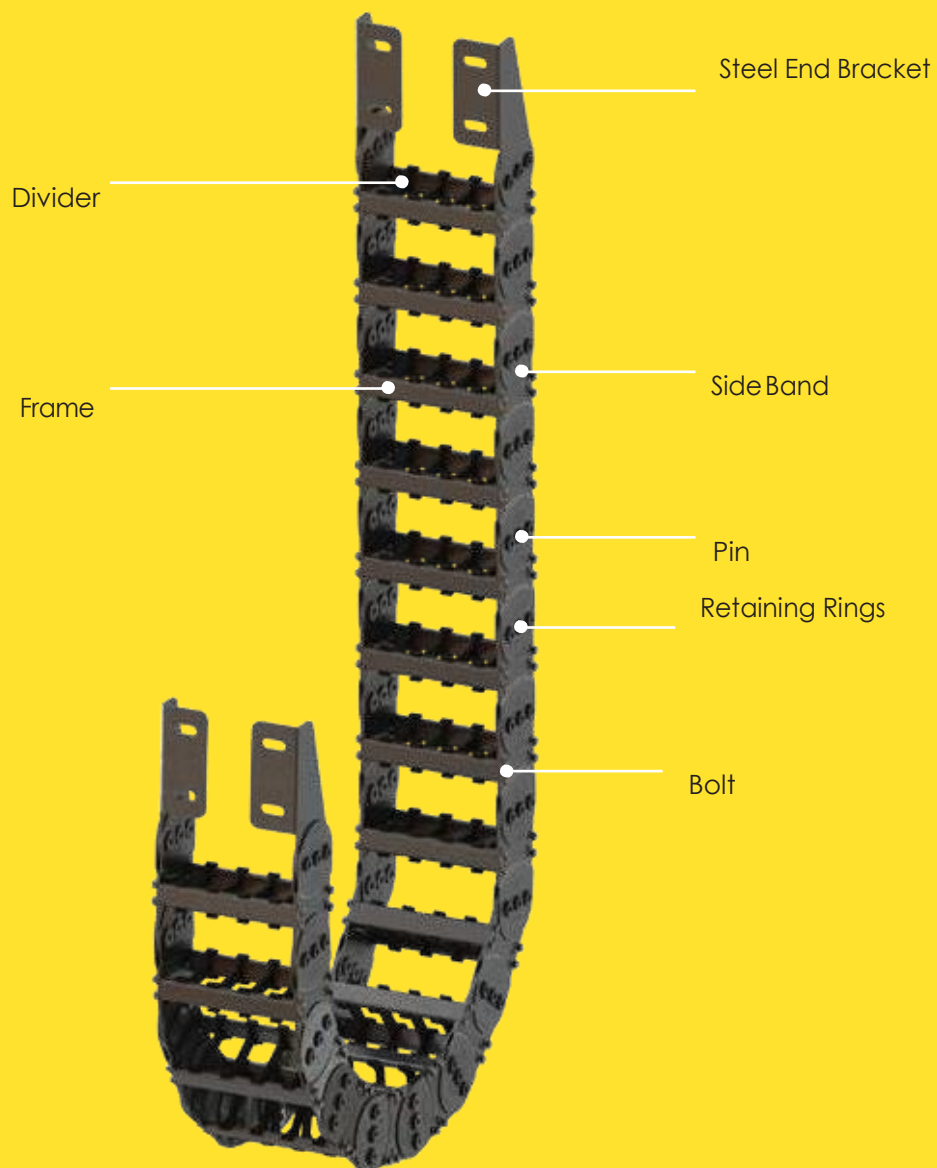

STEELSERIE

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 chain bands
Stainless steel divider
Stainless steel connection fittings
Aluminium rods
Plastic divider



