

HSM type



HSM 0475
HSM 0650
HSM 0950
HSM 1250



● 용도 Application

자동화기계, 공작기계, 용접ROBOT, 목공기계, 반도체생산설비, 철강설비 등에 적용

Machining center, Soldering robot, Automobile industry, Wood work machine, Semi-conductor production facility, Still mill industry

● 특징 Features

- 안쪽, 바깥쪽 Cover가 개폐형, 밀폐형 두가지로 다목적으로 설치 가능합니다.
- 난연 및 분진이 적습니다.
- Lock Pin Type 으로 부분 보수가 쉽습니다.
- 칸막이가 자유롭게 조정됩니다.
- SLIDER가 부착 가능하여 장거리에 적합합니다.

- *Inside and outside covers can be used for multi-purposes like insulation or open type applications.*
- *It is resistive against burning, and introduces little dust.*
- *Lock pin type design make easy of maintenance.*
- *Divider can be easily adjustable.*
- *Attachable slider makes long distance run possible.*

● 운용환경 Operation

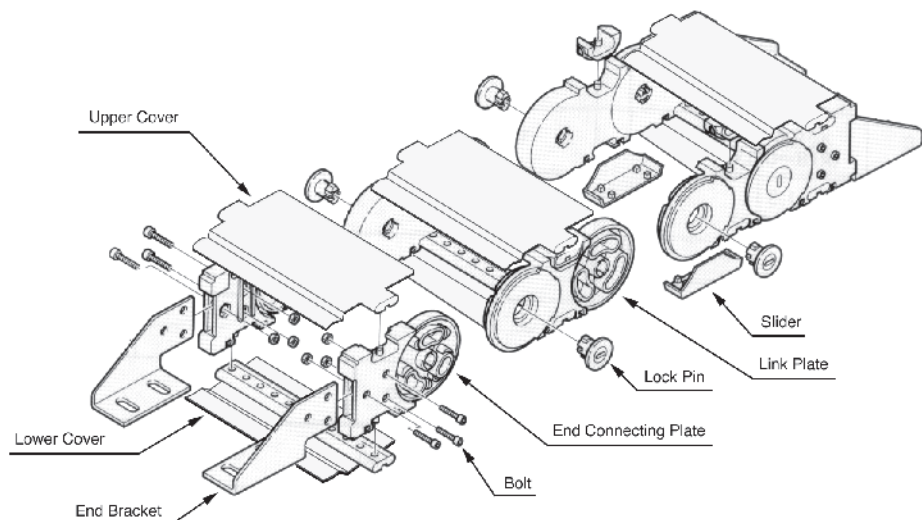
HSM Type 의 Robochain은 고강도 엔지니어링 플라스틱으로 설계 제작되어 경량이며 소음이 적고, 취급이 간편합니다. 특히 밀폐형은 이물질로부터 Cable, Hose 보호에 우수합니다.

*All parts of HSM type cableveypr are made of very high strength engineering plastic, and it is designed for reducing noise, clean and small, and light weight.
In particular, insulation design can prevent cable and hose from alien materials.*

● 주요제원 Properties

- 운동속도 : 300m/min이하 (Freespan내)
150m/min (Sliding in Channel)
- 사용온도 : -40 ~ 100°C
- 난연등급 : VDE0304 PART3 (05,70) Class II C, 94-HB.
- 기본색 : Black
- 재질 : 엔지니어링 플라스틱
- Moving Velocity : below 300m/min (within freespan)
150m/min (sliding in channel)
- Operating Temperature : -40 ~ 100°C
- Basic Color : Black
- Material : Engineering Plastic

