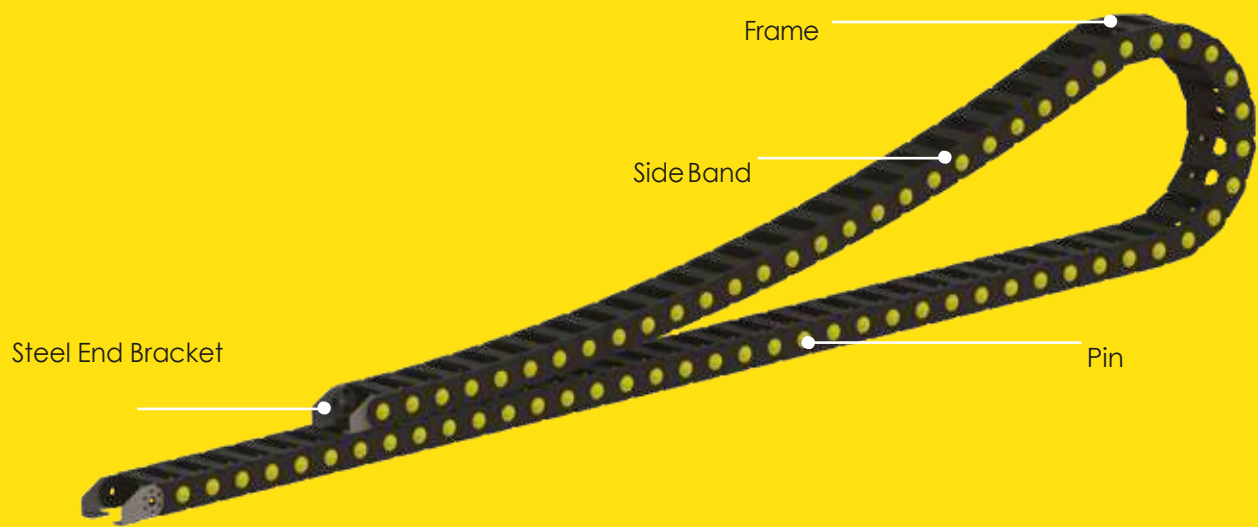


---

# SLIDING SERIE

---

# IRK40SSERIE



## MATERIAL PROPERTIES

PA6 With %30 Fiber Glass



## SPEED

3m/sec



## APPLICATIONS

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

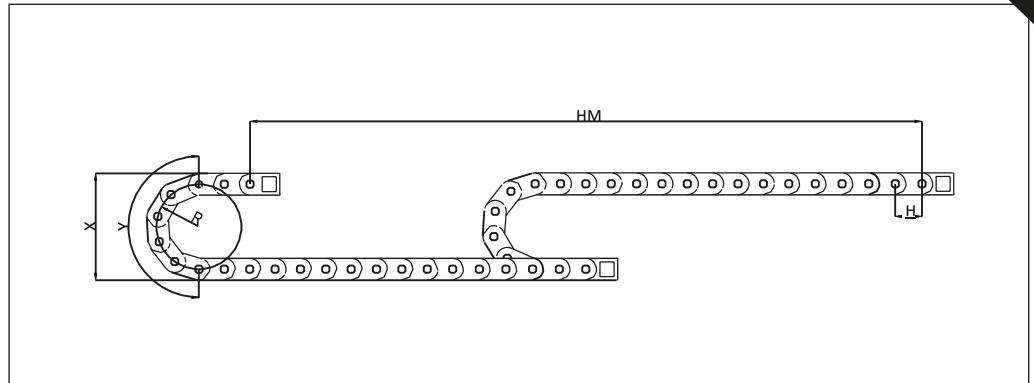


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK40S SERIE

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



$$L = HM/2 + Y$$

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

$$Y = R \times \pi$$

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

<b>R</b>	Bending Radius	200
	H (mm)	72
	X (mm)	462
	Y (mm)	628

# IRK40S SERIE



ORDERING

## IRK40 S 80 R200

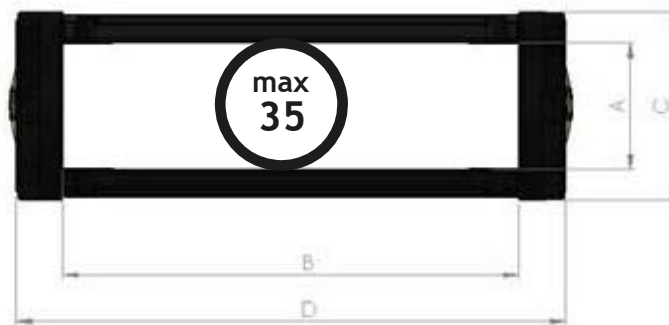


Inner Height

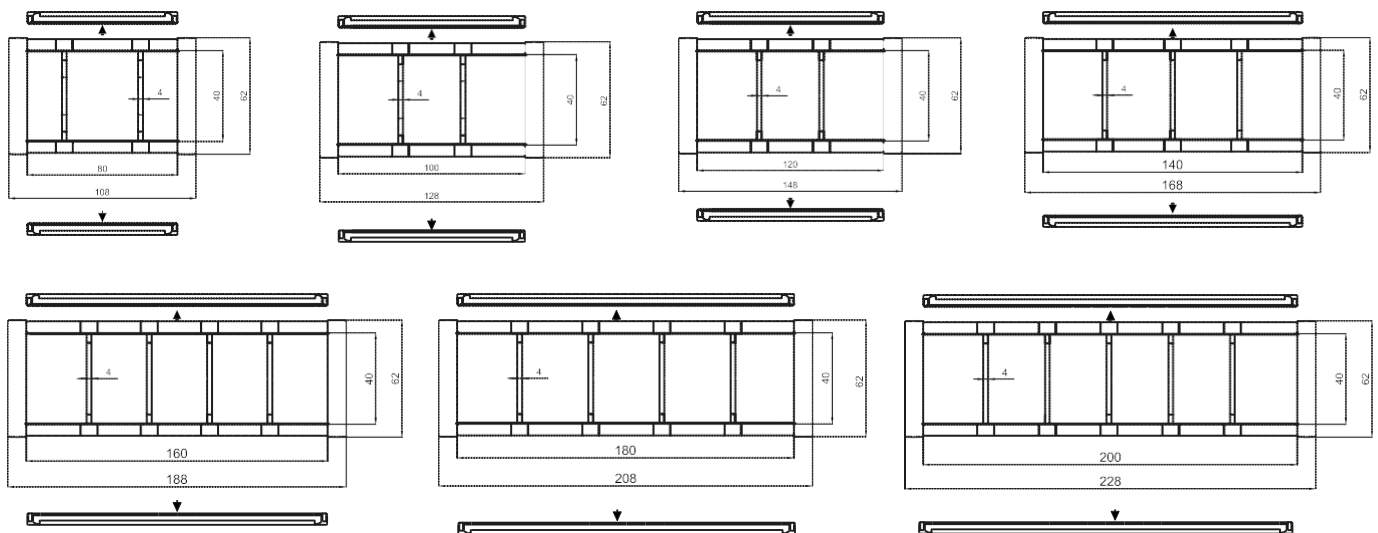
Sliding Design

Inner Width

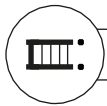
Bending Radius



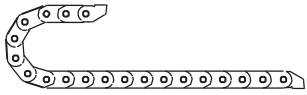
CHAIN CROSS SECTION



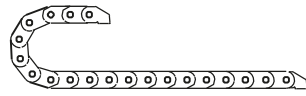
# IRK40SSERIE



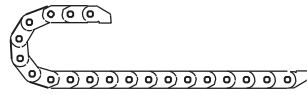
## DRIVER & FIXED CONNECTIONS



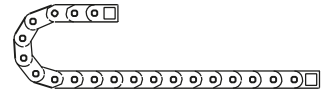
End Brackets



End Brackets

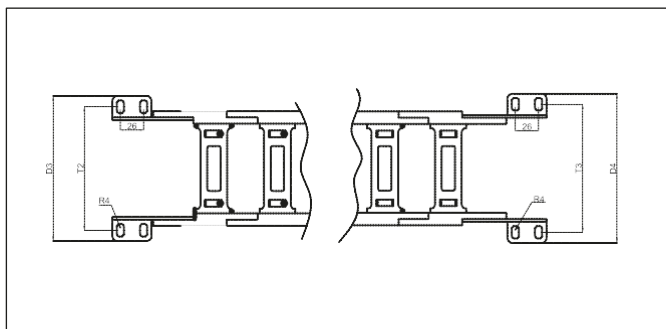


End Brackets

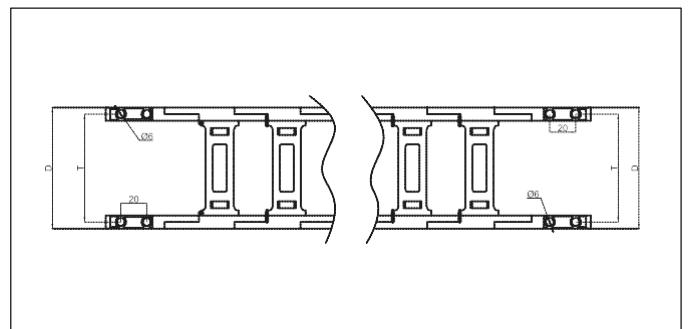


End Brackets

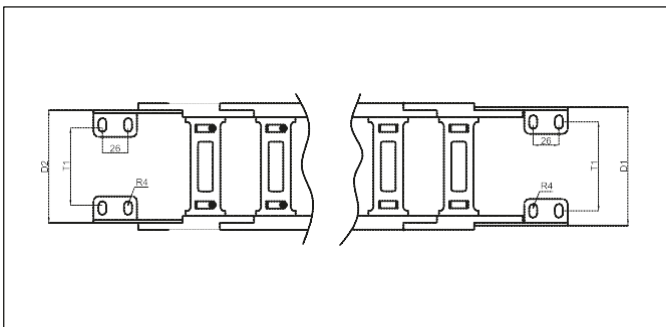
Steel End Brackets Inside Connection



Plastic End Brackets Connection



Steel End Brackets Outside Connection

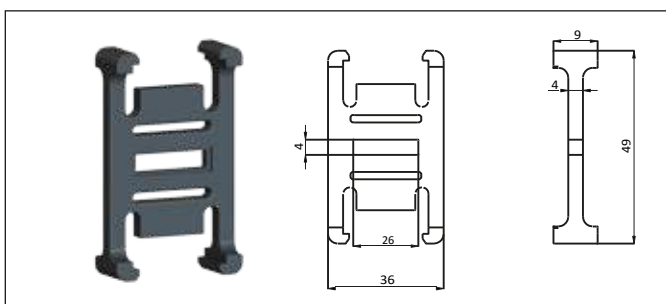


CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK40S 080	94	70	118	124	108	100	94	142	148
IRK40S 100	114	90	138	144	128	120	114	162	168
IRK40S 120	134	110	158	164	148	140	134	182	188
IRK40S 140	154	130	178	184	168	160	154	202	208
IRK40S 160	174	150	198	204	188	180	174	222	228
IRK40S 180	194	170	218	224	208	200	194	242	248
IRK40S 200	214	190	238	244	228	220	214	262	268