MATERIAL PROPERTIES

ST52 Quality Steel / Stainless Steel

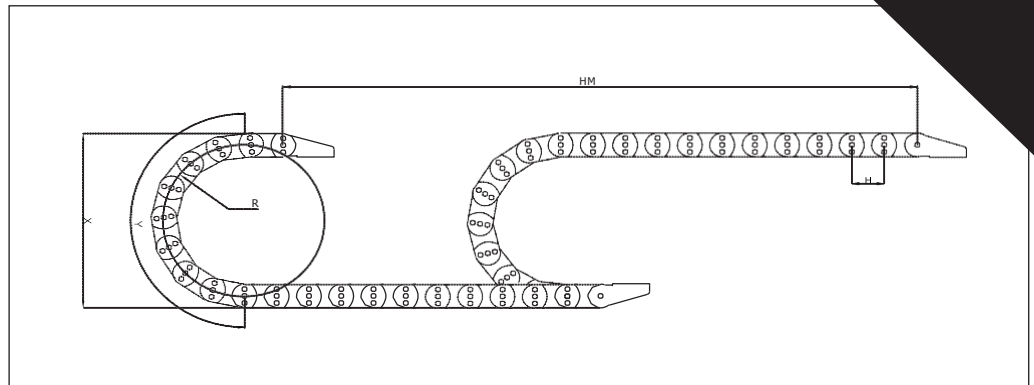


APPLICATIONS

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

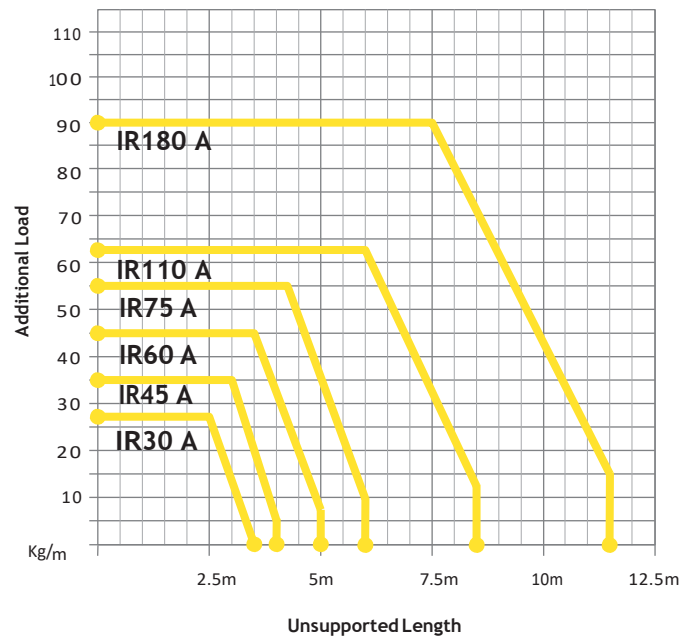
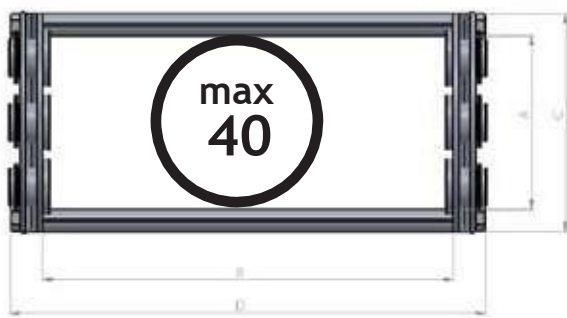


Inner Height

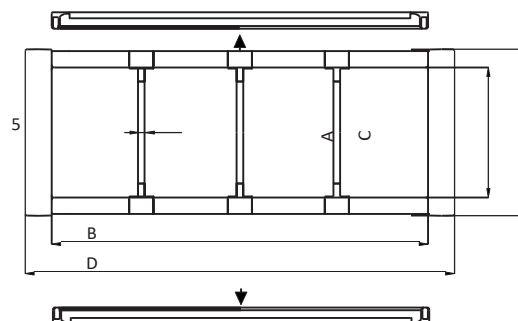
Open Design

Inner Width

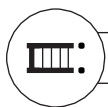
Bending Radius



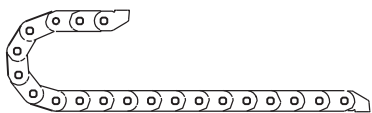
CHAIN CROSS SECTION



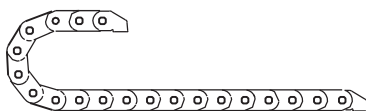
IRA SERIE



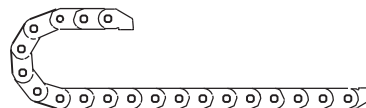
DRIVER & FIXED CONNECTIONS



End Brackets

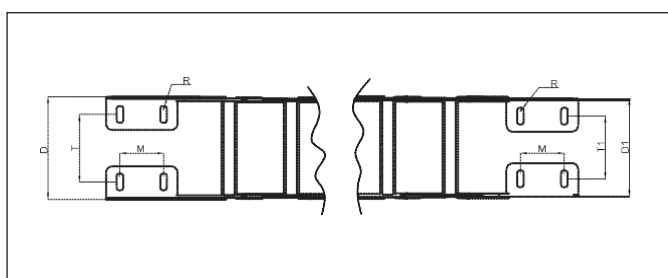


End Brackets

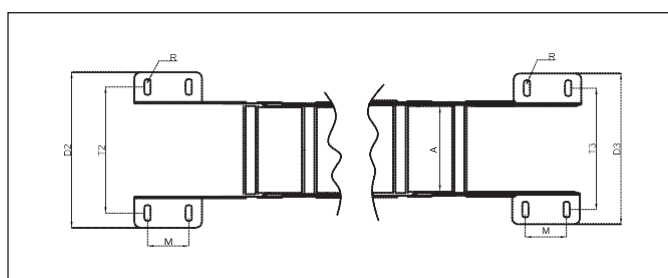


End Brackets

Steel End Brackets Inside Connection



Steel End Brackets Outside Connection

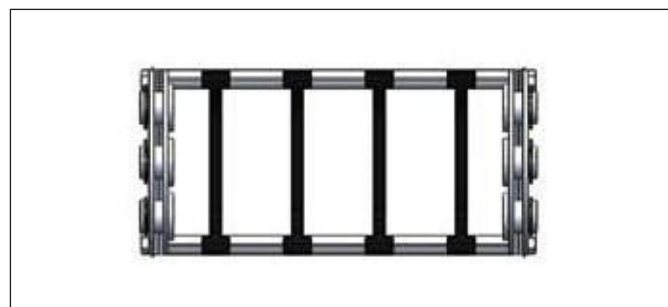
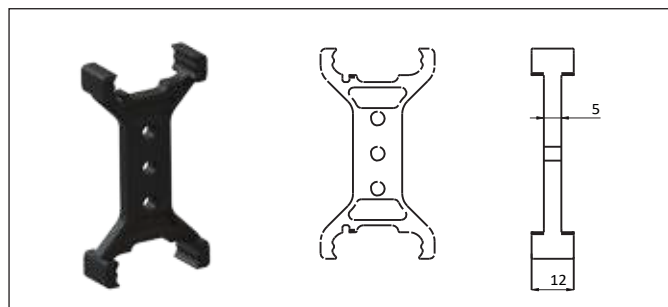


CODE	T	T1	D	D1	T2	T3	D2	D3	M	R
IR30 A ...	A-16	A-26	A+16	A+6	A+48	A+39	A+68	A+63	45	6.5
IR45 A ...	A-26	A-36	A+16	A+6	A+58	A+49	A+93	A+88	65	8.6
IR60 A ...	A-46	A-56	A+16	A+6	A+68	A+64	A+115	A+110	70	10.8
IR75 A ...	A-41	A-53	A+20	A+10	A+79	A+71	A+129	A+120	80	13
IR110 A ...	A-45	A-57	A+24	A+16	A+84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