● 구조와명칭 Structure

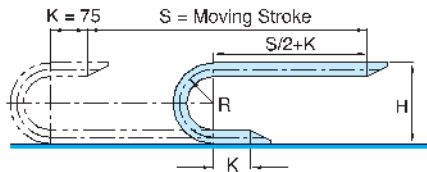
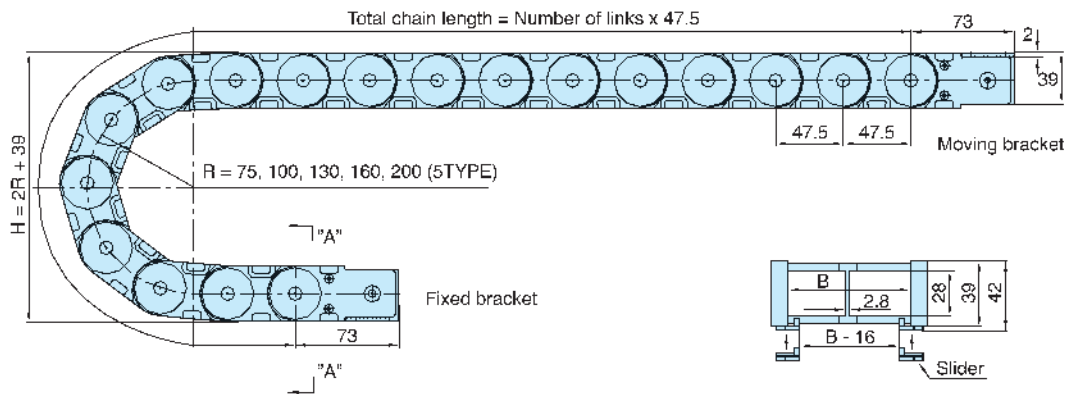


KABELSCHLEPP HSM 0475

Order Example (주문예)

HSM0475 75R B80 1140L A 3SET
Type Radius Width Length Bracket Q'ty

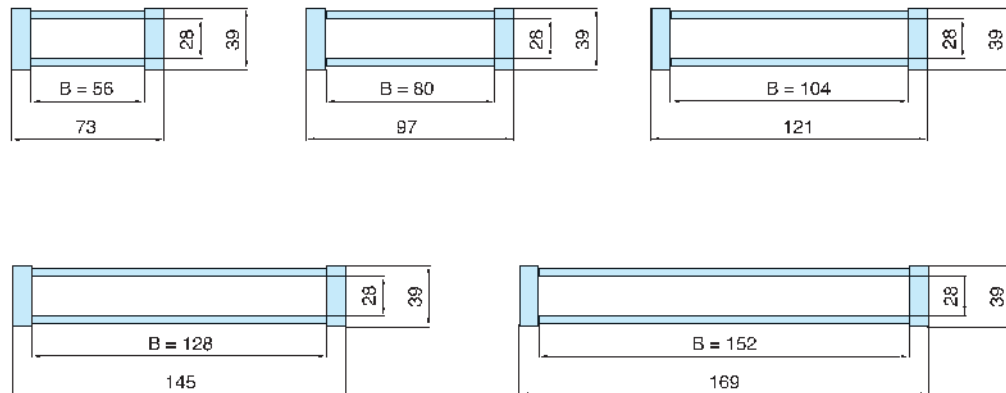
Chain



• Length $L = \frac{S}{2} + \pi R + 150$

• Radius	R	75	100	130	160	200
• Height	H	189	239	299	359	439

Cross Section A-A



Brackets



Moving, Fixed Bracket (A)

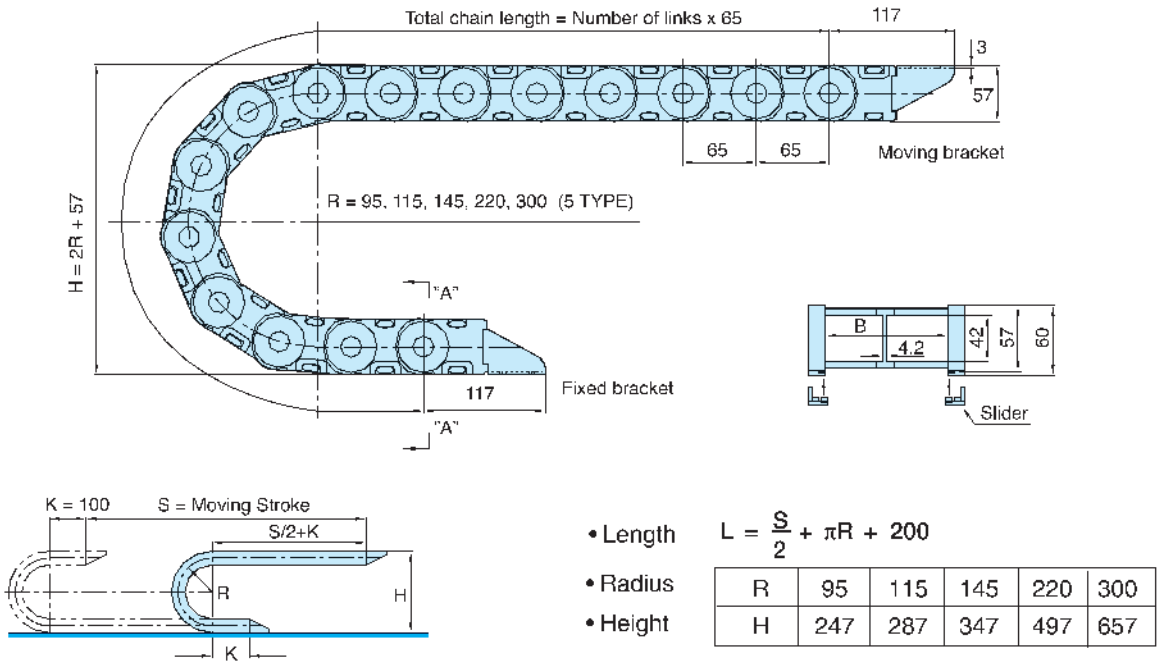
Moving, Fixed Bracket (C)

