銀科工業的承諾

產品售后服務

ISO 9001-2008 Reg. No. 059-A
Certificate No.:AJA02/5717

所有經銀科工業售出的產品均享有一年產品質量保證，以及14天內退換保證（以出貨日期爲準）
如在正常使用和正確安裝的情況下出現損壞，我們定會爲您提供免費換貨

香港總公司：
銀科工業(香港)有限公司
香港荃灣沙咀道66A號豪力中心2108室
電話: (852) 2499 9168
傳真: (852) 2417 9183　8343 6887
電郵: sales@silvertech.com.hk
網址: www.silvertech.com.hk

Hong Kong Headquarters: (For Import & Export Sales)
Silvertech Industrial (H.K.) Ltd.
Rm.2108, Ho Lik Centre, 66A Sha Tsui Road, Tsuen Wan, Hong Kong.
Tel : (852) 2499 9168
Fax: (852) 2417 9183　8343 6887
Email: sales@silvertech.com.hk
Web Site: www.silvertech.com.hk

東莞分公司：
東莞動力銀科工業配件有限公司
東莞市塘厦鎮橋瓏大道23號銀科大樓
電話: (86-769) 8798 1699　8798 2699
8625 2718 (10綫)
傳真: (86-769) 8798 1313　8625 2719
電郵: dgoffice@silvertech.com.hk

China Guangdong Branch Office: (For Domestic Sales)
Silvertech Industrial (Dong Guan) Ltd.
Silvertech Building, 23 Qiao Long Road, Tangxia, Dongguan, Guangdong, China.
Tel: (86-769) 8798 1699　8798 2699
8625 2718 (10Lines)
Fax: (86-769) 8798 1313　8625 2719
Email: dgoffice@silvertech.com.hk

青島辦事處：
青島市市南區寧夏路268號商務樓B413室
電話: (86-532) 8575 5305
傳真: (86-532) 8571 5015
電郵: qdoffice@silvertech.com.hk

China Qingdao Sales Office: (For Domestic Sales)
Rm.B413, No, 268,Ningxia Road,Qingdao ,Shandong,China
Tel : (86-532) 8575 5305
Fax : (86-532) 8571 5015
Email: qdoffice@silvertech.com.hk

深圳工廠：
銀鎂德傳動件制造(深圳)有限公司

China Shen Zhen Factory:
Madler-Silvertech Power Transmission Components (Shen Zhen) Ltd.

成都工廠：
成都銀科同步帶輪制造有限公司

China Cheng Du Factory:
Cheng Du Silvertech Timing Pulleys Manufacturing Ltd.

常州工廠：
常州銀科傳動件有限公司

China Chang Zhou Factory:
Chang Zhou Silvertech Power Transmission Products Ltd.

服務投訴電話：(852) 2499 9168、(86) 138 2697 1737

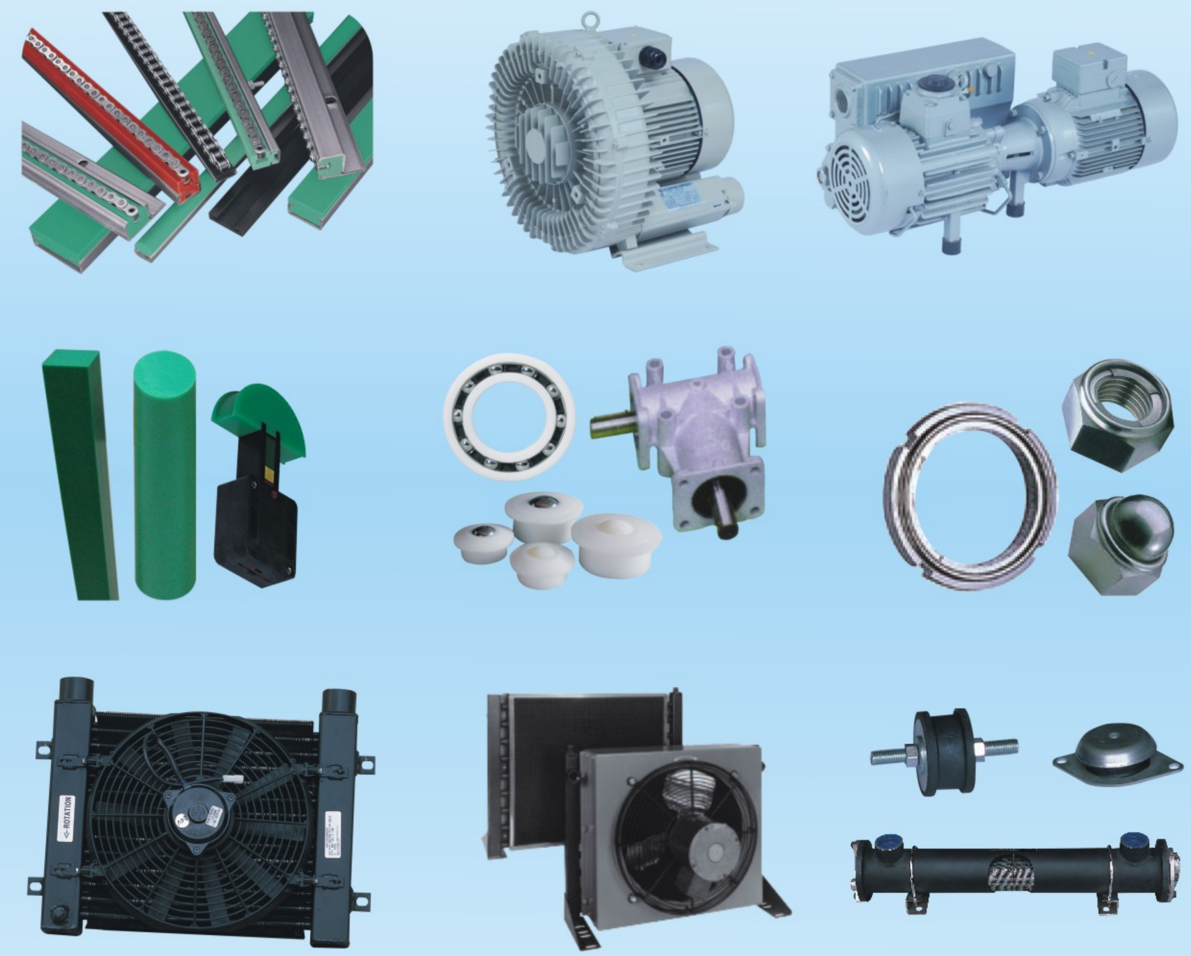
SILVERTECH 銀科工業

www.silvertech.com.hk

大中華總代理

STI®

SILVERTECH 銀科工業



Murtfeldt　Fuji　STI　HO HSING 賀欣　Thermal Transfer Products
simalube　simatool　simatherm　POGGI　SMG

大中華總代理 Importer & Sole Distributor
www.silvertech.com.hk

選銀科工業 • 做最好機械
Your 1st choice for Industrial Products

ISO 9001-2008 Reg. No. 059-A
Certificate No.:AJA02/5717

公司簡介

銀科工業(香港)有限公司－－成立于1992年，總部位于香港，分公司和工廠設于中國內地。公司的主要業務及經營范圍:生產 STI 品牌屬下的高質量工業傳動零部件，出口外銷至歐美及其它世界各國，同時也內銷至大中華地區。此外，我們還進口德國、瑞士、意大利、美國、日本和台灣等國家和地區的高科技工業産品，並且是這些世界級著名品牌的大中華區域總代理。

累積近乎二十年服務海外和大中華客戶的經驗，我們不斷的總結、不斷發展、不斷進步，因此而奠下了堅實的基礎，在海內外業界均享有優良的聲譽和知名度。銀科工業無論由:原材料采購－－生産管理－－質量控製－－倉存量控製－－銷售方式－－技術支援－－包裝付運－－跟蹤到貨－－售后服務等等，每一環節都務求做到盡善盡美，因爲我們切身體會只有得到客戶的信賴才是公司發展的最大希望!

在系統化的在職培訓再加上員工對公司的歸屬感，大家分別工作于香港、東莞、深圳、青島、成都和常州，今天的銀科工業已擁有一支非常專業且盡責的團隊，爲國內外工業界提供優質産品，爲貼近客戶而盡我們所能！

“選銀科工業 做最好機械” 這不僅是我們的承諾，更是對客戶的責任。

About us

Silvertech Industrial (HK) Ltd was established in 1992, with its headquarter in Hong Kong, and branches as well as factories in mainland China. Our business focuses on the production of high quality power transmission parts under the brand STI.

Our products are very popular in the global markets, such as Europe, North American, and Greater China Area. In addition, we are the exclusive dealer in the Greater China Area for a few world–renowned high tech industrial products from Germany, Switzerland, Italy, USA, Japan and Taiwan.

We are growing stronger with almost twenty years experience of serving clients in overseas and Greater China Area. Silvertech Industrial has well developed world reputation and brand loyalty. We arm to provide perfection in our value net, such as procurement of material, production management, quality control, stock and storage, marketing, technical support, logistics, and after sale service. It is our ultimate goal to maintain the trust from our clients and continue with sustainable growth.

Our company engages in systemic on the job training and invests in corporate human resource. We have developed an extremely competent and dedicated team working in Hong Kong, Dongguan, Shenzhen, Qingdao, Chengdu, and Changzhou. We are known as the company providing the best products and service for our customers.

Our promise: **Silvertech – Your 1st choice for Industrial Products**
We take this promise as our responsibility.

公司秉承“准時、准確、高質量爲客户服務”即二准一高的質量方針，將不斷總結和提高對客户服務的質量。





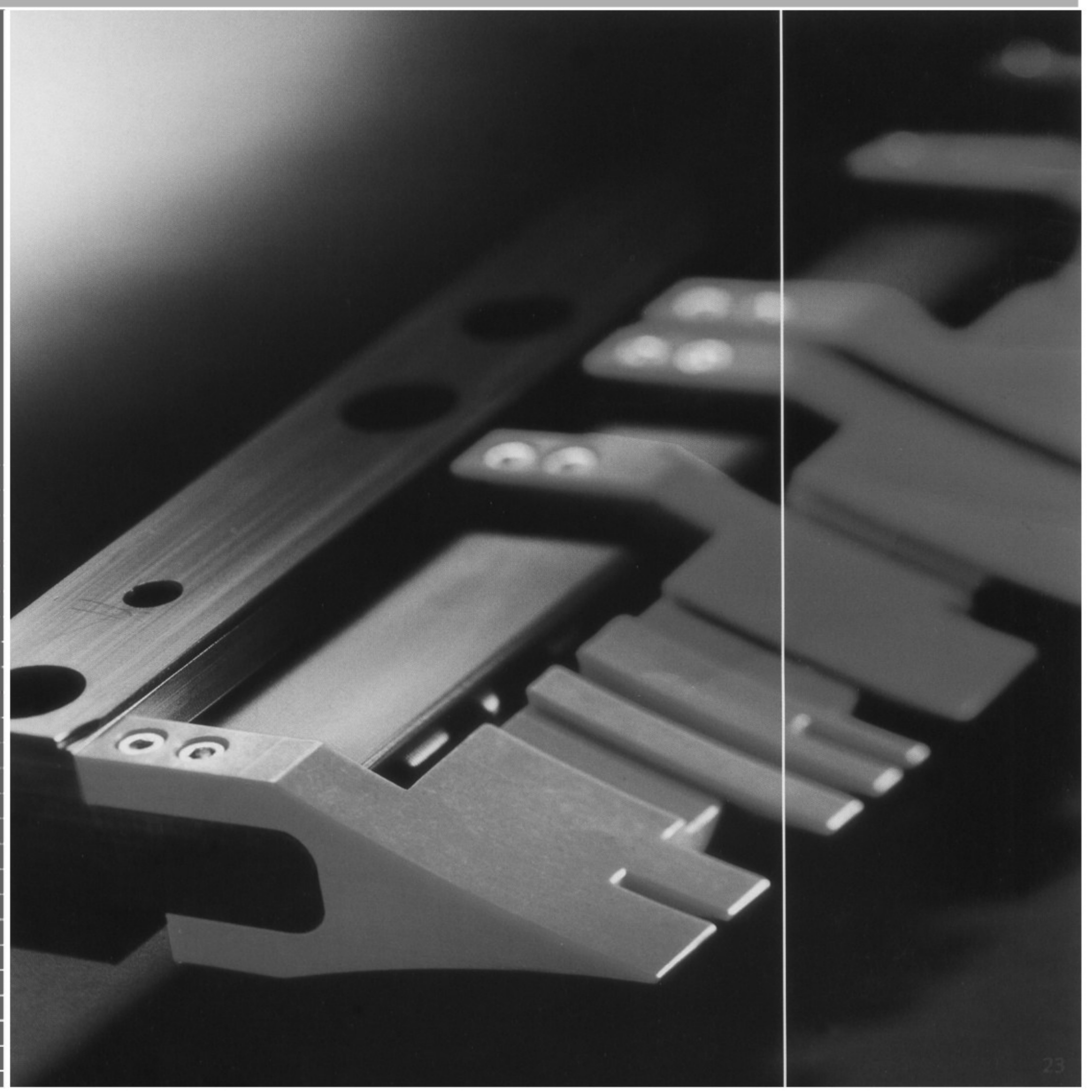
目錄 Directory

大中華總代理

Murtfeldt 德國“梅富”牌高耐磨及耐高温材料

Materials

MATERIALS



PICTOGRAM LEGEND 選材導覽

The products described on the following pages have been developed to meet diverse requirements and work conditions.
下列材料的特性是跟據已實際運用在不同的工況和環境下以紀錄所得。

The main features of the materials and their characteristic attributes are depicted using the pictograms listed below.
由于不同的材料均擁有各自偏向性的特長，因此在選用時請以材料的重點偏向特性爲首選。

High wear resistance 高耐磨
Long lifetime due to low wear
在低磨擦的工況下，使用壽命長

Extremely high resistance to chemicals 極高耐腐蝕
The extremely high resistance of the material to chemicals means that there is no need for additional surface protection. As a result, there is less corrosion and maintenance intervals are longer.
對于化學物品有非常高的阻抗，也就是說不需作任何表面保護處理，使用結果證明受到極低的侵蝕及維修周期特長。

No moisture absorption 防潮
Extremely suited for use in wet atmospheres since all key values remain constant.
非常適合潮濕的工作環境，自使用後絶大部份的本材料的關鍵參數均無改變。

Very good impact/shock cushioning 高吸振/緩衝
No to low tendency to fracture if impacts/shocks occur. Significant reduction in running and impact noises. Additional noise protection is therefore often not required.
在衝擊和振動的工況下，均無出現變形和折斷，能非常有效的減振和壓抑噪音。

Good anti-adhesion properties 高抗粘合
Thanks to the paraffin-like surface quality, the freezing on/adhesion of conveyed goods is ruled out.
類似石蠟的表面，可使用在冷凍的環境下輸送物品也不會粘附。

FDA approved“美國食品及藥物管理局”通過的食品級
All types are free of CFCs, cadmium, and silicone and meet the guidelines of the Food and Drug Administration (FDA). These materials are thus extremely suitable for use in the food and beverage sectors.
可抵抗氟氯化碳，鎘，硅甚至毒品，所有參數均通過”美國食品及藥物管理局”的標準，因此該材料絶對適合使用于食品飲料的工況。

Electrically isolating 電絶緣
These materials have electrical isolation properties.
附有電絶緣的元素

Antistatic 抗静電
Special additives discharge electrostatic charges. In addition, the material is highly resistant to UV rays.
特别添加了放電的元素，具有高UV紫外綫阻抗。

Low noise level 低噪音
The damping properties of the material reduce running noises significantly in comparison with metals.
和金屬對比的工况下，具有特强的降低噪音功能。

High pressure resistance 高抗壓力
Fantastic pressure resistance values enable the material to be used at low temperatures and provide a cost-effective design alternative to cold-work steel.
奇特的高壓力阻抗值，能在低温的工况下比美金屬制件。

Environmentally friendly 環保
Highly developed, controlled conditioning processes are used to produce technically challenging materials.
高研發，高品質控制及高技術制作的材料。

Hydrolysis resistance 抗水解
Extremely suitable for use in hot water or saturated steam.
非常適用于熱水或飽和蒸氣的工况下。

Good slide properties 低摩擦
Suitable for dynamic use. Reduces required drive power.
適用于動力部份可降低能量損耗

Antimicrobial 抗微生物
Prevents growth of bacteria and microbes with an efficacy of around 99.96 to 99.99%.
能避免細菌和微生物的滋長，成功率達99.96 至 99.99%

UV resistance 抗UV紫外綫
Especially suitable for use outdoors or in other environments subject to UV radiation.
特别適用于户外或其它直接受UV紫外綫照射的工况。

Suitable for relatively high continuous temperatures 適于長時間在高温下
Can be used at relatively high continuous temperatures.
可以長時間在高温下使用。

Self-lubricating 自潤滑
Can be used without additional lubrication. Has a long, maintenance-free lifetime at low drive power thanks to optimum friction coefficients.
可使用在没有外在潤滑的環境下也無需維護，并具有特長使用壽命，因爲具有特低的磨擦系數，因此可以大幅降低能量損耗。

ATEX
Can be used in explosion hazard areas 適合用于爆炸危險場合

MATERIALS – TABLE OF CONTENTS 材料目録

MATERIALS

A basis for reliability
Our range of products includes specially designed materials that are carefully tuned for use in an extremely wide range of applications.

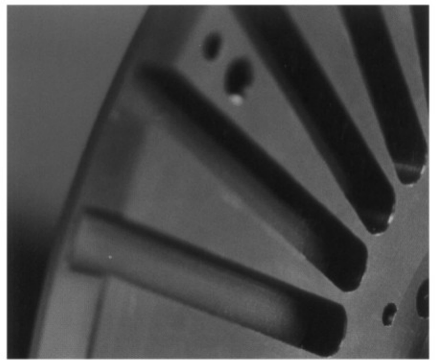
The best material for every application
Our range constitutes the basis for optimized machining and production processes.

The most important factors of our materials' success are as follows:

- **Excellent slide properties**
- **High wear resistance**
- **Great mechanical and chemical resistance**
- **Long lifetime**

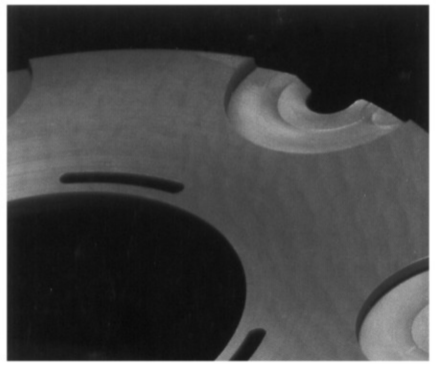
Our service

- **Economical, quick, and precise production of finished parts in accordance with individual requirements – even in small lots**
- **Pre-cut custom parts from sheets and rods**
- **Large warehouse stock of semi-finished parts with different dimensions**
- **Short delivery times thanks to ample warehouse capacities**



Technical Materials

Each sector and application has specific requirements for machines and plants. Quality is important in even the smallest components, since it influences subsequent production and machining processes. We have always concentrated on the task of developing forward-looking products for a wide application spectrum. Our technical materials are primarily characterized by good slide properties and high wear resistance. This means that we are able to guarantee a long lifetime for our materials and low maintenance requirements for your plants.



High-Performance Materials

Our high-performance materials are designed to meet unusual requirements and high stresses and stains. They are the result of the consistent development of our technical materials. They are characterized by exceptional chemical, mechanical, and thermal resistance and resilience in situations of dynamic stress. Murtfeldt high-performance materials are therefore ideally suited for extremely customized tasks.

ORIGINAL MATERIAL ”S”® 材料

A traditionally successful material

Since the 1950s, Material ”S”® has been tried and tested a thousand times over for a wide range of applications in power engineering and conveyor technology.

Material ”S”® is based on virgin, ultra-high molecular weight low density polyethylene and significantly exceeds the requirements of DIN 16972. Original Material ”S”® is one of the most successful groups of materials in the industrial plastics sector.

SPECIAL PROPERTIES

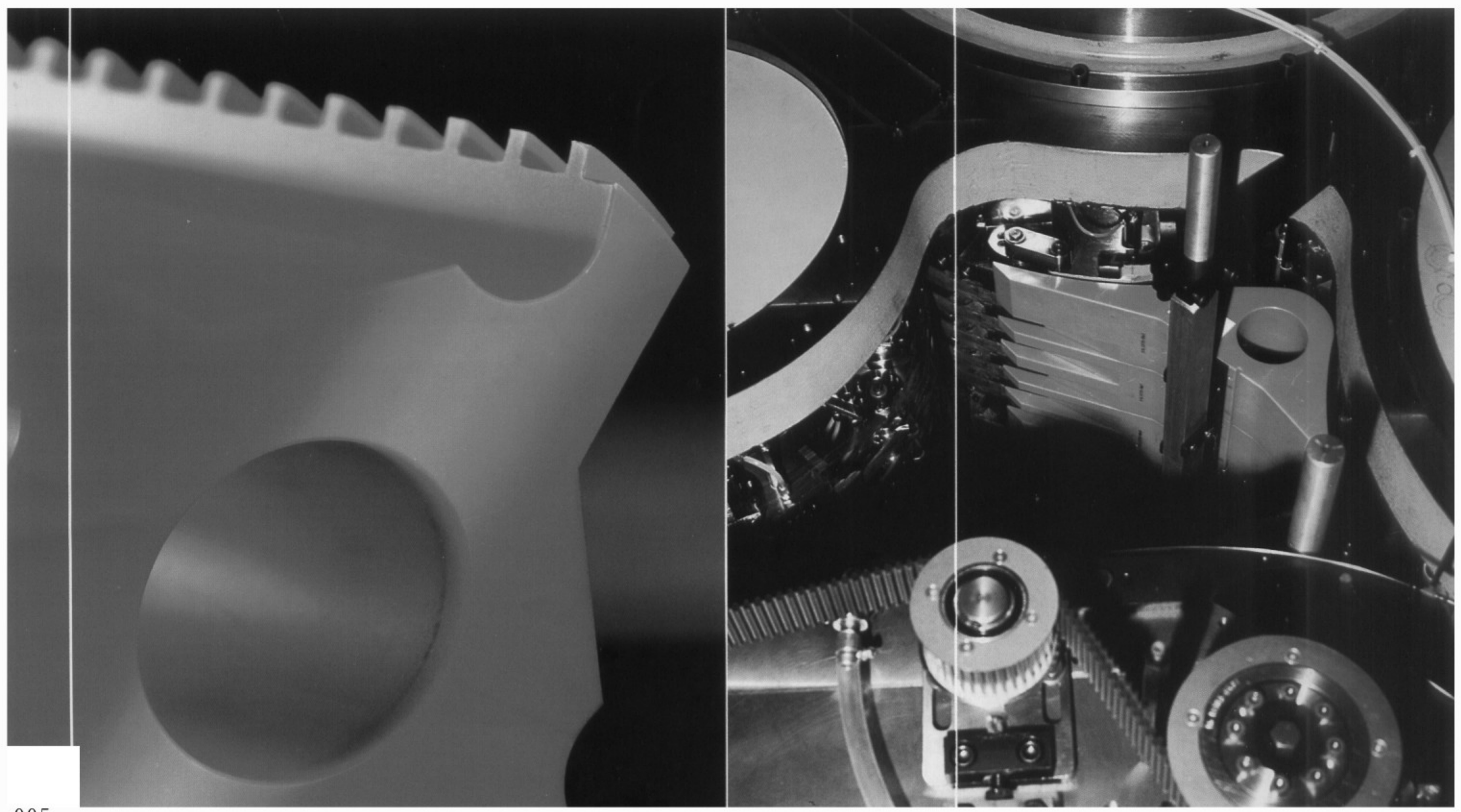
- Extremely high wear resistance – even in abrasive applications
- Excellent slide properties
- High impact strength
- Extremely good resistance to chemicals
- Excellent shock and impact absorption
- Good anti-adhesion properties
- No moisture absorption
- Available in all RAL colours (minimum purchase quantity of 600kg for materials not kept on stock)
- Electrically isolating (”S” Green, Natural, and colours)
- Approved for use in the food industry (EU and FDA)
- Antistatic (”S” Black)
- Suitable for devices and machines subject to Directive 94/9/EC (ATEX 95) (”S” Black)

POSSIBILITIES OF USE Green/Natural/colours

- Slide bearings
- Chain guides
- Highly wear-resistant slide segments
- Slide profiles

POSSIBILITIES OF USE Black

- Belt guides
- Highly wear-resistant antistatic slide segments
- Slide profiles



MATERIAL ”S”® 1000 材料

For a favourable mix of properties

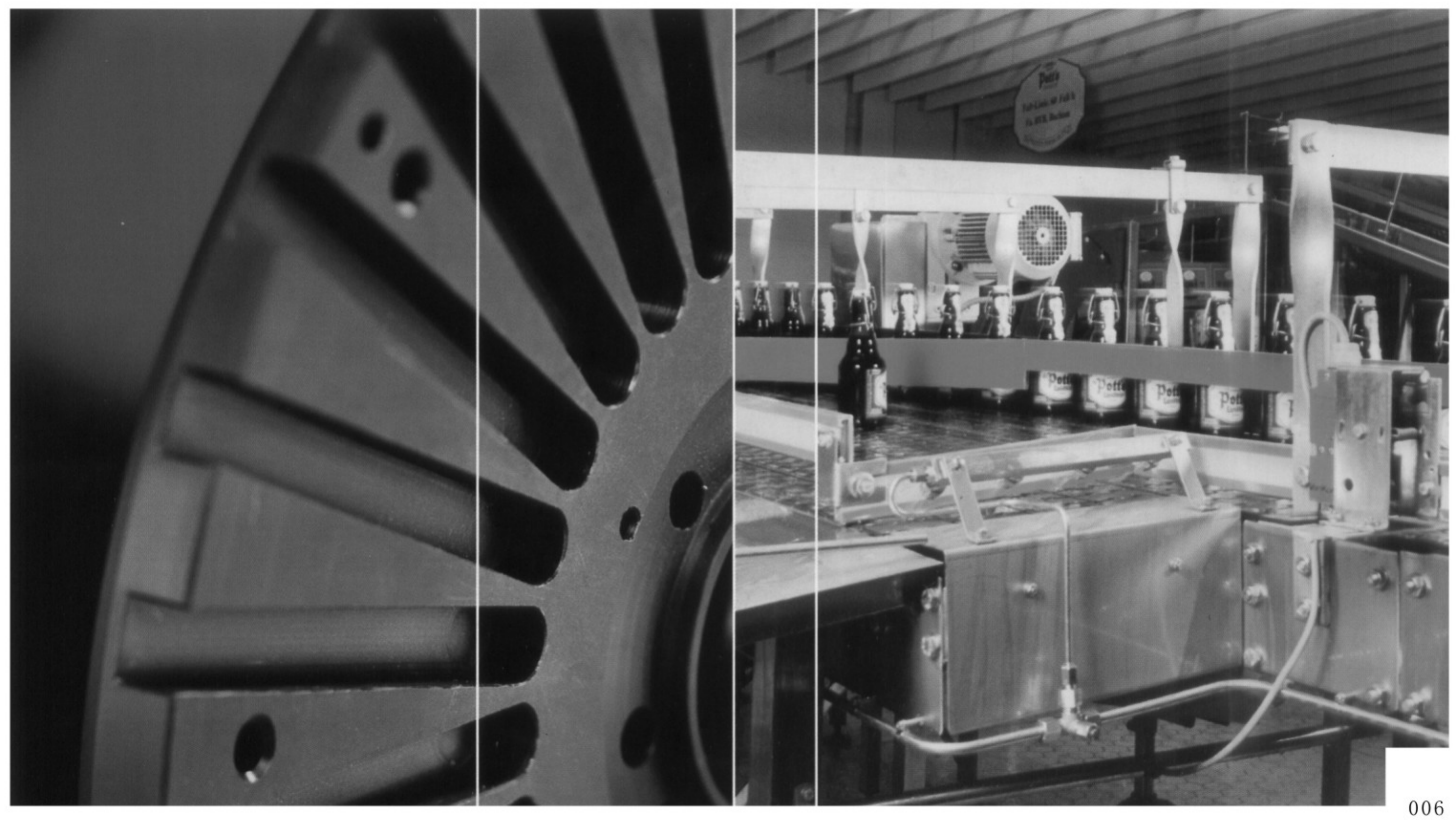
This material is exclusively produced from ultra-high molecular weight polyethylene powder that is mixed with finely milled Original Material ”S”®. The mixing process is computer-monitored. The fine milled material is compression-moulded at high pressure and temperatures to form new semi-finished products. This results in a high-quality material with an exceptional price/performance ratio that is characterized by exceptional abrasion resistance and good slide properties. Material ”S”®1000 is physiologically safe.

SPECIAL PROPERTIES

- Good wear resistance properties
- Good slide properties
- Good anti-adhesion properties
- No moisture absorption
- Electrically isolating (”S” 1000 Green)
- Antistatic (”S” 1000 Black)
- Economical
- Environmentally friendly

POSSIBILITIES OF USE

- Slide bearings
- Chain guides
- Wear-resistant slide segments
- Slide profiles



ORIGINAL MATERIAL ”S”® 8000 材料

Smooth and strong

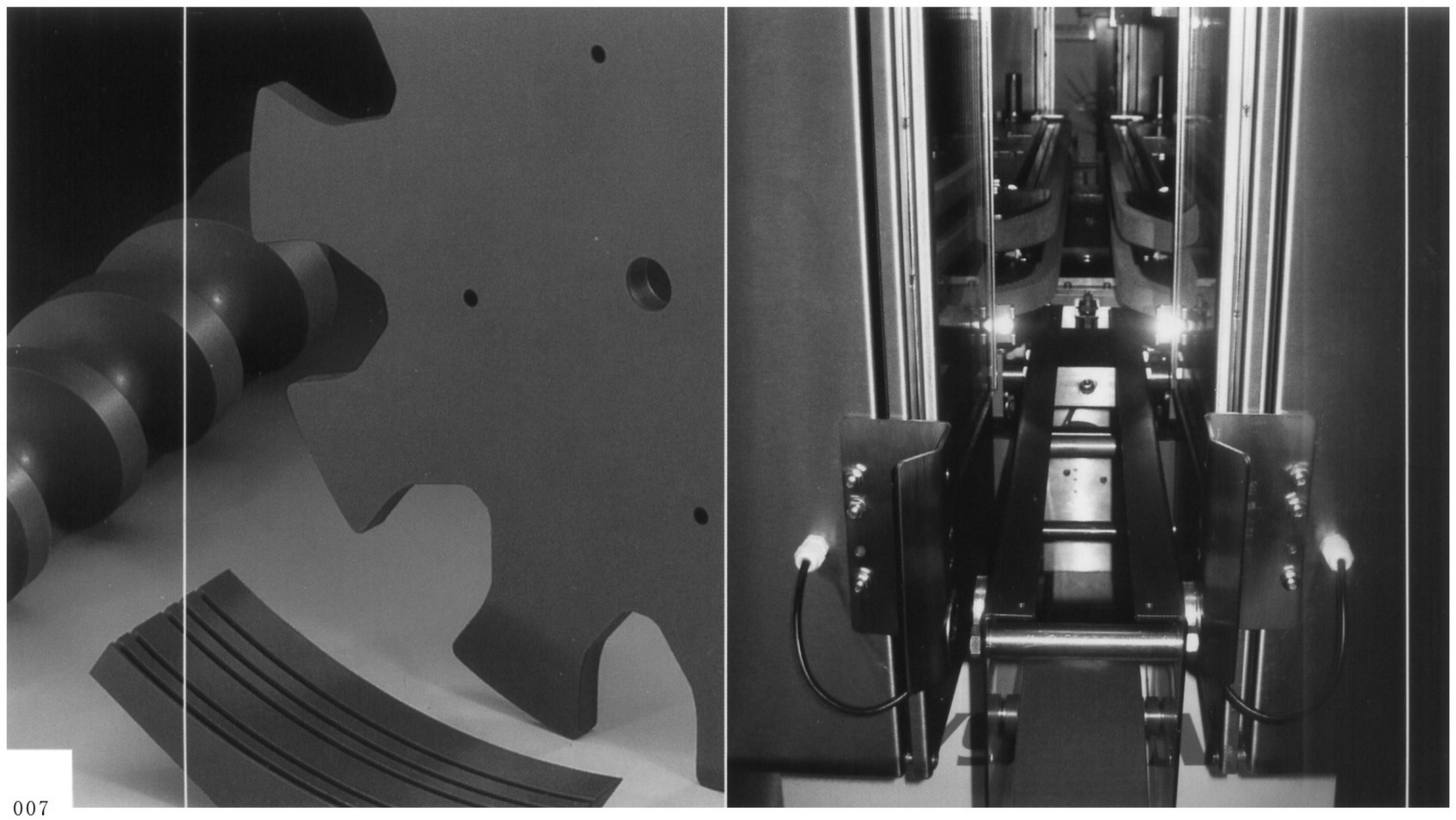
This material results from the further development of a tried-and-tested material – experiences of over 50 years of producing Material ”S”® have contributed to its development. This has involved improving already impressive material properties. For example, the self-lubricating character of this material has resulted in an improved sliding friction coefficient in comparison with Material ”S”®. Material ”S”® 8000 is ideally suited for use in sliding guides, slide segments, and slide bearings.