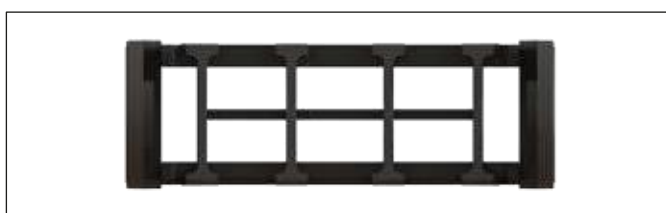
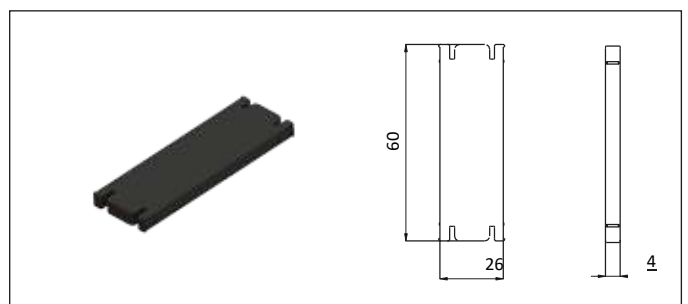


## DIVIDER

VERTICAL DIVIDER



HORIZONTAL SEPARATOR



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

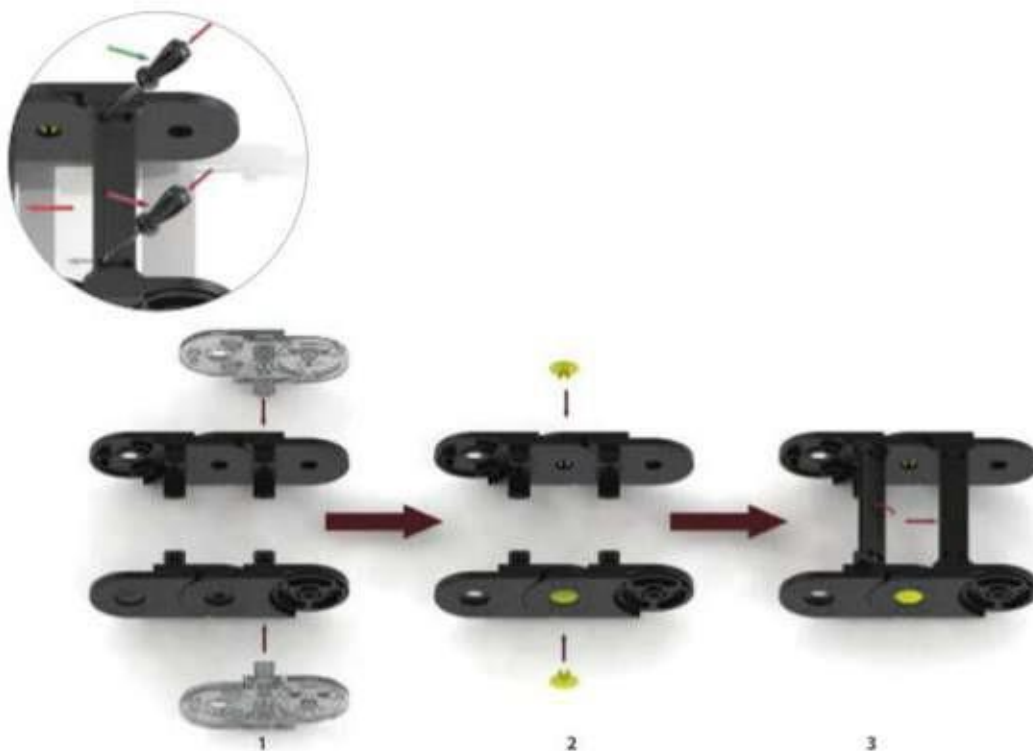


## USE OF DIVIDER

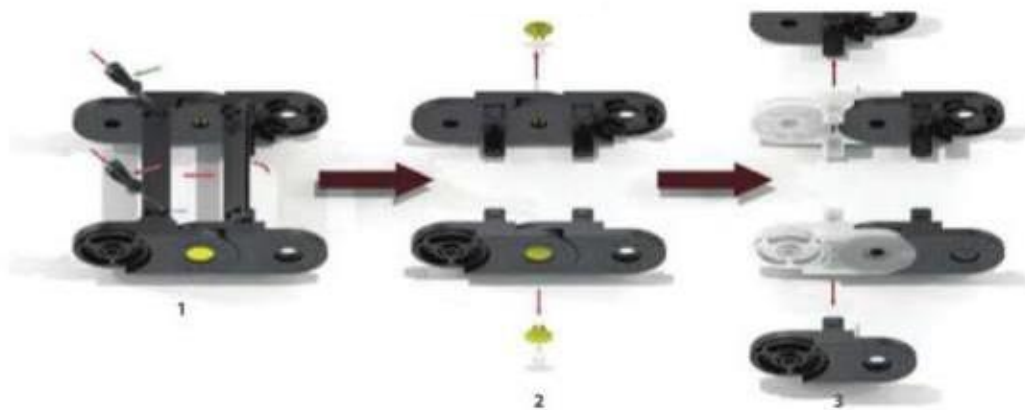
You can separate the cable and hose from each other by using vertical and horizontal divider.



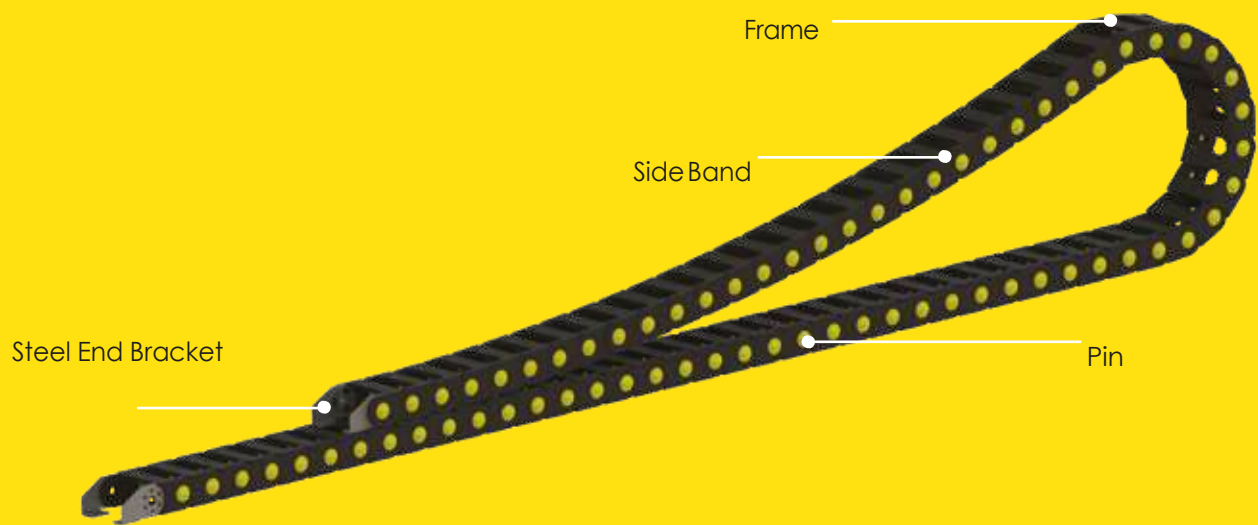
## ASSEMBLY



## DISASSEMBLY



# IRK60SSERIE



## MATERIAL PROPERTIES

PA6 With %30 Fiber Glass



## SPEED

3m/sec



## APPLICATIONS

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

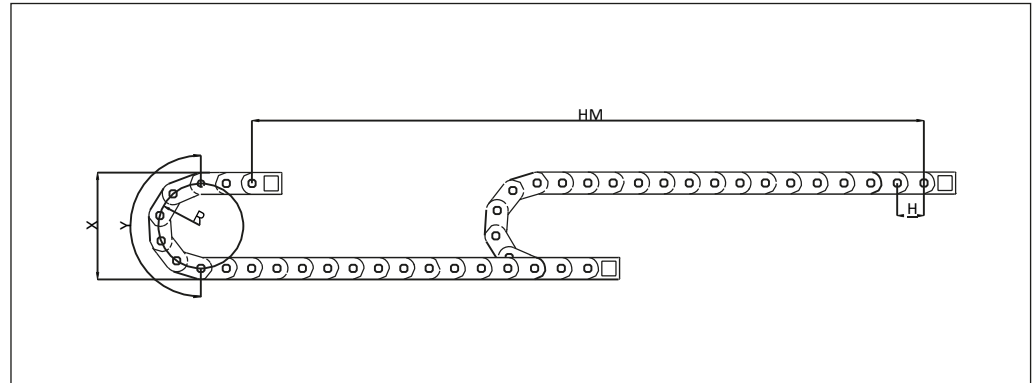


## OPERATING TEMPERATURE

-30°C ~ + 130°C

# IRK60SSERIE

- L Calculation of the chain length
- Distance
- Radius Distance
- Mounting Height
- 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 S 080 R	60	80	82	112	2.98
IRK60 S 100 R		100		132	3.11
IRK60 S 120 R		120		152	3.24
IRK60 S 140 R		140		172	3.37
IRK60 S 160 R		160		192	3.50
IRK60 S 180 R		180		212	3.63
IRK60 S 200 R		200		232	3.76