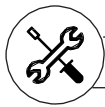
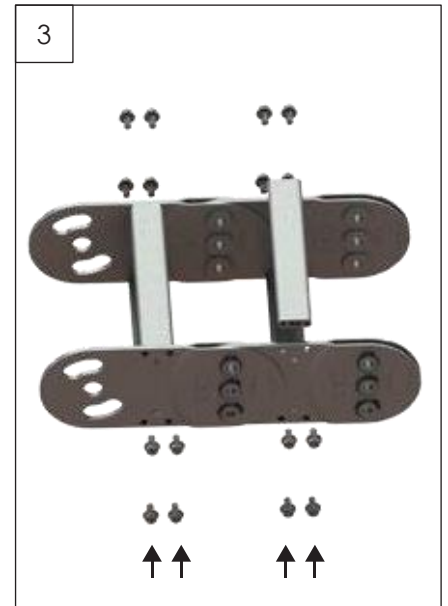
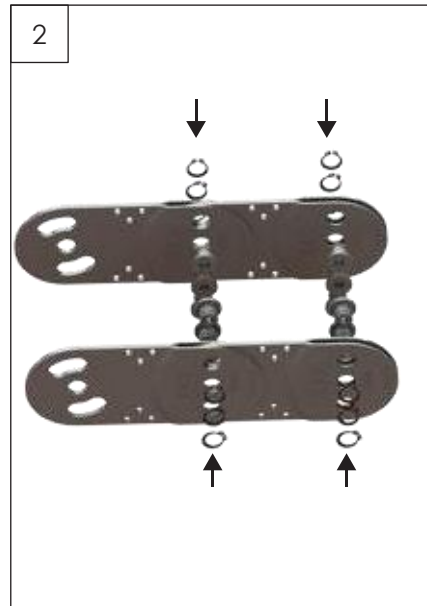
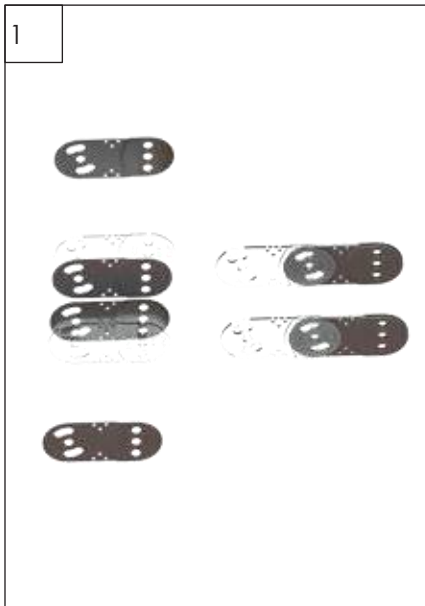


USE OF DIVIDER

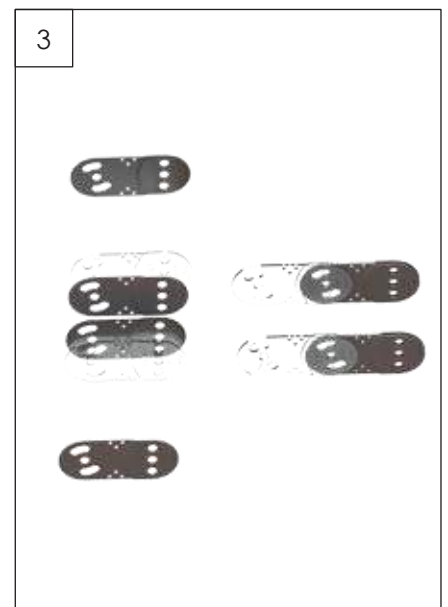
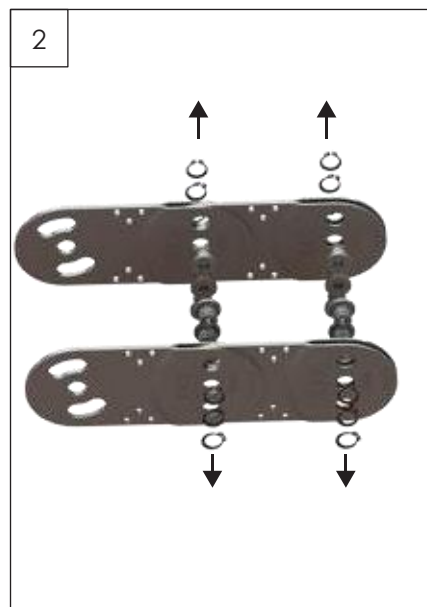
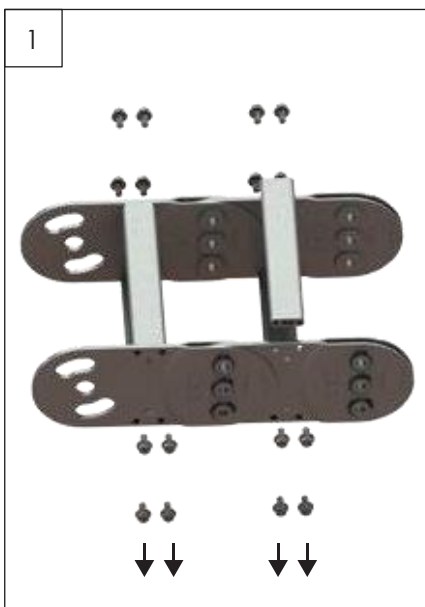
You can separate the cable and hose from each other by using vertical divider.