SPECIAL PROPERTIES

- **Self-lubricating – lower sliding friction coefficient**
- **Increased wear resistance**
- **Excellent shock and impact absorption**
- **Good resistance to chemicals**
- **Good anti-adhesion properties**
- **Electrically isolating**
- **High resistance to UV rays**

POSSIBILITIES OF USE

- **Highly wear-resistant slide elements**
- **Sliding guides, slide segments, and sliding bearings**



ORIGINAL MATERIAL ”S”® plus+ GB 材料(含添加GB)

Practically no wear

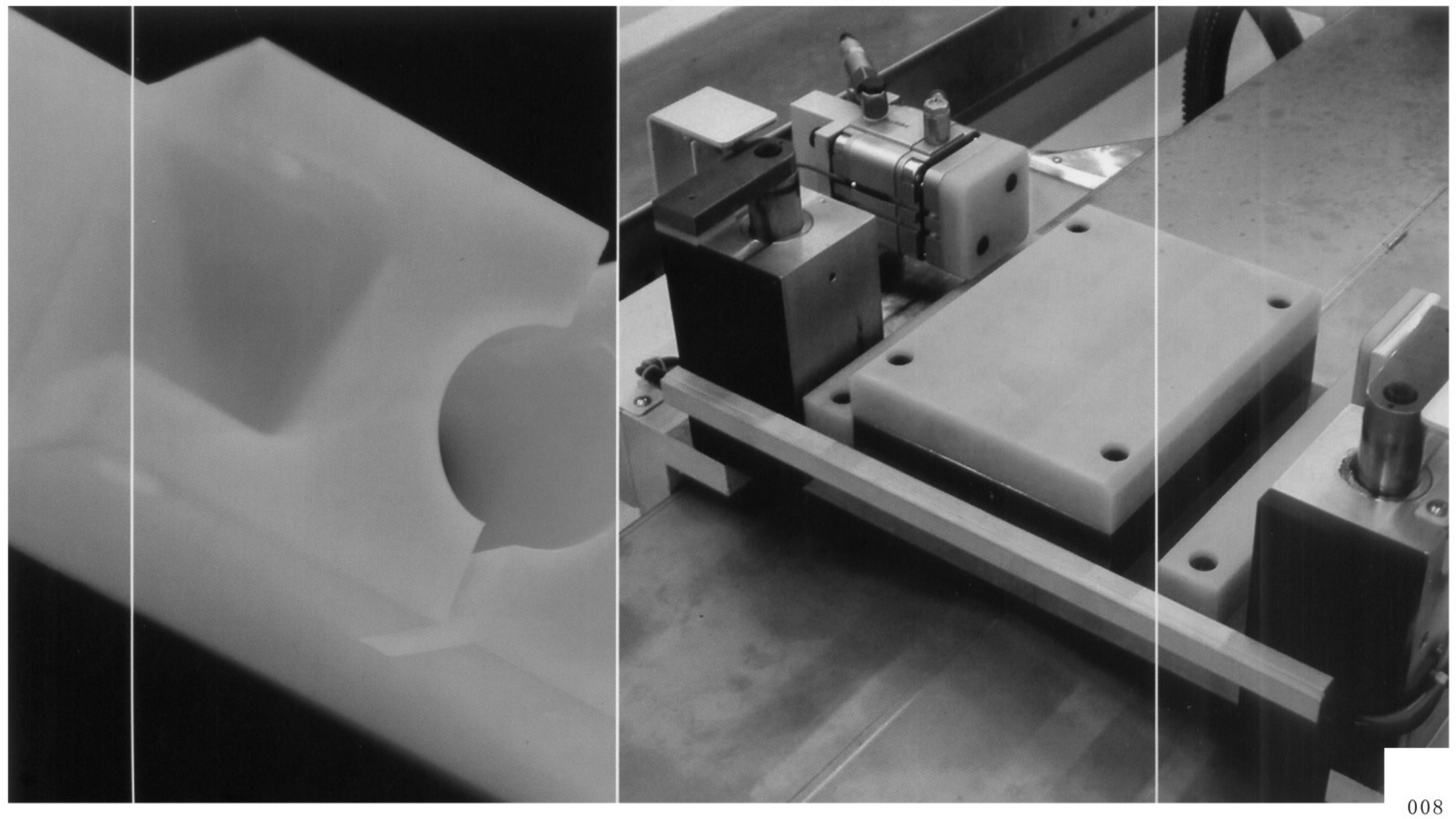
This material is used for applications that involve manufacturing and transportation at high pressure. The balanced quantity of micro glass beads in Material ”S”® plus+ GB provides the combined benefits of extremely high molecular weight polyethylene and glass. The glass beads that protrude from the surface give a rounded and hard sliding surface.

SPECIAL PROPERTIES

- **Protects the sliding partner (unlike glass-fibre reinforced plastics)**
- **Extremely good resistance to chemicals**
- **Approved for use in the food industry (EU and FDA)**

POSSIBILITIES OF USE

- **Guides for PET bottlenecks in the beverage industry**
- **In abrasive environments (for example, environments where lint is present)**



ORIGINAL MATERIAL ”S”® plus+ OIL 材料(含添加Oil)

For peace and quiet

In Material ”S”®plus+ OIL, the lubricant is actually integrated into the material rather than being on the surface. This prevents lubricant from leaking and dust particles from adhering to the surface.

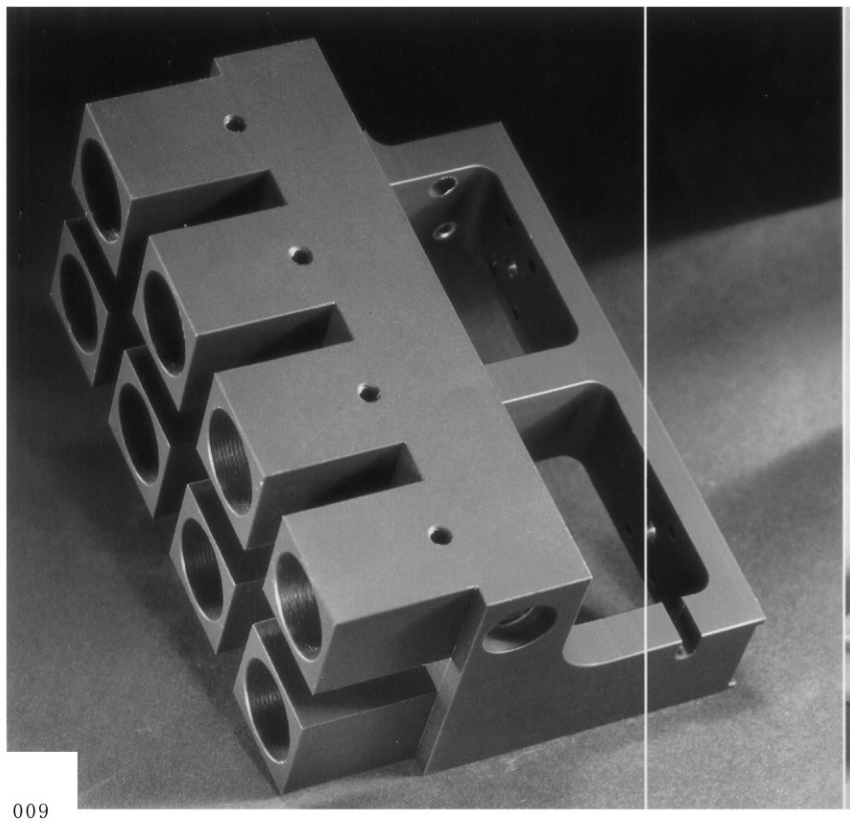
A further positive effect of the integration of oil in the material is an improvement in the coefficient of friction. Material ”S”®plus+ OIL guarantees exceptional slide properties and the oil in the material helps to prevent the stick/slip effect. This reduces noise to a minimum.

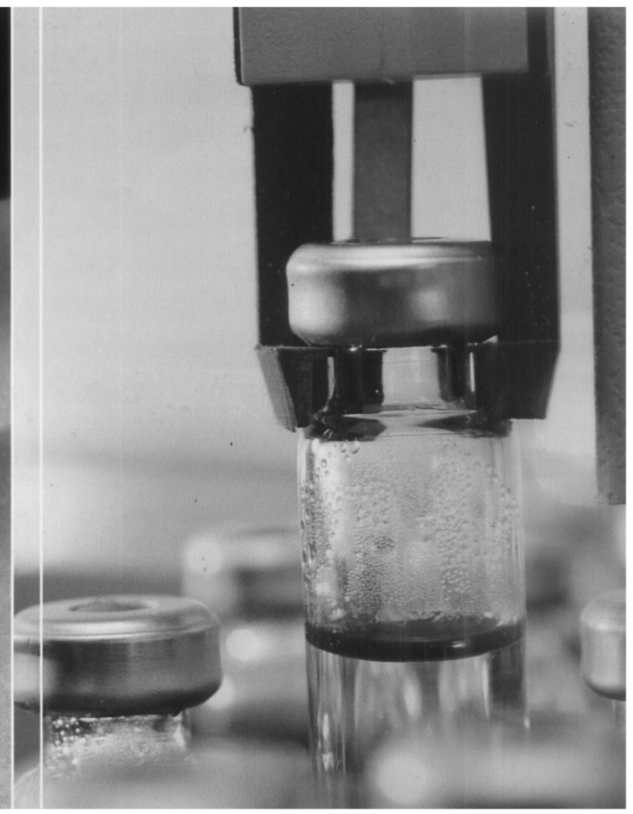
SPECIAL PROPERTIES

- **Self-lubricating**
- **Minimal sliding friction coefficient**
- **No moisture absorption**
- **Reduction in stick/slip effect means a minimal amount of noise such as squeaking**
- **Approved for use in the food industry (EU and FDA)**

POSSIBILITIES OF USE

- **In the food sector as, for example, slide profiles for modular link belts, slat band chains, chain guides, sliding bearing bushes, valve housings, and much more**
- **Use in industrial applications for which no lubricant may be used due to a need to prevent ground-water contamination**





ORIGINAL MATERIAL ”S”® plus+ ESD 材料(含添加ESD)

Worry-free work

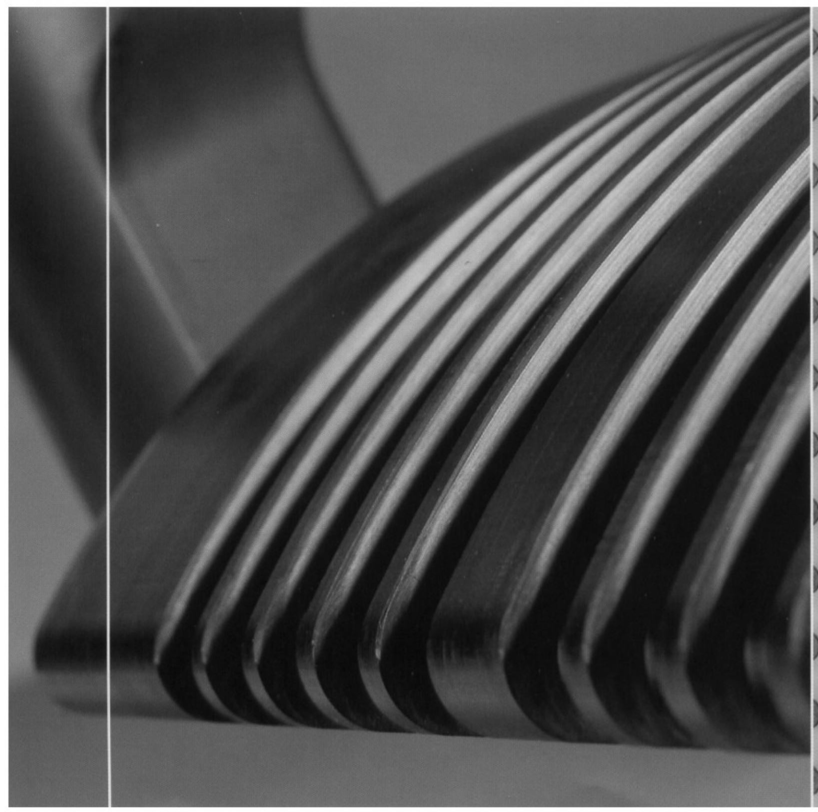
Thanks to its extremely low electrical resistance, Material ”S”®plus+ ESD is an optimum conductor. Full voltage dissipation for earthed components at maximum speed enables safe, spark-free work. This material provides a cost-effective alternative to carbon-filled PTFE.

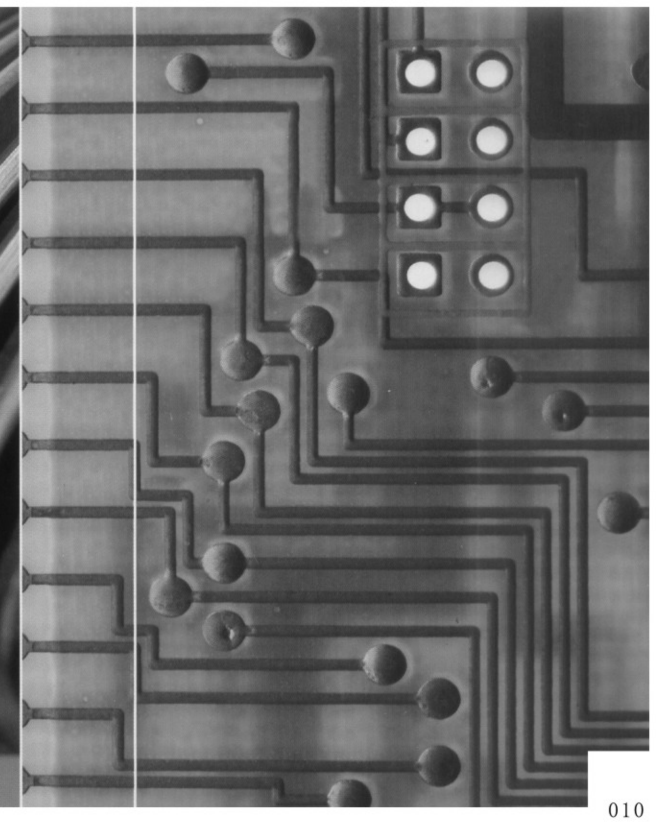
SPECIAL PROPERTIES

- **Very good conductivity (surface resistance of $< 10^4$ohm)**
- **Voltage dissipation on surface in less than 0.1s**
- **Cost-effective alternative to carbon-filled PTFE**
- **Suitable for devices and machines subject to Directive 94/9/EC (ATEX 95)**
- **Approved for use in the food industry (EU and FDA)**

POSSIBILITIES OF USE

- **In the automotive and semiconductor sectors as, for example, full-surface sliding bases for modular link belts**
- **As work piece carriers for sensitive electronic components**





ORIGINAL MATERIAL ”S”® plus+ Bright ESD 材料(含添加Bright ESD)

Keeping it clean

For the first time, it has been possible to develop a light plastic with high conductivity and a voltage-dissipating effect on earthed components. This combination was not previously possible. This material is ideal for use in applications where a high value is placed on hygiene and antistatic characteristics.

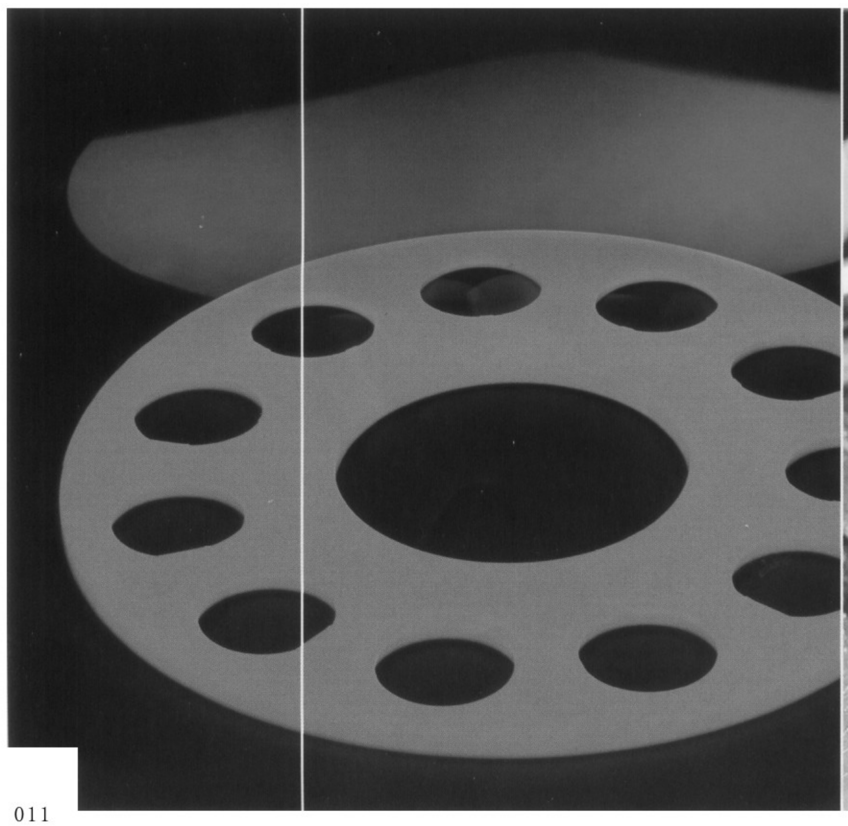
In many work environments, light surfaces are mandatory. The conductivity of Material ”S”®plus+ Bright ESD provides optimum safety. Its properties largely match those of Material ”S”®plus+ ESD.

SPECIAL PROPERTIES

- **Very good conductivity (surface resistance of ≤ 10^5ohm)**
- **Ideally suited to light, dust-free environments**
- **Suitable for devices and machines subject to Directive 94/9/EC (ATEX 95)**

POSSIBILITIES OF USE

- **Clean room technology**
- **Medicine**
- **Laboratories**




ORIGINAL MATERIAL ”S”® plus+ AB 材料(含添加AB)

Sterile and safe

Material ”S”®plus+ AB contains special substances that prevent the growth of bacteria and other microbes at the same time as protecting the environment and people. The material is thus ideally suited for use when manufacturing and processing foods. It can reduce the growth of microbes on surfaces by between 99.96 to 99.99% in comparison with materials with no special additives. This means that it can virtually eradicate unpleasant smells and the formation of biofilms. ”S”®plus+ AB combines antibacterial properties with the exceptional characteristics of the ”S”®plus+ range.

SPECIAL PROPERTIES

- **Reduces bacteria and microbe growth by around 99.99%**
- **Approved for use in the food industry (EU and FDA)**
- **High wear resistance**
- **Long lifetime**
- **Good resistance to chemicals**
- **Good acoustic insulation**
- **No moisture absorption**

POSSIBILITIES OF USE

- **Curve and chain guides and slide bars or components in the food and beverage industry (especially in the meat sector and in dairies and breweries)**
- **Slide and drive elements in medical and food technology**
- **In areas where high standards of hygiene are required, such as the storage and handling of food, cosmetics, and drugs**


MURALEN® 材料

Great for making chopping boards

Muralen® is based on high molecular weight polyethylene (PE-HMW) and is ideally suited for use in applications that require the generally impressive material properties of polyethylene. However, it is only used in cases where the excellent slide and wear resistance properties of Original Material "S"® are not required. Because of its great cut, impact, and shock resistance, this material is often used to make underlays for cutting and punching machines and for ram guards.

MURALEN® PLUS+ AB

This material has the same properties as Muralen® but also has an anti-microbe effect.

SPECIAL PROPERTIES

- High cut resistance
- Good shock and impact absorption
- Good slide properties
- Good resistance to chemicals
- Good anti-adhesion properties
- No moisture absorption
- Approved for use in the food industry (EU and FDA)
- Available in all RAL colours (minimum purchase quantity of 600kg for materials not kept on stock)
- Good weldability
- Antibacterial properties (Muralen® plus+ AB)
- Antistatic (Muralen® Black)

POSSIBILITIES OF USE

- Chopping boards/underlays for cutting machines
- Ram guards in supermarkets, cold stores, and abattoirs

MURLUBRIC® 材料

Smooth sliding

Mineral oil is integrated into this modified cast polyamide during polymerization. As a result, the material has self-lubricating properties and retains its excellent characteristics for its entire lifetime. This significantly reduces operating and maintenance costs.

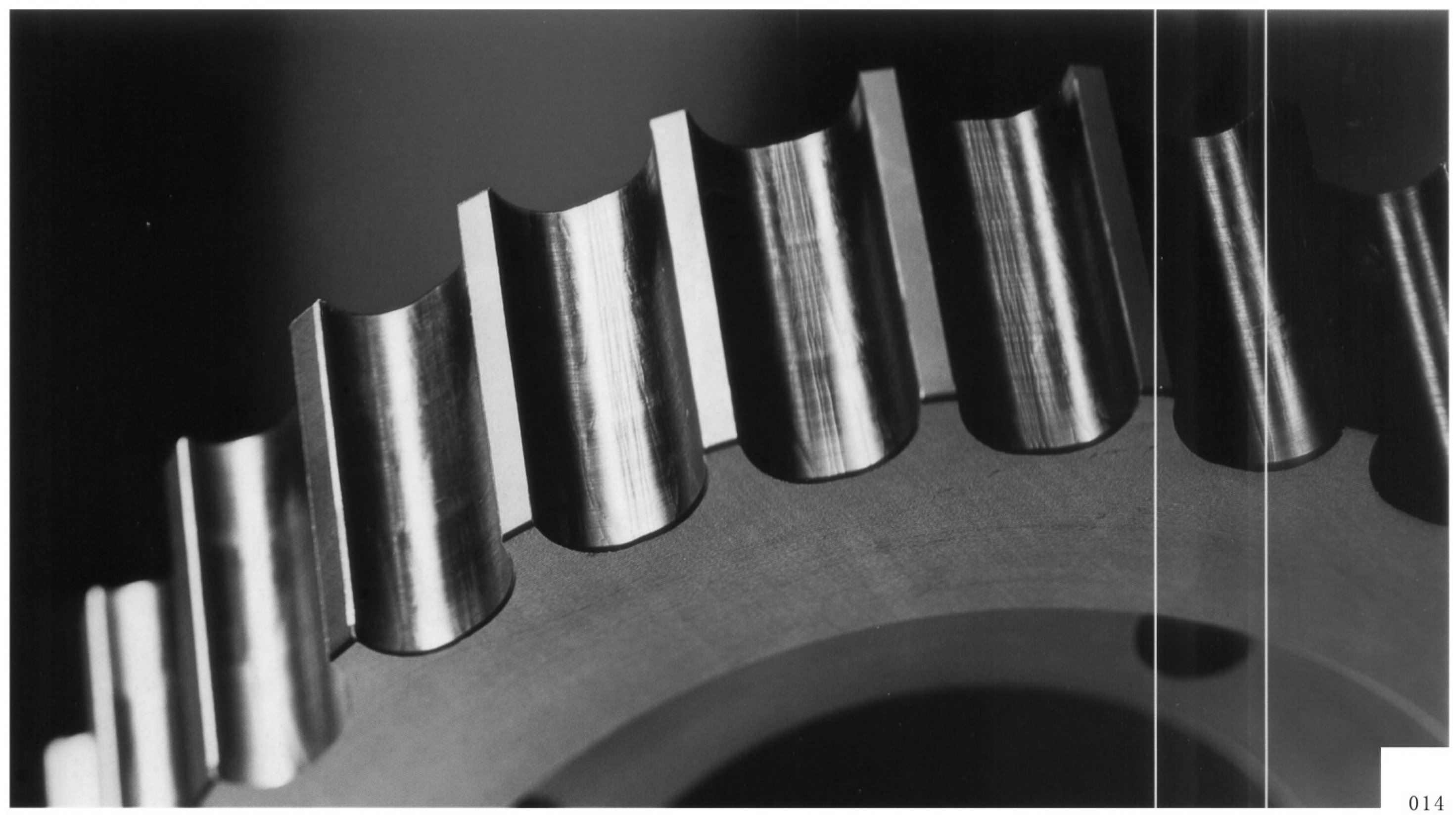
This material has practically the best slide properties of our entire range. In addition, Murlubric® is extremely wear-resistant and is suitable for use in high-stress slide and wearing applications even at high speeds.

SPECIAL PROPERTIES

- Excellent slide properties
- Wear-resistant, even in abrasive applications
- High mechanical strength
- Self-lubricating
- Vibration-free running
- Low residual stress
- Good lubricant resistance
- High dynamic load-bearing capacity

POSSIBILITIES OF USE

- Rollers
- Highly-stressed slide elements (lifetime is 5 to 10 times longer than for normal polyamide)
- Chain guide rails
- Radial sliding bearings



MURYLON® B 材料

A strong bond

Murylon® B natural has the best impact resistance of all Murylon materials. This material is especially suited for use in machine construction thanks to an excellent combination of mechanical properties.

SPECIAL PROPERTIES

- **Exceptional resistance**
- **Good impact strength**
- **Low cold flow characteristics**
- **Approved for use in the food industry (EU and FDA)**

MURYLON® A 材料

No wearing down

This material combines the excellent properties of the Murylon® range with additional high tensile and compressive strength, increased wear resistance, and a lower level of moisture absorption than Murylon® B.

SPECIAL PROPERTIES

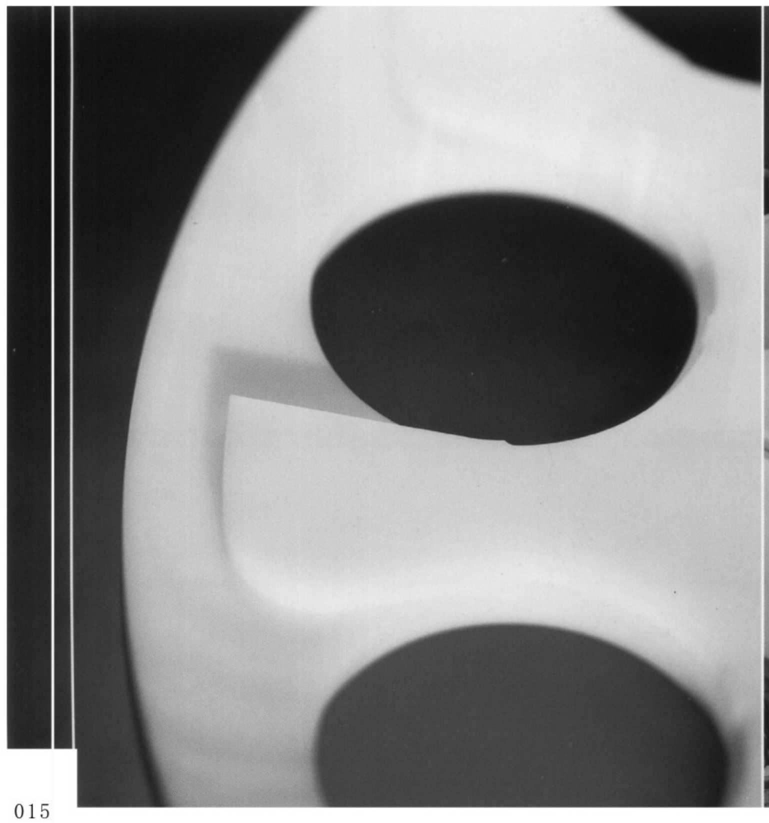
- **Better wear resistance than Murylon® B**
- **Improved tensile and compressive strength**
- **Better temperature resistance than Murylon® B**
- **Extremely good fatigue strength**
- **Low cold flow characteristics**
- **Approved for use in the food industry (EU and FDA)**

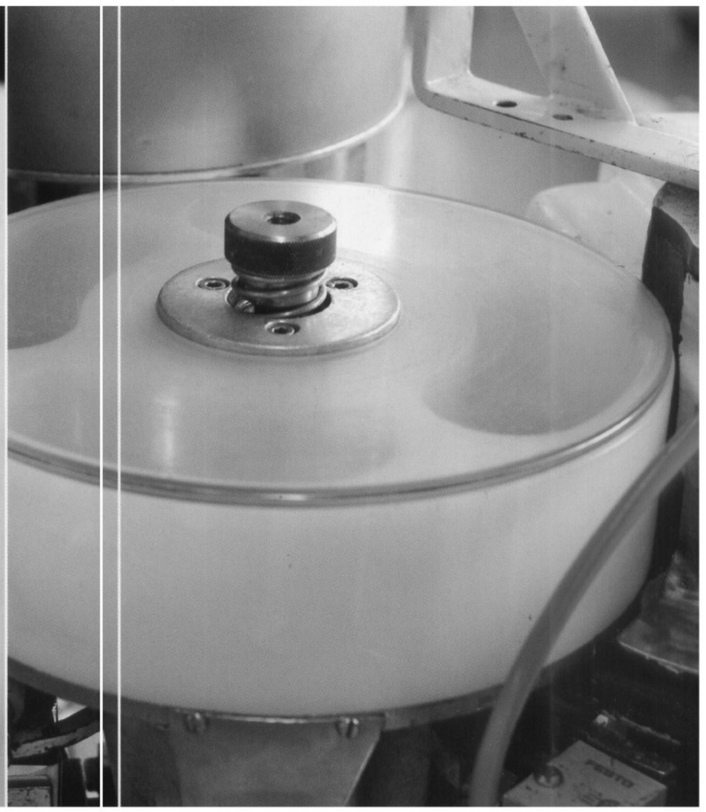
POSSIBILITIES OF USE FOR MURYLON® B NATURAL

- **Rollers**
- **Slide bearings**
- **Parts subject to high impacts and shocks**

POSSIBILITIES OF USE FOR MURYLON® A NATURAL

- **Rollers**
- **Slide bearings**
- **Slide elements**
- **Components under varying stress**
- **Parts subject to high impacts and shocks**





MURYLON® A GF 材料

Rigid and stable

The properties of this material surpass the already impressive characteristics of Murylon® A. This is possible thanks to admixed glass fibres. The result: A clear improvement in cold flow behaviour and dimensional stability. This enables higher static pressure loads to be endured.

SPECIAL PROPERTIES

- **Improved compressive strength**
- **Excellent cold flow behaviour**
- **Increased rigidity**
- **Better dimensional stability than other Murylon® materials**
- **Can be used at higher temperatures (+120°C)**
- **Low moisture absorption**

MURYLON® 6 CAST 材料

Unilaterally perfect

Murylon® 6 CAST has extremely low levels of residual stress thanks to the casting procedure used to produce it. This material is therefore ideally suited to extensively processed components.