R	Bending Radius	200
	H (mm)	91
	X (mm)	482
	Y (mm)	628



# IRK60SSERIE



ORDERING

## IRK60 S 80 R200

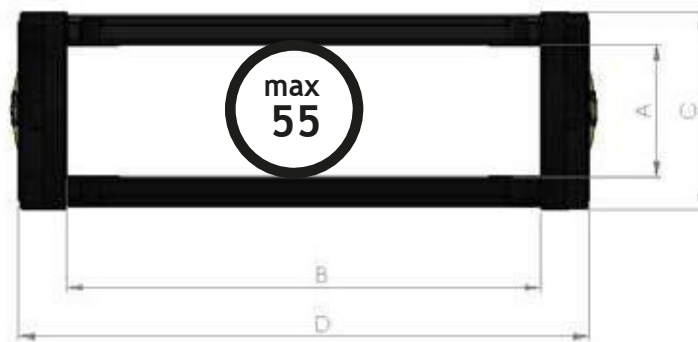


Inner Height

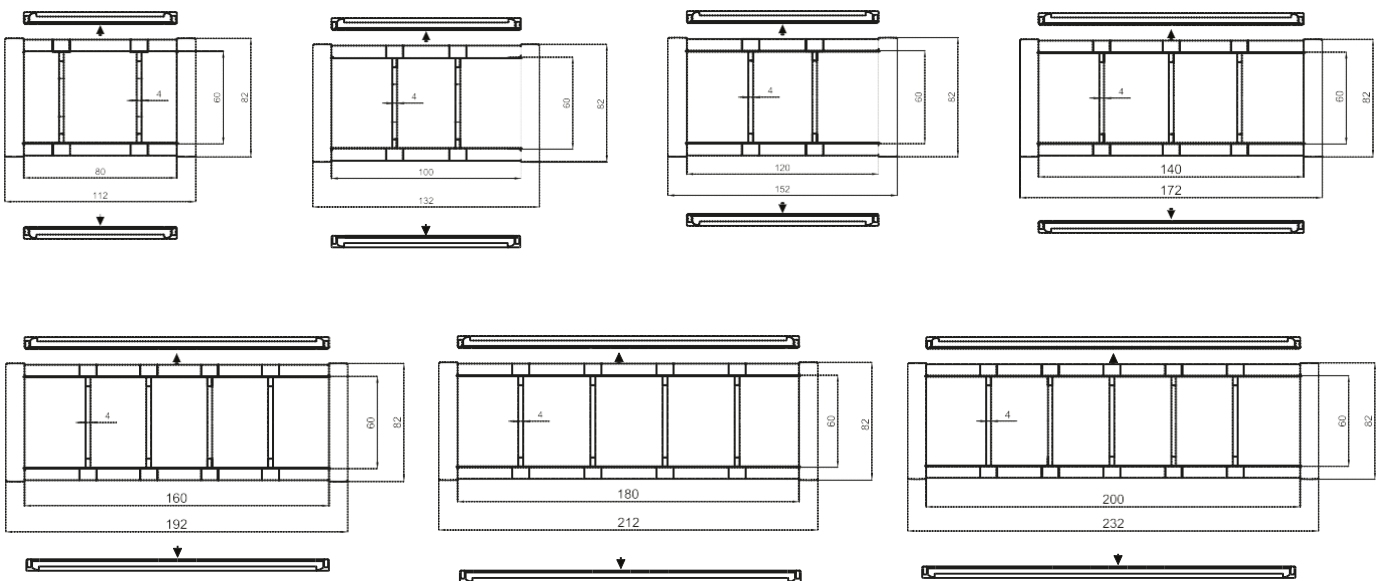
Sliding Design

Inner Width

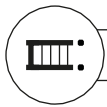
Bending Radius



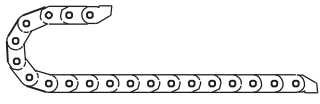
CHAIN CROSS SECTION



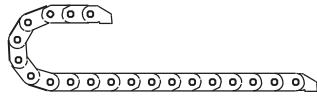
# IRK60SSERIE



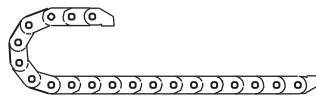
## DRIVER & FIXED CONNECTIONS



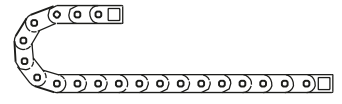
End Brackets



End Brackets

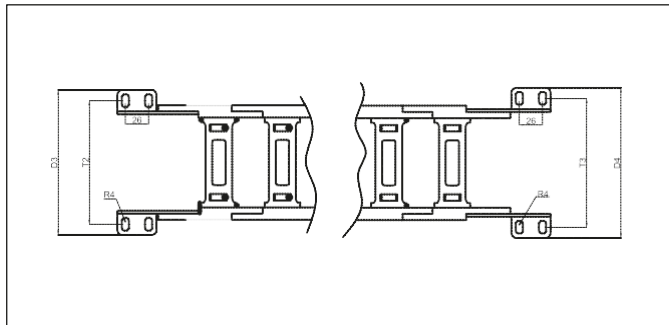


End Brackets

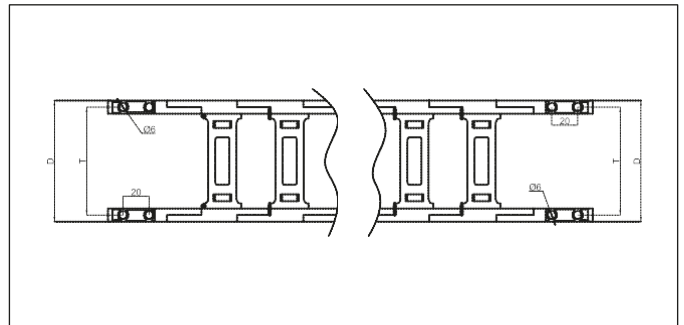


End Brackets

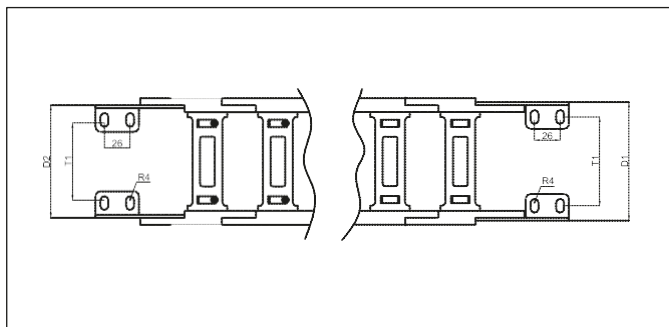
Steel End Brackets Inside Connection



Plastic End Brackets Connection



Steel End Brackets Outside Connection

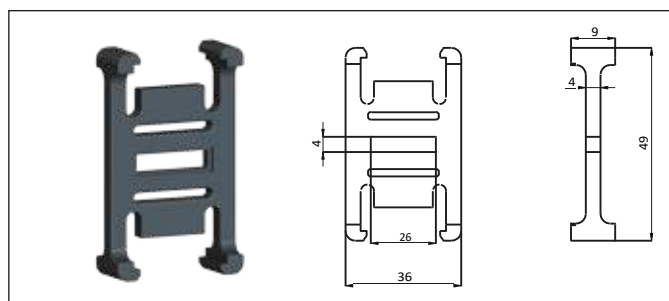


CODE	T	T1	T2	T3	D	D1	D2	D3	D4
IRK60S 080	96	72	120	126	110	102	96	144	150
IRK60S 100	116	92	140	146	130	122	116	164	170
IRK60S 120	136	112	160	166	150	142	136	184	190
IRK60S 140	156	132	180	186	170	162	156	204	210
IRK60S 160	176	152	200	206	190	182	176	224	230
IRK60S 180	196	172	220	226	210	202	196	244	250
IRK60S 200	216	192	240	246	230	222	216	264	270

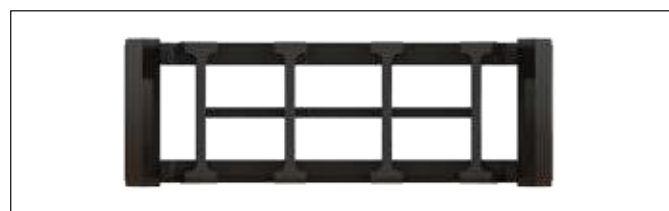
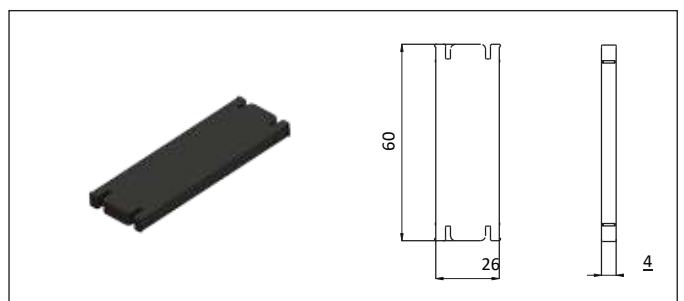


## DIVIDER

VERTICAL DIVIDER



HORIZONTAL SEPARATOR

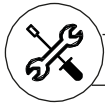


T	TYPE	LENGHT (mm)
	IRK YSP 060	60
	IRK YSP 080	80
	IRK YSP 100	100

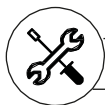
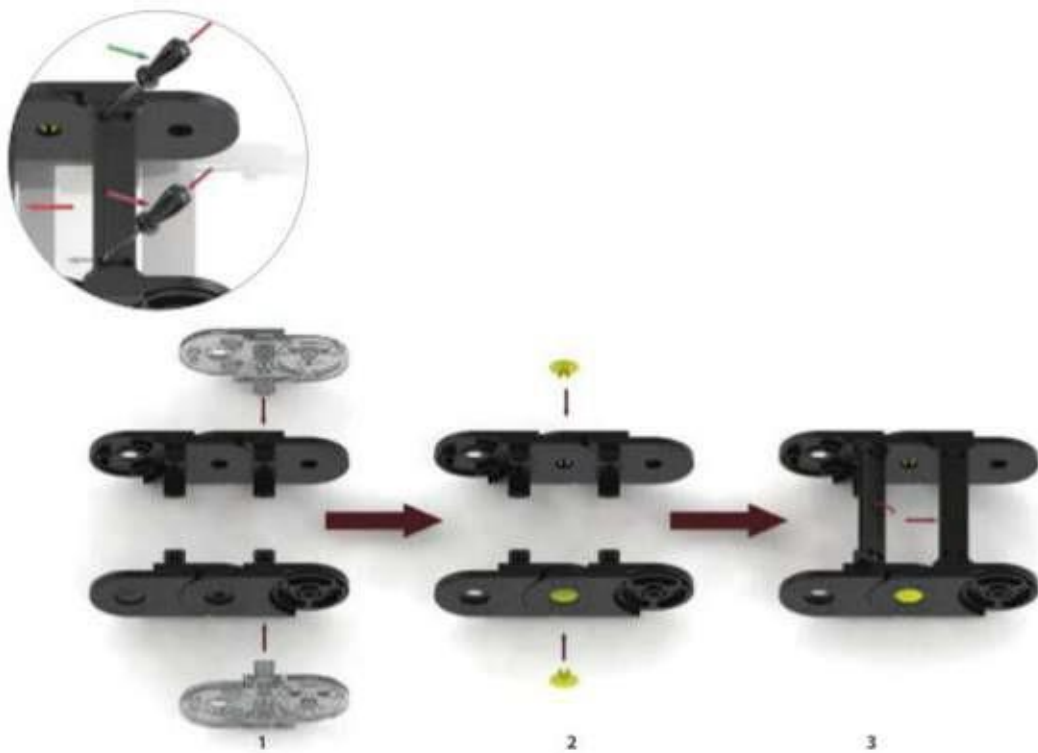


## USE OF DIVIDER

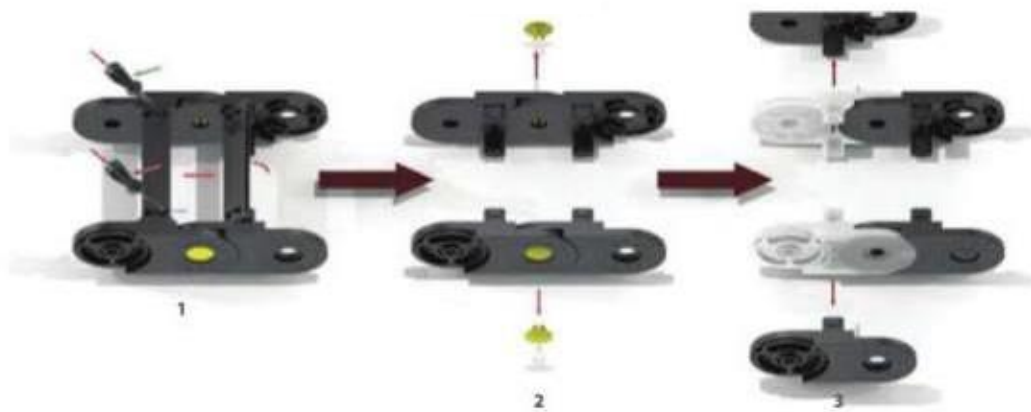
You can separate the cable and hose from each other by using vertical and horizontal divider.