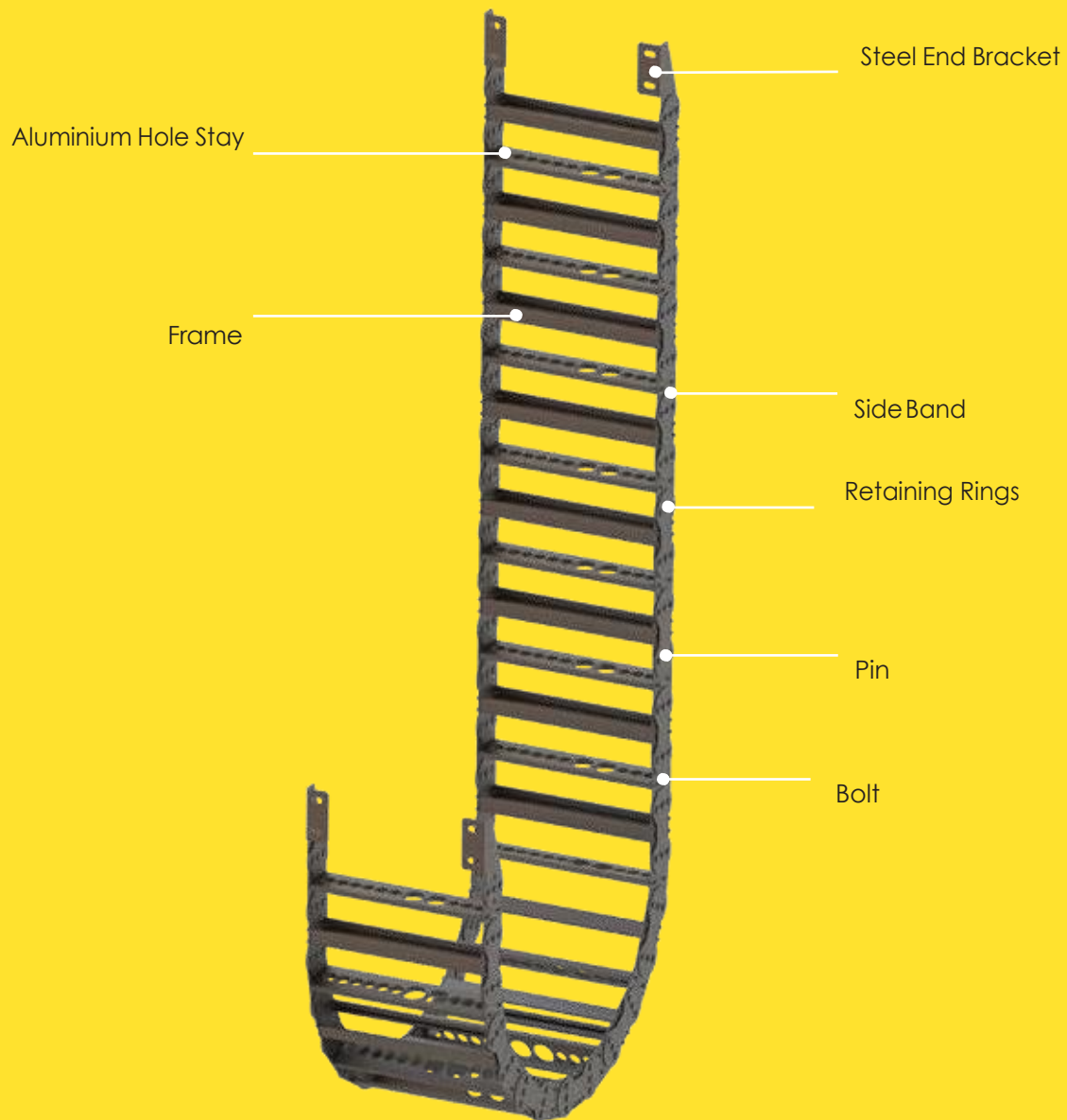
ASSEMBLY



DISASSEMBLY



IRB SERIE



i 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

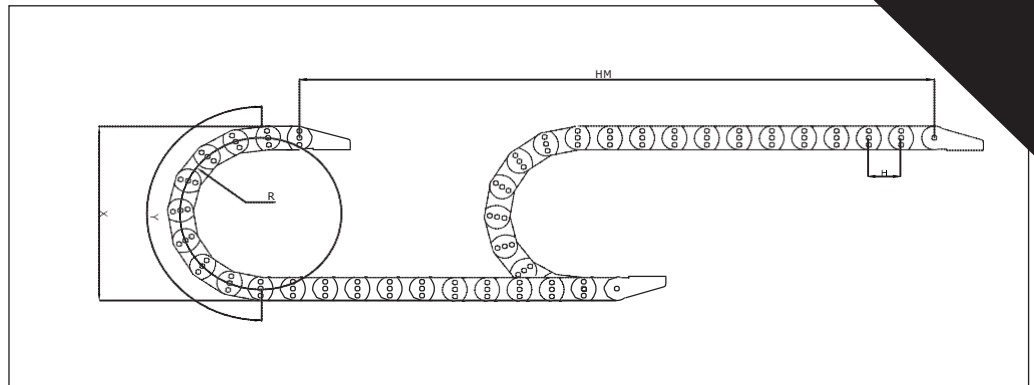


APPLICATIONS

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

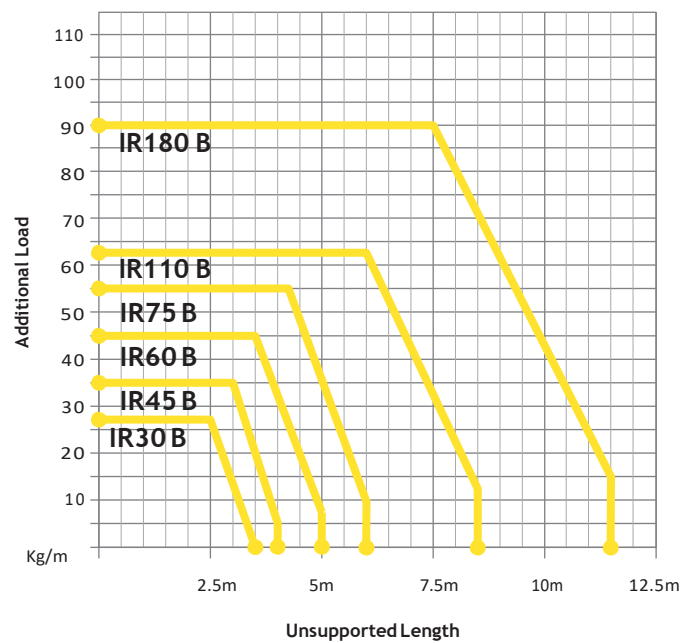
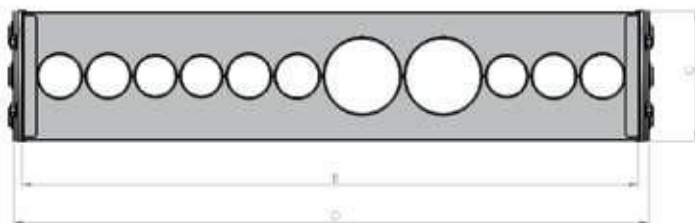
IR60 B 80 R100