SPECIAL PROPERTIES

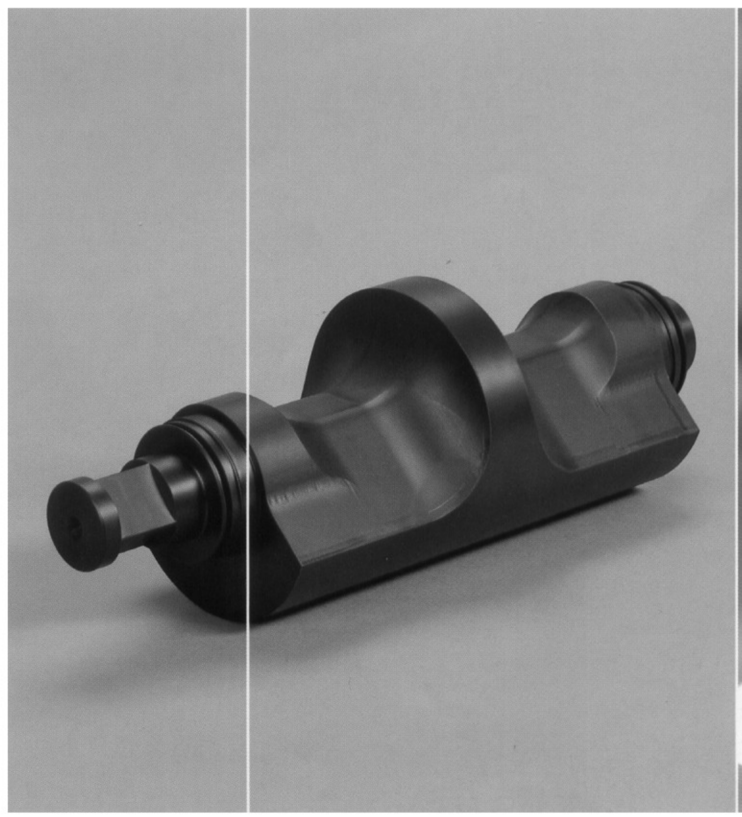
- **Good impact resistance**
- **Low cold flow characteristics**
- **Optimized wear properties (similar to those of Murylon® A)**
- **Low residual stress**
- **Flexible production of large-volume products possible**
- **Good fatigue strength**

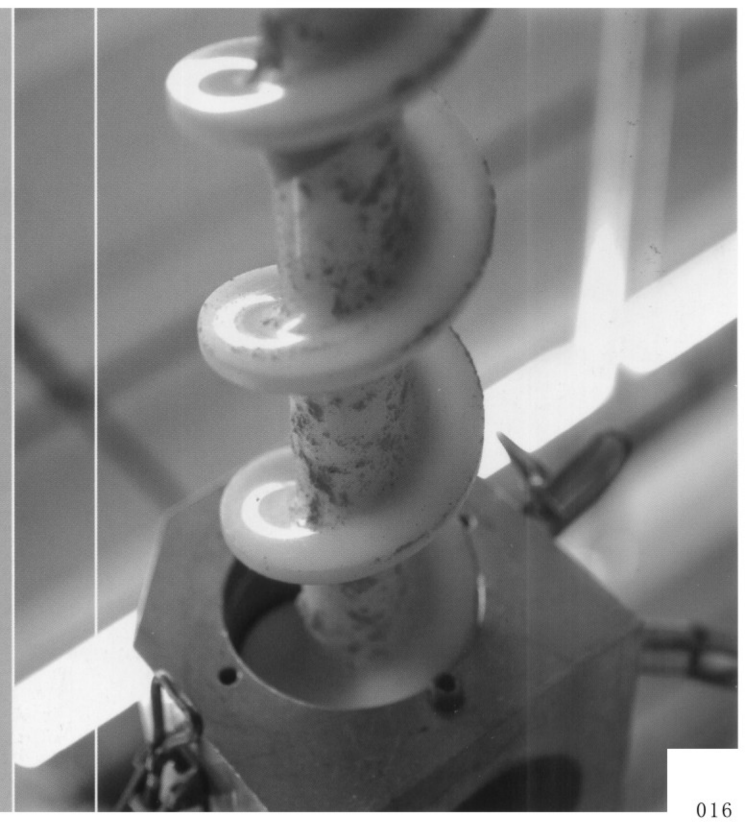
POSSIBILITIES OF USE FOR MURYLON® A GF

- **Highly stressed load-bearing machine parts**

POSSIBILITIES OF USE FOR MURYLON® 6 CAST

- **Runners**
- **Slide elements**
- **Parts subject to high impacts**
- **Cog and chain wheels**
- **Pulleys**





MURDOPOL® 材料

The best connection

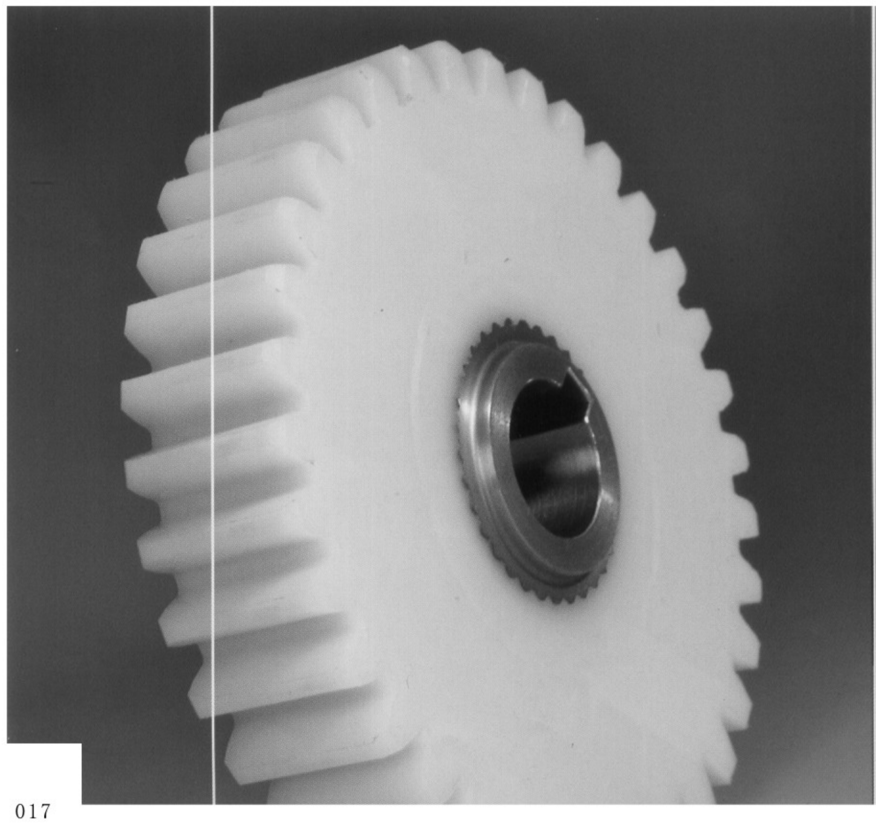
The main advantage of this material is its fantastic ability to create firm plastic/metal connections. This is made possible by the casting procedure used in its production, which involves casting around a steel core. The plastic and metal cutting deformation provides an absolutely accurate rotation for cog wheels and rollers. Murdopol® has extremely high shock and impact resistance characteristics and good emergency running characteristics thanks to its high wear resistance.

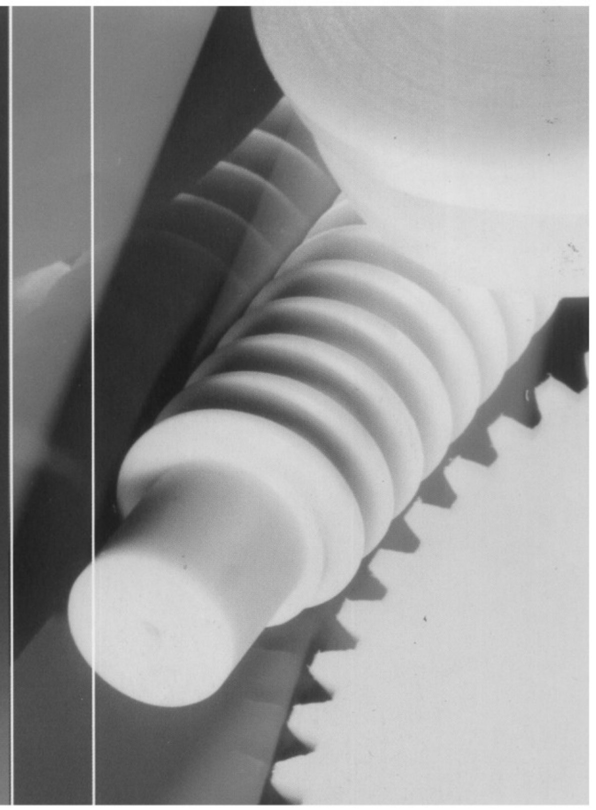
SPECIAL PROPERTIES

- **Good shock and impact resistance**
- **Low residual stress**
- **Metal core surrounded by cast plastic available**
- **Good damping and vibration behaviour**
- **Lowest moisture absorption of all polyamides**
- **Good resistance to chemicals**
- **Dimensionally stable**

POSSIBILITIES OF USE

- **Cog wheels with steel core**
- **Pulleys**
- **Humid usage sites**
- **Parts subject to high impacts**





MURYTAL® C 材料

Always on form

Thanks to their extremely low absorption of moisture, Murytal® materials are ideally suited for use as electronic isolation components. A fine crystalline structure and high yield strength mean that Murytal® C has a high ability to regain its original form.

SPECIAL PROPERTIES

- **High rigidity**
- **Excellent ability to regain its form**
- **Extremely good electric isolation properties**
- **Practically no moisture absorption**
- **Good resistance to chemicals (pH 4 – 13)**
- **Approved for use in the food industry (EU and FDA) (Natural)**
- **Extremely good machinability**
- **Hydrolysis resistant to 80°C**

MURYTAL® H 材料

The harder option

In addition to the excellent properties of Murytal® C, Murytal® H is stronger and more rigid with a lower expansion coefficient.

SPECIAL PROPERTIES

- **Higher rigidity than Murytal® C**
- **Excellent ability to regain its form**
- **Extremely good electric isolation properties**
- **Practically no moisture absorption**
- **Good resistance to chemicals (pH 4 – 9)**
- **Approved for use in the food industry (EU and FDA)**
- **Extremely good machinability**

MURYTAL® ESD 材料

For conductive tasks

ATEX

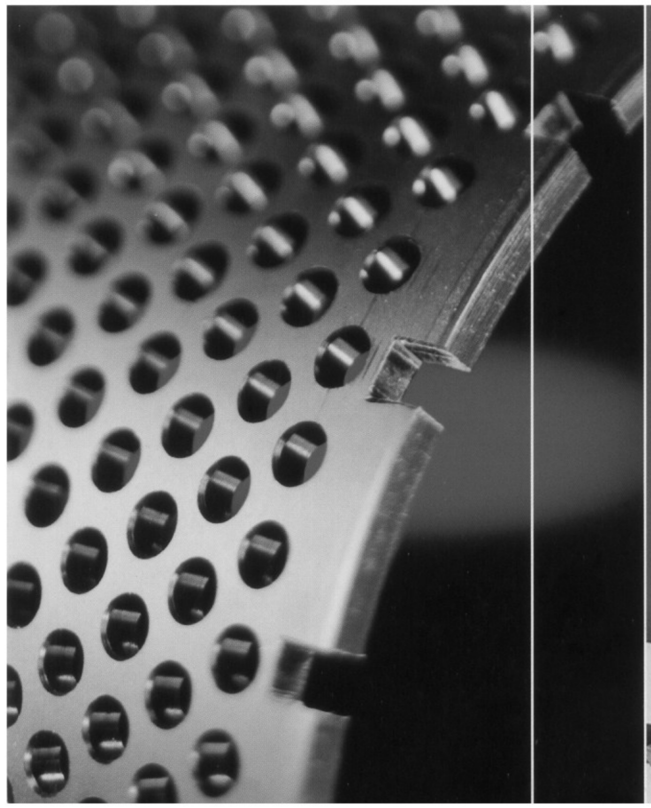
Additives make this material conductive. The mechanical properties of the material are retained almost in their entirety.

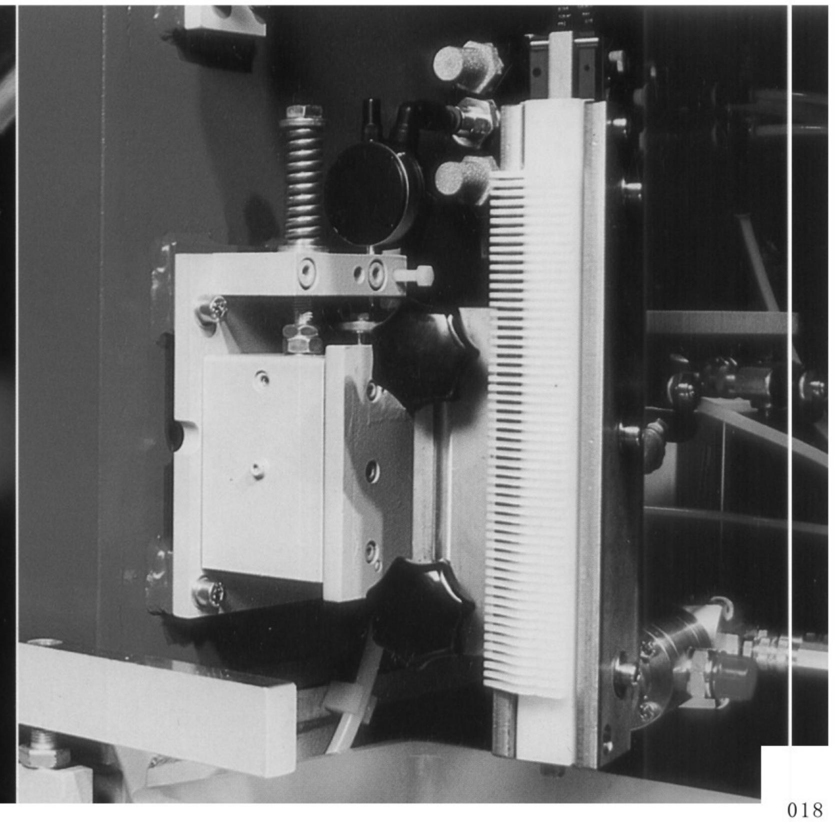
SPECIAL PROPERTIES

- **Suitable for devices and machines subject to Directive 94/9/EC (ATEX 95)**

POSSIBILITIES OF USE FOR ALL MURYTAL® MATERIALS

- **Slide elements**
- **Cog wheels**
- **Cams**
- **Snap-on connections**





MURYLAT® 材料

In good shape

Thanks to its extremely low absorption of moisture and low expansion coefficient, Murylat® is ideally suited for the processing of precision parts. Murylat® has an extremely high hardness grade and can withstand extreme static stresses exceptionally well.

SPECIAL PROPERTIES

- **High creep strength – even at high temperatures**
- **Very good dimensional stability**
- **Low moisture absorption**
- **Approved for use in the food industry (EU and FDA) (Natural)**
- **Extremely good electric isolation properties**

MURYLAT® SP 材料

Even less wear

Murylat® SP combines the properties of Murylat® with improved wear and friction characteristics. It also has increased dynamic resilience which, for example, significantly reduces the required drive power for your plants. This is made possible by the homogeneous distribution of solid lubricant.

SPECIAL PROPERTIES

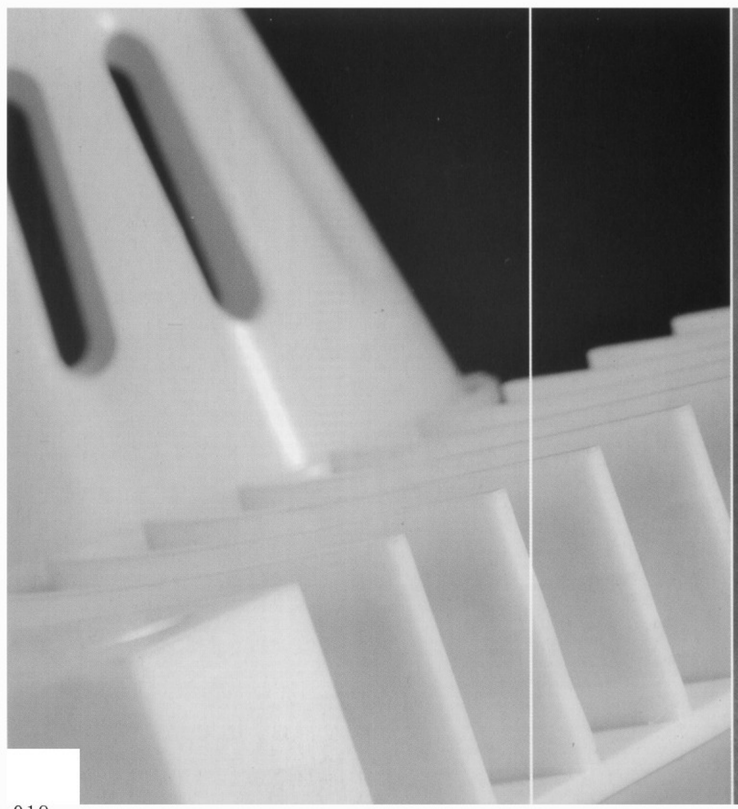
- **Increased wear resistance**
- **Better slide properties**
- **High creep strength – even at high temperatures**
- **Very good dimensional stability**
- **High dynamic load-bearing capacity**
- **Low moisture absorption**
- **Approved for use in the food industry (EU and FDA)**

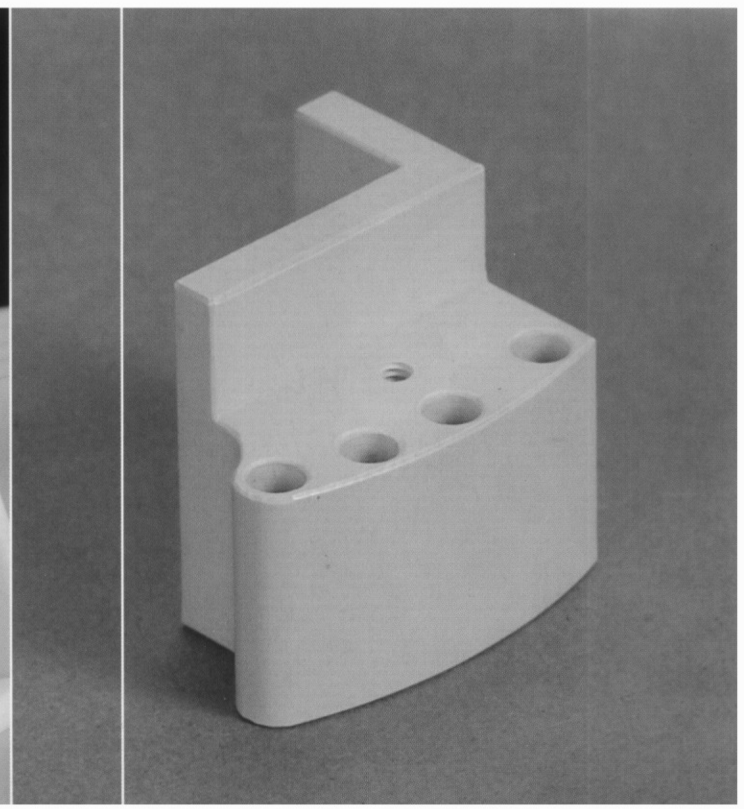
POSSIBILITIES OF USE FOR MURYLAT®

- **Machine parts with narrow tolerances**
- **Bearing and transmission elements**
- **Highly stressed chain guide rails**
- **Chain wheels**

POSSIBILITIES OF USE FOR MURYLAT® SP

- **Wear-resistant, highly stressed slide elements with narrow tolerances**
- **Bushes/sliding bearings**
- **Guides**





MURYLON® HT 材料

For when it gets hot

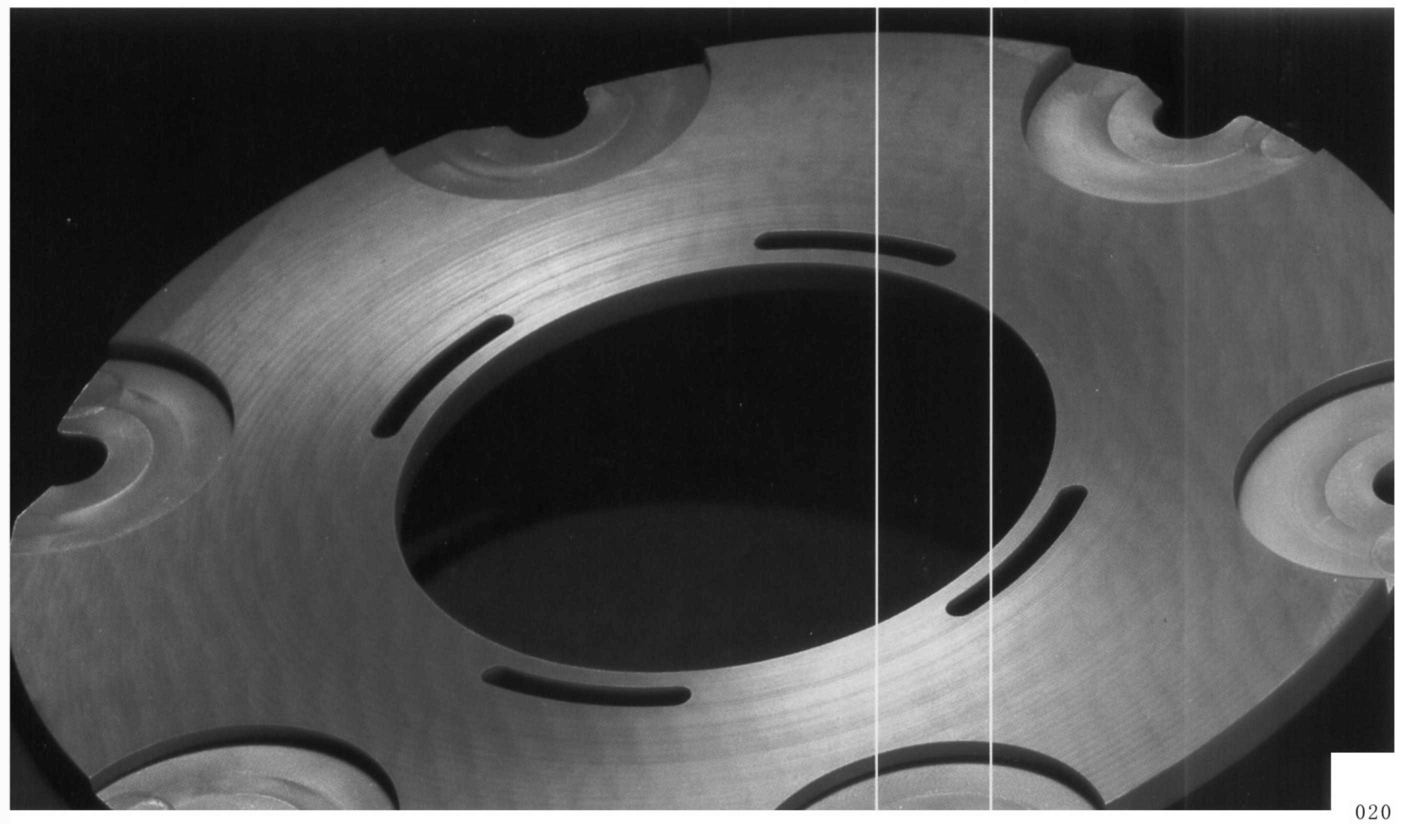
The use of this highly temperature-resistant polyamide enables reliable operation up to a constant service temperature of +155°C. The material retains its rigidity and creep strength over the entire temperature range far better than other Murylon® types. Thanks to its increased resistance against oxidative degradation, it is usually used in applications at above +80°C.

SPECIAL PROPERTIES

- **Highly wear-resistant and good slide properties, especially at high temperatures**
- **Good resistance to thermal aging**
- **High creep resistance**

POSSIBILITIES OF USE

- **Sliding bearings**
- **Chain guide rails and guides for use at high temperatures**



MURINYL® 材料

Clean work

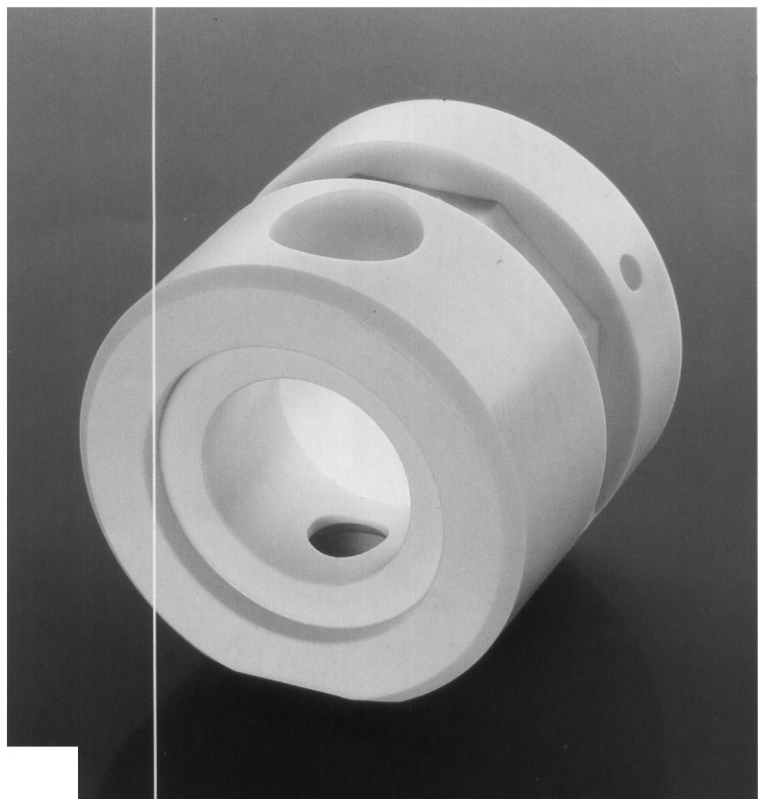
This material is ideally suited for use in the food sector and medical industry. As a fluorinated plastic, Murinyl® is exceptionally resistant to chemicals, hydrolysis, and sterilization. Moreover, the properties of the material change very little even at high service temperatures and after long-term exposure to UV radiation, meaning that Murinyl® is ideally suited for a wealth of applications both inside and outside.

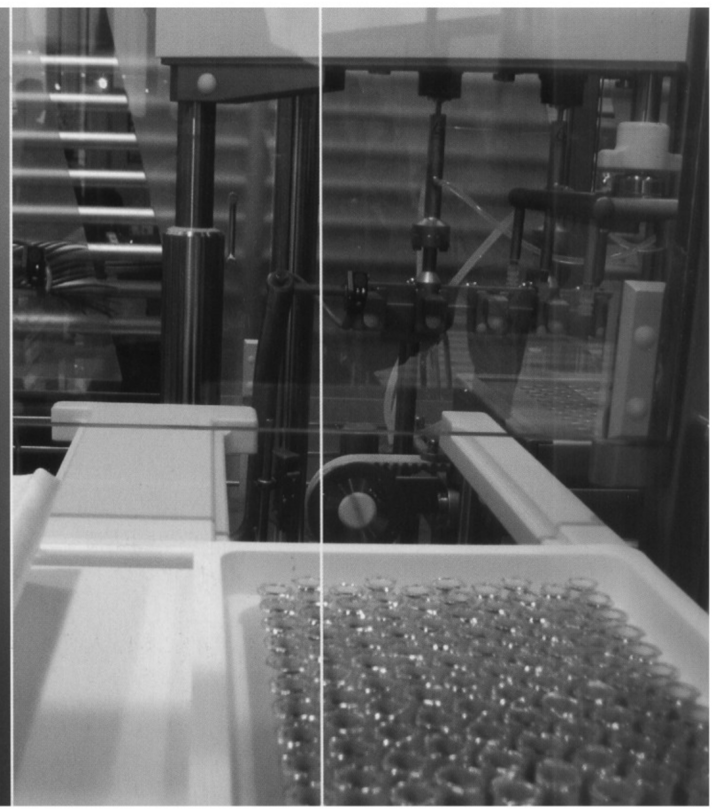
SPECIAL PROPERTIES

- Good wear resistance
- Good rigidity
- Higher compressive strength than Murflor®
- High constant service temperature
- Good resistance to chemicals
- Resistant to sterilization
- No stress corrosion possible
- Very good resistance to UV rays and adverse weather conditions
- No moisture absorption
- Approved for use in the food industry (EU and FDA)

POSSIBILITIES OF USE

- Construction of chemical apparatus
- Valve and pump parts
- Pharmaceutical and food sectors





MURFLOR® 材料

Practically frictionless

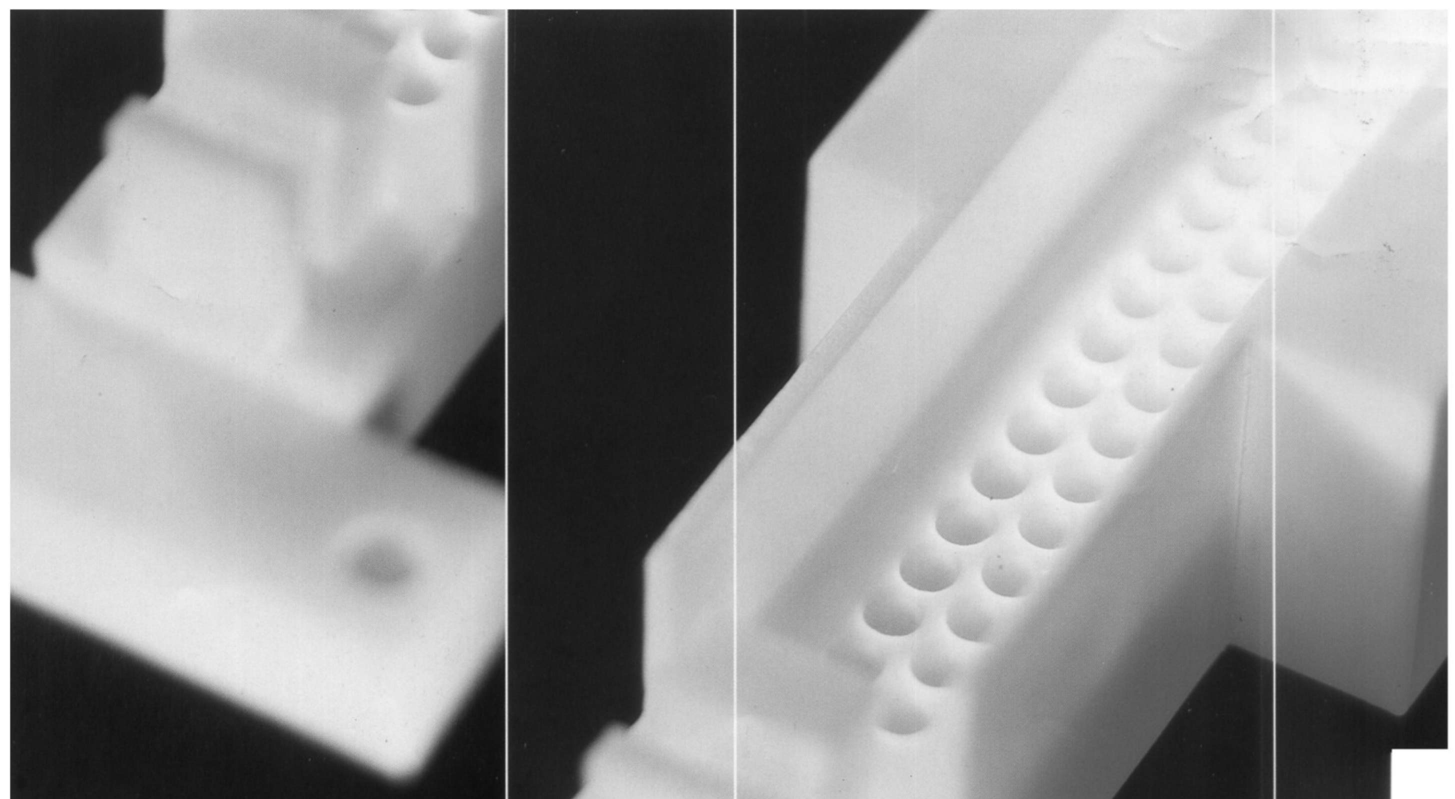
Murflor® materials are ideally suited to use in applications that require an excellent resistance to chemicals and heating steam. Murflor®'s working range starts at -200°C and can extend to +260°C with no mechanical load. Murflor® also has the lowest dynamic friction coefficient of all thermoplastics.