## ASSEMBLY



## DISASSEMBLY

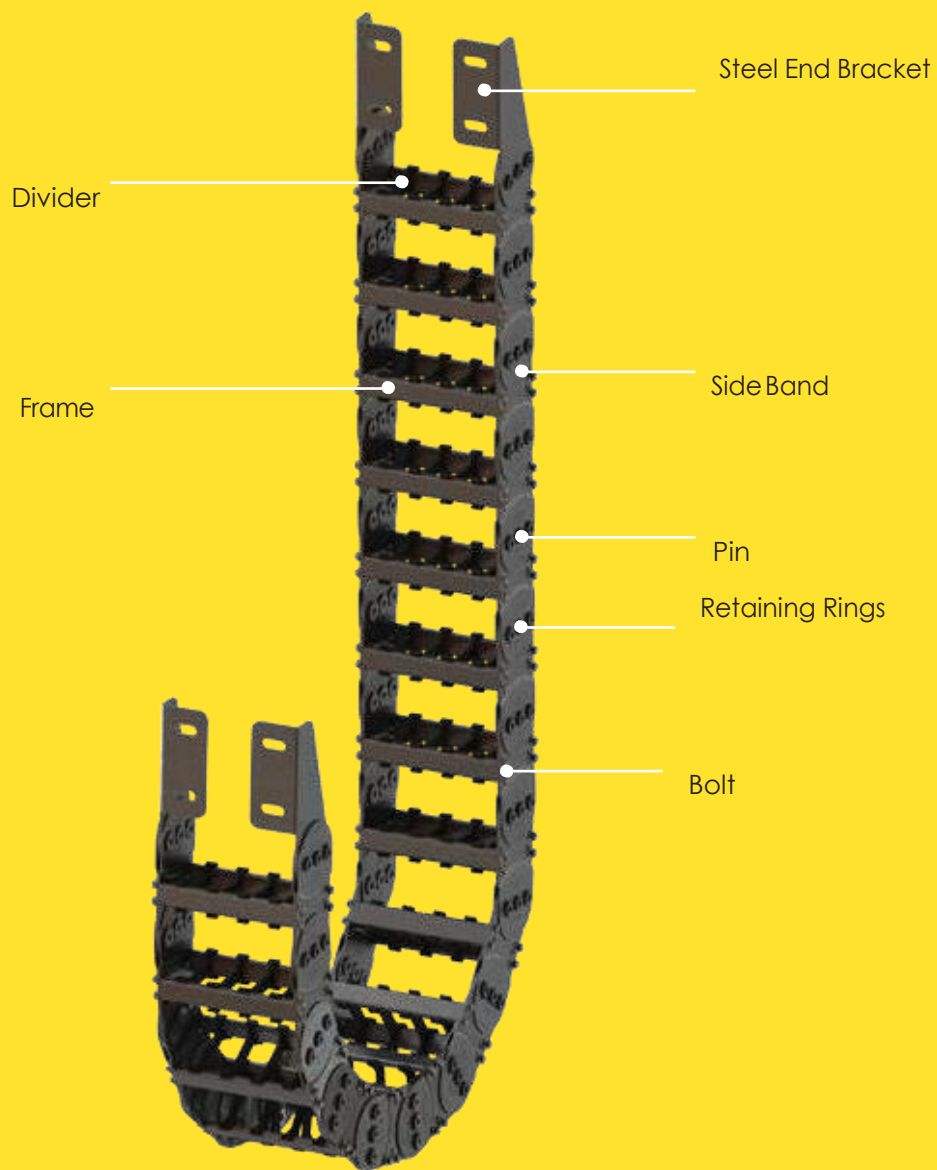


---

# STEELSERIE

---

# IRA SERIE



Aluminium stays width section available

1 mm

## ZINC COATED STEEL

Zinc coated chainbands  
Zinc coated divider  
Connection fittings are zinc coated Aluminium rods  
Plastic divider

## STAINLESS STEEL SERIE

Stainless steel chainbands  
Stainless steel divider  
Stainless steel connection fittings  
Aluminium rods  
Plastic divider



## MATERIAL PROPERTIES

ST52 Quality Steel / Stainless Steel

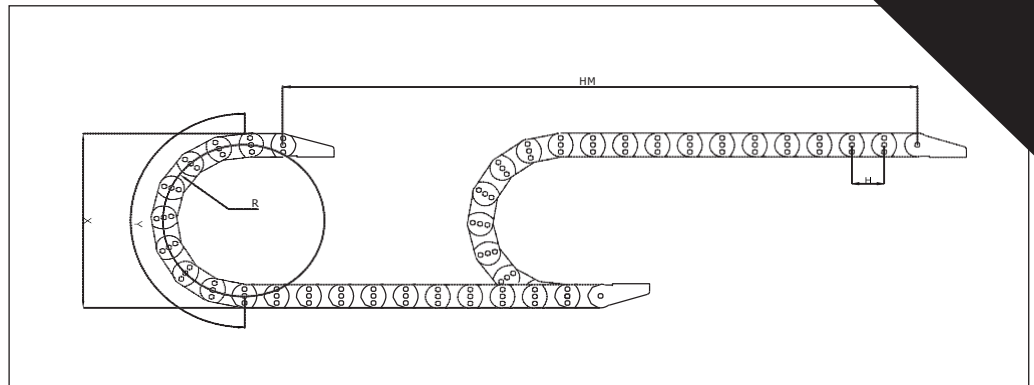


## APPLICATIONS

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

# IRA SERIE

- L** Calculation of the chain length
- HM** Movement Distance
- Y** RadiusDistance
- X** Mounting Height
- Pitch**



$$L = HM/2 + Y$$

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

$$Y = R \times \pi$$

	A	B MIN	B MAX	C	D MIN	D MAX	W
MODEL	Inner Height (mm)	Inner Width (mm)		Outer Height (mm)	Outer Width (mm)		Weight Kg/Mt
IR30 A...	31	50	400	50	66	416	-
IR45 A...	45	80	500	63	102	522	-
IR60 A...	60	80	500	78	102	522	-
IR75 A...	75	100	800	97	130	830	-
IR110 A...	110	200	1000	140	232	1032	-
IR180 A...	180	300	1500	220	345	1545	-

R	IR30 A	Bending Radius	75	150	300
		H (mm)	65	65	65
		X (mm)	200	350	650
		Y (mm)	235	471	942

R	IR45 A	Bending Radius	75	100	150	200	250
		H (mm)	85	85	85	85	85
		X (mm)	213	263	363	463	563
		Y (mm)	235	314	471	628	785

R	IR60 A	Bending Radius	100	150	200	250	300	400	500
		H (mm)	100	100	100	100	100	100	100
		X (mm)	278	378	478	578	678	878	1078
		Y (mm)	314	471	628	785	942	1256	1570

R	IR75 A	Bending Radius	150	200	250	300	450
		H (mm)	125	125	125	125	125
		X (mm)	397	497	597	697	997
		Y (mm)	471	628	785	942	1413

R	IR110 A	Bending Radius	250	300	350	400	500	600	800	1000
		H (mm)	175	175	175	175	175	175	175	175
		X (mm)	640	740	840	940	1140	1340	1740	2140
		Y (mm)	785	942	1099	1256	1570	1884	2512	3140

# IRA SERIE

R	IR180 A	Bending Radius	400	500	600	700	800	900	1100	1400
		H (mm)	250	250	250	250	250	250	250	250
		X (mm)	1020	1220	1420	1620	1820	2020	2420	3020
		Y (mm)	1256	1570	1884	2198	2512	2826	3454	4396



## ORDERING



## LOAD DIAGRAM

**IR45 A 80 R100**

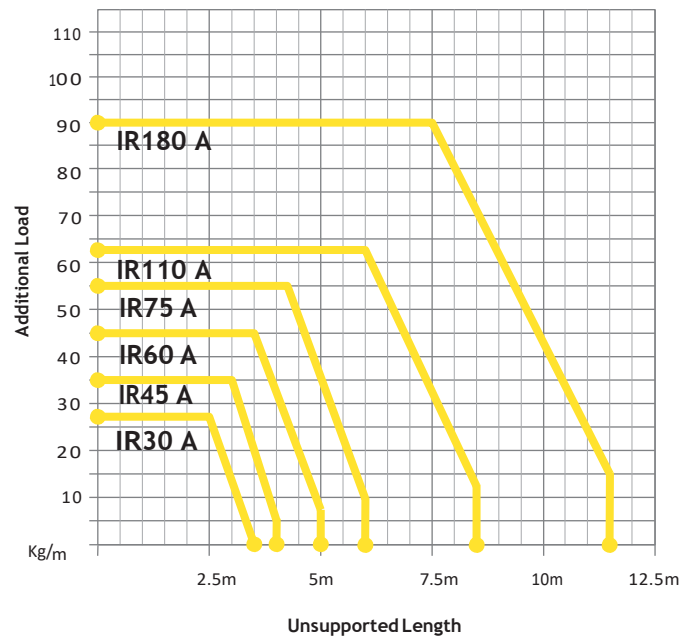
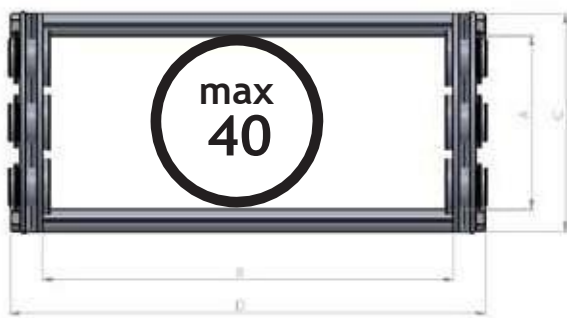