KABELSCHLEPP HSM 0650

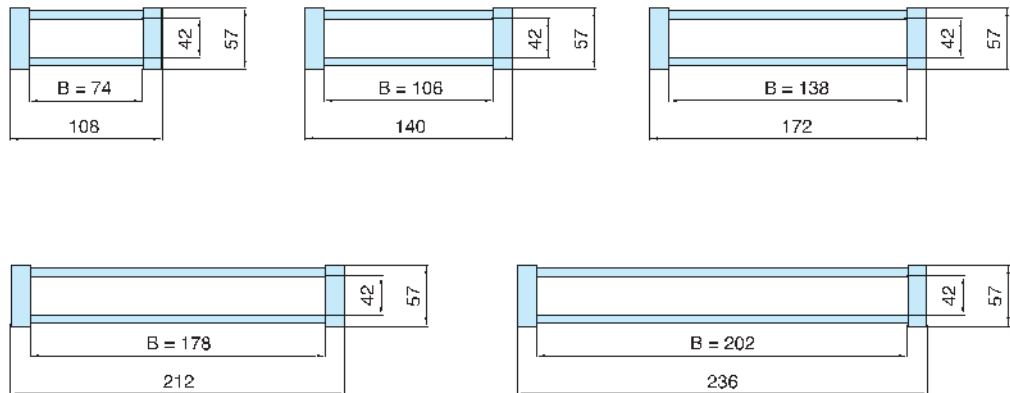
Order Example (주문예)

HSM0650 115R B106 1950L C 7SET
Type Radius Width Length Bracket Q'ty

Chain



Cross Section A-A



Brackets

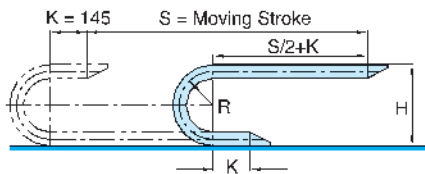
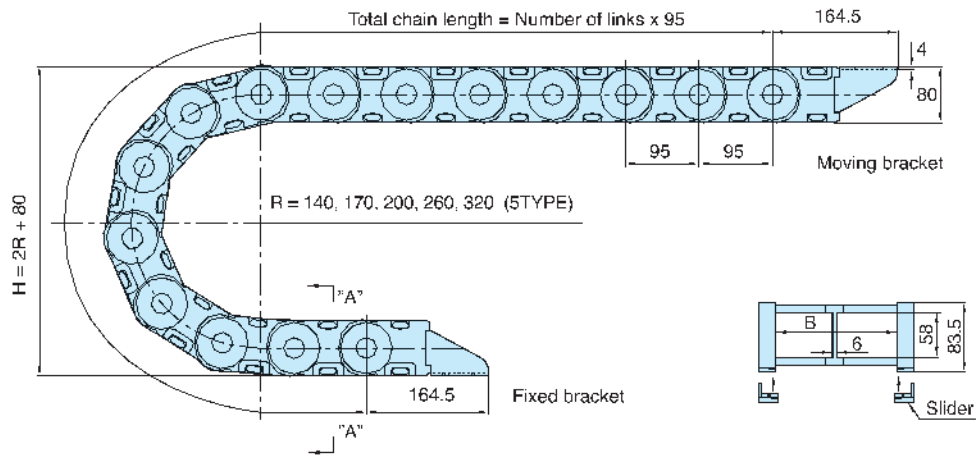


KABELSCHLEPP HSM 0950

Order Example (주문예)