SPECIAL PROPERTIES

- Best dynamic friction properties of all thermoplastics
- No stick/slip effect
- Very good anti-adhesion properties
- Electrically isolating
- Very high resistance to chemicals
- Very high resistance to hydrolysis
- Very tough, even at low temperatures
- Approved for use in the food industry (EU and FDA)

POSSIBILITIES OF USE

- Construction of chemical apparatus
- Sliding guides and seals for use at high temperatures
- Slide bearings



MURFLOR® + Carbon 材料(含添加Carbon)

A reliable, antistatic material

The integration of 25% carbon increases the wear resistance, hardness, and creep strength of this material. Murflor® + Carbon is used, for example, when electrical conductivity is required and Material "S"® Black Antistatic cannot be used because the ambient temperature is too high.

SPECIAL PROPERTIES

- **Higher wear resistance than Murflor®**
- **Very good slide properties**
- **Low stick/slip effect**
- **Electrically conductive**
- **Suitable for devices and machines subject to Directive 94/9/EC (ATEX 95)**

POSSIBILITIES OF USE

- **Sliding guides and slide bearings**

MURFLOR® + Bronze 材料(含添加Bronze)

A matter of form

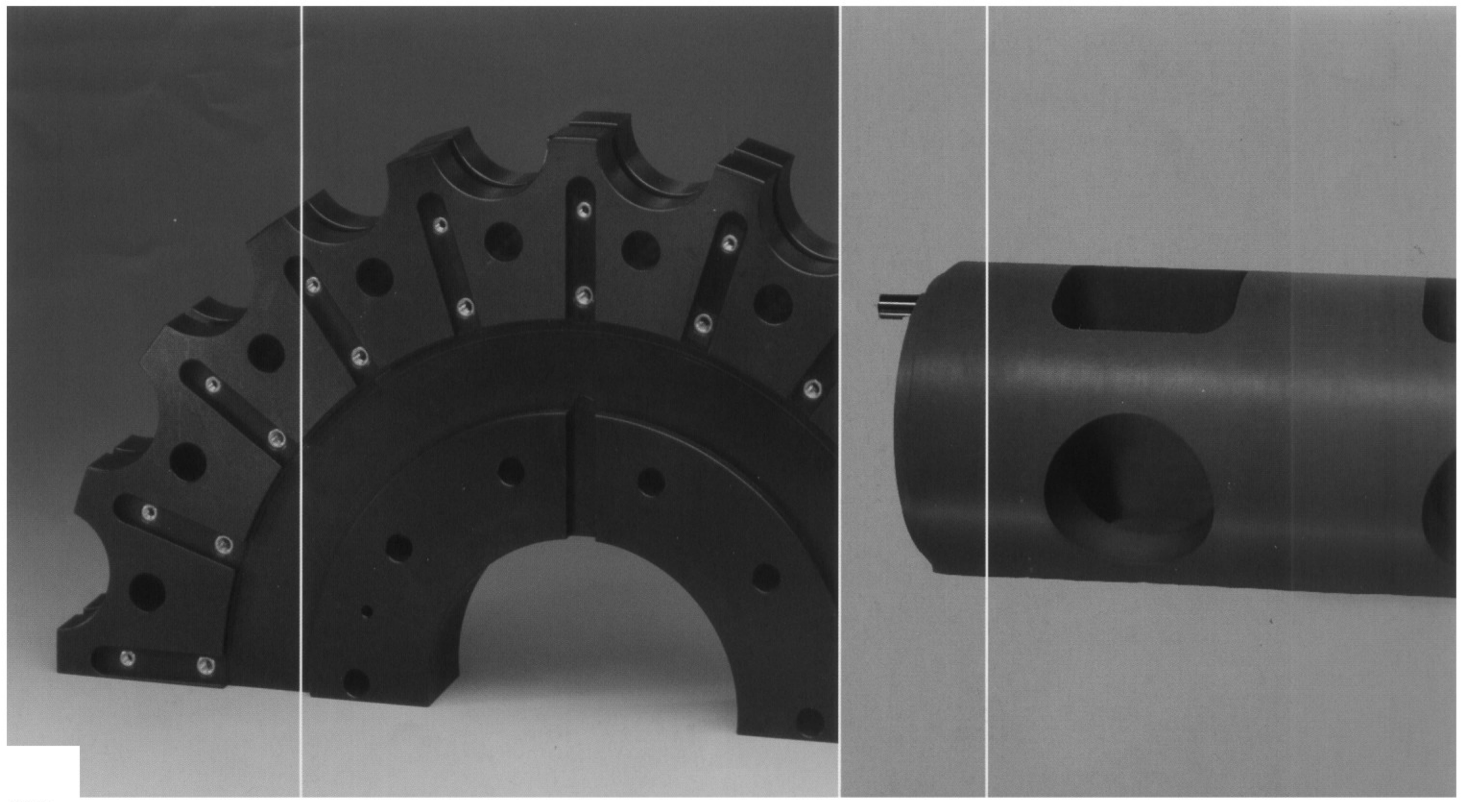
The addition of 60% bronze to the base material reduces the expansion coefficient and gives lower sliding wear.

SPECIAL PROPERTIES

- **Lower sliding wear than Murflor®**
- **Good slide properties**
- **Low stick/slip effect**
- **Higher compressive strength than Murflor®**

POSSIBILITIES OF USE

- **Sliding guides and slide bearings**



MURDOTEC® SP 材料

Stable and universal

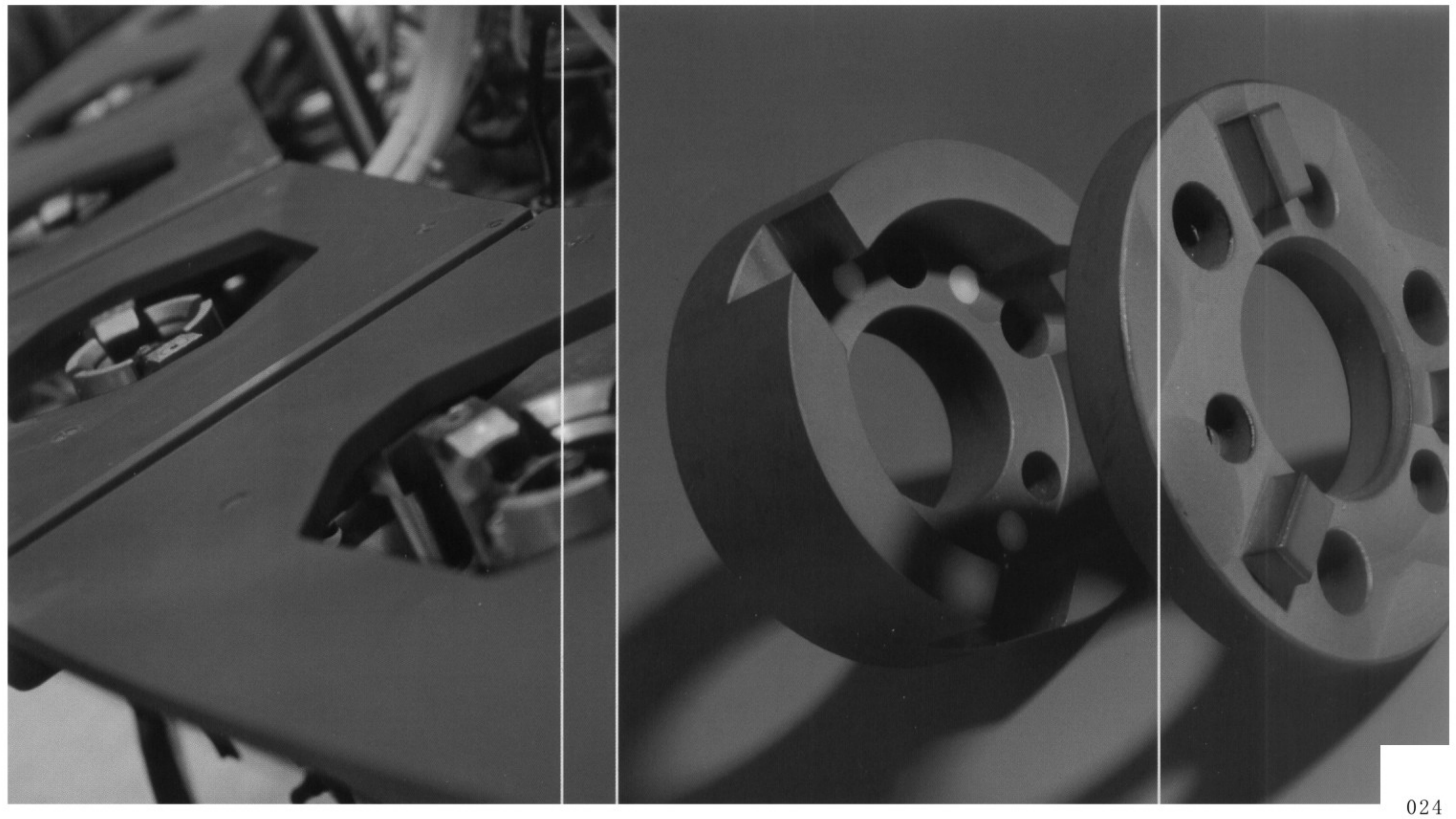
Thanks to the low fibre content and integrated solid lubricant, this high-performance material offers an excellent combination of good slide and wear behaviour, high strength, and dimensional stability – even at high temperatures. Murdotec® SP also has a good resistance to chemicals and hydrolysis.

SPECIAL PROPERTIES

- **High wear resistance**
- **Good slide properties**
- **Good resistance to chemicals and hydrolysis**
- **Excellent creep and compressive strength**
- **Good electrical isolation properties**
- **Low thermal expansion coefficient**
- **Approved for use in the food industry (EU and FDA)**

POSSIBILITIES OF USE

- **Wear parts subject to temperature stress**
- **Slide elements**



MURPEC® 材料

Always on form

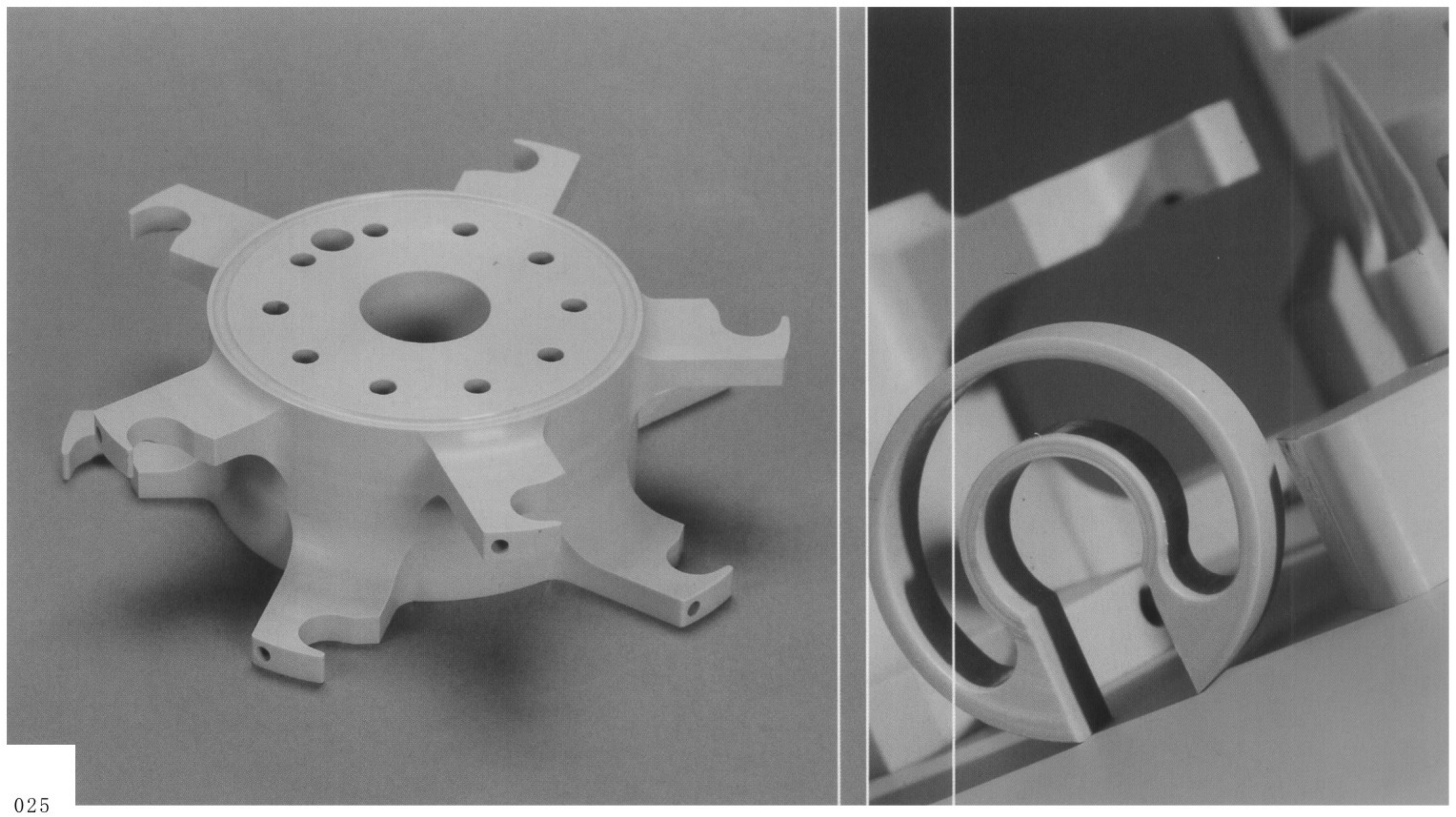
In comparison with other thermoplastics, Murpec® has an exceptionally low thermal expansion coefficient. This property provides optimum dimensional stability and means that dimensions do not change even if used in wet environments. Because of the high glass transition temperature, the material's rigidity and strength are retained almost in their entirety even at high temperatures. Murpec® materials are extremely resistant to deformation and exceptionally abrasion-proof.

SPECIAL PROPERTIES

- **High wear resistance**
- **Low expansion coefficient**
- **Electrically isolating**
- **High temperature resistance**
- **Flame-resistant**
- **High compressive strength**
- **High resistance to energy radiation**
- **Excellent resistance to chemicals and heating steam**
- **Approved for use in the food industry (EU and FDA)**

POSSIBILITIES OF USE

- **Sliding guides**
- **Cog wheels**
- **Parts subject to temperature stress**



MURPEC® SP 材料

For improved sliding

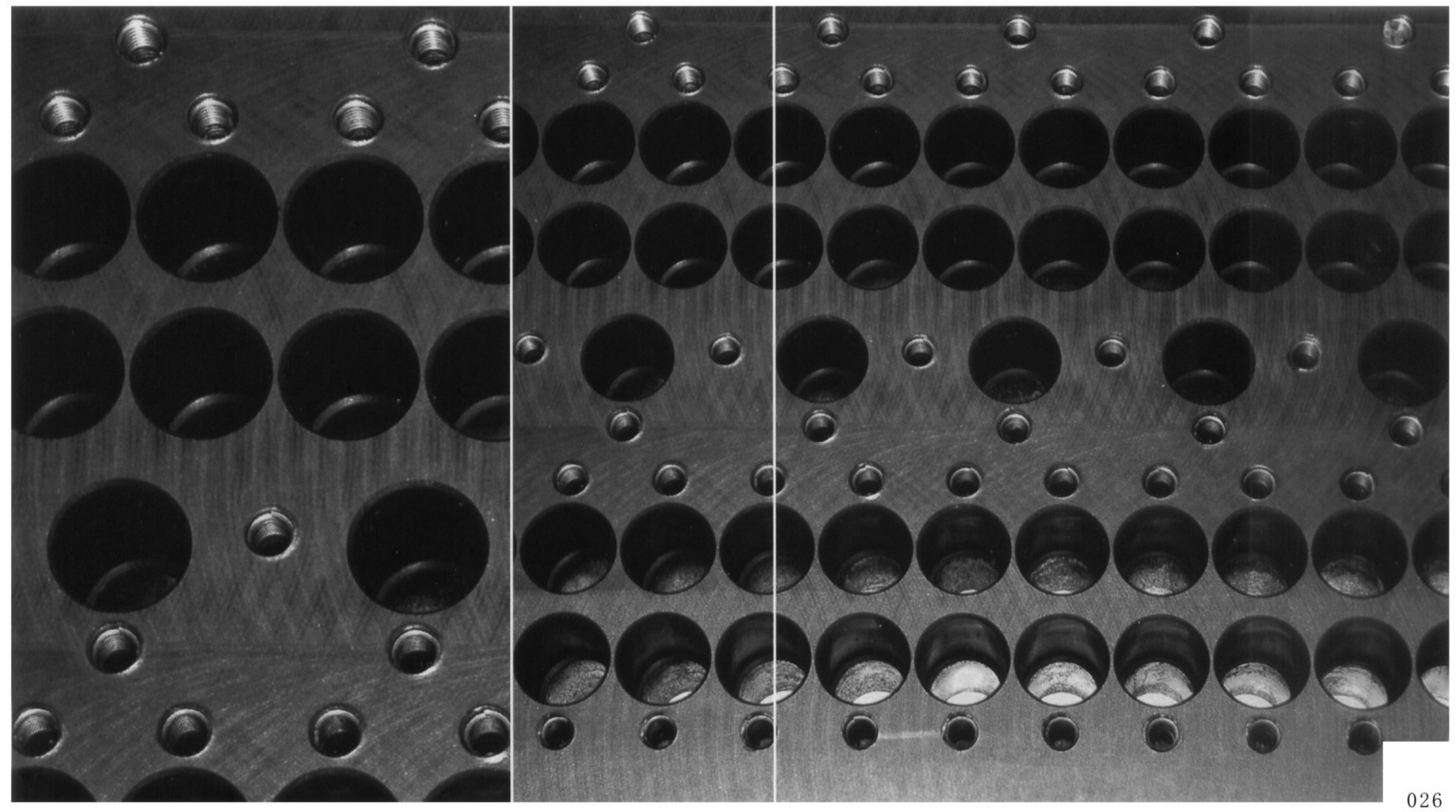
Modified Murpec® SP provides excellent slide properties in addition to good mechanical properties. This material variant also offers improved wear behaviour due to its special additives.

SPECIAL PROPERTIES

- **Better slide properties**
- **Increased wear resistance**
- **Very low expansion coefficient**
- **High temperature resistance**
- **Flame-resistant**
- **High compressive strength**
- **High resistance to energy radiation**
- **Excellent resistance to chemicals and heating steam**

POSSIBILITIES OF USE

- **Highly-stressed wear parts**
- **Sliding guides**
- **Slide bearings**



SHEET DIMENSIONS 尺寸表

Materials	Thickness	Width	Length	Thickness tolerance	Avail-ability
Original Material "S"® Green	2/3/4/5/6	1000	2000	+0/+0.8	●
	8 – 200	1000	2000	+0/+0.6	●
	2/4	1200	3000	+0/+0.8	○
	3/5/6	1200	3000	+0/+0.8	●
	8 – 60	1000	3000	+0/+0.6	●
	65 – 120	1000	3000	+0/+0.6	○
	10 – 50	1000	4000	+0/+0.6	○
Original Material "S"® Natural	2/3/4/5/6	1000	2000	+0/+0.8	●
	8 – 100	1000	2000	+0/+0.6	●
	110 – 200	1000	2000	+0/+0.6	○
	2/3/4/5/6	1200	3000	+0/+0.8	○
	8	1000	3000	+0/+0.6	○
	10 – 20	1000	3000	+0/+0.6	●
	25 – 120	1000	3000	+0/+0.6	○
Original Material "S"® Black Antistatic	2/3/4/5/6	1000	2000	+0/+0.8	●
	8 – 200	1000	2000	+0/+0.6	●
	2/3/4	1200	3000	+0/+0.8	○
	5/6	1200	3000	+0/+0.8	●
	8 – 50	1000	3000	+0/+0.6	●
	55 – 120	1000	3000	+0/+0.6	○
	10 – 50	1000	4000	+0/+0.6	○
Material "S"®1000 Green	2/3/4	1000	2000	+0/+0.8	○
	5/6	1000	2000	+0/+0.8	●
	8 – 110	1000	2000	+0/+0.6	●
	120 – 160	1000	2000	+0/+0.6	○
	2/3/4/5/6	1200	3000	+0/+0.8	○
	8	1000	3000	+0/+0.6	○
	10 – 50	1000	3000	+0/+0.6	●
	55 – 110	1000	3000	+0/+0.6	○
	10 – 50	1000	4000	+0/+0.6	○
Material "S"®1000 Black Antistatic	2/3/4/5	1000	2000	+0/+0.8	○
	6	1000	2000	+0/+0.8	●
	8 – 110	1000	2000	+0/+0.6	●
	120–160	1000	2000	+0/+0.6	○
	2/3/4/5/6	1200	3000	+0/+0.8	○
	8	1000	3000	+0/+0.6	○
	10 – 40	1000	3000	+0/+0.6	●
	50 – 110	1000	3000	+0/+0.6	○
	10 – 50	1000	4000	+0/+0.6	○
Original Material "S"®8000	8 – 80	1000	2000	+0/+0.6	●
	90 – 160	1000	2000	+0/+0.6	○
Original Material "S"® plus + GB	8/10 – 40	1000	2000	+0/+0.6	●
	50 – 110	1000	2000	+0/+0.6	○
Original Material "S"® plus + OIL	8/10 – 40	1000	2000	+0/+0.6	●
	50 – 110	1000	2000	+0/+0.6	○
Original Material "S"® plus + ESD	8/10 – 40	1000	2000	+0/+0.6	●
	50 – 110	1000	2000	+0/+0.6	○
Original Material "S"® plus + Bright ESD	8/10 – 40	1000	2000	+0/+0.6	●
	50 – 110	1000	2000	+0/+0.6	○
Original Material "S"® plus + AB	8/10 – 40	1000	2000	+0/+0.6	●
	50 – 110	1000	2000	+0/+0.6	○

SHEET DIMENSIONS 尺寸表

Materials	Thickness	Width	Length	Thickness tolerance	Avail-ability
Muralen® Natural	2 – 6	1000	2000	As per DIN EN 14632	●
	8 – 100	1000	2000	+0/+0.6	●
Muralen® plus + AB	8 – 110	1000	2000	+0/+0.6	○
Murlubric®	8 – 100	1000	2000	+0/+0.6	●
	110 – 160	1000	1000	+0/+0.6	○
Murylon® B Natural	3 – 60	1000	2000	As per DIN 16986	●
	70 – 100	610	2000	As per DIN 16986	●
Murylon® A Natural	8 – 60	610	2000	As per DIN 16986	○
Murylon® A GF	10 – 100	625	2000	As per DIN 16986	○
Murylon® 6 Cast Natural	8 – 100	1000	2000	As per DIN 16986	●
Murdopol®	10 – 100	1000	2000	As per DIN 16986	○
Murytal® C Natural	3 – 8	1000	2000	As per DIN 16986	●
	10 – 60	1000	2000	As per DIN 16986	●
	70 – 100	610	2000	As per DIN 16986	●
Murytal® C Black	5 – 8	1000	2000	As per DIN 16986	●
	10 – 60	1000	2000	As per DIN 16986	●
	70 – 100	610	2000	As per DIN 16986	●
Murytal® H Natural	8 – 50	610	2000	As per DIN 16986	○
Murytal® ESD	12 – 40	500	2000	As per DIN 16986	○
Murylat® Natural	8 – 100	610	2000	As per DIN 16986	○
Murylat® SP	8 – 100	610	2000	As per DIN 16986	○
Murylon® HT	10 – 40	610	2000	As per DIN 16986	●
	50	500	2000	As per DIN 16986	●
Murinyl®	10 – 80	610	2000	As per DIN 16986	○
Murflor®	3 – 50	1000	1000	As per GKV[1)]	●
	10 – 20	500	2000	As per GKV	●
Murflor® Carbon	10 – 40	1000	1000	As per GKV	○
Murflor® Bronze	10 – 40	1000	1000	As per GKV	○
Murdotec® SP	8/10	525	1000/2000	As per DIN 16986	○
	12 – 50	625	1000/2000	As per DIN 16986	○
Murpec®	5 – 25	1000	1000/2000	As per DIN 16986	○
	30 – 60	615	1000/2000	As per DIN 16986	○
Murpec® SP	5/6/8/10	525	1000/2000	As per DIN 16986	○
	16/18/20/25	625	1000/2000	As per DIN 16986	○
	30/35/40/45/50	625	1000/2000	As per DIN 16986	○

Sheet sizes in mm
Tolerances: Widths and lenghts ≥ + 0 mm or as per DIN 16986
Other colours and dimensions (thickness x width x length) and other pre-cut parts on request

1) German Federation of Plastics Processing Industries

● Stocked
○ Available within 10 days

For currently available sizes, see www.murtfeldt.com

ROD DIMENSIONS 棒料規格尺寸

Materials	Diameter	Graduations	Length	Ø tolerance	Avail-ability
Original Material ”S”® Green	10 – 100	5	1000	+0/+1	●
Semi-finished product as per DIN 16972 sheet group 2	100 – 200	10	1000	+0/+1	●
Original Material ”S”® Natural	10 – 30	5	1000	+0/+1	●
Semi-finished product as per DIN 16972 sheet group 2	30 – 170	10	1000	+0/+1	●
	170 – 200	10	1000	+0/+1	○
Original Material ”S”® Black Antistatic	10 – 100	5	1000	+0/+1	●
Semi-finished product as per DIN 16972 sheet group 2	100 – 200	10	1000	+0/+1	●
Material ”S”® 1000 Green	10 – 25	5	1000	+0/+1	○
	25 – 40	5	1000	+0/+1	○
	40 – 150	10	1000	+0/+1	○
Material ”S”® 1000 Black Antistatic	10 – 25	5	1000	+0/+1	○
	25 – 40	5	1000	+0/+1	○
	40 – 150	10	1000	+0/+1	○
Original Material ”S”® 8000	10 – 60	5	1000	+0/+1	○
	70 – 120	10	1000	+0/+1	○
Original Material ”S”® plus + GB	20 – 40	10	1000	+0/+1	○
Original Material ”S”® plus + OIL	20 – 40	10	1000	+0/+1	○
Original Material ”S”® plus + ESD	20 – 40	10	1000	+0/+1	○
Original Material ”S”® plus + Bright ESD	20 – 40	10	1000	+0/+1	○
Original Material ”S”® plus + AB	20 – 40	10	1000	+0/+1	○
Muralen® Natural	20 – 25	5	1000	As per DIN 16980	○
	30 – 60	5	1000	+0/+1	○
Murlubric®	10 – 100	5	1000	≥ +0 mm	●
	100 – 200	10	1000	≥ +0 mm	●
Murylon® B Natural	5 – 40	#	1000	As per DIN 16980	●
	40 – 100	5	1000	As per DIN 16980	●
	100 – 200	10	1000	As per DIN 16980	●
Murylon® A Natural	5 – 40	#	1000	As per DIN 16980	○
	40 – 100	5	1000	As per DIN 16980	○
	100 – 200	10	1000	As per DIN 16980	○
Murylon® A	10 – 30	5	1000	As per DIN 16980	○
	30 – 200	10	1000	As per DIN 16980	○
Murylon® 6 Cast Natural	50 –150	5	1000	As per DIN 16980	○
	150 – 200	10	1000	As per DIN 16980	○
Murdopol® (rods with and without steel core)	50 – 200	10	500	As per DIN 16980	○
Murytal® C Natural	3 – 40	#	1000	As per DIN 16980	●
	40 – 100	5	1000	As per DIN 16980	●
	100 – 200	10	1000	As per DIN 16980	●
Murytal® C Black	5 – 40	#	1000	As per DIN 16980	●
	40 – 100	5	1000	As per DIN 16980	●
	100 – 180	10	1000	As per DIN 16980	●
Murytal® H Natural	5 – 40	#	1000	As per DIN 16980	○
	40 – 100	5	1000	As per DIN 16980	○
	100 – 200	10	1000	As per DIN 16980	○
Murytal® ESD	30 – 60	10	1000	As per DIN 16980	○

Rod sizes in mm
Tolerances: Widths and lengths ≥ + 0 mm
or as per DIN 16986

Other colours and dimensions (diameter and length) and other pre-cut parts and round discs on request.
Irregular graduations; please state required ø. We will provide you with the suitable/next largest ø.

● Stocked
○ Available within 10 days

ROD DIMENSIONS 棒料規格尺寸

Materials	Diameter	Graduations	Length	Ø tolerance	Avail-ability
Murylat® Natural	10 – 210	#	1000	As per DIN 16980	○
Murylat® SP	10 – 150	#	1000	As per DIN 16980	○
Murylon® HT	10 – 30	5	1000	As per DIN 16980	○
	30 – 60	10	1000	As per DIN 16980	○
Murinyl®	10 – 200, 250	#	1000	As per DIN 16980	○
Murflor®	10 – 100	5	1000	As per GKV	●
	100 – 120	10	1000	As per GKV	●
Murflor® + Carbon	10 – 100	10	on request	As per GKV	○
Murflor® + Bronze	10 – 100	10	on request	As per GKV	○
Murdotec® SP	10 – 100	#	1000	As per DIN 16980	○
Murpec®	6 – 12	2	1000	As per DIN 16980	○
	16 – 22	2	1000	As per DIN 16980	○
	25 – 200	#	1000	As per DIN 16980	○
Murpec® SP	6 – 12	2	1000	As per DIN 16980	○
	16 – 100	#	1000	As per DIN 16980	○

Rod sizes in mm
Tolerances: Widths and lengths ≥ + 0 mm
or as per DIN 16986

Other colours and dimensions (diameter and length) and other pre-cut parts and round discs on request.
Irregular graduations; please state required ø. We will provide you with the suitable/next largest ø.