Inner Height

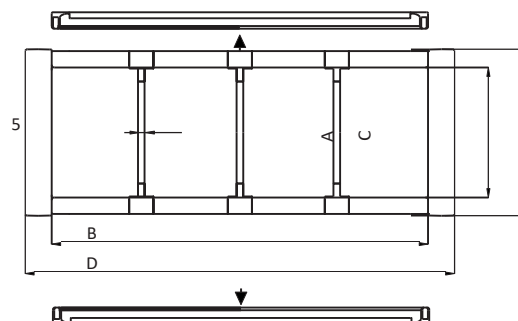
Open Design

Inner Width

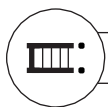
Bending Radius



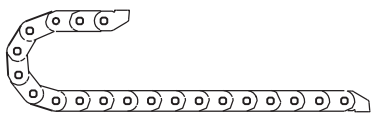
## CHAIN CROSS SECTION



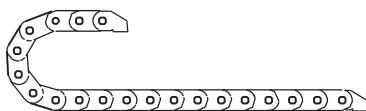
# IRA SERIE



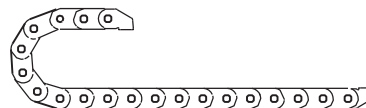
## DRIVER & FIXED CONNECTIONS



End Brackets

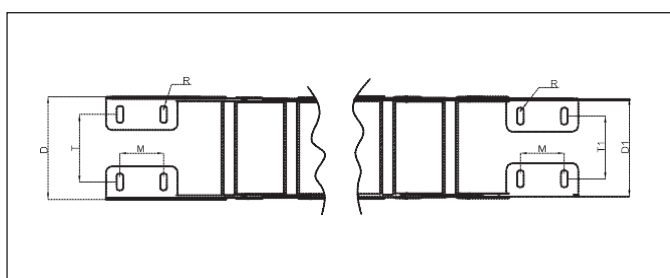


End Brackets

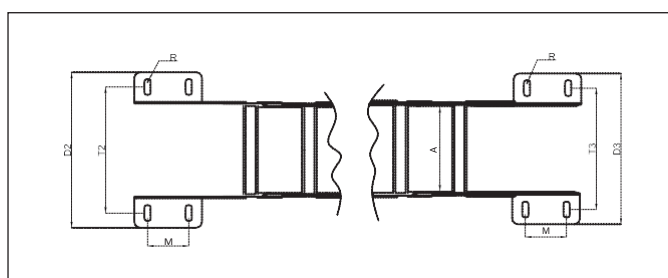


End Brackets

Steel End Brackets Inside Connection



Steel End Brackets Outside Connection

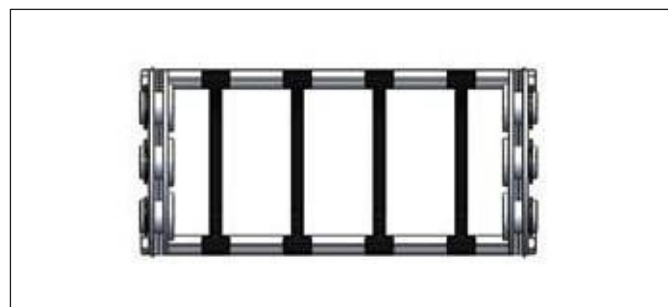
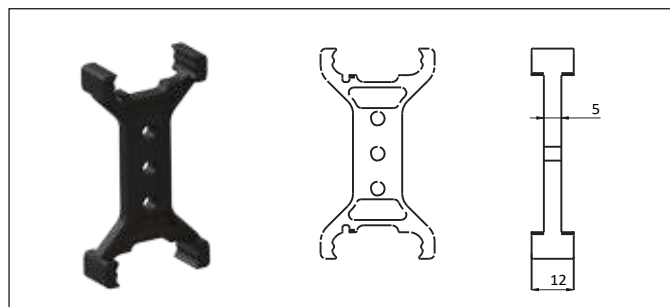


CODE	T	T1	D	D1	T2	T3	D2	D3	M	R
IR30 A ...	A-16	A-26	A+16	A+6	A+48	A+39	A+68	A+63	45	6.5
IR45 A ...	A-26	A-36	A+16	A+6	A+58	A+49	A+93	A+88	65	8.6
IR60 A ...	A-46	A-56	A+16	A+6	A+68	A+64	A+115	A+110	70	10.8
IR75 A ...	A-41	A-53	A+20	A+10	A+79	A+71	A+129	A+120	80	13
IR110 A ...	A-45	A-57	A+24	A+16	A+84	A+76	A+144	A+136	115	13
IR180 A ...	A-58	A-72	A+36	A+24	A+122	A+108	A+216	A+202	170	16.5



## DIVIDER

### VERTICAL DIVIDER



The dividers can be moved in the cross section.



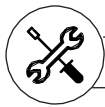
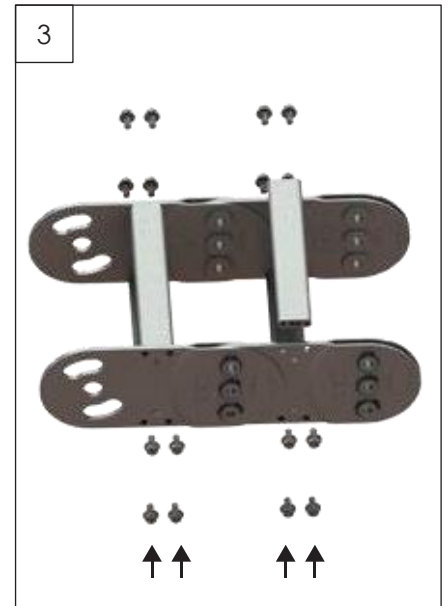
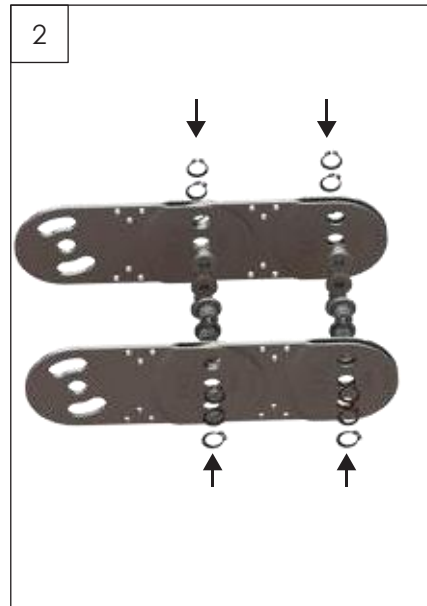
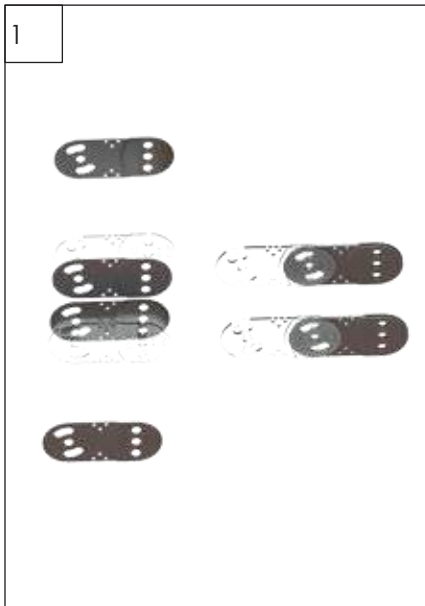
## USE OF DIVIDER

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

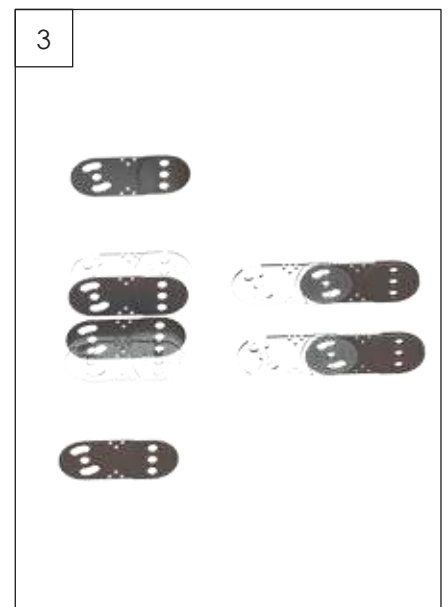
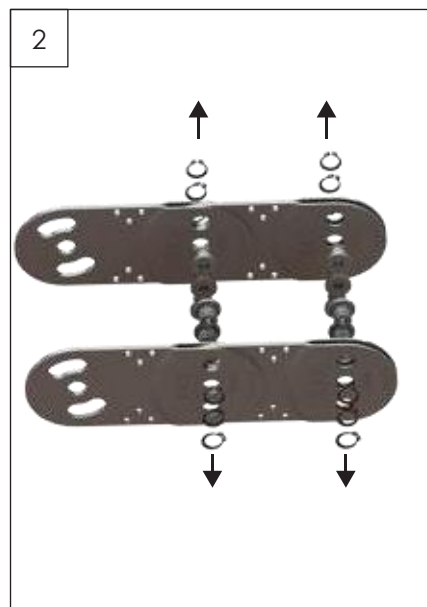