HSM0950 200R B205 2850L C 6SET
Type Radius Width Length Bracket Q'ty

Chain



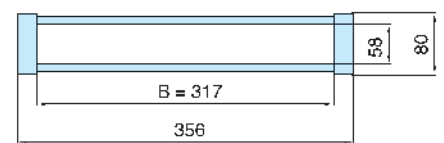
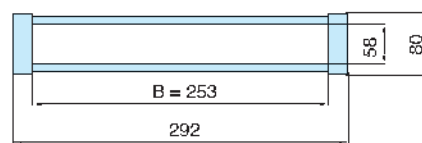
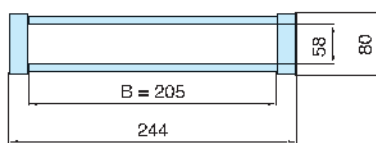
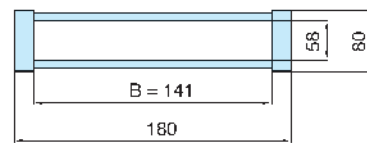
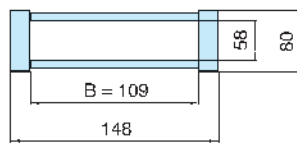
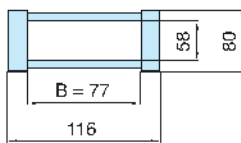
• Length $L = \frac{S}{2} + \pi R + 290$

• Radius

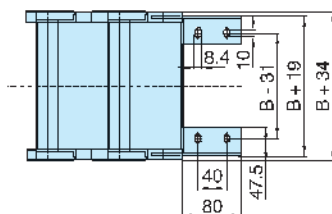
• Height

R	140	170	200	260	320
H	360	420	480	600	720

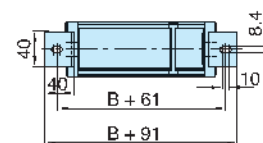
Cross Section A-A



Brackets



Moving, Fixed Bracket (A)



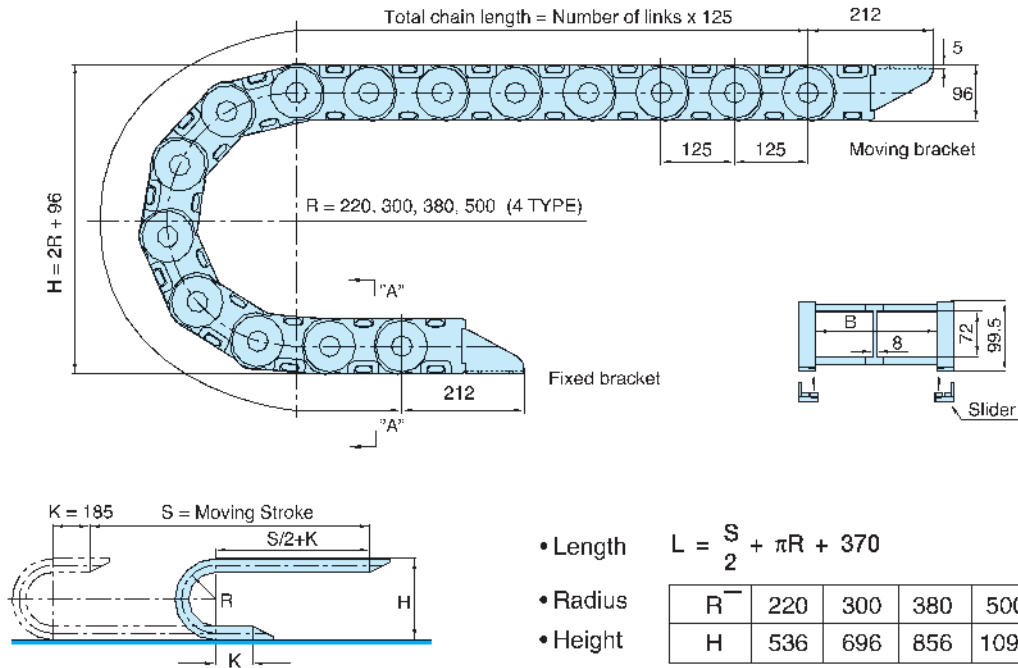
Moving, Fixed Bracket (C)