● Stocked
○ Available within 10 days

For currently available sizes, see www.murtfeldt.com

MATERIALS 德國

TECHNICAL MATERIALS - PART 1 材料具體技術參數–部分1

Characteristics

	Standard	Unit	Original Material"S"®	Original Material"S"® Black Antistatic	Material "S"®1000 Green
Material colour 材料顏色	-	-	Green/white	Black	Green
Catalogue page 目錄頁數	-	-	26	26	27
Code 代碼	ISO 1043-1	-	PE-UHM	PE-UHM	PE-UHM
Average molecular weight[7] 分子均重	-	g/mol	~5 x 10^6	~5 x 10^6	-
Density 密度	ISO 1183	kg/dm^3	≥ 0.93	≥ 0.93	≥ 0.93
Water absorption – saturation in standard atmosphere 23°C / 50% RH	ISO 62	%	< 0.01	< 0.1	< 0.01
吸水情況 – saturation in water		%	< 0.01	< 0.1	< 0.01
Mechanical properties[4] 機械特性					
Yield/break stress 制動力	ISO 527	MPa	≥ 17/-	≥ 17/-	≥ 15/-
Breaking elongation 制動力遲緩	ISO 527	%	≥ 300	≥ 300	≥ 200
Coefficient of elasticity (pulling test) 彈性系數(拉力測試)	ISO 527	MPa	700	700	950
Pressure test – compression strength at 1/2/5% nominal compression 壓力測試	ISO 604	MPa	4.5/8/14	5/9/15	6/10.5/18
Impact strength (Charpy) 吸震力	ISO 179	kJ/m^2	NB	NB	NB
Notch impact toughness (Charpy) 劃傷韌性	ISO 179	kJ/m^2	≥ 170	≥ 170	≥ 80
Indentation hardness 抗擊硬度	ISO-2039-1	MPa	38	40	38
Shore hardness D 支撐硬度	DIN 53505	°	66	64	61-65
Coefficient of sliding friction (dry) 幹摩擦系數	-	-	0.1-0.2	0.1-0.2	0.1-0.2
Sand Slurry test 沙泥漿測試	ISO 15527	%	100	110	130
Thermal properties 溫度特性					
Melting temperature 溶點	ISO 3146	°C	130-135	130-135	130-135
Glass transition temperature 屈服溫度	-	°C	-120	-120	-120
Heat conductivity at 23°C 傳熱在23℃以下	ISO 52612	W/(K x m)	0.4	0.4	0.4
Linear thermal coefficient of expansion α: 綫性膨脹系數:	ISO 11359				
– Average value between 23 and 60°C 平均值		m/(m x K)	20 x 10^{-5}	20 x 10^{-5}	20 x 10^{-5}
Upper service temperature in air: 在空氣中上限工作溫度:					
– Short-term service temperature[1] 短暫工作溫度	-	°C	90	90	90
– Constant: for 5000h[2] 常溫在5000h[2]下	-	°C	80	80	80
Lower service temperature[3] 下限工作溫度	-	°C	-200	-200	-150
Burning behaviour as per UL94 – sample thickness 3/6mm 耐火測試	-	-	HB	HB	HB
Electrical properties[4] 電器特性					
Electric strength[5] 抗電壓	IEC 60243	kV/mm	≥ 45	-	-
Specific contact resistance 接觸電阻	IEC 60093	Ohm x cm	> 10^{14}	≤ 10^6	> 10^{14}
Surface resistance 表面電阻	IEC 60093	Ohm	> 10^{13}	≤ 10^9	> 10^{13}
Relative permittivity: – At 100Hz	IEC 60250	-	2.1	-	-
電容率 – At 1MHz	IEC 60250	-	3.0	-	-
Dielectric loss factor tan δ: – At 100Hz	IEC 60250	-	0.00039	-	-
介電損失 – At 1MHz	IEC 60250	-	-	-	-
Physiological properties[6] 生物特性					
Approved for use in the food industry (EU and FDA) 食品級	-	-	+	+	-

	Material"S"® 1000 Black Antistatic	Original Material"S"® 8000	Original Material"S"® plus+GB	Original Material"S"® plus+OIL	Original Material"S"® plus+ESD	Original Material"S"® plus+Bright ESD	Original Material"S"® plus+AB	Muralen®/ Muralen®plus+AB
Material colour 材料顏色	Black	Anthracite	Light green	Aqua	Black	Light grey	Sky blue	White/light blue
Catalogue page 目錄頁數	27	28	29	30	31	32	33	34
Code 代碼	PE-UHM	PE-UHM	PE-UHM	PE-UHM	PE-UHM	PE-UHM	PE-UHM	PE-HM
Average molecular weight[7] 分子均重	-	~9 x 10^6	~9 x 10^6	~9 x 10^6	~5 x 10^6	~5 x 10^6	~5 x 10^6	~0.5 x 10^6
Density 密度	≥ 0.93	0.96	≥ 0.94	≥ 0.93	≥ 0.93	≥ 0.93	0.93	0.95
Water absorption – saturation in standard atmosphere 23°C / 50% RH	< 0.1	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01	< 0.01
吸水情況 – saturation in water	< 0.1	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01	< 0.01
Mechanical properties[4] 機械特性								
Yield/break stress 制動力	≥ 15/-	21/-	≥ -/29	≥ 19/25	≥ 20/25	≥ 20/25	≥ 17	20/-
Breaking elongation 制動力遲緩	≥ 150	360	≥ 300	≥ 380	≥ 370	≥ 370	> 300	> 600
Coefficient of elasticity (pulling test) 彈性系數(拉力測試)	950	750	700	570	750	750	700	1100
Pressure test – compression strength at 1/2/5% nominal compression 壓力測試	6/10.5/18	-	9.5/15/24	4.5/8/14	6/10.5/18	6/10.5/18	4.5/8/14	9/15/23
Impact strength (Charpy) 吸震力	NB	NB	NB	NB	NB	NB	NB	NB
Notch impact toughness (Charpy) 劃傷韌性	≥ 80	≥ 170	≥ 100	≥ 170	≥ 120	≥ 120	≥ 170	≥ 25
Indentation hardness 抗擊硬度	38	43	44	38	38	38	38	45
Shore hardness D 支撐硬度	61-63	65	65	63	63	63	66	67
Coefficient of sliding friction (dry) 幹摩擦系數	0.1-0.2	0.08-0.12	0.1-0.2	0.1-0.15	0.1-0.2	0.1-0.2	0.2	0.25
Sand Slurry test 沙泥漿測試	130	90	80	80	110	120	100	350
Thermal properties 溫度特性								
Melting temperature 溶點	130-135	130-135	130-135	130-135	130-135	130-135	130-135	130-135
Glass transition temperature 屈服溫度	-120	-120	-120	-120	-120	-120	-120	-120
Heat conductivity at 23°C 傳熱在23℃以下	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Linear thermal coefficient of expansion α: 綫性膨脹系數:								
– Average value between 23 and 60°C 平均值	20 x 10^{-5}	17 x 10^{5}	17 x 10^{-5}	20 x 10^{-5}	20 x 10^{-5}	20 x 10^{-5}	20 x 10^{5}	20 x 10^{-5}
Upper service temperature in air: 在空氣中上限工作溫度:								
– Short-term service temperature[1] 短暫工作溫度	90	90	90	90	90	90	90	90
– Constant: for 5000h[2] 常溫在5000h[2]下	80	80	80	80	80	80	80	80
Lower service temperature[3] 下限工作溫度	-150	-200	-200	-200	-150	-150	-200	-100
Burning behaviour as per UL94 – sample thickness 3/6mm 耐火測試	HB	HB	HB	HB	HB	HB	HB	HB
Electrical properties[4] 電器特性								
Electric strength[5] 抗電壓	-	≥ 45	≥ 45	≥ 45	-	-	≥ 45	≥ 45
Specific contact resistance 接觸電阻	≤ 10^6	> 10^{16}	> 10^{15}	> 10^{15}	≤ 10^4	≤ 10^5	> 10^{14}	> 10^{14}
Surface resistance 表面電阻	≤ 10^9	> 10^{13}	> 10^{13}	> 10^{13}	≤ 10^4	≤ 10^5	> 10^{13}	> 10^{13}
Relative permittivity: – At 100Hz	-	-	-	-	-	-	-	2.4
電容率 – At 1MHz	-	-	-	-	-	-	-	2.4
Dielectric loss factor tan δ: – At 100Hz	-	-	-	-	-	-	-	0.0002
介電損失 – At 1MHz	-	-	-	-	-	-	-	0.0002
Physiological properties[6] 生物特性								
Approved for use in the food industry (EU and FDA) 食品級	-	-	+	+	+	-	+	+

The material characteristic tables, which are based on data from our suppliers of raw materials, are intended to help you to quickly compare/select a material. The values stated are short-term values that can be affected by processing, environmental, and application conditions. The customer is solely responsible for the suitability of the selected material for the specific application.

LEGEND

- \+ Dry
- ++ Air-moist (saturation in standard atmosphere of 23°C / 50% RH)

RH Relative humidity
NB No break

1) Temperature stress for several hours; no or low mechanical stress (short-term service temperature)
2) Temperature stress for 5000h; then reduction (approx 50%) of tensile strength of initial value (constant: for 5000h)
3) As the temperature decreases, the impact strength drops. The specified values are based on the most unfavourable impact load possible and do not represent absolute practical limits (lower service temperature)
4) The mechanical and electrical characteristics are based on a test temperature of 23°C
5) The electric strength can be up to 50% lower than for natural coloured materials (for black Murylon® B, Murylon® A, Murytal® C/H, and Murylat®)
6) In the case of materials marked with "+", raw materials that meet the requirements of Directive 2002/72/EC, the German Federal Institute for Risk Assessment, and the FDA directives are used (approved for use in the food industry)
7) Sheet group classification as per DIN 16972

Chemical resistance of our materials:
For a detailed selection chart, see our Internet pages at www.murtfeldt.com.

TECHNICAL MATERIALS - PART 2 材料具體技術參數–部分2

Characteristics

		Standard	Unit	Murlubric®	Murylon® B	Murylon® A	Murylon® A GF	Murylon® 6 Cast	Murdopol®	Murytal® C	Murytal® H	Murytal® ESD
Material colour 材料顏色		-	-	Black	White	Beige	Black	Beige	Beige	White/black	White	Black
Catalogue page 目錄頁數		-	-	35	36	36	37	37	38	39	39	39
Code 代碼		ISO 1043-1	-	PA 6-Cast Oil	PA 6	PA 66	PA 66-GF	PA 6-C	PA 12-C	POM-C	POM-H	POM-C
Density 密度		ISO 1183	kg/dm^3	1.14	1.14	1.14	1.29	1.15	1.03	1.41	1.43	1.45
Water absorption 吸水情况		ISO 62										
– after 24 / 96h storage in water at 23°C			%	0.6/1.2	1.28/2.5	0.6/1.13	0.39/0.74	0.65/1.22	-	0.24/0.45	0.21/0.43	0.2/0.4
– saturation in standard atmosphere of 23°C / 50% RH			%	2	2.6	2.4	1.7	2.2	0.9	0.2	0.2	0.3
– saturation in water			%	6.3	9	8	5.5	6.5	1.4	0.85	0.85	0.85
Mechanical properties[4] 機械特性												
Yield/break stress	+	ISO 527	MPa	80/-	76/-	90/-	-/100	85/-	60/-	68/-	78/-	50/-
制動力	++			50/-	45/-	55/-	-/75	55/-	50	-	-	-
Breaking elongation	+	ISO 527	%	50	› 50	› 40	5	25	55	35	35	15
制動力遲緩	++			-	› 100	› 100	12	› 50	120	-	-	-
Coefficient of elasticity 彈性系數(拉力測試)	+	ISO 527	MPa	3000	3250	3450	5900	3500	2200	3100	3600	2300
(pulling test)	++			1700	1400	1650	3200	1700	1800	-	-	-
Pressure test – compression strength at 1/2/5 % nominal compression 壓力測試	+	ISO 604	MPa	22/43/79	24/46/80	25/49/92	28/55/90	26/51/92	-	19/35/67	22/40/75	-
Time-dependent creep tensile test, stress leading to an 拉伸測試	+	ISO 899	MPa	-	18	20	26	22	-	13	15	-
elongation of 1% after 1000h at 23°C	++		MPa	-	7	8	18	10	-	-	-	-
Impact strength (Charpy) 吸震力	+	ISO 179	kJ/m^2	NB	NB	NB	≥ 50	NB	NB	≥ 150	≥ 200	-
Notch impact toughness (Charpy) 劃傷韌性	+	ISO 179	kJ/m^2	›50	5.5	4.5	6	3.5	4-20	7	10	5
Indentation hardness 抗擊硬度	+	ISO 2039-1	-	140	150	160	165	165	106	140	160	100
Shore hardness D 支撐硬度	+	DIN 53505	MPa	75	76	81	82-83	77	78	81	83	-
Coefficient of sliding friction (dry) 幹摩擦系數	+	-	-	0.18	0.35	0.30	0.35	0.30	0.35	0.3	0.34	0.3
Sand Slurry test 沙泥漿測試	+	-	µm/km	0.05	0.23	0.10	0.28	0.12	0.8	8.9	-	-
Thermal properties 温度特性												
Melting temperature 溶點		ISO 3146	°C	220	220	255	255	220	181	165	175	165
Glass transition temperature 屈服温度		-	°C	50	50	60	60	50	-	-50	-50	-50
Heat conductivity at 23°C 傳熱在23℃以下		ISO 52612	W/(K x m)	0.23	0.28	0.28	0.30	0.29	0.23	0.31	0.31	0.31
Linear thermal coefficient of expansion α: 綫性膨脹系數:		ISO 11359										
– Average value between 23 and 60°C		-	m/(m x K)	8 x 10^{-5}	9 x 10^{-5}	8 x 10^{-5}	5 x 10^{-5}	8 x 10^{-5}	10-15 x 10^{-5}	11.0 x 10^{-5}	9.5 x 10^{-5}	11 x 10^{-5}
– Average value between 23 and 100°C		-	m/(m x K)	9 x 10^{-5}	10.5 x 10^{-5}	9.5 x 10^{-5}	6 x 10^{-5}	9 x 10^{-5}	10-18 x 10^{-5}	12.5 x 10^{-5}	11 x 10^{-5}	12.5 x 10^{-5}
Upper service temperature in air: 在空氣中上限工作温度:												
– Short-term service temperature[1] 短暫工作温度		-	°C	165	160	180	240	170	150	140	150	140
– Constant: for 5000h[2] 常温在5000h[2]下		-	°C	105	85	95	120	105	120	115	105	105
Lower service temperature[3] 下限工作温度		-	°C	-40	-40	-30	-20	-30	-60	-50	-50	-20
Burning behaviour as per UL94 – sample thickness 3/6mm 耐火測試		-	-	HB/HB	HB/HB	HB/V-2	HB/HB	HB/HB	HB	HB/HB	HB/HB	HB/HB
Electrical properties[4] 電器特性												
Electric strength[5]	+	IEC 60243	kV/mm	22	25	27	30	25	50	20	20	-
抗電壓	++			14	16	18	20	17	20	-	-	-
Specific contact resistance	+	IEC 60093	Ohm x cm	› 10^{14}	› 10^{14}	› 10^{14}	› 10^{14}	› 10^{14}	› 10^{15}	› 10^{14}	› 10^{14}	≤ 10^{4}
接觸電阻	++			› 10^{12}	› 10^{12}	› 10^{12}	› 10^{12}	› 10^{13}	› 10^{12}	-	-	-
Surface resistance	+	IEC 60093	Ohm	› 10^{13}	› 10^{13}	› 10^{13}	› 10^{13}	› 10^{13}	› 10^{13}	› 10^{13}	› 10^{13}	≤ 10^{4}
表面電阻	++			› 10^{12}	› 10^{12}	› 10^{12}	› 10^{12}	› 10^{12}	› 10^{12}	-	-	-
Relative permittivity: – At 100Hz	+	IEC 60250	-	3.5	3.9	3.8	3.9	3.6	3.5 (At 50Hz)	3.8	3.8	-
電容率	++		-	6.5	7.4	7.4	6.9	6.6	-	-	-	-
– At 1MHz	+	IEC 60250	-	3.1	3.3	3.3	3.6	3.2	-	3.8	3.8	-
	++		-	3.6	3.8	3.8	3.9	3.7	-	-	-	-
Dielectric loss factor tan δ: – At 100Hz	+	IEC 60250	-	0.015	0.019	0.013	0.012	0.012	0.038 (At 50Hz)	0.003	0.003	-
介電損失	++		-	0.15	0.13	0.13	0.19	0.14	-	-	-	-
– At 1MHz	+	IEC 60250	-	0.016	0.021	0.02	0.014	0.016	-	0.008	0.008	-
	++		-	0.05	0.06	0.06	0.04	0.05	-	-	-	-
Physiological properties[6] 生物特性												
Approved for use in the food industry (EU and FDA) 食品級		-	-	-	+	+	-	On request	-	+/-	+	-

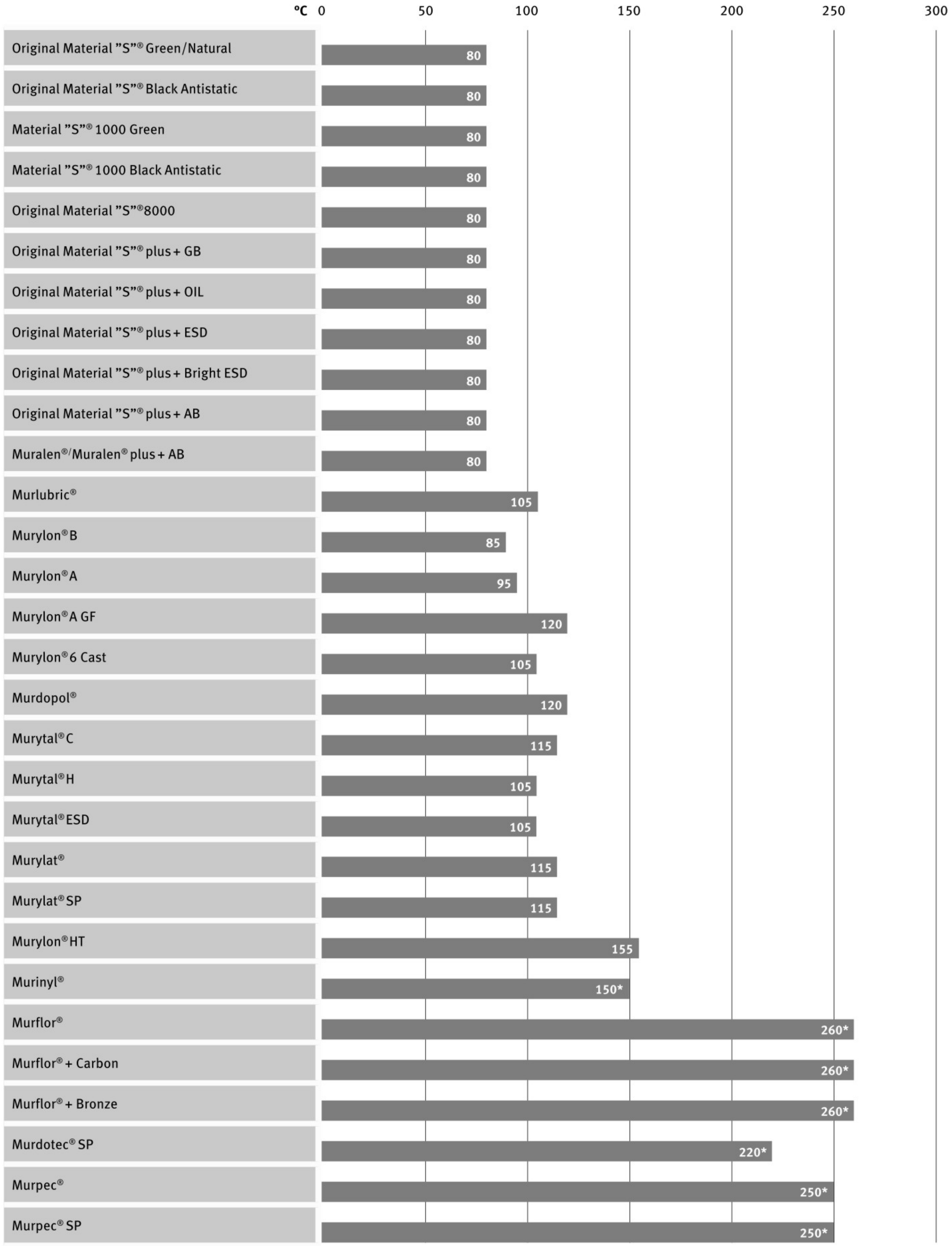
HIGH-PERFORMANCE MATERIALS 高性能材料具體技術參數 Characteristics

		Norm	Unit	Murylat®	Murylat® SP	Murylon® HT	Murinyl®	Murflor®	Murflor® + Carbon (25Š)	Murflor® + Bronze (60%)	Murdotec® SP	Murpec®	Murpec® SP
Material colour 材料顏色		-	-	White/black	Light grey	Auburn	White	White	Black	Bronze	Dark blue	Beige	Black
Catalogue page 目錄頁數		-	-	40	40	41	42	43	44	44	45	46	47
Code 代碼		ISO 1043-1	-	PETP	PETP-SP	PA 4.6	PVDF	PTFE	PTFE-C	PTFE CuSn	PPS-SP	PEEK	PEEK-SP
Density 密度		ISO 1183	kg/dm^3	1.39	1.44	1.18	1.79	2.18	2.10	3.88	1.43	1.31	1.45
Water absorption 吸水情況		ISO 62											
– after 24 / 96h storage in water at 23°C			%	0.07/0.16	0.06/0.13	1.3/2.6	0.01/0.03	-	-	-	0.01/0.03	0.06/0.12	0.05/0.11
– saturation in standard atmosphere of 23°C / 50% RH			%	0.25	0.23	2.8	0.05	-	-	-	0.03	0.2	0.14
– saturation in water			%	0.5	0.47	9.5	0.05	-	-	-	0.09	0.45	0.3
Mechanical properties[4] 機械特性													
Yield/break stress	+	ISO 527	MPa	90/-	-/76	100/-	50/-	20/-	15/-	14/-	-/75	110/-	-/75
制動力	++			90/-	-/76	55/-	-	-	-	-	-	-	-
Breaking elongation	+	ISO 527	%	15	7	25	› 20	300	180	140	5	20	5
制動力遲緩	++			15	7	› 100	-	-	-	-	-	-	-
Coefficient of elasticity 彈性系數(拉力測試)	+	ISO 527	MPa	3700	3450	3300	2300	750	-	-	3700	4250	5900
(pulling test)	++			3700	3450	1300	-	-	1270	1380	-	-	-
Pressure test – compression strength at 1/2/5% nominal compression 壓力測試	+	ISO 604	MPa	26/51/103	24/47/95	23/45/94	17/32/-	4.5/-/-	10/-/-	10.5/-/-	28/55/-	29/57/-	34/67/-
Time-dependent creep tensile test, stress leading to an 拉伸測試	+	ISO 899	MPa	26	23	22	10	-	-	-	36	32	55
elongation of 1% after 1000h at 23°C	++			26	23	7.5	-	-	-	-	-	-	-
Impact strength (Charpy) 吸震力	+	ISO 179	kJ/m^2	≥ 50	≥ 30	NB	NB	NB	-	-	25	NB	25
Notch impact toughness (Charpy) 劃傷韌性	+	ISO 179	kJ/m^2	2	2.5	8	10	16	8	11	3.5	3.5	2.5
Indentation hardness 抗擊硬度	+	ISO 2039-1	MPa	170	160	165	110	22	37	37	180	230	215
Shore hardness D 支撐硬度	+	DIN 53505	°	81	81	80	78	58	67	68	81	87	87
Coefficient of sliding friction (dry) 幹摩擦系數	+	-	-	0.30	0.18	0.34	0.35	0.08	0.12	0.14	0.20	0.20	0.15
Sand Slurry test 沙泥漿測試	+	-	μm/km	-	0.05	-	21	21	1.0	0.5	0.1	0.30	0.05
Thermal properties 溫度特性													
Melting temperature 溶點		ISO 3146	°C	255	255	295	175	321	330	330	280	340	340
Glass transition temperature 屈服溫度		-	°C	70	70	80	-	127	127	127	100	143	143
Heat conductivity at 23°C 傳熱在23℃以下		ISO 52612	W/(k x m)	0.29	0.29	0.30	0.19	0.23	0.64	0.74	0.30	0.25	0.24
Linear thermal coefficient of expansion α: 綫性膨脹系數:		ISO 11359											
– Average value between 23 and 60°C			m/(m x K)	6×10^{-5}	6.5×10^{-5}	8×10^{-5}	13.0×10^{-5}	-	-	-	5×10^{-5}	5×10^{-5}	3.5×10^{-5}
– Average value between 23 and 100°C			m/(m x K)	8×10^{-5}	8.5×10^{-5}	9×10^{-5}	14.5×10^{-5}	16×10^{-5}	9.5×10^{-5}	9.5×10^{-5}	6×10^{-5}	5.5×10^{-5}	4×10^{-5}
– Average value above 150°C			m/(m x K)	-	-	-	-	-	-	-	10×10^{-5}	13×10^{-5}	8.5×10^{-5}
Upper service temperature in air: 在空氣中上限工作溫度:													
– Short-term service temperature[1]		-	°C	160	160	200	160	300	300	300	260	310	310
– Constant: for 5000/20000h[2]		-	°C	115/100	115/100	155/135	-/150	-/260	-/260	-/260	-/220	-/250	-/250
Lower service temperature[3] 下限工作溫度		-	°C	-20	-20	-40	-50	-200	-200	-200	-20	-60	-30
Burning behaviour as per UL94 – sample thickness 1.5/3mm		-	-	-	-	-	V-0/V-0	V-0/V-0	V-0/V-0	V-0/V-0	V-0/V-0	V-0/V-0	V-0/V-0
– sample thickness 3/6mm		-	-	HB/HB	HB/HB	HB/HB	-	-	-	-	-	-	-
Electrical properties[4] 電器特性													
Electric strength[5]	+	IEC 60243	kV/mm	22	21	25	18	20	-	-	24	24	-
抗電壓	++			22	21	15	-	-	-	-	-	-	-
Specific contact resistance	+	IEC 60093	Ohm x cm	$> 10^{15}$	$> 10^{15}$	$> 10^{14}$	10^{14}	10^{17}	10^{3}-10^{6}	-	$>10^{14}$	$>10^{14}$	-
接觸電阻	++			$> 10^{15}$	$> 10^{15}$	$> 10^{12}$	-	-	-	-	-	-	-
Surface resistance	+	IEC 60093	Ohm	$> 10^{14}$	$> 10^{14}$	$> 10^{13}$	10^{13}	10^{15}	10^{3}-10^{6}	-	$>10^{13}$	$>10^{13}$	-
表面電阻	++			$> 10^{14}$	$> 10^{14}$	$> 10^{12}$	-	-	-	-	-	-	-
Relative permittivity: – At 100Hz	+	IEC 60250	-	3.4	3.4	3.8	7.4	2.0	-	-	3.3	3.2	-
電容率	++		-	3.4	3.4	7.4	-	-	-	-	-	-	-
– At 1MHz	+	IEC 60250	-	3.2	3.2	3.4	6	2.1	-	-	3.3	3.2	-
	++		-	3.2	3.2	3.8	-	-	-	-	-	-	-
Dielectric loss factor tan δ: – At 100Hz	+	IEC 60250	-	0.001	0.001	0.009	0.025	‹ 0.0003	-	-	0.003	0.001	-
介電損失	++		-	0.001	0.001	0.13	-	-	-	-	-	-	-
– At 1MHz	+	IEC 60250	-	0.014	0.014	0.019	0.165	‹ 0.0001	-	-	0.003	0.002	-
	++		-	0.014	0.014	0.06	-	-	-	-	-	-	-
Physiological properties[6] 生物特性													
Approved for use in the food industry (EU and FDA) 食品級		-	-	+/-	+	-	+	+	-	-	+	+	-

CONSTANT SERVICE TEMPERATURES IN °C (for 5000h) *(for 20000h)