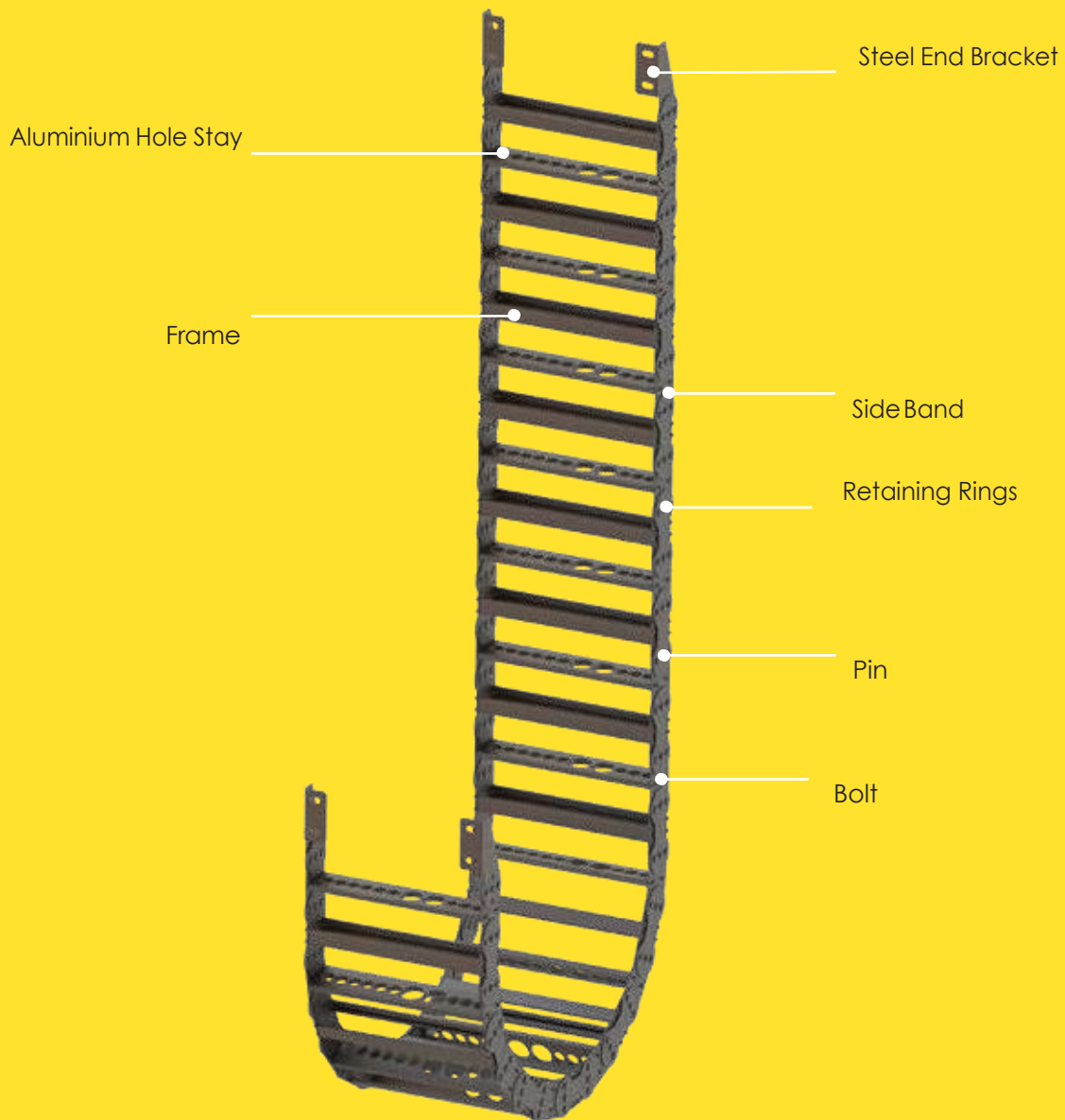
## ASSEMBLY



## DISASSEMBLY



# IRB SERIE



Aluminium stays width section available

1 mm

## ZINCCOATEDSTEEL

Zinc coated chainbands  
Connection fittings are zinc coated  
Aluminium rods

## STAINLESS STEEL SERIE

Stainless steel chain bands  
Stainless steel connection fittings  
Aluminium rods

Aluminium designs are made of according to the cable and hoses hole dimensions which is suitable for customers projects.



### MATERIAL PROPERTIES

ST52 Quality Steel / Stainless Steel

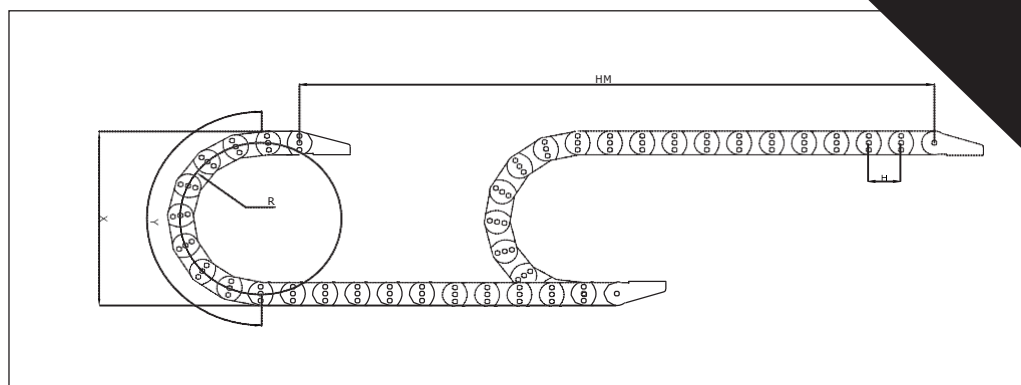


### APPLICATIONS

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

# IRB SERIE

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



$$L = HM/2 + Y$$

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

$$Y = R \times \pi$$

	A	B MIN	B MAX	C	D MIN	D MAX	W
MODEL	Inner Height (mm)	Inner Width (mm)		Outer Height (mm)	Outer Width (mm)		Weight Kg/Mt
IR30 B...	-	50	400	50	62	416	-
IR45 B...	-	80	500	63	102	522	=
IR60 B...	-	80	500	78	102	522	=
IR75 B...	-	100	800	97	130	830	-
IR110 B...	-	200	1000	140	232	1032	=
IR180 B...	-	300	1500	220	345	1545	=

R	IR30 B	Bending Radius	75	150	300
	H (mm)		65	65	65
	X (mm)		200	350	650
	Y (mm)		235	471	942

R	IR45 B	Bending Radius	75	100	150	200	250
	H (mm)		85	85	85	85	85
	X (mm)		213	263	363	463	563
	Y (mm)		235	314	471	628	785

R	IR60 B	Bending Radius	100	150	200	250	300	400	500
	H (mm)		100	100	100	100	100	100	100
	X (mm)		278	378	478	578	678	878	1078
	Y (mm)		314	471	628	785	942	1256	1570

R	IR75 B	Bending Radius	150	200	250	300	450
	H (mm)		125	125	125	125	125
	X (mm)		397	497	597	697	997
	Y (mm)		471	628	785	942	1413

R	IR110 B	Bending Radius	250	300	350	400	500	600	800	1000
	H (mm)		175	175	175	175	175	175	175	175
	X (mm)		640	740	840	940	1140	1340	1740	2140
	Y (mm)		785	942	1099	1256	1570	1884	2512	3140

# IRB SERIE

R	IR180 B	Bending Radius	400	500	600	700	800	900	1100	1400
		H (mm)	250	250	250	250	250	250	250	250
		X (mm)	1020	1220	1420	1620	1820	2020	2420	3020
		Y (mm)	1256	1570	1884	2198	2512	2826	3454	4396



ORDERING



LOAD DIAGRAM

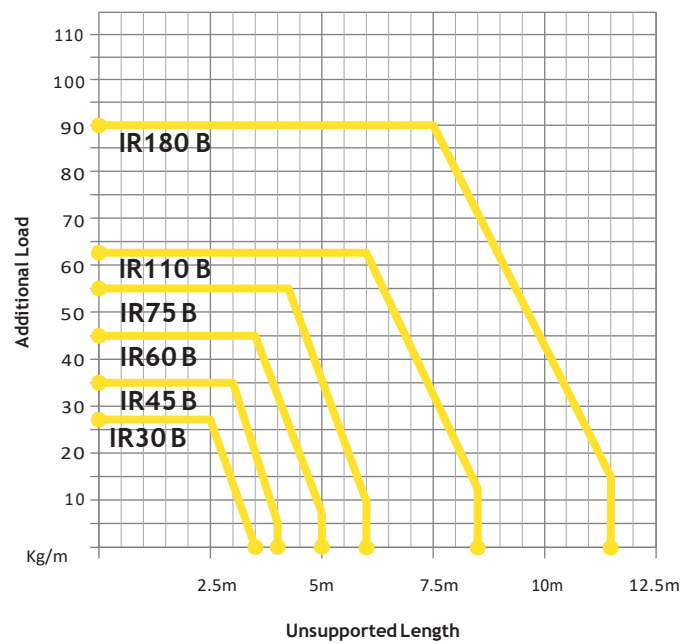
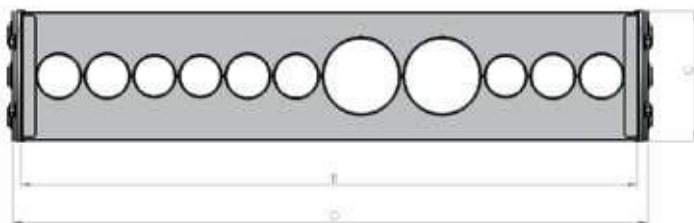
**IR60 B 80 R100**