KABELSCHLEPP HSM 1250

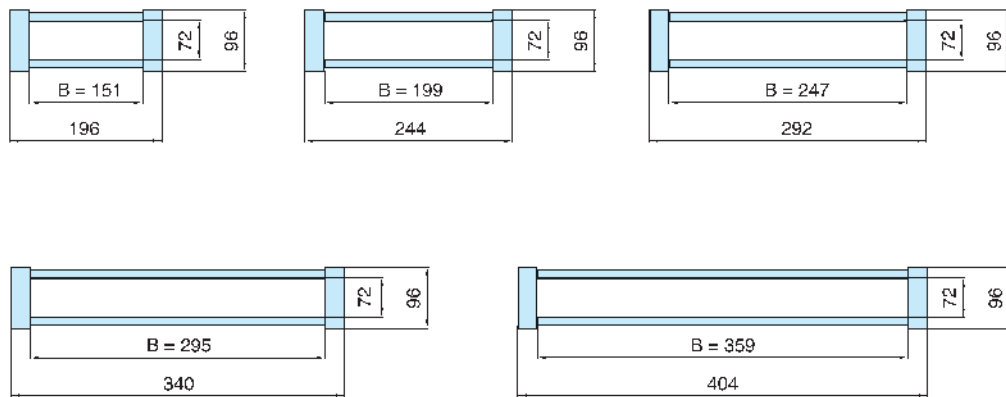
Order Example (주문예)