Inner Height

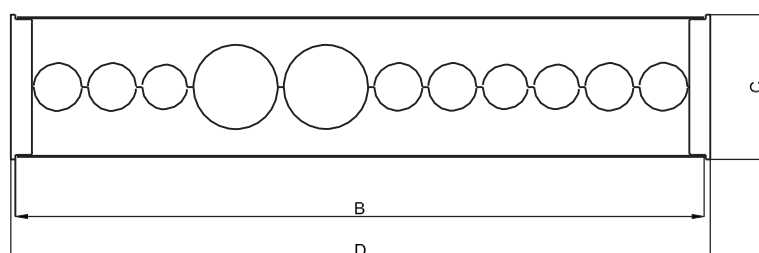
Aluminium Hole Stay

Inner Width

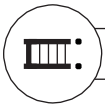
Bending Radius



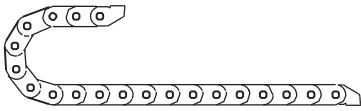
CHAIN CROSS SECTION



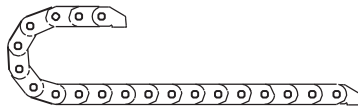
IRB SERIE



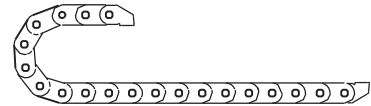
DRIVER & FIXED CONNECTIONS



End Brackets

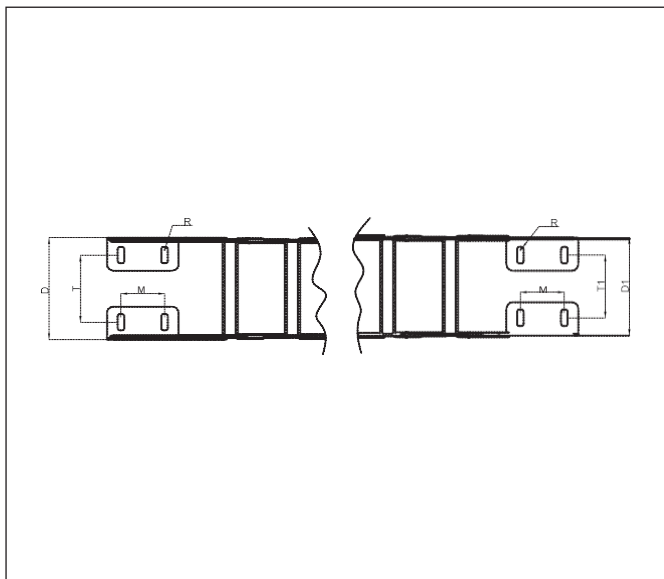


End Brackets

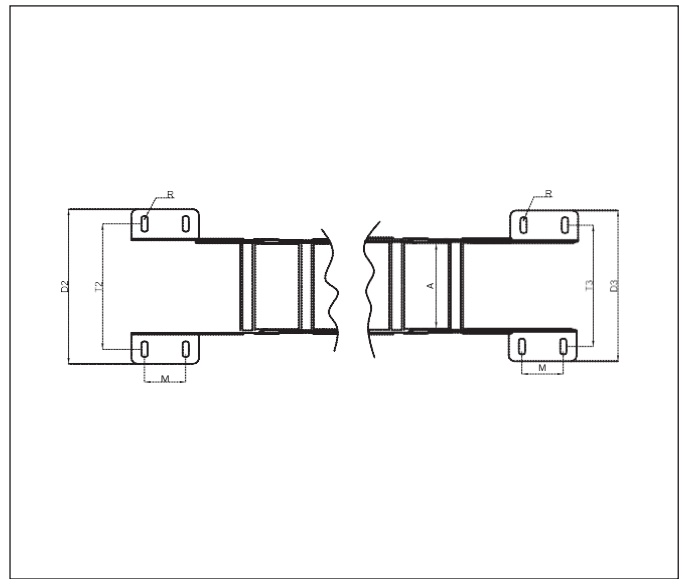


End Brackets

Steel End Brackets Inside Connection



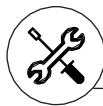
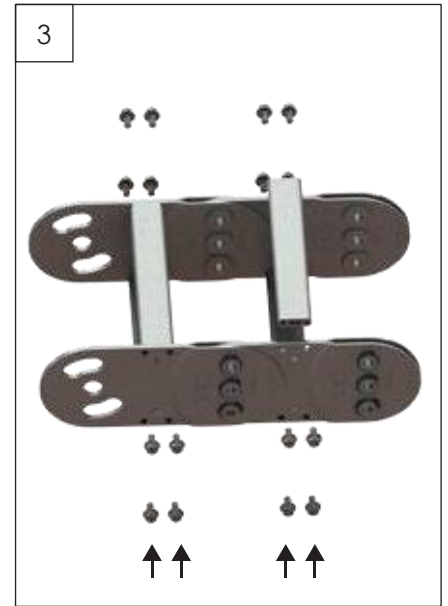