Inner Height

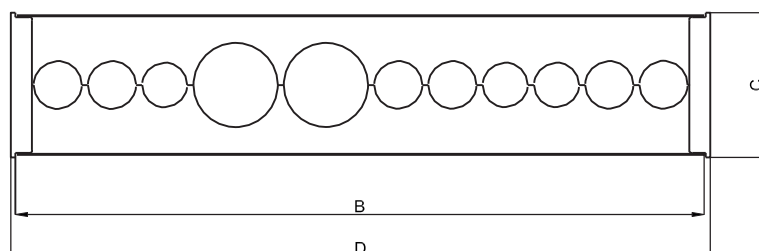
Aluminium Hole Stay

Inner Width

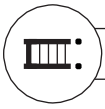
Bending Radius



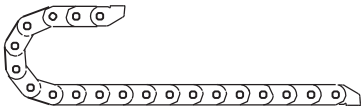
CHAIN CROSS SECTION



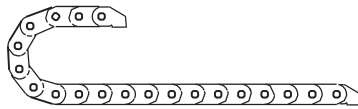
# IRB SERIE



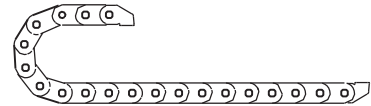
## DRIVER & FIXED CONNECTIONS



End Brackets

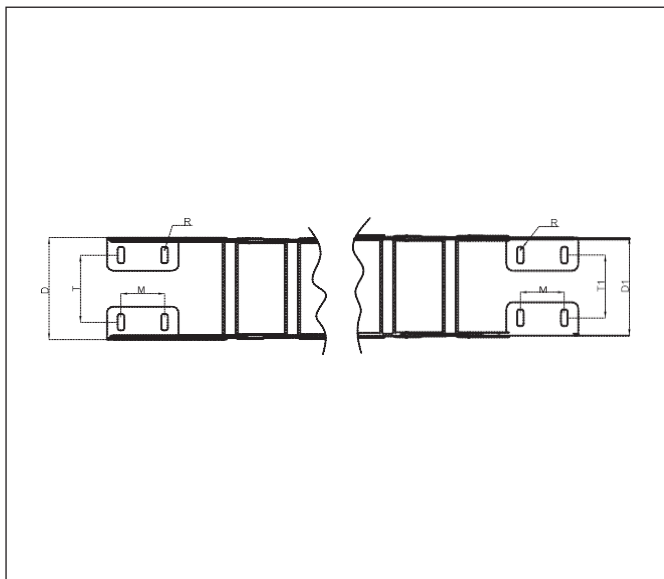


End Brackets

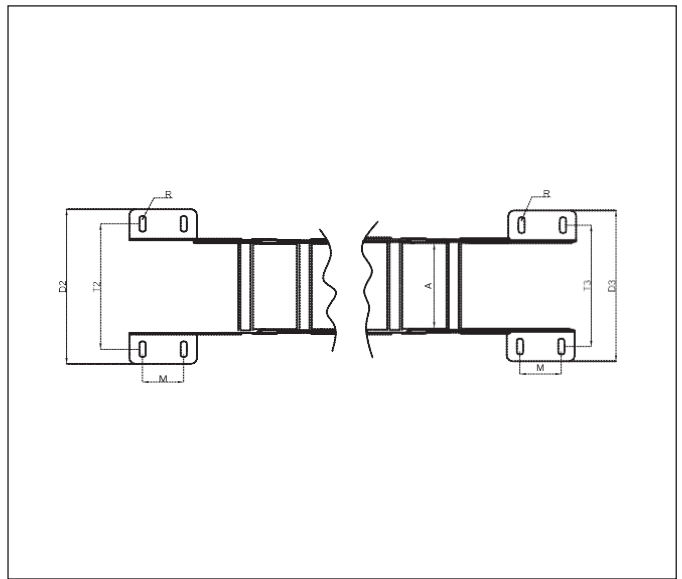


End Brackets

Steel End Brackets Inside Connection



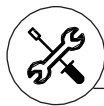
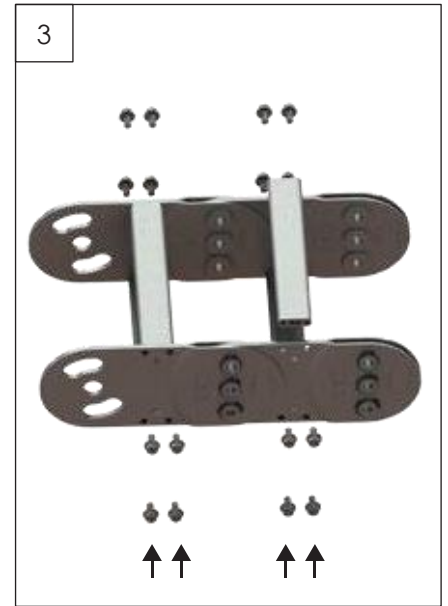
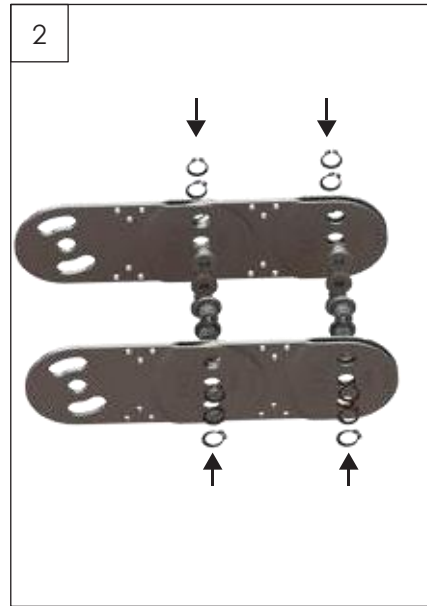
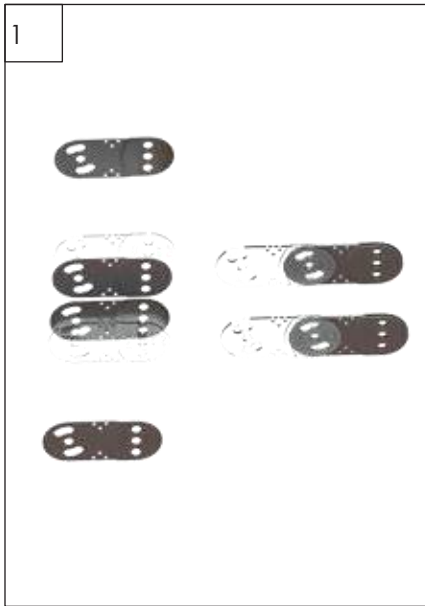
Steel End Brackets Outside Connection



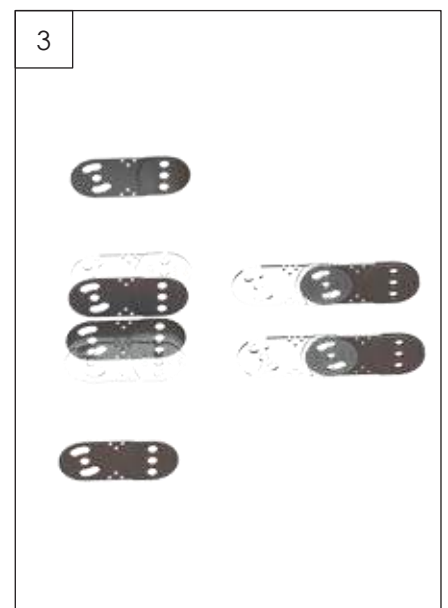
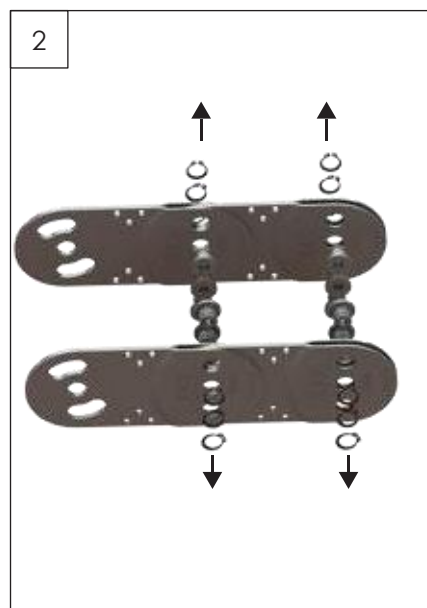
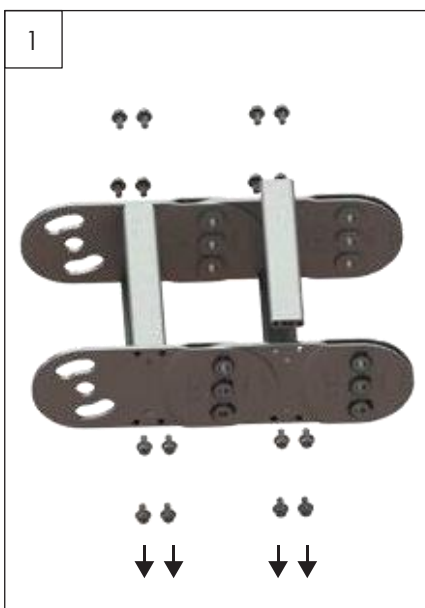
CODE	T	T1	D	D1	T2	T3	D2	D3	M	R
IR30 A ...	A-16	A-26	A+16	A+6	A+48	A+39	A+68	A+63	45	6.5
IR45 A ...	A-26	A-36	A+16	A+6	A+58	A+49	A+93	A+88	65	8.6
IR60 A ...	A-46	A-56	A+16	A+6	A+68	A+64	A+115	A+110	70	10.8
IR75 A ...	A-41	A-53	A+20	A+10	A+79	A+71	A+129	A+120	80	13
IR110 A ...	A-45	A-57	A+24	A+16	A+84	A+76	A+144	A+136	115	13
IR180 A ...	A-58	A-72	A+36	A+24	A+122	A+108	A+216	A+202	170	16.5



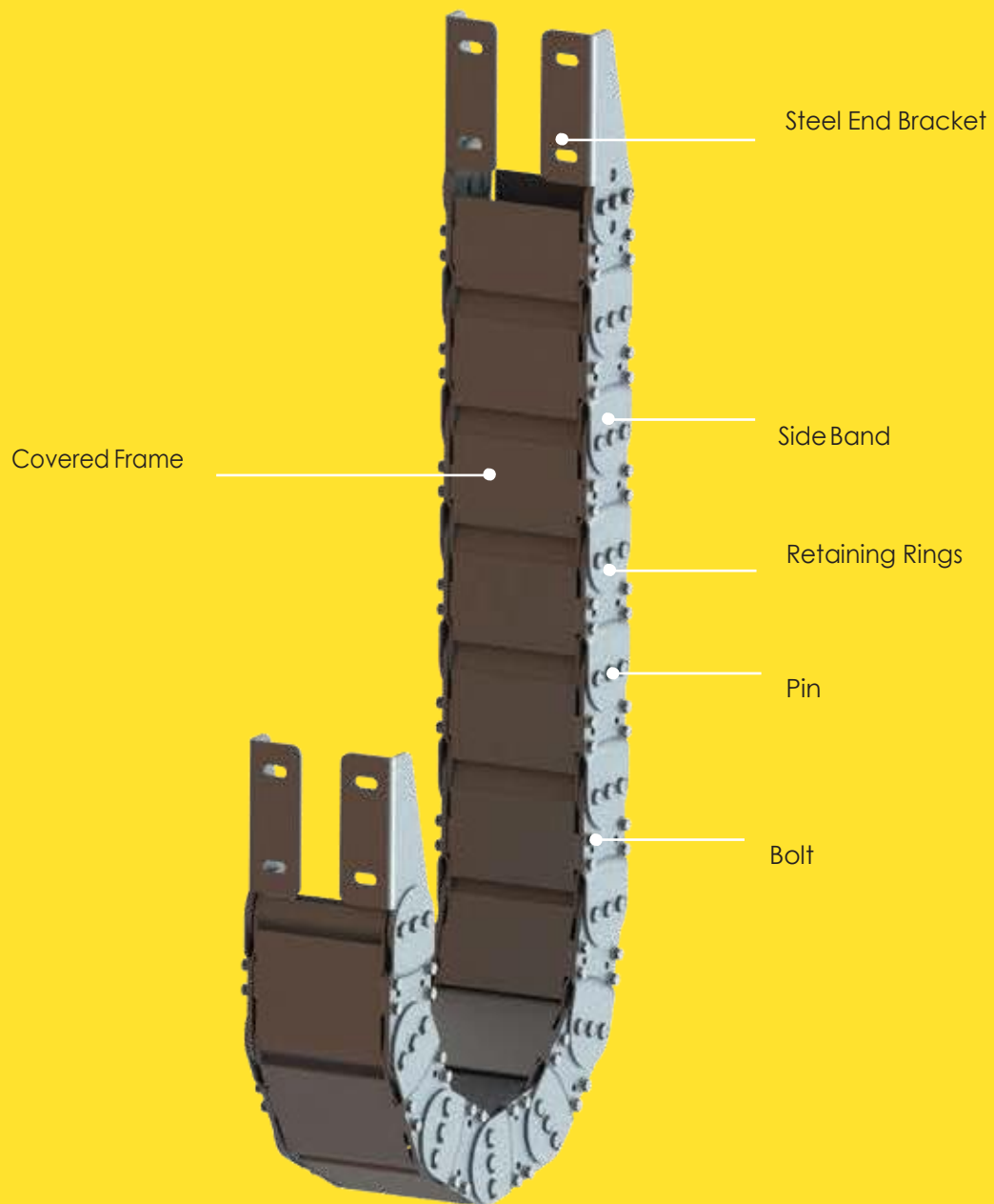
## ASSEMBLY



## DISASSEMBLY



# IRK SERIE



Aluminium stays width section available

1 mm

## ZINCCOATED STEEL

Zinc coated chain bands  
Zinc coated divider  
Connection fittings are zinc coated  
Aluminium rods  
Covered by steel band