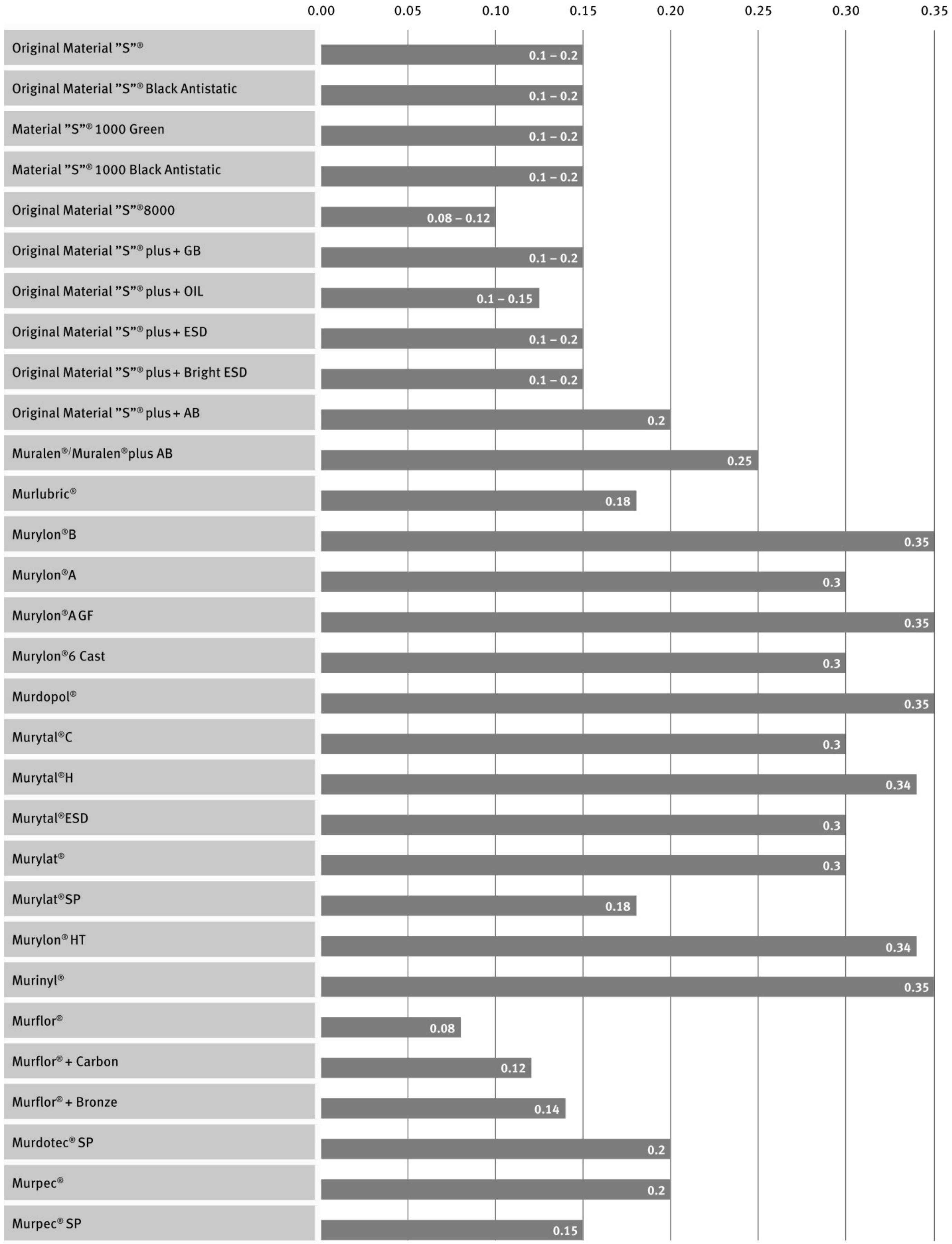
適用于常温情况℃

Comparison of Materials



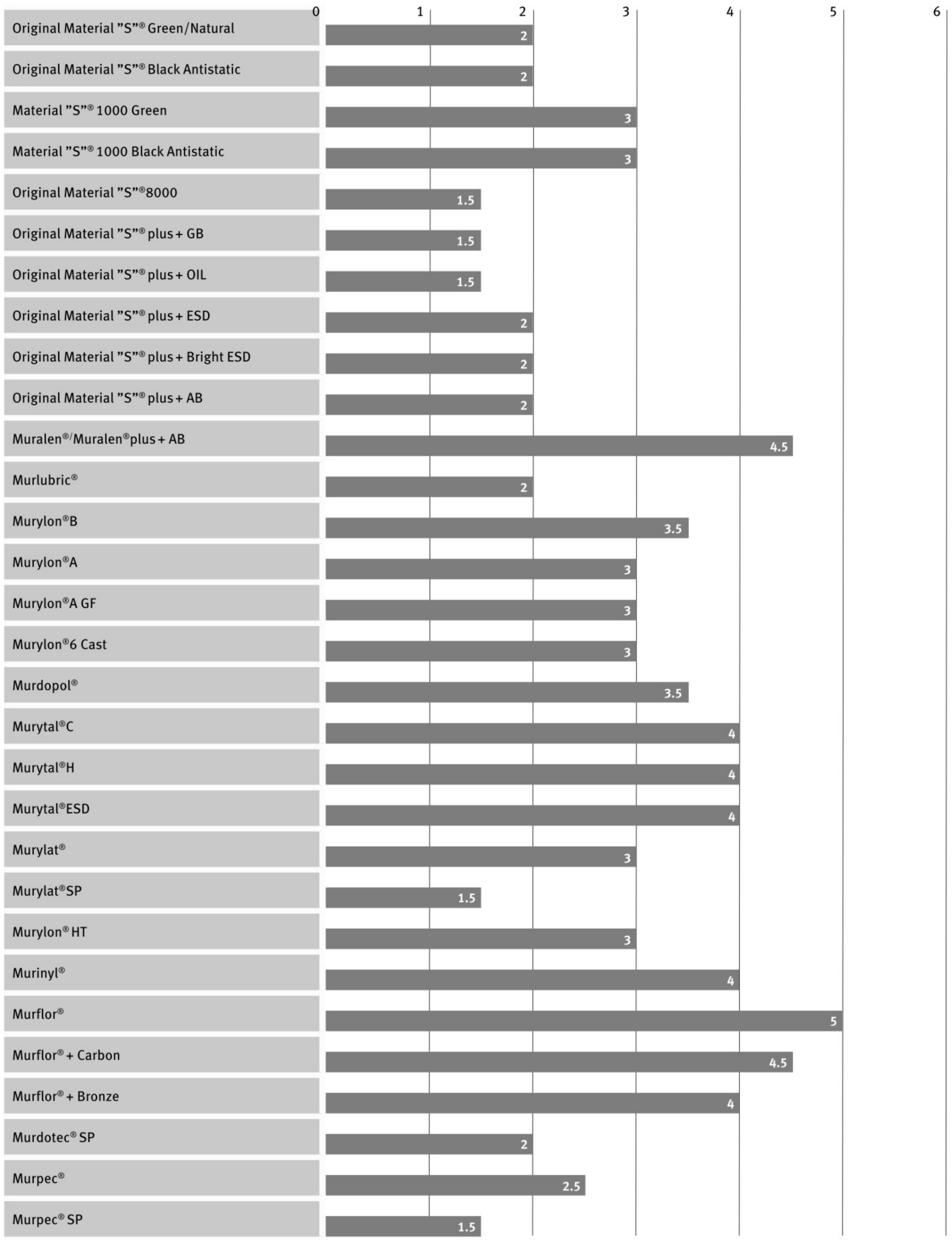
SLIDING FRICTION COEFFICIENT 滑動摩擦系數

Comparison of Materials



WEAR RESISTANCE 磨損阻尼

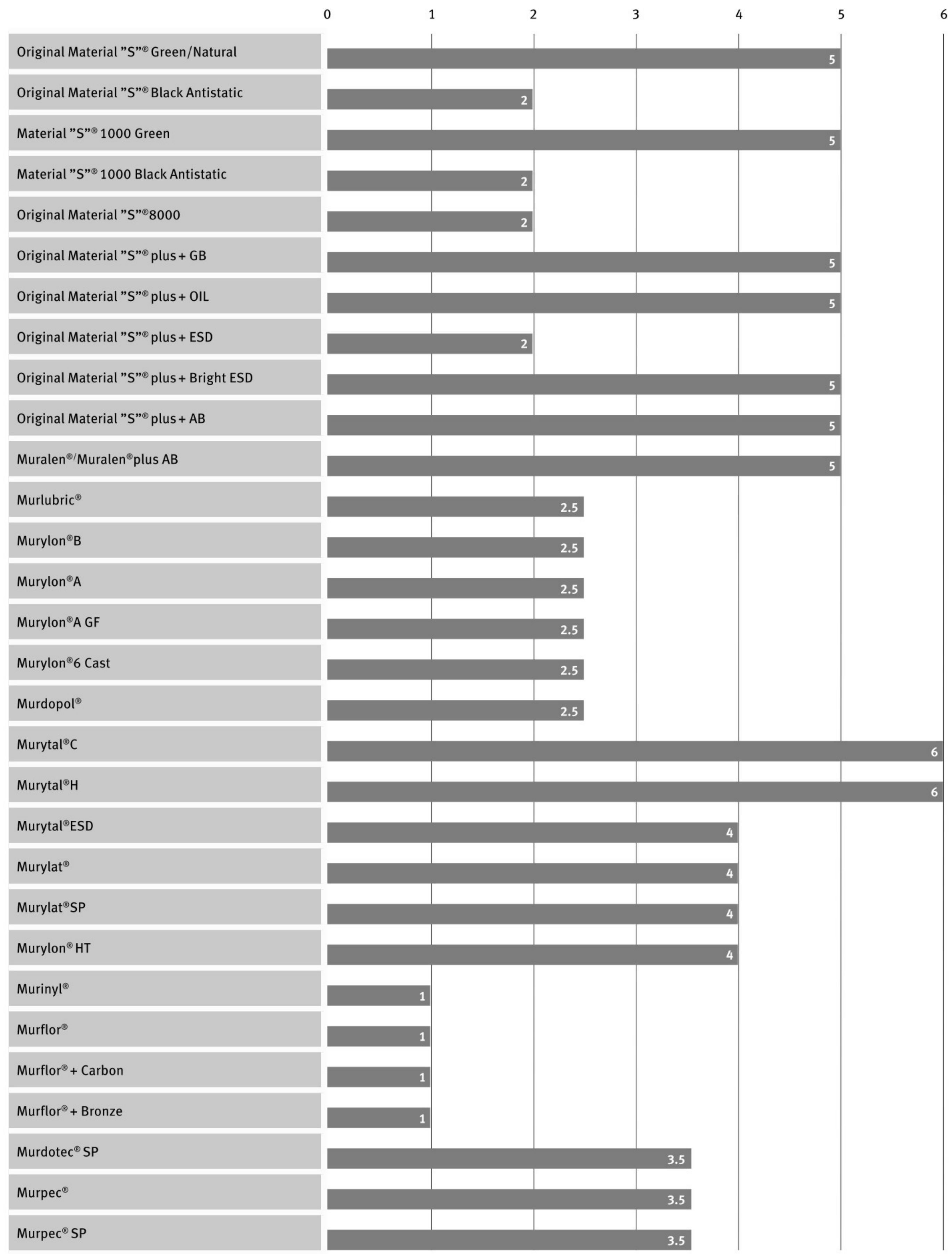
Comparison of Materials



1 = excellent, 6 = less good

UV RESISTANCE UV紫外綫阻尼

Comparison of Materials

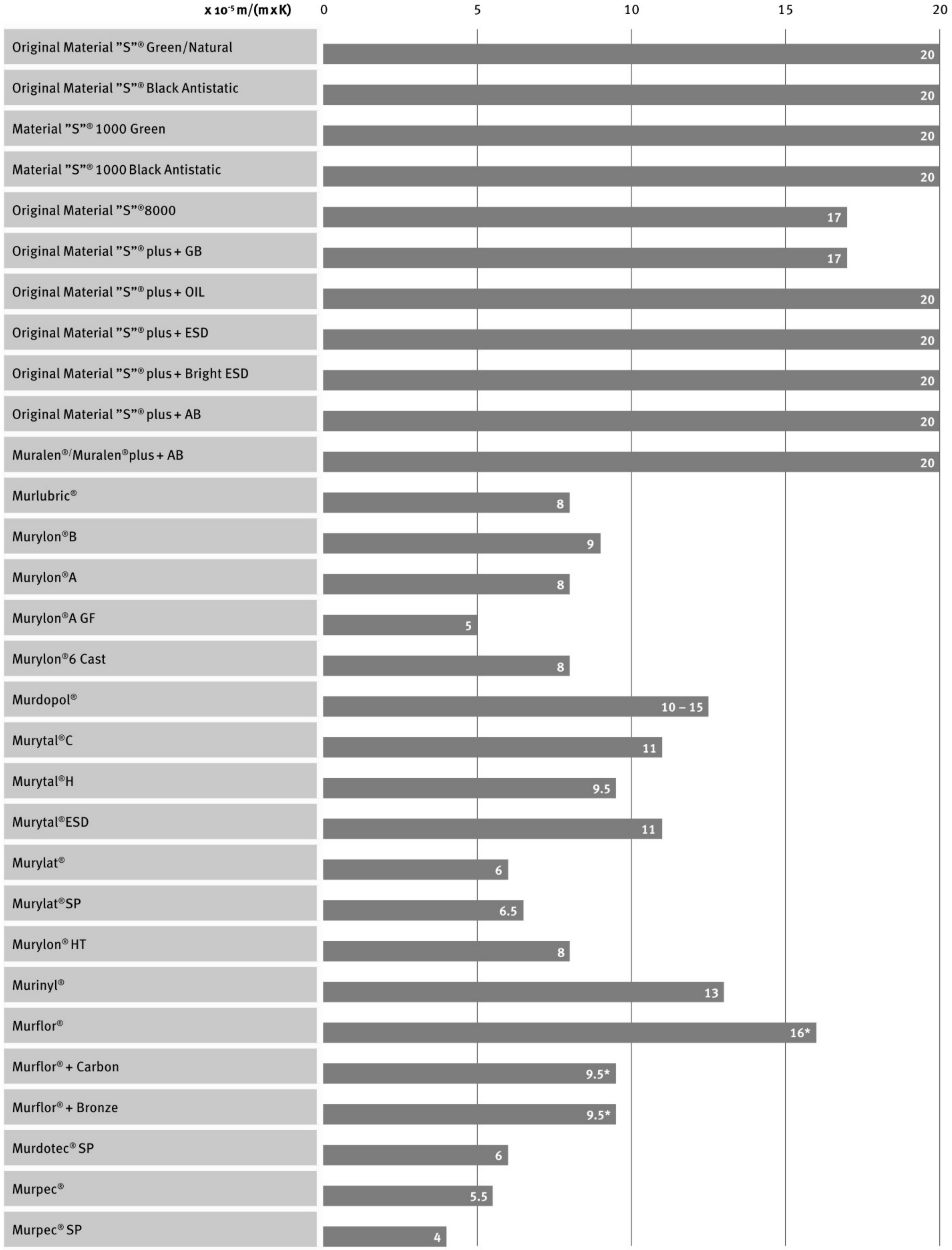


1 = excellent, 6 = less good

αK COEFFICIENT OF EXPANSION (between 23 and 60°C) *(between 23 and 100°C)

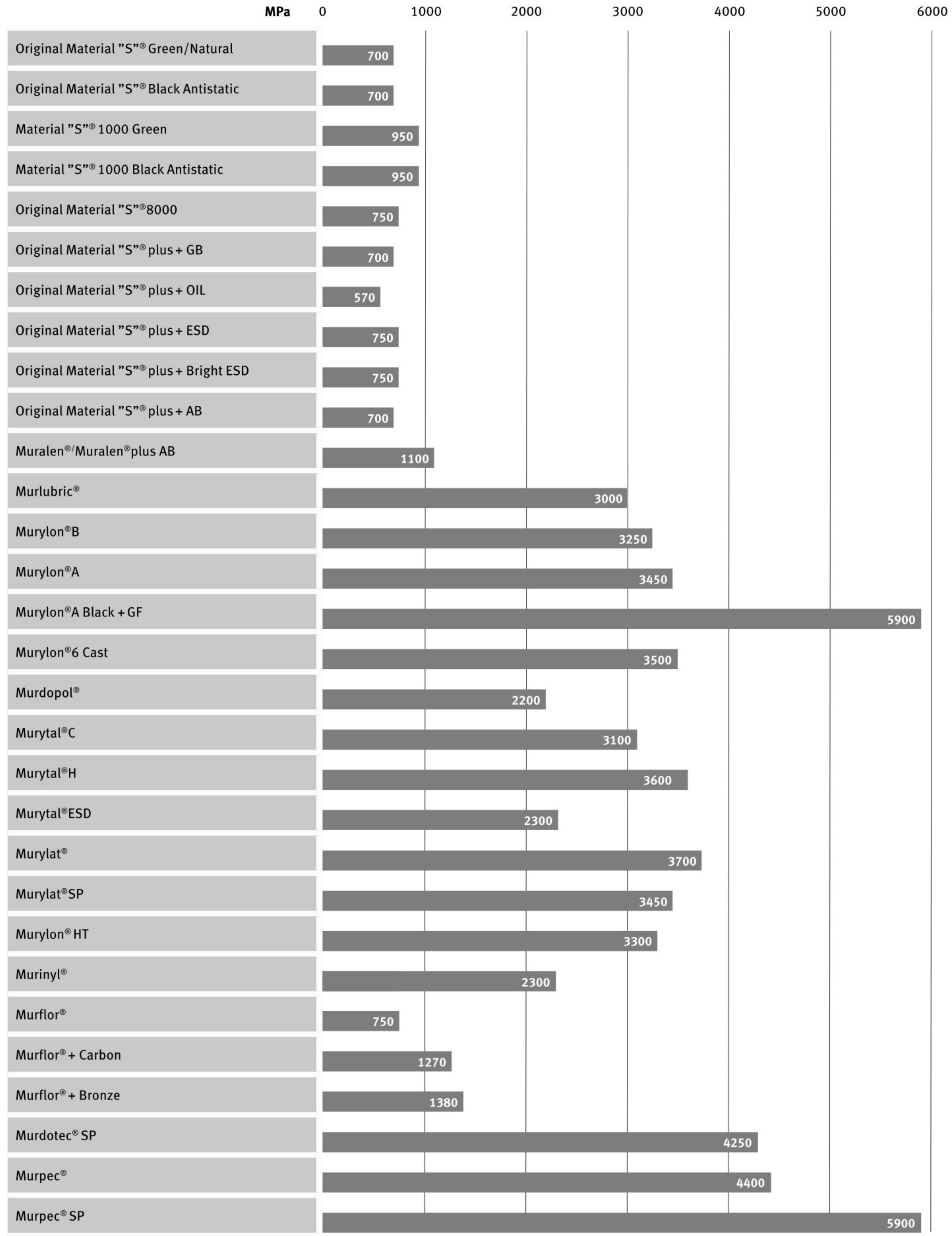
膨脹系數

Comparison of Materials



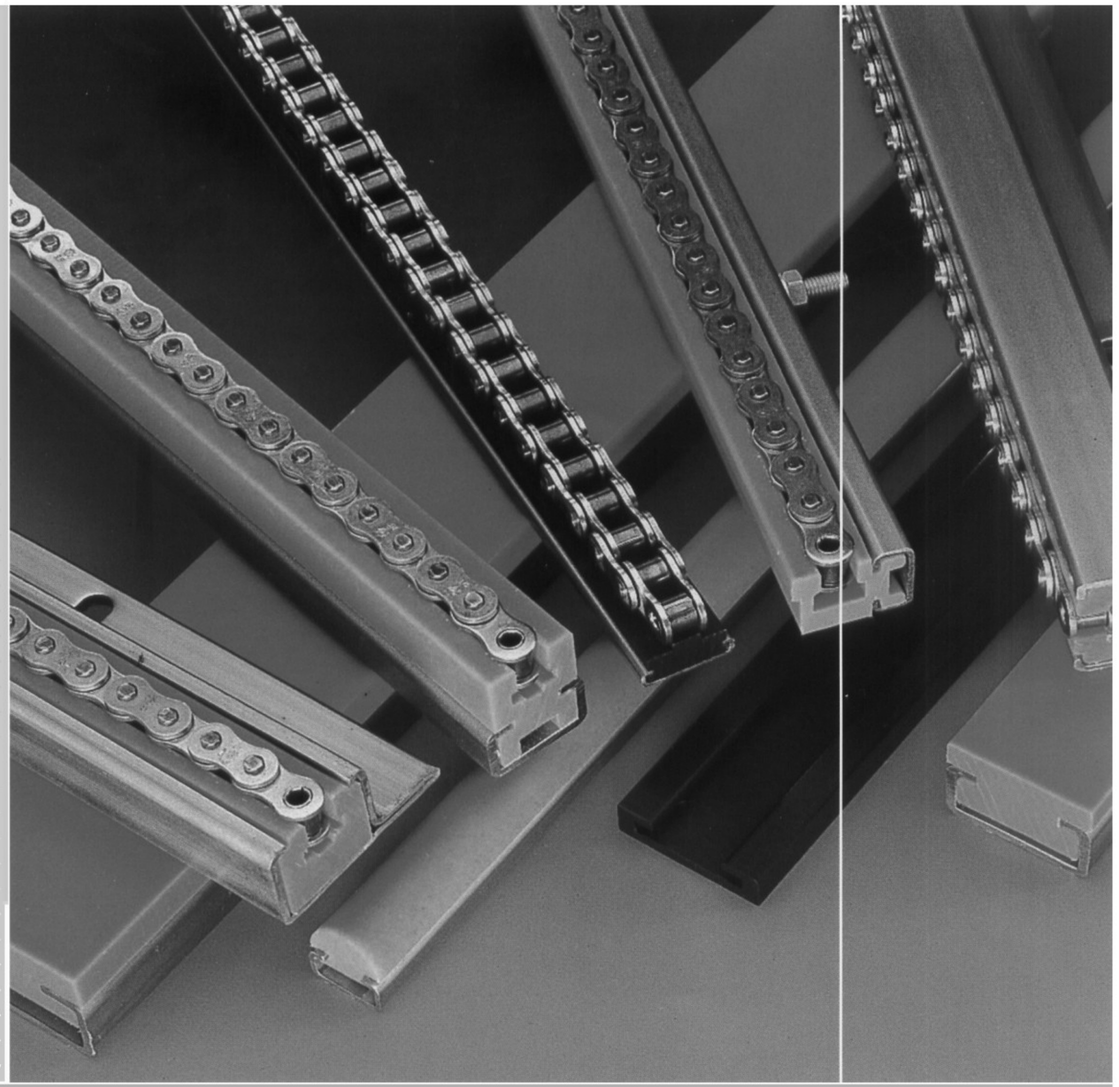
E COEFFICIENT OF ELASTICITY 彈性系數

Comparison of Materials



大中華總代理

Murtfeldt 德國高精度耐磨鏈條導軌



鏈條, 皮帶, 滑動導軌
CHAIN, BELT, AND SLIDING GUIDES

CHAIN, BELT, AND SLIDING GUIDES – TABLE OF CONTENTS
鏈條、皮帶、滑動導軌 – 目録表

CHAIN, BELT, AND SLIDING GUIDES
鏈條、皮帶滑動導軌

鏈條導軌 Chain guides

當有摩擦的時候，就會有勞損，特別是在金屬物料的應用。例如，當金屬與金屬之間有摩擦時，定時的潤滑是必須的，希望可以既使用順暢寧静，又耐用可靠。

Where there is friction, there is wear. This is especially the case for applications where metallic materials are used. For example, for chains that run on metal guides, regular lubrication is absolutely vital. The aim is to achieve quiet, smooth running and long-term functional reliability.

德國 " 梅富 " 牌高精度鏈條導軌可以保護鏈條，確保鏈條達到最佳操作效能，同時具有高耐摩特性。材料"S"和另一經濟的選擇材料"S"1000均具有理想的材料特性，非常適合應用于滾子鏈條導向。

Murtfeldt chain guides protect your chains. They guarantee optimum running properties at the same time as extremely high wear resistance. The tried-and-tested Material "S"® and the economical alternative "S"®1000 have ideal material properties that make them well-suited for use as guides for roller and round link chains.

庫存及個別生產 Stock and individual production

我們的工廠庫存各種類型的滾子鏈條導軌（DIN8187)及鏈扣導軌(DIN766/764)。

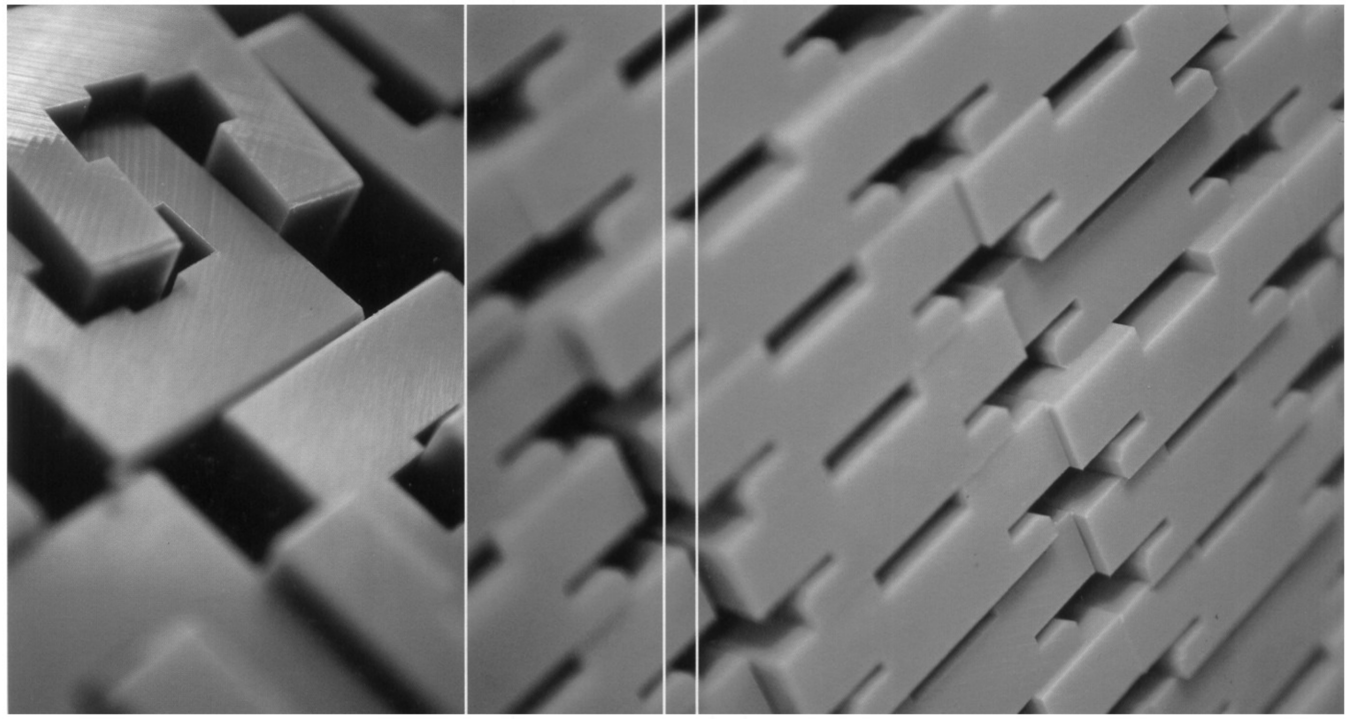
Our warehouse stocks an extensive range of guides for roller chains that comply with DIN 8187 and round link chains that comply with DIN 766 and DIN 764.

此外，我們的工廠也可根據客户的要求制造不同尺寸的導軌。

In addition, we can manufacture economical and reliable special guides in accordance with your specifications – even in small lot sizes.

德國梅富牌鏈條導軌的好處
Advantages of Murtfeldt chain guides

- **高耐摩**
High wear resistance
- **優越的滑動特性**
Very good slide properties
- **自潤滑（無需格外進行潤滑）**
Self-lubricating (no need for any oil lubrication at all)
- **抗衝擊破損，即使環境溫度極低(最低 –250℃)**
Extremely impact and break resistant, even at very low temperatures (up to -250°C)
- **抗化學物**
High chemical resistance
- **具吸震功能**
Vibration-reducing properties
- **不吸濕**
No moisture absorption
- **抗腐蝕**
No corrosion
- **可應用于食品工業(EU及FDA認證)**
Approved for use in the food industry (EU and FDA)



CONSTRUCTION WITH PLASTIC GUIDES
導軌安裝要領

在决定使用熱塑性物料前需要仔細的考慮，環境因素對導軌材料的選擇有直接的影響，選型前請先回答以下問題：

Construction using thermoplastics requires careful consideration beforehand. The conditions of use have a direct influence on the material selection and design of the plastic guides. You should answer the following questions in advance:

- **導軌會應用于動態或是静態的負載**？
To what static and dynamic loads will the guide be exposed?
- **導軌是否應用于以下環境因素，如化學品、冷或熱水、蒸氣、其他污染物**？
To what environmental factors, such as chemicals, hot or cold water, steam, or contaminants will the material be exposed?
- **導軌會與食物有直接的接觸嗎**？
Will there be direct contact with foods?
- **工作環境溫度是多少**？
How high is the working temperature?
- **導軌鋼槽與導軌是怎樣的安裝（螺絲鎖緊或套入）**？
How is the guide to be attached to a C profile (screwed on or inserted)?

與金屬材料比較，熱塑性物料有更高的直綫熱擴張系數。

In comparison with metallic materials, thermoplastics have a higher coefficient of linear thermal expansion.

計算方式 Calculation

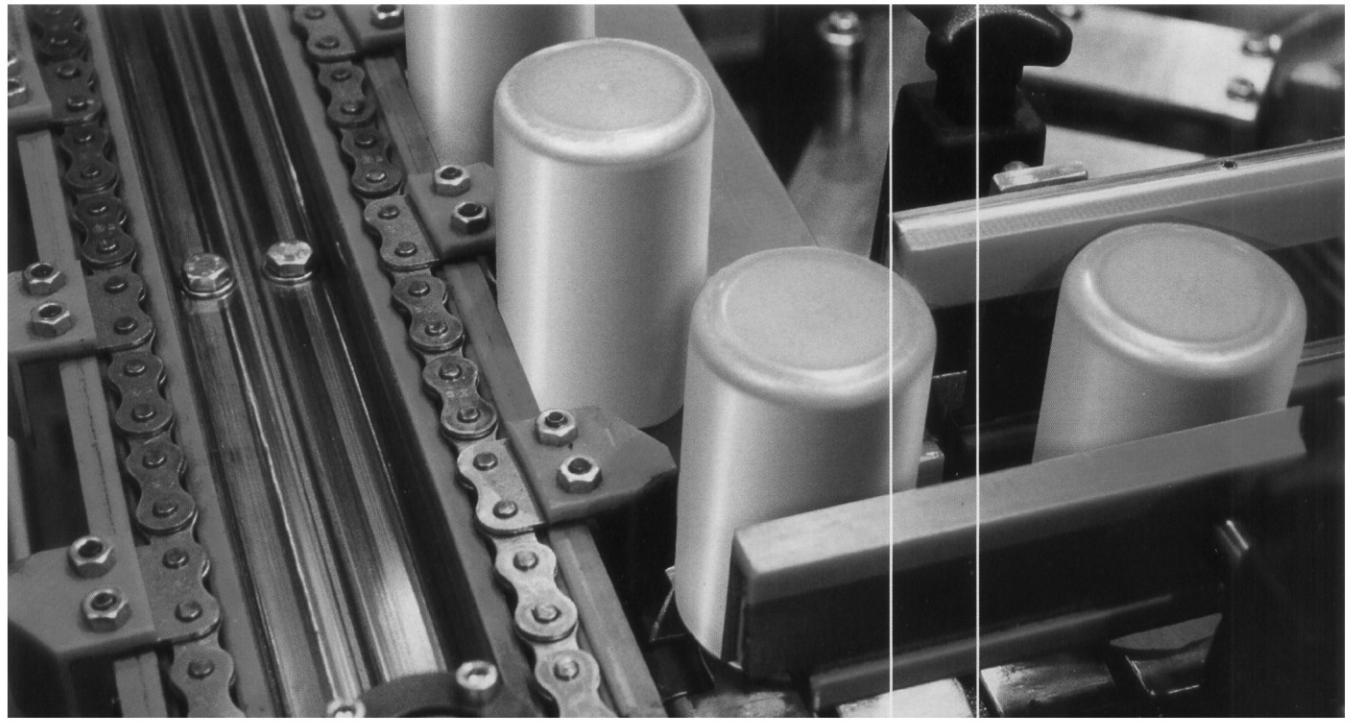
計算熱擴張時，安裝與最低及最高的工作温度之間的預期差异都需要計算在内，材料的直綫熱擴張系數可精確地計算出材料的延長度(温度上升時)與收縮度(温度下降時)(請參考以下計算方程式)。因此，我們就可以預算出安裝導軌時所需要的空間尺寸。我們有不同的導軌緊固方式，請參考P.74。

When calculating the expansion, the anticipated difference between the assembly and minimum and maximum working temperatures is to be taken into account. The coefficient of linear thermal expansion of the material is used to precisely calculate the maximum elongation when the temperature rises and the reduction when the temperature drops (see formula below). The required movement space for the material can thus be taken into account before installation takes place. There are different fastening options depending on the application (see page 74).

導軌延長計算方程式
Formula for calculating elongation

$$\Delta L = L \times \alpha \times \Delta T$$

ΔL = Elongation 延長度
L = Initial length 長度
α = Coefficient of linear thermal expansion 直綫熱擴張系數
ΔT = Temperature difference in °C 温度差异(℃)



STEEL C PROFILES
鋼槽外形

客户需要選擇安裝導軌的方法，最有效和最方便的方法就是選用我們的導軌鋼槽進行導軌的緊固安裝。
Regardless of the fastening method chosen, you should design your plant so that the material can expand. The easiest and most efficient fastening method is to fasten the guide using our steel C profiles.

與金屬不同的是，當工作溫度出現變化時，熱塑性物料比較容易出現長度的改變，使用導軌鋼槽可以更容易固定導軌，也方便進行更換。
Unlike metals, thermoplastics are particularly predisposed to an increase/reduction in length when temperature variations occur. Mounting a guide in a steel C profile makes sense because of the freedom of movement afforded to the slide bar. This method also makes it easy to replace plastic guides.

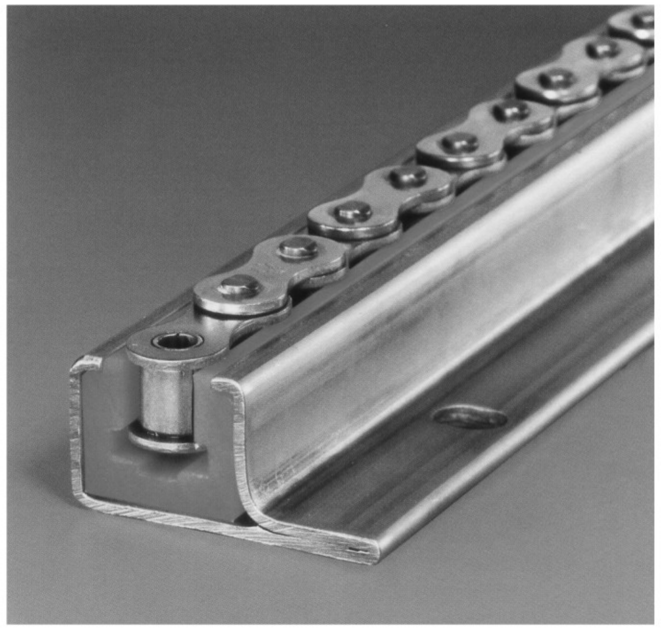
導軌鋼槽可以穩固導軌及焊接或用螺絲鎖緊，我們建議使用DIN螺絲或T頭螺絲（請參考P.74–75)
Steel C profiles also act as stable fasteners and can be welded or screwed on as required. We recommend the use of DIN screws or special assembly using T-head bolts (see pages 74 – 75).