HSM1250 300R B359 3750L A 4SET
Type Radius Width Length Bracket Q'ty

Chain



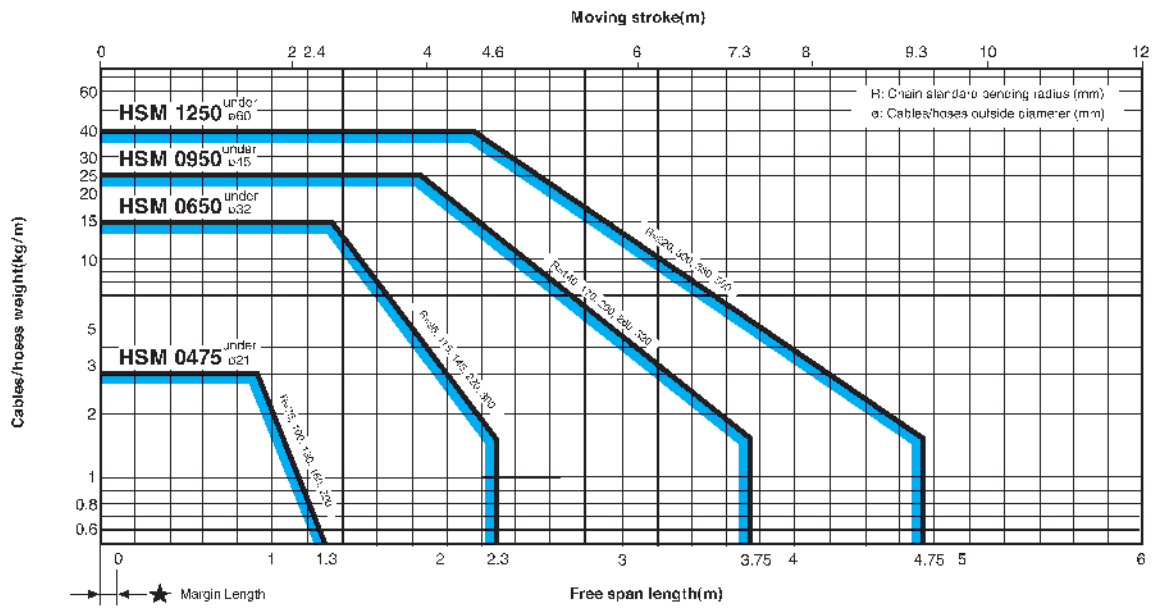
Cross Section A-A



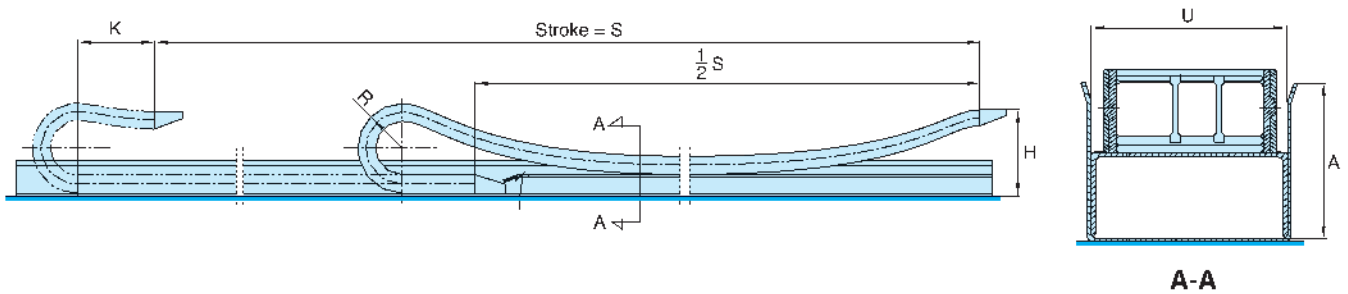
Brackets



● 능력선도 (HSM) Capability Graph

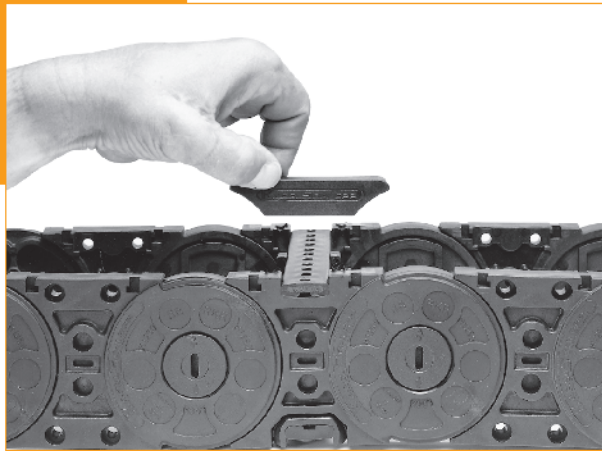


● 외형 치수 Dimension



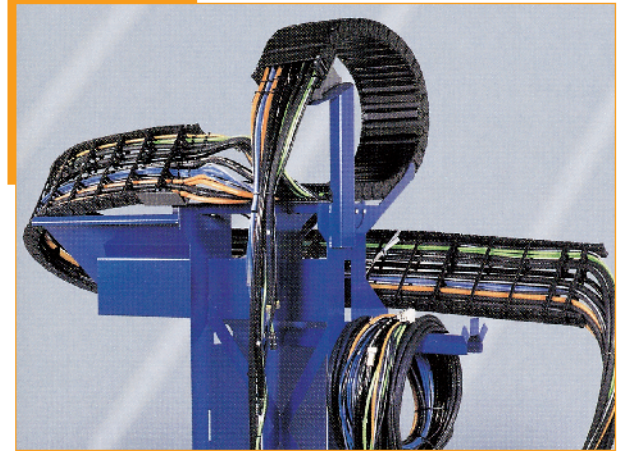
Type	Stroke	Max. Supporter Weight	H	U (±1)	A	K
HSM 0475	20m	2 kg/m	136~320	B + 23	60	500~800
HSM 0650	40m	4 kg/m	152~480	B + 40	80	500~800
HSM 0950	50m	6 kg/m	224~512	B + 45	120	600~900
HSM 1250	50m	8 kg/m	352~800	B + 50	150	700~1000

● 선택사양(OPTION) Applications



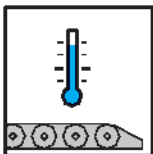
Sliders

Replaceable Sliders are available with types MT to give optimum friction and wear in long travel sliding systems.
Travel speed > 2.5 m/s are possible.



Complete Harnessing System

● 사용환경 Environmental and Application Variables



Temperature

Permissible temperature range:
-40°C to + 100°C



Flammability

Our standard materials correspond and are in accordance with test procedures VDE 0304 Part 3 (05.70) Class II c and also 94-HB



Chemicals

Plastic robochain are extremely resistant to many common chemicals.
If in any doubt, please ask.



Weathering

Our standard materials are suitable for use outside and are UV resistant.



Cold Storage Systems

A special material is recommended for robochain operating continuously at very low temperatures.



Resistance to Radiation

No material damage occurs up to a radiation dose of **1 megarad**.
For doses of **100 megarad** the material becomes increasingly brittle and mechanical properties are reduced by 30%.



Explosion Resistance

Robochain required for use in explosive environments are available - identified by letters "EX"



Vacuum

Our plastic robochain are suitable for use in Vacuums.
A 1% reduction in mass is possible