## STAINLESS STEEL SERIE

Stainless steel chain bands  
Stainless steel divider  
Stainless steel connection fittings  
Aluminium rods  
Covered by stainless steel band



## MATERIAL PROPERTIES

ST52 Quality Steel / Stainless Steel

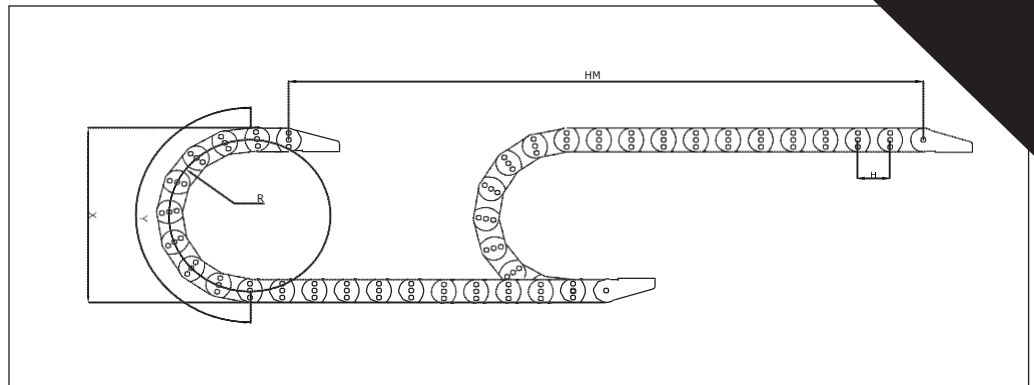


## APPLICATIONS

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

# IRK SERIE

- L** Calculation of the chain length
- HM** Movement Distance
- Y** Radius Distance
- X** Mounting Height
- H** Pitch



$$L = HM/2 + Y$$

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

$$Y = R \times \pi$$

	A	B MIN	B MAX	C	D MIN	D MAX	W
MODEL	Inner Height (mm)	Inner Width (mm)		Outer Height (mm)	Outer Width (mm)		Weight Kg/Mt
IR30 K...	30	50	400	50	66	416	-
IR45 K...	45	80	500	63	102	522	-
IR60 K...	60	80	500	78	102	522	-
IR75 K...	75	100	800	97	130	830	-
IR110 K...	110	200	1000	140	232	1032	-
IR180 K...	180	300	1500	220	345	1545	-

Bending Radius

R	IR30 K	150	300
H (mm)		65	65
X (mm)		350	650
Y (mm)		471	942

Bending Radius

R	IR45 K	150	200	250
H (mm)		85	85	85
X (mm)		363	463	563
Y (mm)		471	628	785

R	IR60 K	Bending Radius		
		200	250	300
H (mm)		100	100	100
X (mm)		478	578	678
Y (mm)		628	785	942

R	IR75 K	Bending Radius	
		250	300
H (mm)		125	125
X (mm)		597	697
Y (mm)		785	942

R	IR110 K	Bending Radius					
		350	400	500	600	800	1000
H (mm)		175	175	175	175	175	175
X (mm)		840	940	1140	1340	1740	2140
Y (mm)		1099	1256	1570	1884	2512	3140

R	IR180 K	Bending Radius							
		400	500	600	700	800	900	1100	1400
H (mm)		250	250	250	250	250	250	250	250
X (mm)		1020	1220	1420	1620	1820	2020	2420	3020
Y (mm)		1256	1570	1884	2198	2512	2826	3454	4396





## ORDERING

**IR45 K 80 R100**



Inner Height

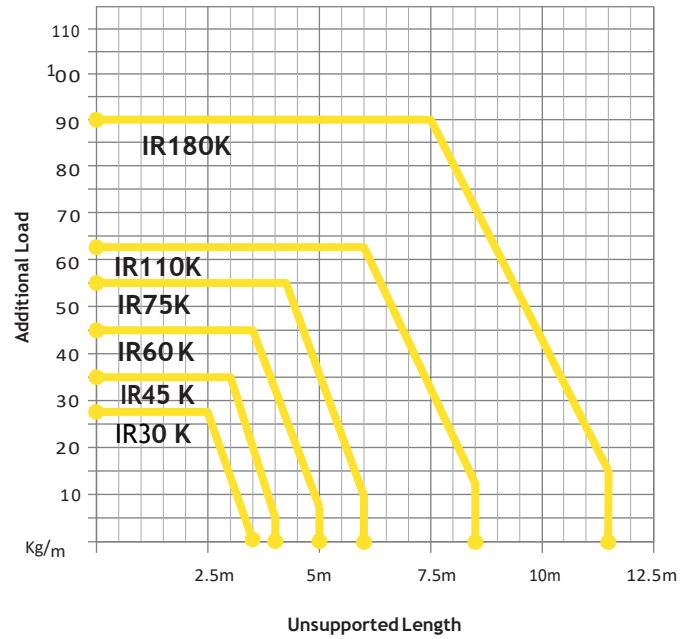
Covered Design

Inner Width

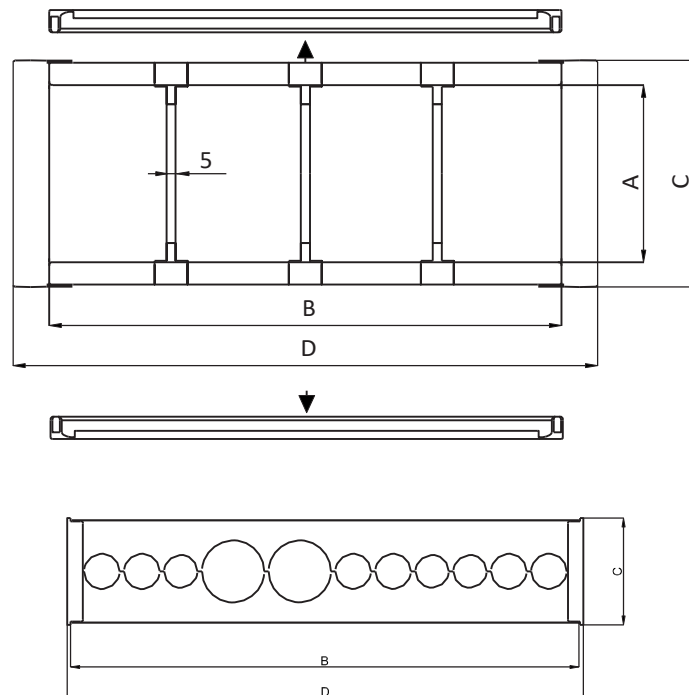
Bending Radius



## LOAD DIAGRAM



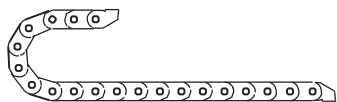
## CHAIN CROSS SECTION



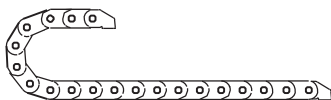
# IRK SERIE



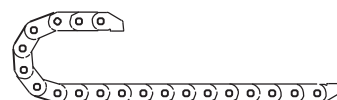
## DRIVER & FIXED CONNECTIONS



End Brackets

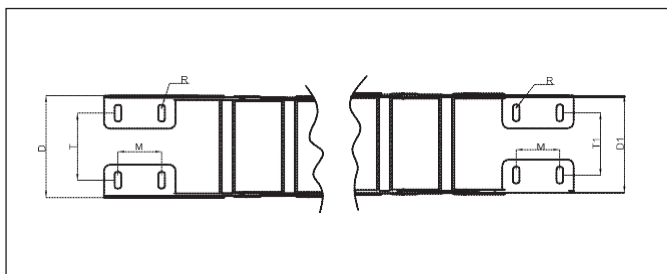


End Brackets

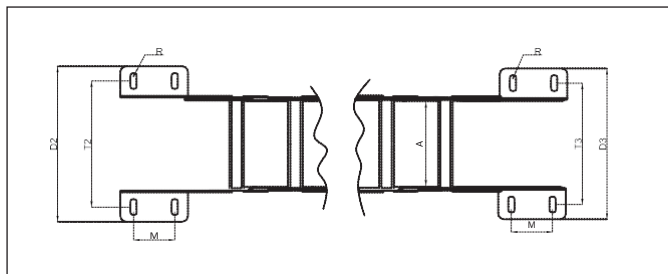


End Brackets

Steel End Brackets Inside Connection



Steel End Brackets Outside Connection

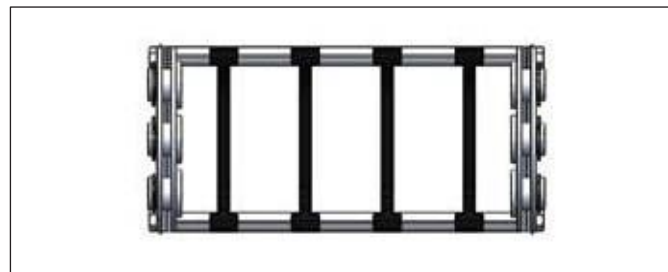
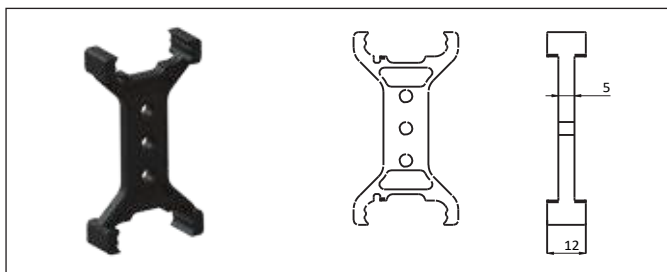


CODE	T	T1	D	D1	T2	T3	D2	D3	M	R
IR30 A ...	A-16	A-26	A+16	A+6	A+48	A+39	A+68	A+63	45	6.5
IR45 A ...	A-26	A-36	A+16	A+6	A+58	A+49	A+93	A+88	65	8.6
IR60 A ...	A-46	A-56	A+16	A+6	A+68	A+64	A+115	A+110	70	10.8
IR75 A ...	A-41	A-53	A+20	A+10	A+79	A+71	A+129	A+120	80	13
IR110 A ...	A-45	A-57	A+24	A+16	A+84	A+76	A+144	A+136	115	13
IR180 A ...	A-58	A-72	A+36	A+24	A+122	A+108	A+216	A+202	170	16.5



## DIVIDER

### VERTICAL DIVIDER



The dividers can be moved in the cross section.



## USE OF DIVIDER

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