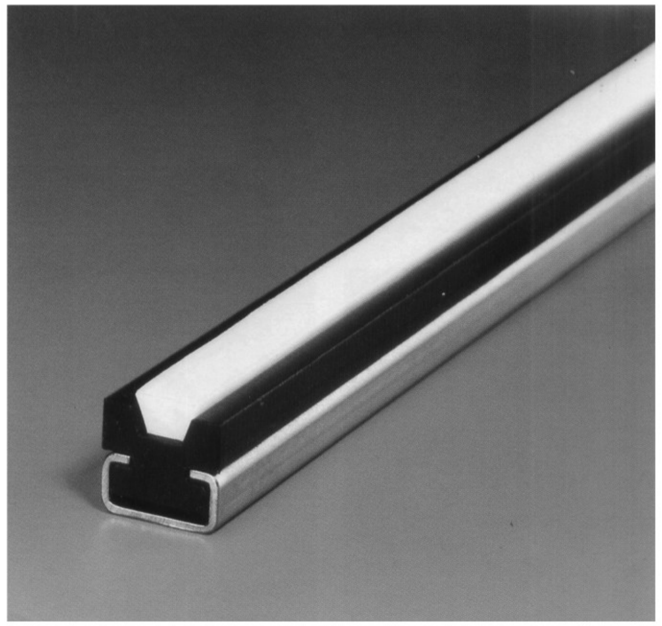
可提供的鋼槽類型 AVAILABLE VARIANTS

- **鍍鋅 (有庫存)**
  Galvanized (Stocked)
- **不銹鋼 (有庫存)**
  Stainless steel (Stocked)
- **未經處理 (按要求)**
  Untreated (upon request)

德國梅富牌鋼槽的好處
The advantages of Murtfeldt steel C profiles

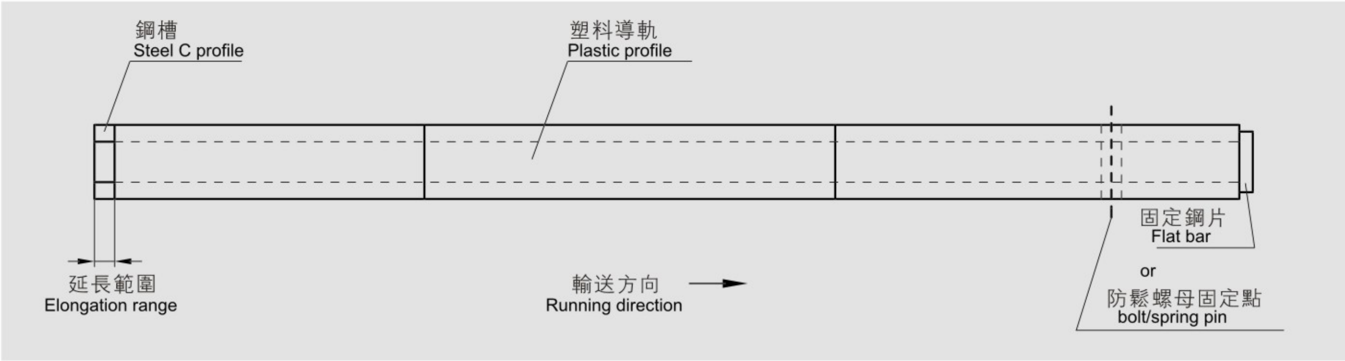
- **導軌安裝 / 拆卸簡易**
  Simple assembly/disassembly of the guide system
- **如導軌有勞損，更換方便快捷**
  Quick replacement procedure if wear occurs
- **祇需確保塑料導軌不被推出鋼槽**
  Plastic profiles only need to be secured against being pushed out once
- **高導向精度**
  Simple alignment of the guide system
- **祇需用螺絲緊固鋼槽，可確保導軌不會變形**
  No distortion occurs when mounting the steel C profile if screws are used
- **如工作溫度改變，導軌可以有足够空間擴張或收縮**
  Guide can increase/decrease in length if temperature variations occur

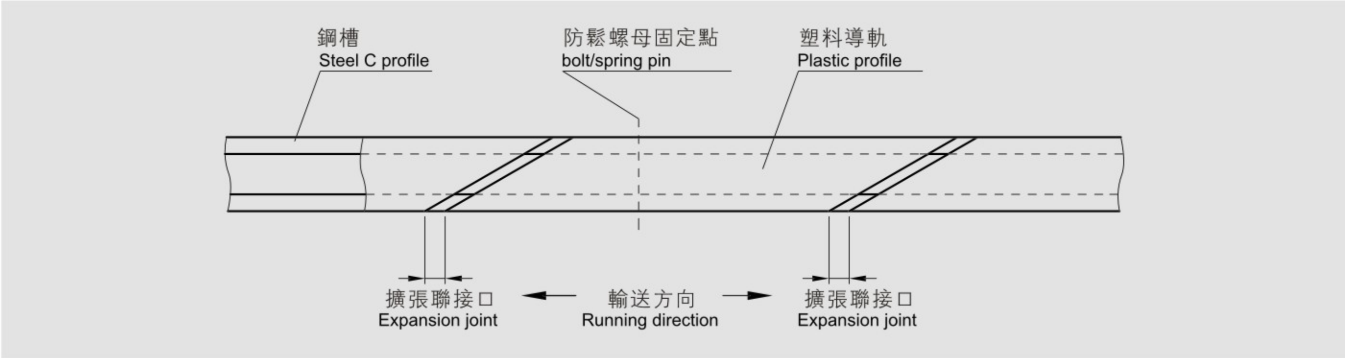




鏈條 / 皮帶 / 貨物的單一或不同輸送方向
Single or varying chain/belt/cargo direction

當導軌擴張時，塑料導軌會向輸送方向的反方向擴張，因此請確認在導軌的開始部分是否有足够的預留空間給導軌的擴張。
When expansion takes place, the plastic guide moves up in the opposite direction to the running/conveying direction. You should therefore make sure that sufficient space for the anticipated expansion is provided at the start of the plastic guide.

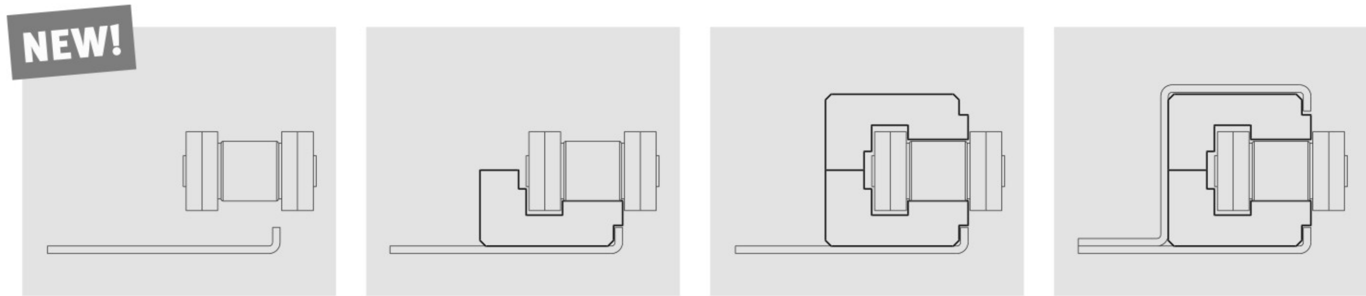


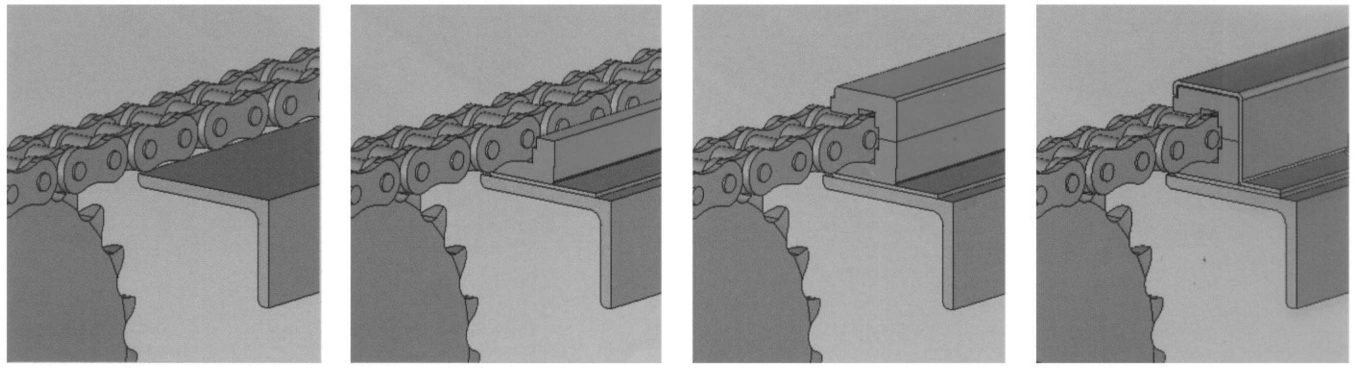


鏈條導軌(兩部分組成) – 簡易安裝
TWO-PART CHAIN GUIDE – SIMPLE ASSEMBLY

兩部分組成的導軌有着以下好處：
安裝時鏈條無需拆卸，即祇需簡單的幾個工序就可以快速、乾淨和以一個安全的保護下改造或更換鏈條（請參考P.96了解更多資料）
Our two-part guides have an unbeatable advantage: The chain does not have to be detached for the assembly process. This means that in just a few steps you can retrofit or replace the chain guide quickly, cleanly, and in a way that provides optimum protection for the chain (for more information, see page 96).

NEW!



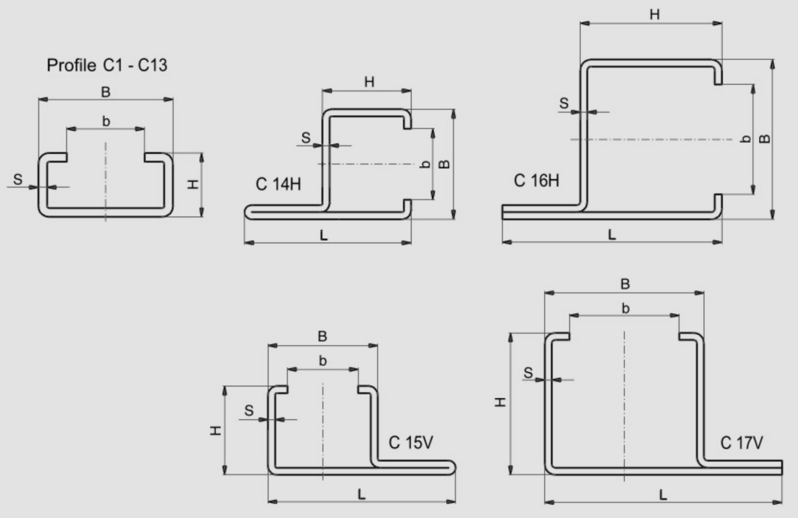


SELECTION TABLE 選型表

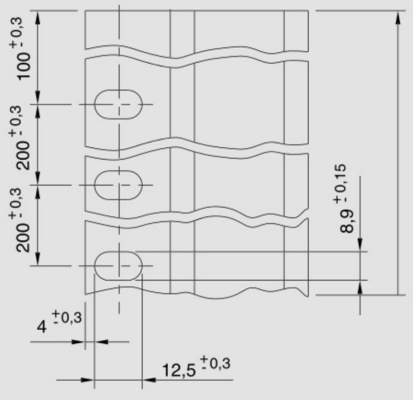
Galvanized or stainless steel C profiles

Profile No.	B	H	b	s	L	Steel C profile length	Art. no. for galvanized variant	Art. no. for V2A variant
C1	24	5.2	17.5	1	-	2000	351 020 001	351 020 101
						6000	351 060 001	351 060 101
C3	20	10	10	1.5	-	2000	351 020 003	351 020 103
						6000	351 060 003	351 060 103
C4	50	10	35	2	-	2000	351 020 004	351 020 104
						6000	351 060 004	351 060 104
C5	28	12	14	2	-	2000	351 020 005	351 020 105
						6000	351 060 005	351 060 105
C6	80	10	65	2	-	2000	351 020 006	351 020 106
						6000	351 060 006	351 060 106
C7	28	16	14	2.5	-	2000	351 020 007	351 020 107
						6000	351 060 007	351 060 107
C9	38	18	22	2.5	-	2000	351 020 009	351 020 109
						6000	351 060 009	351 060 109
C10	30	24	20	1.5	-	2000	351 020 010	351 020 110
						6000	351 060 010	351 060 110
C11	45	40	31	2	-	2000	351 020 011	351 020 111
						6000	351 060 011	351 060 111
C12	60	20	36	2.5	-	2000	351 020 012	351 020 112
						6000	351 060 012	351 060 112
C13	65	55	40	3	-	2000	351 020 013	351 020 113
						6000	351 060 013	351 060 113
C14 H	31	25	20	2	47	2000	351 020 014	351 020 114
						6000	351 060 014	351 060 114
C15 V	31	25	20	2	53	2000	351 020 015	351 020 115
						6000	351 060 015	351 060 115
C16 H NEW!	45	40	31	2	62	2000	351 020 316	351 021 316
						6000	351 060 316	351 061 316
C17 V NEW!	45	40	31	2	67	2000	351 020 317	351 021 317
						6000	351 060 317	351 061 317

Dimensions in mm



C 14H, C 15V, C 16H and C 17V steel profiles with punch hole in mounting rail



Hole spacing aggregate tolerance: Max. 0.75mm/m

FASTENING OF STEEL C PROFILES 鋼槽的固定

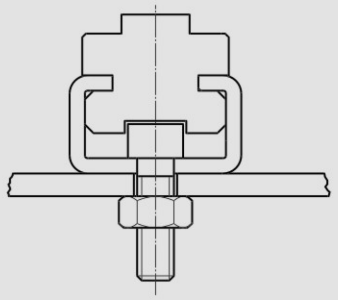
With T-head bolts

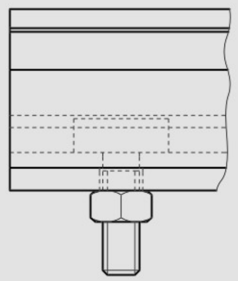
T-head bolts provide a secure connection between your machine element and our C profiles. As a rule, a simplex connection is used. Duplex connections are available if desired. Our application technology department will be glad to advise you to ensure that you obtain the best implementation for your requirements.

- **Milled groove for bolt head prevents simultaneous turning of T-head bolt**
- **Fastening of screw nuts from below (with T-head bolts)**
- **Punching and boring of required hole pattern in accordance with individual drawings**

We can bore or punch individual hole patterns if you provide us with an appropriate drawing. For T-head bolt dimensions, see the following page.

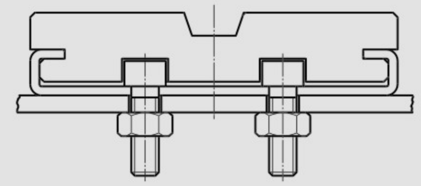
One-track fastening (standard)

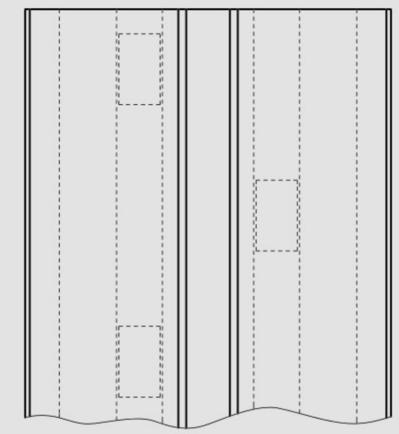




Two-track fastening

(optional for wide C6 and C12 profiles)



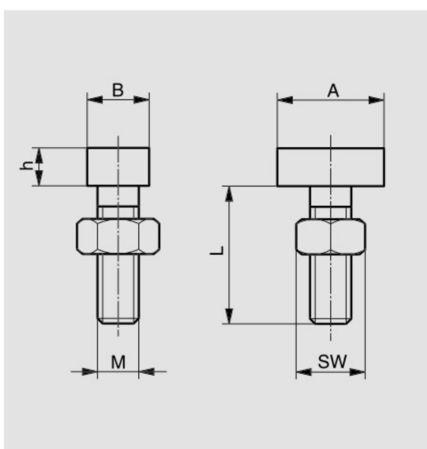


T-HEAD BOLTS T頭螺絲

Galvanized/stainless steel

Thread (M x L)	Suitable for these steel C profiles	A in mm	B in mm	h in mm	Material	Article no.	Type
M6x20	C1, C3, C4, C5, C6, C7, C9, C10, C11, C12, C13	18.0	9.5	4	Galvanized	352010001	-
M6x20	C1, C4, C5, C6, C7, C9, C12	15.5	9.0	6	Galvanized	352010005	20/12
M6x30	C1, C4, C5, C6, C7, C9, C12	15.5	9.0	6	Galvanized	352010003	20/12
M6x40	C1, C4, C5, C6, C7, C9, C12	15.5	9.0	6	Galvanized	352010004	20/12
M8x20	C4, C6, C7, C9, C12	15.5	9.0	6	Galvanized	352010008	20/12
M8x30	C4, C6, C7, C9, C12	15.5	9.0	6	Galvanized	352010006	20/12
M8x40	C4, C6, C7, C9, C12	15.5	9.0	6	Galvanized	352010007	20/12
M8x20	C4, C6, C7, C9, C12	23.0	11.0	6	Galvanized	352010011	28/15
M8x30	C4, C6, C7, C9, C12	23.0	11.0	6	Galvanized	352010019	28/15
M8x40	C4, C6, C7, C9, C12	23.0	11.0	6	Galvanized	352010014	28/15
M10x20	C4, C6, C7, C9, C11, C12, C13	23.0	11.0	7	Galvanized	352010020	28/15
M10x30	C4, C6, C7, C9, C11, C12, C13	23.0	11.0	7	Galvanized	352010012	28/15
M10x40	C4, C6, C7, C9, C11, C12, C13	23.0	11.0	7	Galvanized	352010013	28/15
M10x20	C6, C9, C12	31.0	13.5	9	Galvanized	352010015	38/17
M10x30	C6, C9, C12	31.0	13.5	9	Galvanized	352010016	38/17
M12x40	C6, C11, C12, C13	31.0	13.5	9	Galvanized	352010017	38/17
M6x20	C1, C3, C4, C5, C6, C7, C9, C10, C11, C12, C13	18.0	9.5	4	V2A	352010002	-
M8x20	C4, C6, C7, C9, C12	15.5	9.0	6	V2A	352010025	20/12
M8x30	C4, C6, C7, C9, C12	15.5	9.0	6	V2A	352010026	20/12

Please speak with our application technology department to determine the best T-head screw for your needs. We can provide the appropriate models including nuts for one-track and two-track connections.



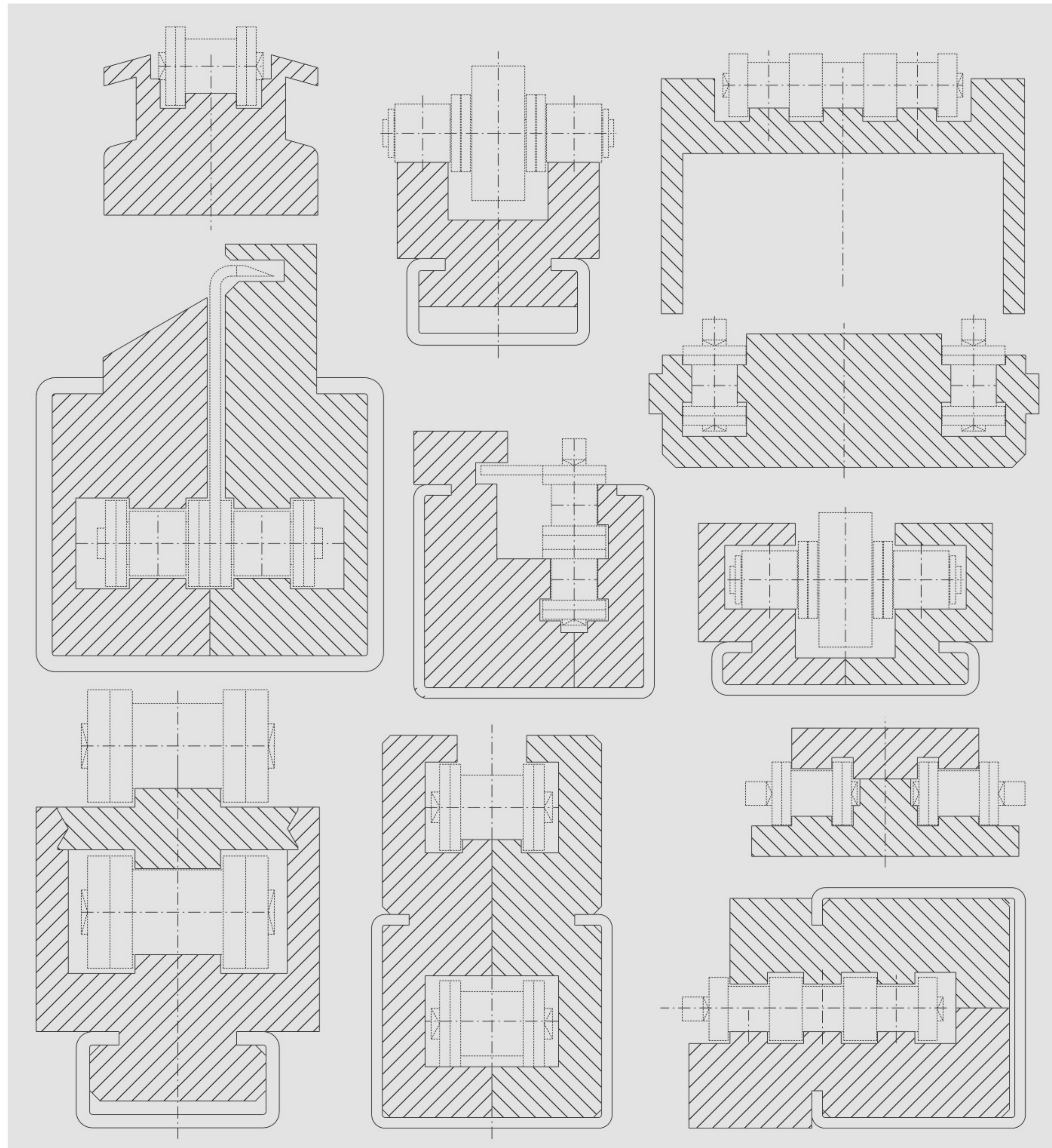
SPECIAL PROFILES 特殊外形

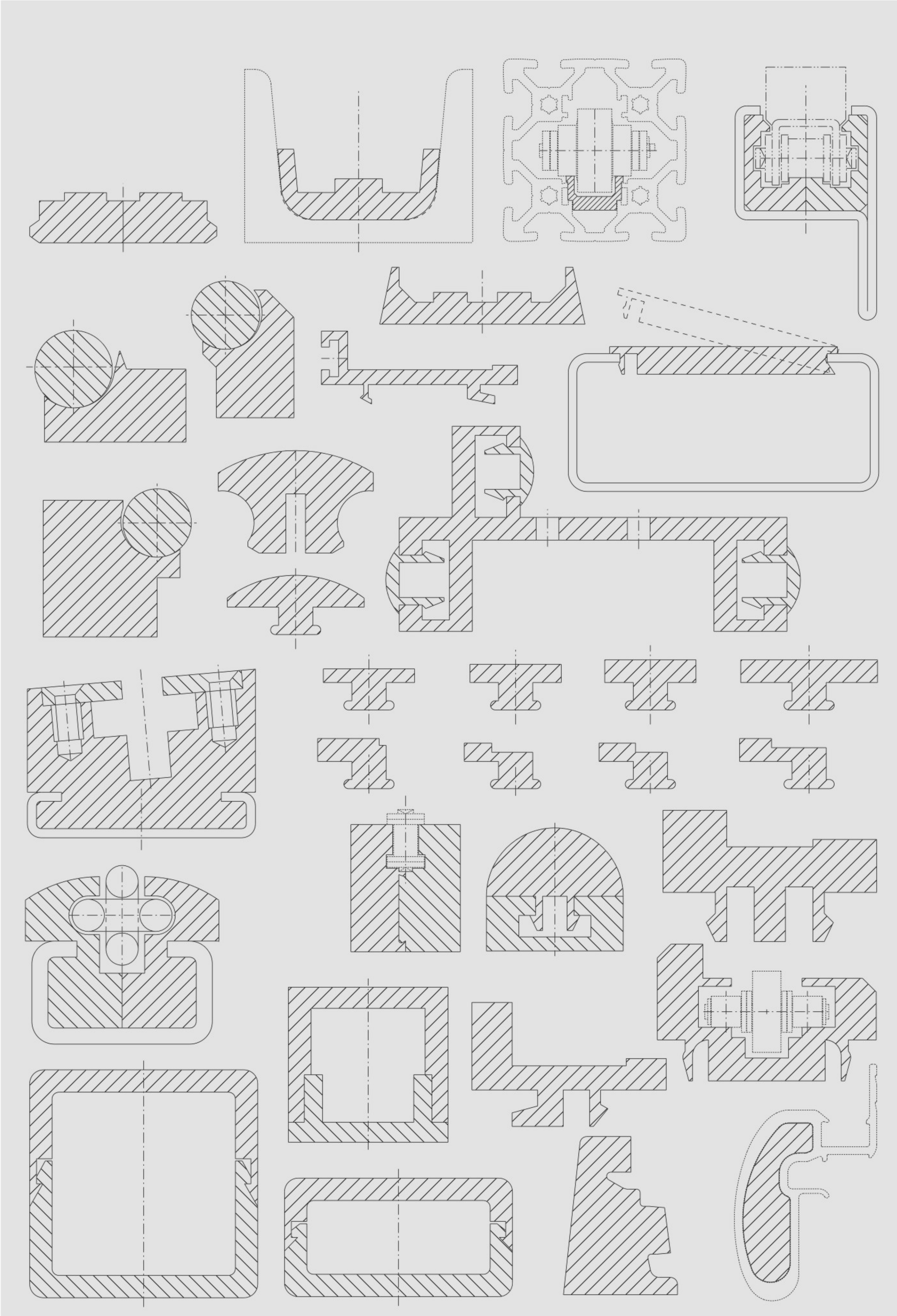
當標準的導軌設計未能滿足您的要求時
When the standard designs are not enough

我們的工廠提供各類型的標準導軌設計，但如客户有需要時，我們的工廠可以按客户個別的要求進行生產。

Our standard range of profiles provides a large number of solutions for fitting out your machines. However, if the design you require is not part of our range, we are happy to produce it in accordance with your individual specifications. Please contact our application technology department or one of our field staff.

We also offer you the opportunity to work on documents, drawings, and construction plans online together with our employees.





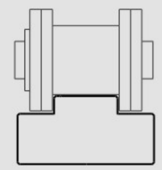
OVERVIEW OF CHAIN GUIDES 導軌的大致外形選擇

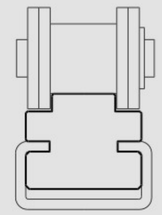
適合滚子鏈條(DIN 8187)和鏈扣(DIN 766/764)
For roller chains (DIN 8187) and round link chains (DIN 766/764)

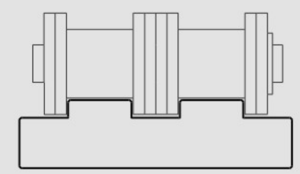
德國梅富提供各類型的標準導軌，包括20種不同類型的滚子鏈條導軌及4種鏈扣導軌，客户可以選購高精度物料"S"綠色或較經濟的物料"S"1000綠色。

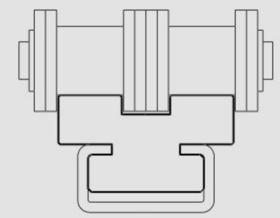
Murtfeldt offers an extensive standard range of guides for roller chains. We have a total of 20 different types of guide for roller chains and four for round link chains. You can also choose between our high-quality Original Material "S"® Green and our more economical Material "S"® 1000 Green.

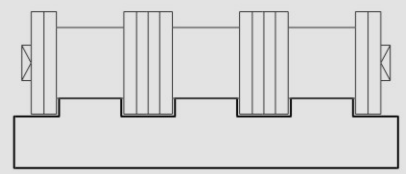
滚子鏈條導軌DIN 8187(如有需要，可按DIN 8188標準制造)
Chain guides for roller chains as per DIN 8187 (DIN 8188 catalogue on request)

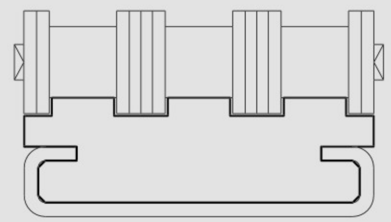

Type T – page 56

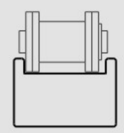

Type CT – page 57

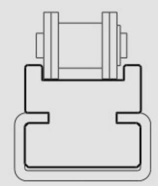

Type T-Duplex – page 58

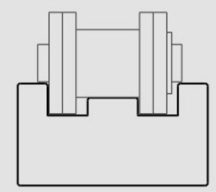

Type CT-Duplex – page 59

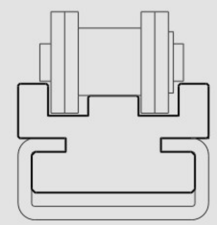

Type T-Triplex – page 60

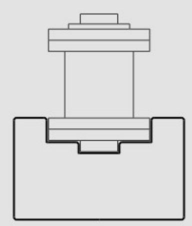

Type CT-Triplex – page 61

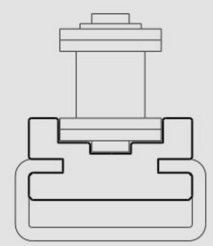

Type TU – page 62

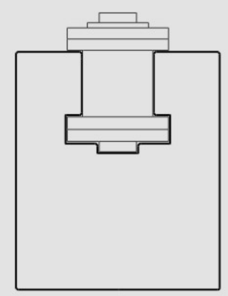

Type CTU – page 62

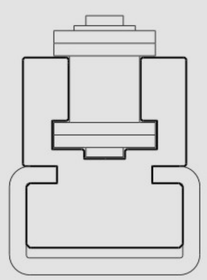

Type TS – page 63

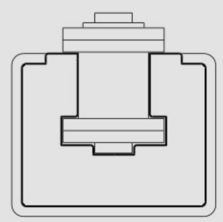

Type CTS – page 64

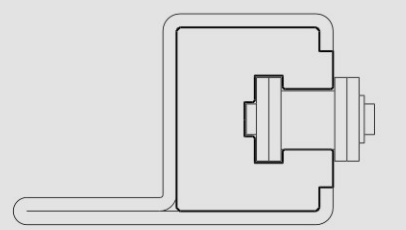

Type U – page 65

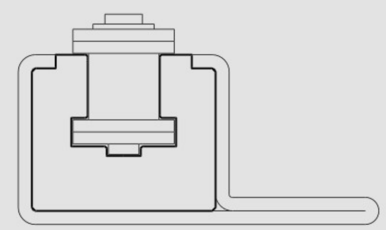

Type CU – page 66

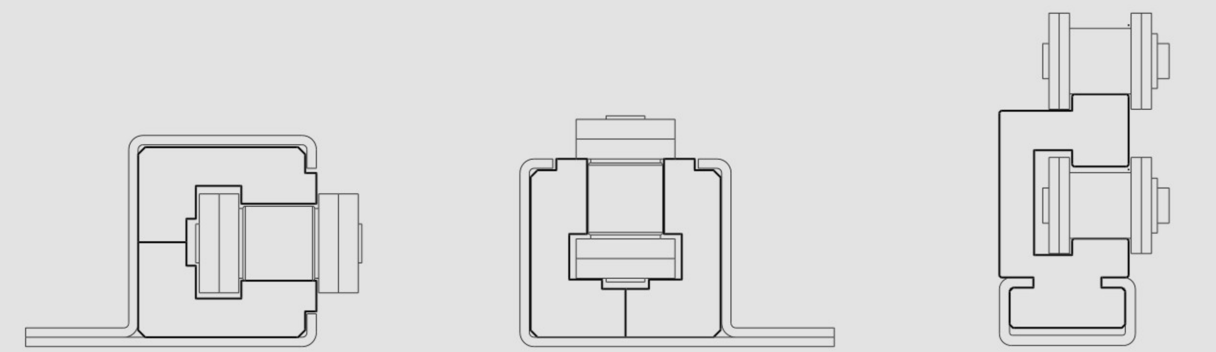

Type K – page 67


Type CK – page 68


Type CKG – page 69

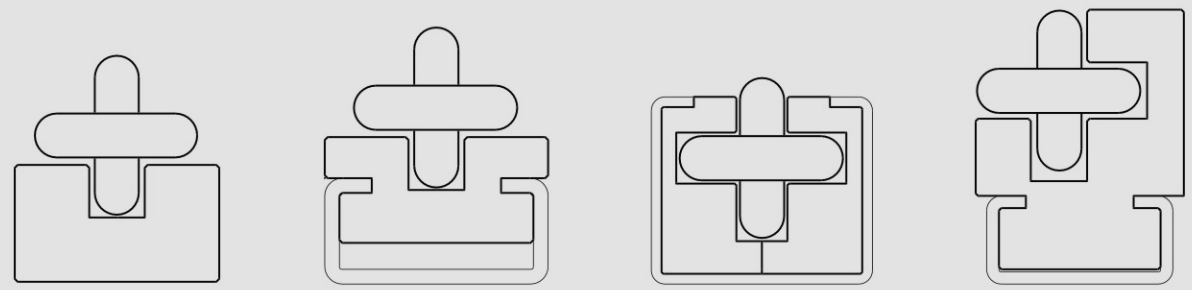

Type CKG 14H – page 70


Type CKG 15V – page 71



Type CKG16H – page 72 Type CKG17V – page 72 Type ETA – page 73

Chain guides for round link chains as per DIN 766/764 **鏈扣導軌DIN 766/764**



Type R – page 74 Type CRU – page 74 Type CRG – page 75 Type CRO – page 75

SIGNS AND SYMBOLS 標示和符號

我們已開發以下所描述的產品，以滿足不同的要求和不同的工作環境。
The products described on the following pages have been developed to meet different requirements and diverse working environments.