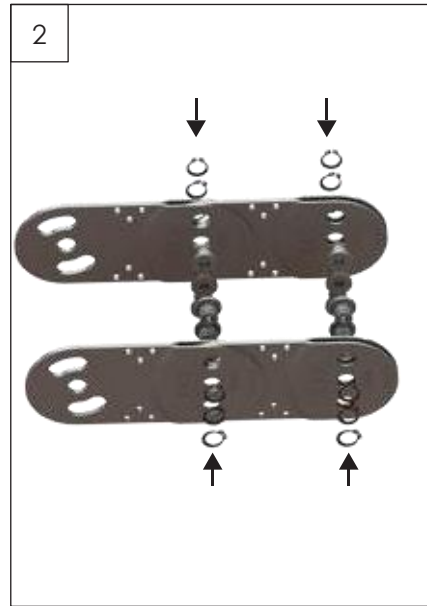
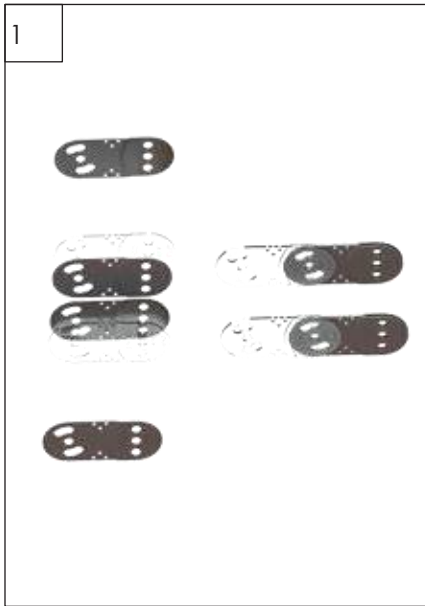
Steel End Brackets Outside Connection



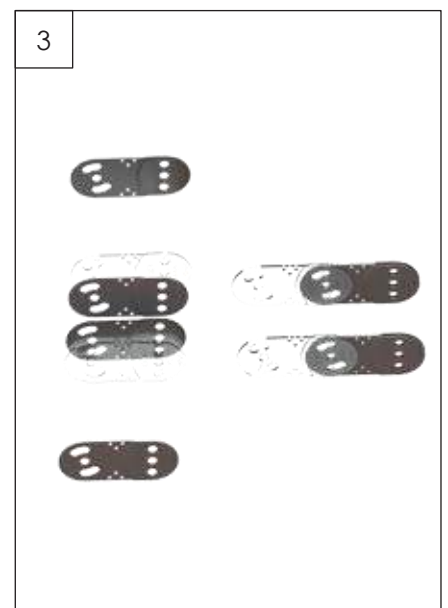
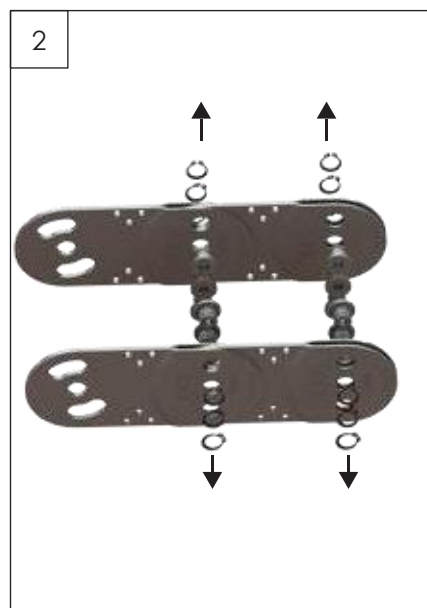
CODE	T	T1	D	D1	T2	T3	D2	D3	M	R
IR30 A ...	A-16	A-26	A+16	A+6	A+48	A+39	A+68	A+63	45	6.5
IR45 A ...	A-26	A-36	A+16	A+6	A+58	A+49	A+93	A+88	65	8.6
IR60 A ...	A-46	A-56	A+16	A+6	A+68	A+64	A+115	A+110	70	10.8
IR75 A ...	A-41	A-53	A+20	A+10	A+79	A+71	A+129	A+120	80	13
IR110 A ...	A-45	A-57	A+24	A+16	A+84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



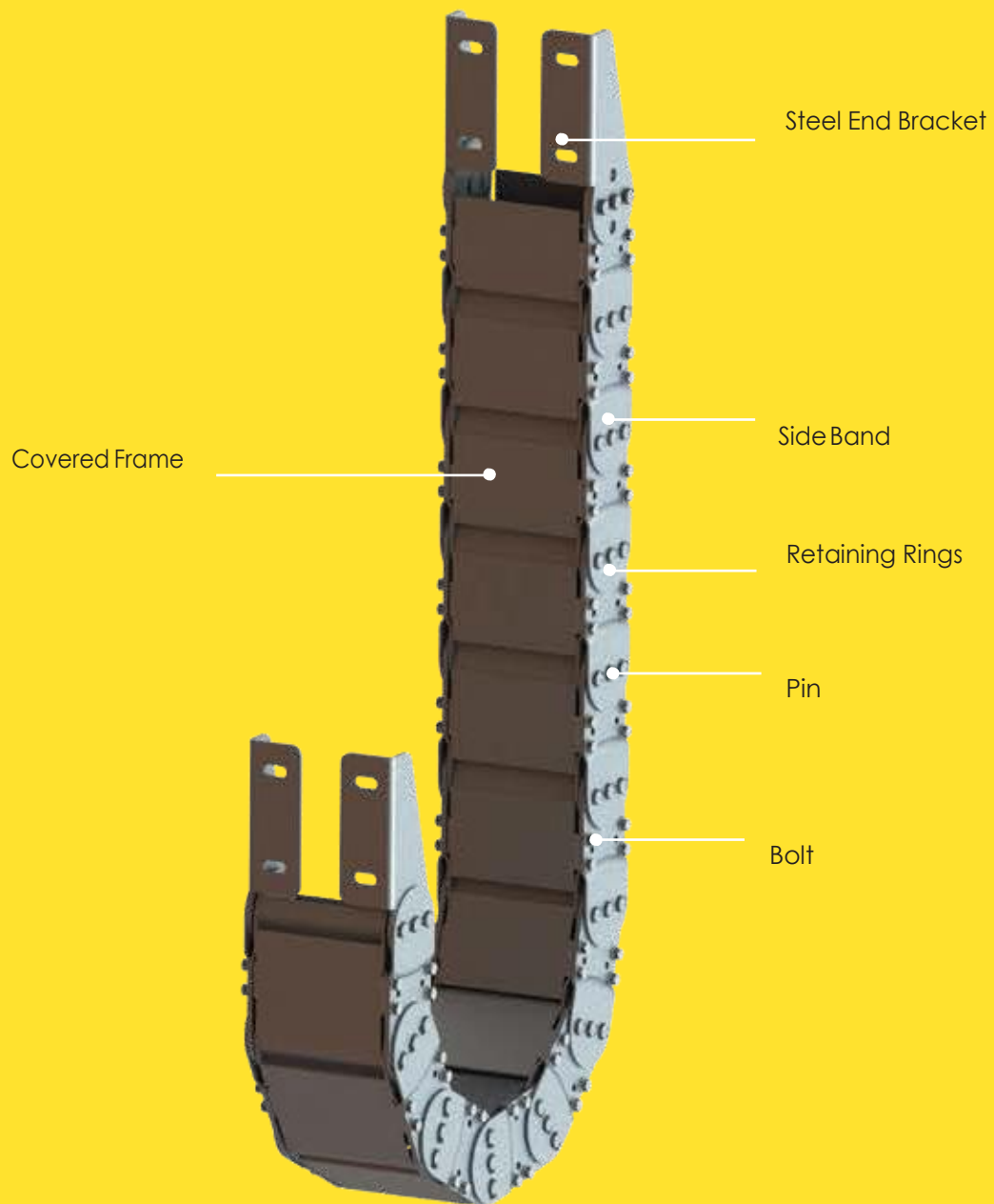
ASSEMBLY



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

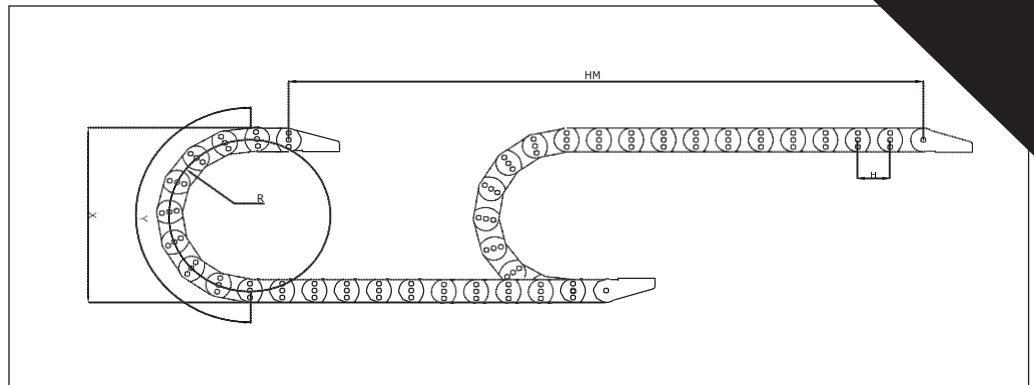


APPLICATIONS

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		
	H (mm)	200	250	300
	X (mm)	100	100	100
	Y (mm)	478	578	678
	Y (mm)	628	785	942

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

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

R	IR180 K	Bending Radius							
	H (mm)	400	500	600	700	800	900	1100	1400
	X (mm)	250	250	250	250	250	250	250	250
	Y (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

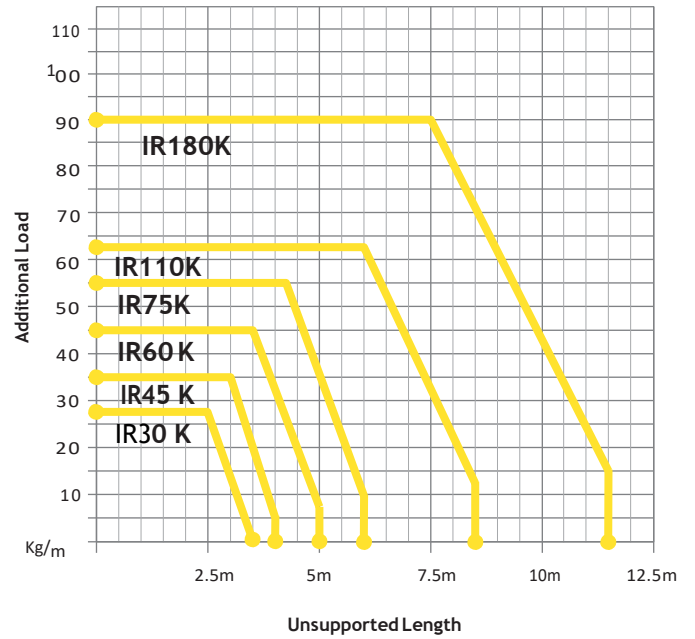
Covered Design

Inner Width

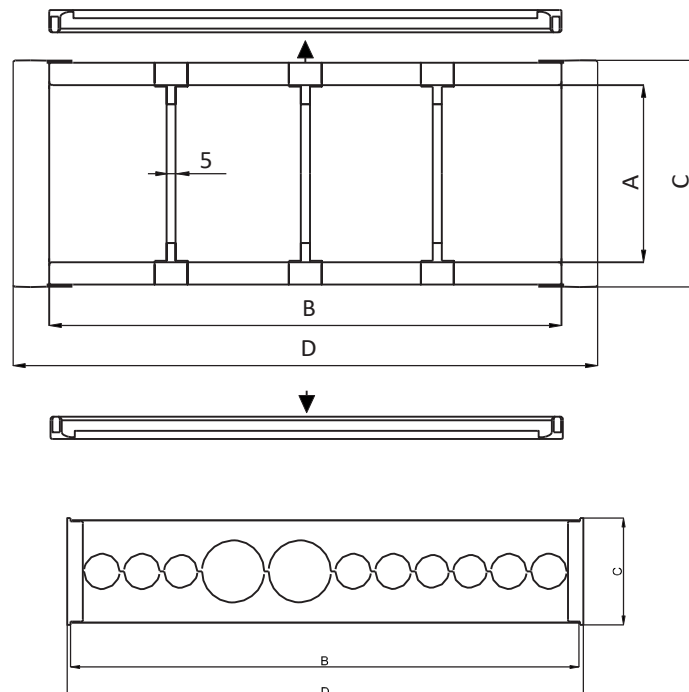
Bending Radius



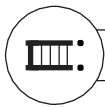
LOAD DIAGRAM



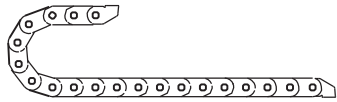
CHAIN CROSS SECTION



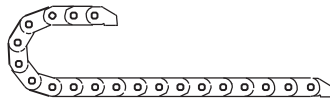
IRK SERIE



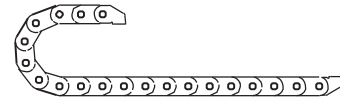
DRIVER & FIXED CONNECTIONS



End Brackets

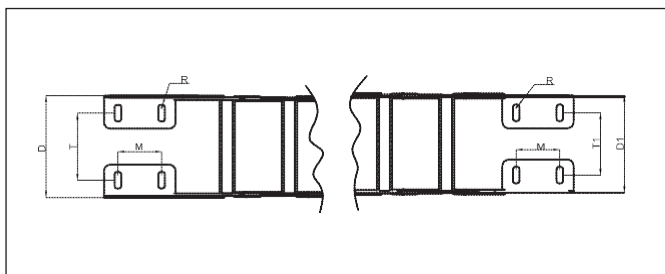


End Brackets

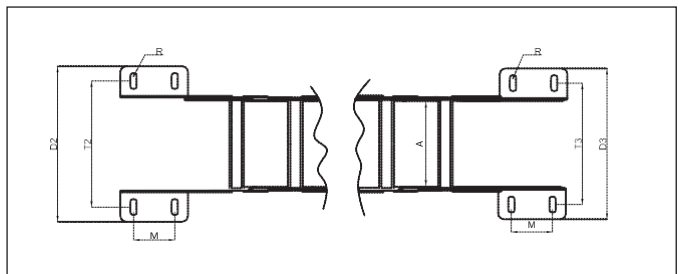


End Brackets

Steel End Brackets Inside Connection



Steel End Brackets Outside Connection

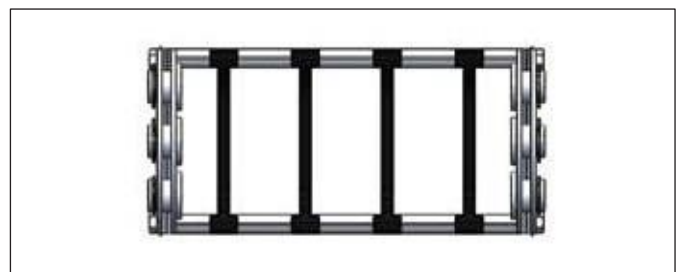
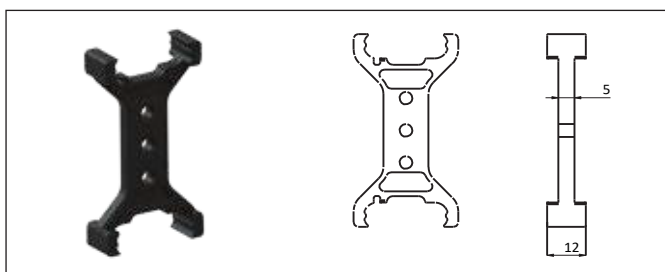


CODE	T	T1	D	D1	T2	T3	D2	D3	M	R
IR30 A ...	A-16	A-26	A+16	A+6	A+48	A+39	A+68	A+63	45	6.5
IR45 A ...	A-26	A-36	A+16	A+6	A+58	A+49	A+93	A+88	65	8.6
IR60 A ...	A-46	A-56	A+16	A+6	A+68	A+64	A+115	A+110	70	10.8
IR75 A ...	A-41	A-53	A+20	A+10	A+79	A+71	A+129	A+120	80	13
IR110 A ...	A-45	A-57	A+24	A+16	A+84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