每個產品的旁邊均有一個圖標顯示該產品的物料和特性的說明。
The main material and availability properties are illustrated by the pictograms that appear next to each product.

Standard 標 準		Variable – optional possibilities 其它標示
"S" 材料"S"綠色 Original Material "S"® Green	2000 導軌與鋼槽的長度單位爲毫米(mm) Length of plastic guide and steel C profile in mm	"S" 1000 現有庫存材料"S"1000綠色 Ex stock in Material "S"® 1000 Green
材料"S"黑色防靜電 Original Material "S"® Black Antistatic	galvanized 標準鍍鋅鋼設計 Standard design in galvanized steel	如有需要，可按其他尺寸和使用其他材料 In intermediate dimensions and other materials if required
DIN 2768 中級誤差 – 塑料部分(DIN 2768) Medium tolerances on plastic profile section as per DIN ISO 2768	衹適用于外鏈扣連接 Only suitable for outer facing connecting link	6000 可制鋼槽長6000mm 6,000mm steel profile length possible
長度誤差 塑料導軌+0/+7mm 鋼槽+0/+40mm Length tolerance Plastic guide +0/+7mm Steel C profile +0/+40mm	導軌由兩部分組合而成 Profile section for two-part design	V2A 現有庫存材料不銹鋼1.4301(V2A) Available ex stock in 1.4301 (V2A)
ATEX 適用于爆炸或有害的環境 For use in explosion hazard areas (manufacturer's declaration)		導軌由兩部分組合而成 Profile section for two-part design

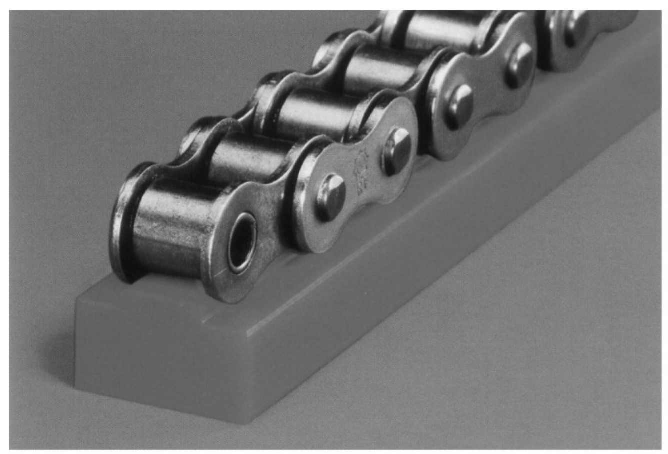
Chain Guides for Roller Chains as per DIN 8187
適合用DIN8187滾子鏈條的導軌

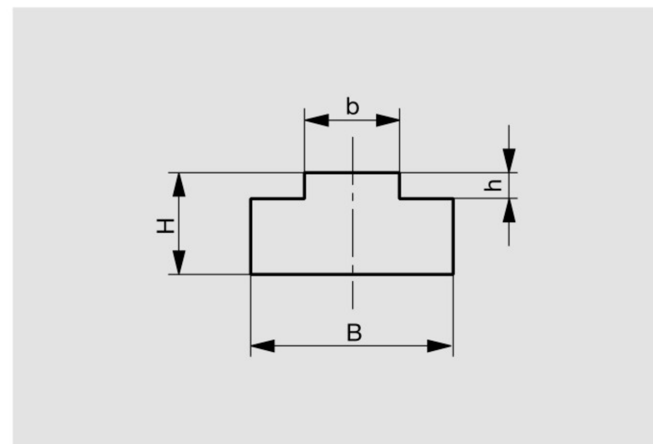
"S" DIN 2768 2000 "S" 1000

TYPE T 型

DIN 8187 chain no.	Chain dimensions	B	H	b	h	Article no.	Availability
06B-1	3/8" x 7/32"	15	10	5.4	1.5	221 010 002	●
083-1	1/2" x 3/16"	15	10	4.5	1.5	221 010 003	●
085-1	1/2" x 1/4"	20	10	6.2	2.2	221 010 004	○
08B-1	1/2" x 5/16"	20	10	7.4	2.2	221 010 005	●
08B-1	1/2" x 5/16"	20	15	7.4	2.2	221 010 006	●
08B-1	1/2" x 5/16"	20	20	7.4	2.2	221 010 007	●
08B-1	1/2" x 5/16"	20	30	7.4	2.2	221 010 008	●
-	5/8" x 1/4"	20	10	6.2	2.6	221 010 009	○
10B-1	5/8" x 3/8"	20	10	9.3	2.6	221 010 010	●
10B-1	5/8" x 3/8"	20	15	9.3	2.6	221 010 011	●
10B-1	5/8" x 3/8"	20	20	9.3	2.6	221 010 012	○
10B-1	5/8" x 3/8"	20	30	9.3	2.6	221 010 013	○
12B-1	3/4" x 7/16"	25	10	11.3	2.4	221 010 014	●
12B-1	3/4" x 7/16"	25	15	11.3	2.4	221 010 015	●
12B-1	3/4" x 7/16"	25	20	11.3	2.4	221 010 016	●
12B-1	3/4" x 7/16"	25	30	11.3	2.4	221 010 017	●
16B-1	1" x 17mm	40	15	16.0	3.5	221 010 018	●
16B-1	1" x 17mm	40	20	16.0	3.5	221 010 019	●
16B-1	1" x 17mm	40	30	16.0	3.5	221 010 020	●
20B-1	1 1/4" x 3/4"	45	15	18.0	4.2	221 010 021	●
24B-1	1 1/2" x 1"	60	15	24.0	5.5	221 010 022	●
28B-1	1 3/4" x 31mm	75	20	30.0	6.8	221 010 023	○
32B-1	2" x 31mm	80	20	30.0	7.7	221 010 024	○

● Stocked ○ Available within 10 days Dimensions in mm

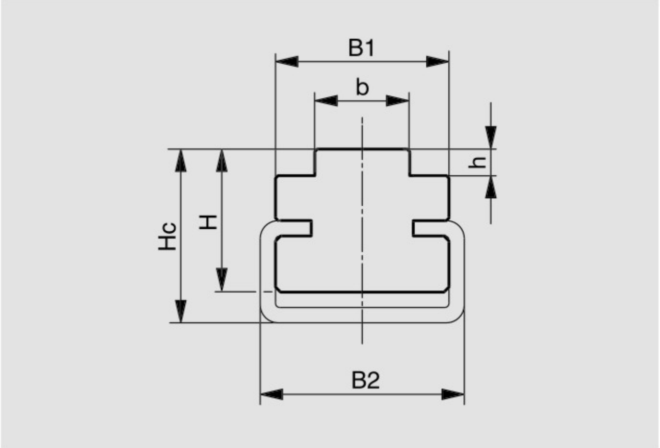




TYPE CT 型

DIN 8187 chain no.	Chain dimensions	C profile type	B1	B2	H	Hc	b	h	Article no.	Availability
06B-1	3/8" x 7/32"		17		14	17	5.4	1.5	221 210 015	○
		C3		20					351 020 003	○
083-1	1/2" x 3/16"		17		14	17	4.5	1.5	221 210 002	○
		C3		20					351 020 003	○
085-1	1/2" x 1/4"		17		14	17	6.2	2.2	221 210 003	○
		C3		20					351 020 003	○
08B-1	1/2" x 5/16"		20		10	11	7.4	2.2	221 210 001	●
		C1		24					351 020 001	●
08B-1	1/2" x 5/16"		17		14	17	7.4	2.2	221 210 004	●
		C3		20					351 020 003	●
-	5/8" x 1/4"		17		14	17	6.2	2.6	221 210 005	○
		C3		20					351 020 003	●
10B-1	5/8" x 3/8"		17		14	17	9.3	2.6	221 210 006	●
		C3		20					351 020 003	●
12B-1	3/4" x 7/16"		20		14	17	11.3	2.4	221 210 007	●
		C3		20					351 020 003	●
12B-1	3/4" x 7/16"		24		14	18	11.3	2.4	221 210 008	●
		C5		28					351 020 005	●
16B-1	1" x 17mm		24		14	18	16	3.5	221 210 009	●
		C5		28					351 020 005	●
20B-1	1 1/4" x 3/4"		28		14	18	18	4.2	221 210 010	●
		C5		28					351 020 005	●
24B-1	1 1/2" x 1"		33		23	30	24	5.5	221 210 011	○
		C9		38					351 020 009	○
28B-1	1 3/4" x 31mm		38		23	30	30	6.8	221 210 012	○
		C9		38					351 020 009	○
32B-1	2" x 31mm		38		23	30	30	7.7	221 210 013	○
		C9		38					351 020 009	○
32B-1	2" x 31mm		60		25	35	30	7.7	221 210 014	○
		C12		60					351 020 012	○

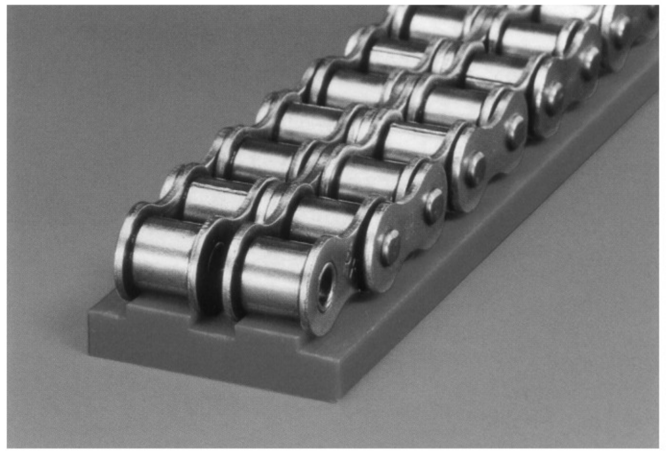
● Stocked ○ Available within 10 days Dimensions in mm

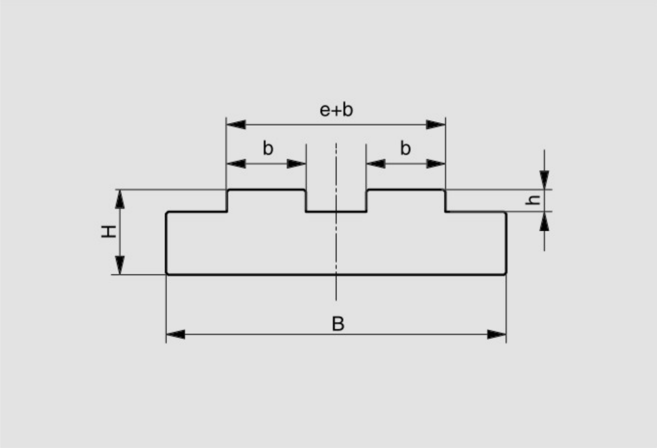


TYPE T-DUPLEX 型

DIN 8187 chain no.	Chain dimensions in inches	B	H	b	h	e+b	Article no.	Availability
06B-2	3/8" x 7/32"	25.0	10	5.3	1.5	15.6	221 010 025	●
08B-2	1/2" x 5/16"	35.0	10	7.2	2.2	21.2	221 010 026	●
08B-2	1/2" x 5/16"	35.0	15	7.2	2.2	21.2	221 010 027	●
08B-2	1/2" x 5/16"	35.0	20	7.2	2.2	21.2	221 010 028	○
08B-2	1/2" x 5/16"	35.0	30	7.2	2.2	21.2	221 010 029	○
10B-2	5/8" x 3/8"	40.0	10	9.0	2.6	25.6	221 010 030	●
12B-2	3/4" x 7/16"	45.0	15	10.9	2.4	30.4	221 010 031	●
12B-2	3/4" x 7/16"	45.0	10	10.9	2.4	30.4	221 010 032	○
16B-2	1" x 17mm	47.8	15	15.8	3.5	47.8	221 010 033	●
20B-2	1 1/4" x 3/4"	54.7	15	18.2	4.2	54.7	221 010 034	○
24B-2	1 1/2" x 1"	72.0	20	23.6	5.5	72.0	221 010 035	○
28B-2	1 3/4" x 31mm	88.4	25	28.8	6.8	88.4	221 010 036	○
32B-2	2" x 31mm	87.4	30	28.8	7.7	87.4	221 010 037	○

● Stocked ○ Available within 10 days Dimensions in mm



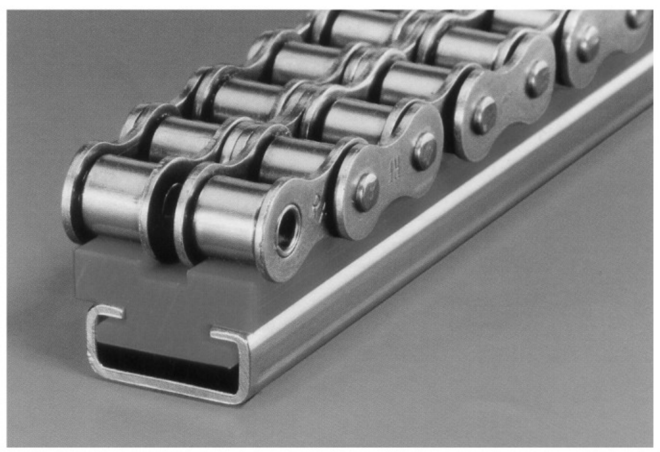


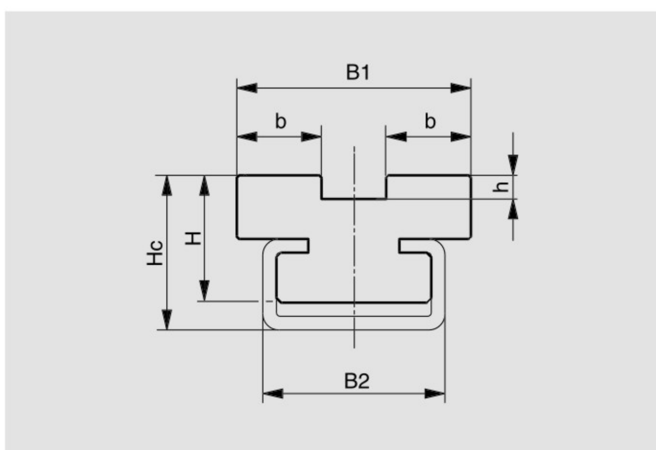
德國 CHAIN, BELT, AND SLIDING GUIDES

TYPE CT-DUPLEX 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B1	B2	H	Hc	b	h	Article no.	Availability
06B-2	3/8“ x 7/32“		15.6		14	17	5.3	1.5	221 210 022	●
		C3		20					351 020 003	●
08B-2	1/2“ x 5/16“		21.2		14	17	7.2	2.2	221 210 016	●
		C3		20					351 020 003	●
10B-2	5/8“ x 3/8“		25.6		14	17	9.0	2.6	221 210 017	●
		C3		20					351 020 003	●
12B-2	3/4“ x 7/16“		30.4		15	20	10.9	2.4	221 210 018	●
		C5		28					351 020 005	●
16B-2	1“ x 17mm		47.8		20	27	15.8	3.5	221 210 019	○
		C9		38					351 020 009	○
20B-2	1 1/4“ x 3/4“		54.7		22	30	18.2	4.2	221 210 020	○
		C12		60					351 020 012	○
24B-2	1 1/2“ x 1“		72.0		25	35	23.6	5.5	221 210 021	○
		C12		60					351 020 012	○

● Stocked ○ Available within 10 days Dimensions in mm



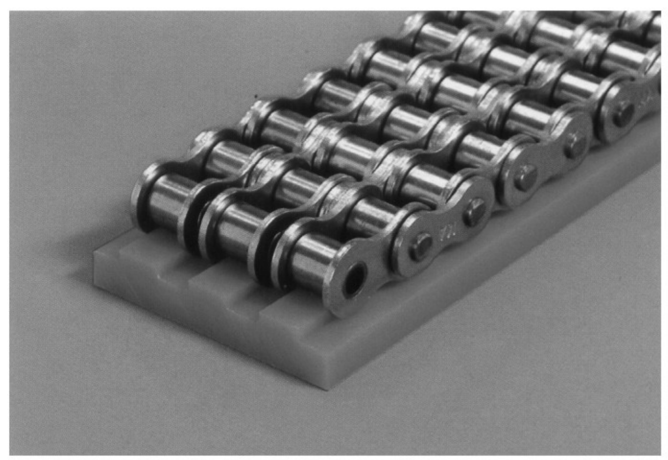


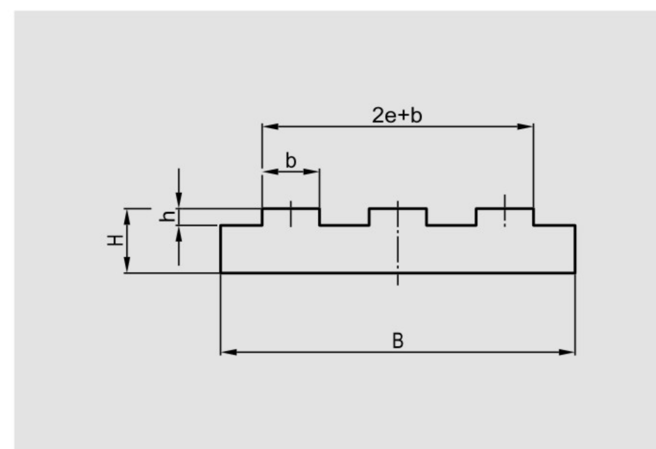
NEW! 新

TYPE T-TRIPLEX 型

DIN 8187 chain no.	Chain dimensions in inches	B	H	b	h	2e+b	Article no.	Availability
06B-3	3/8“ x 7/32“	35.0	10	5.3	1.5	25.9	221 010 038	○
08B-3	1/2“ x 5/16“	45.0	10	7.1	2.2	34.9	221 010 039	○
10B-3	5/8“ x 3/8“	55.0	10	8.9	2.6	42.1	221 010 040	○
12B-3	3/4“ x 7/16“	60.0	15	10.7	2.4	49.7	221 010 041	○
16B-3	1“ x 17mm	79.5	20	15.7	3.5	79.5	221 010 042	○
20B-3	1 1/4“ x 3/4“	91.0	20	18.0	4.2	91.0	221 010 043	○
24B-3	1 1/2“ x 1“	120.0	25	23.4	5.5	120.0	221 010 044	○

● Stocked ○ Available within 10 days Dimensions in mm



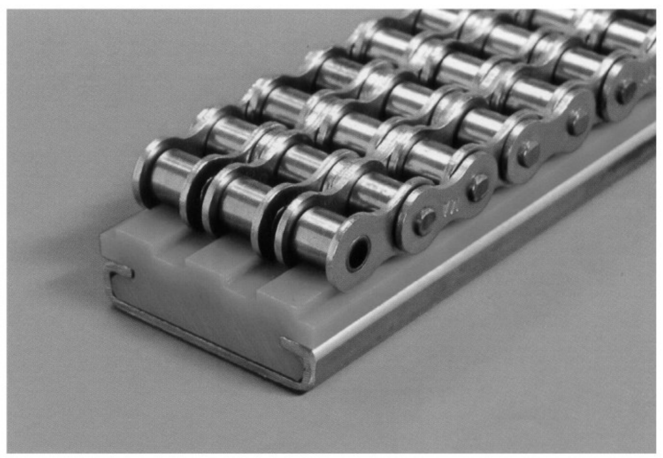


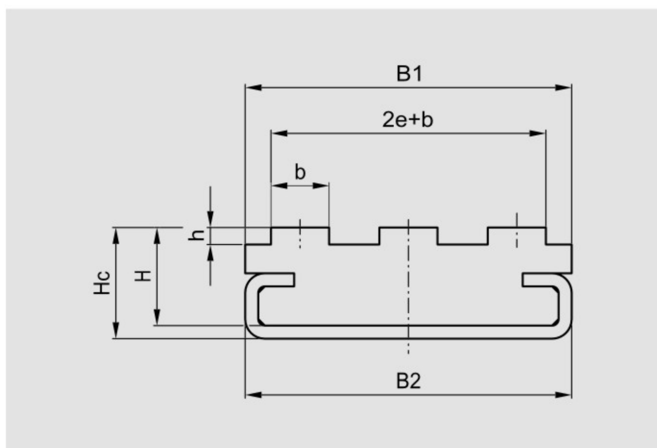
NEW! 新

TYPE CT-TRIPLEX 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B1	B2	H	Hc	b	h	2e+b	Article no.	Availability
06B-3	3/8“ x 7/32“		30.0		15	20	5.3	1.5	25.9	221 210 023	○
		C5		28						351 020 005	●
08B-3	1/2“ x 5/16“		34.9		15	20	7.1	2.2	34.9	221 210 024	○
		C5		28						351 020 005	●
10B-3	5/8“ x 3/8“		50.0		15	17	8.9	2.6	42.1	221 210 025	○
		C4		50						351 020 004	●
12B-3	3/4“ x 7/16“		49.7		18	20	10.7	2.4	49.7	221 210 026	○
		C4		50						351 020 004	●
16B-3	1“ x 17mm		79.5		20	22	15.7	3.5	79.5	221 210 027	○
		C6		80						351 020 006	●
20B-3	1 1/4“ x 3/4“		91.0		20	22	18.0	4.2	91.0	221 210 028	○
		C6		80						351 020 006	●

● Stocked ○ Available within 10 days Dimensions in mm

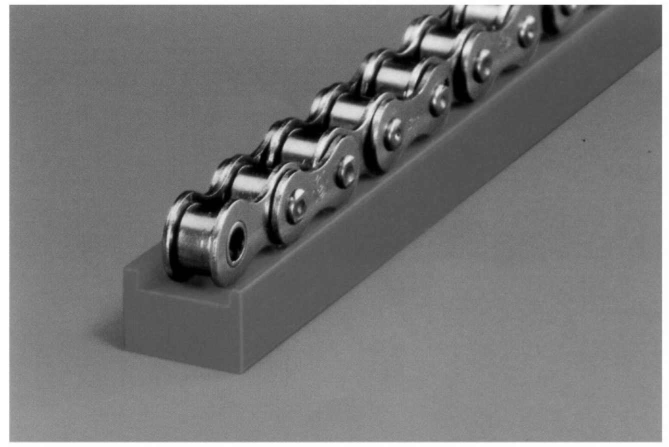


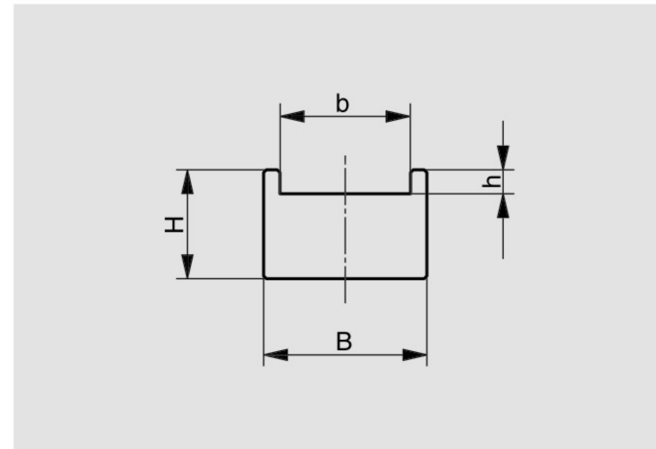


TYPE TU 型

DIN 8187 chain no.	Chain dimensions in inches	B	H	b	h	Article no.	Availability
-	3/8“ x 5/32“	15	10	12	2.2	221 110 010	●
083-1	1/2“ x 3/16“	15	10	12	2.2	221 110 011	●

● Stocked ○ Available within 10 days Dimensions in mm

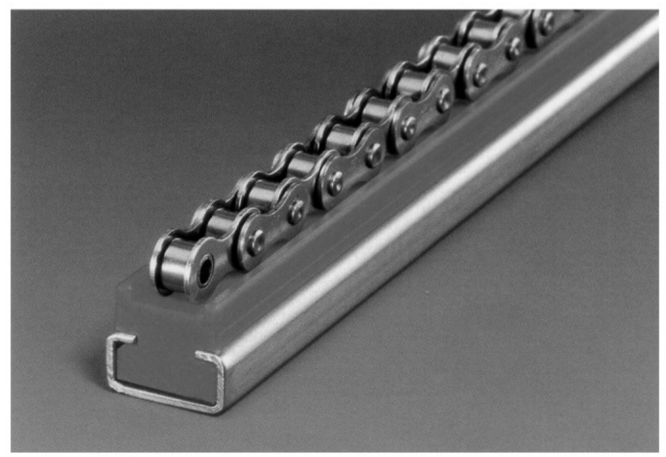


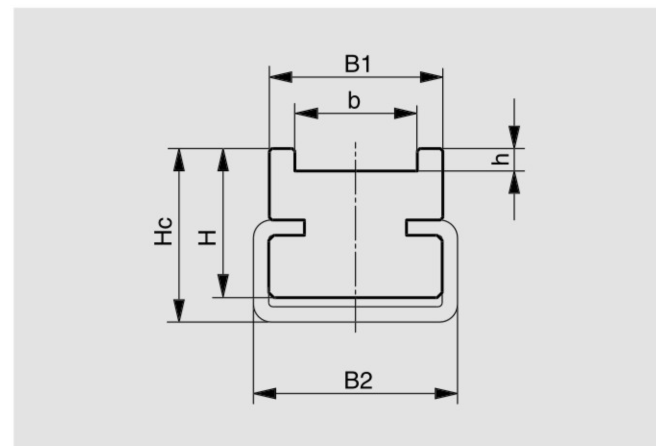


TYPE CTU 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B1	B2	H	Hc	b	h	Article no.	Availability
-	3/8“ x 5/32“		17		14	17	12	2.2	221 310 010	●
		C3		20					351 020 003	●
083-1	1/2“ x 3/16“		17		14	17	12	2.2	221 310 010	●
		C3		20					351 020 003	●

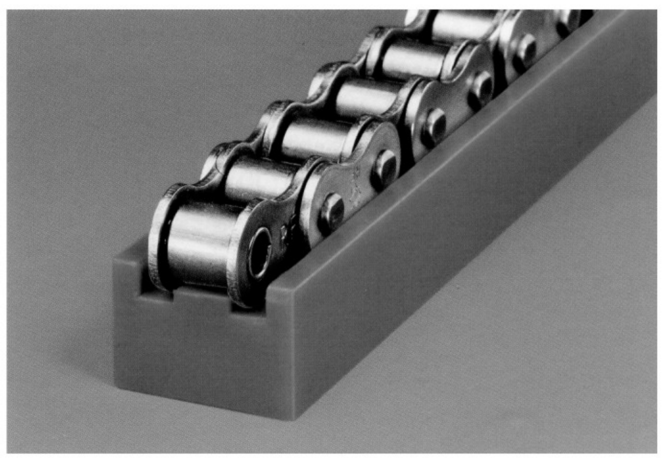
● Stocked ○ Available within 10 days Dimensions in mm

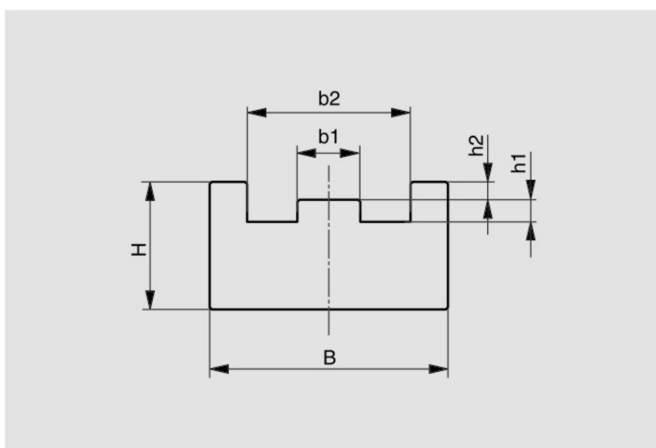




TYPE TS 型

DIN 8187 chain no.	Chain dimensions in inches	B	H	b1	b2	h1	h2	Article no.	Availability
06B-1	3/8" x 7/32"	20	10	3.8	13.0	1.5	1.1	221 110 001	●
083-1	1/2" x 3/16"	20	10	3.0	12.4	1.6	1.4	221 110 002	○
085-1	1/2" x 1/4"	22	10	4.5	15.1	2.2	1.6	221 110 003	●
08B-1	1/2" x 5/16"	25	15	5.7	16.3	2.2	1.6	221 110 004	●
-	5/8" x 1/4"	25	15	4.1	16.1	2.6	2.1	221 110 005	○
10B-1	5/8" x 3/8"	28	15	7.4	19.2	2.6	2.1	221 110 006	●
12B-1	3/4" x 7/16"	30	20	9.2	21.8	2.4	2.8	221 110 007	●
16B-1	1" x 17mm	42	25	15.0	35.0	3.5	3.3	221 110 008	○
20B-1	1 1/4" x 3/4"	50	25	16.8	40.0	4.2	4.0	221 110 009	○

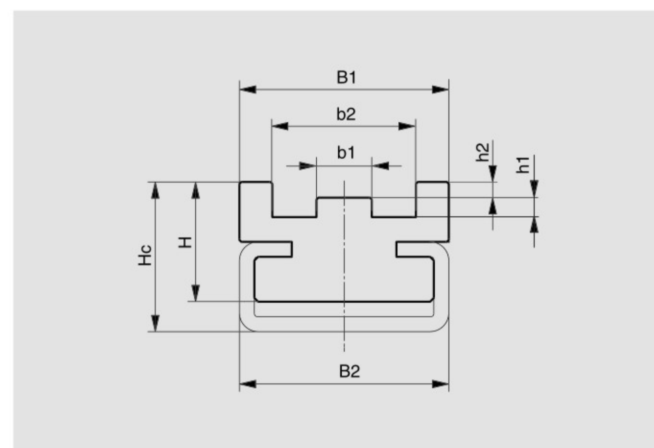




TYPE CTS 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B1	B2	H	Hc	b1	b2	h1	h2	Article no.	Availability
06B-1	3/8" x 7/32"		20		14	17	3.8	13.0	1.5	1.1	221 310 001	●
		C3		20							351 020 003	●
083-1	1/2" x 3/16"		20		14	17	3.0	12.4	1.6	1.4	221 310 002	○
		C3		20							351 020 003	○
085-1	1/2" x 1/4"		22		14	17	4.5	15.1	2.2	1.6	221 310 003	○
		C3		20							351 020 003	○
08B-1	1/2" x 5/16"		25		16	20	5.7	16.3	2.2	1.6	221 310 004	●
		C3		20							351 020 003	●
-	5/8" x 1/4"		25		16	20	4.1	16.1	2.6	2.1	221 310 005	○
		C3		20							351 020 003	○
10B-1	5/8" x 3/8"		28		16	20	7.4	19.2	2.6	2.1	221 310 006	●
		C5		28							351 020 005	●
12B-1	3/4" x 7/16"		30		18	22	9.2	21.8	2.4	2.8	221 310 007	●
		C5		28							351 020 005	●
16B-1	1" x 17mm		42		25	30	15.0	35.0	3.5	3.3	221 310 008	●
		C9		38							351 020 009	●
20B-1	1 1/4" x 3/4"		50		30	35	16.8	40.0	4.2	4.0	221 310 009	●
		C9		38							351 020 009	●

● Stocked ○ Available within 10 days Dimensions in mm

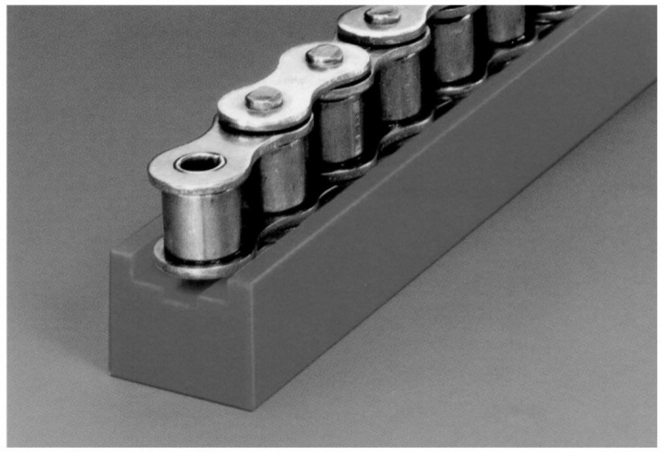


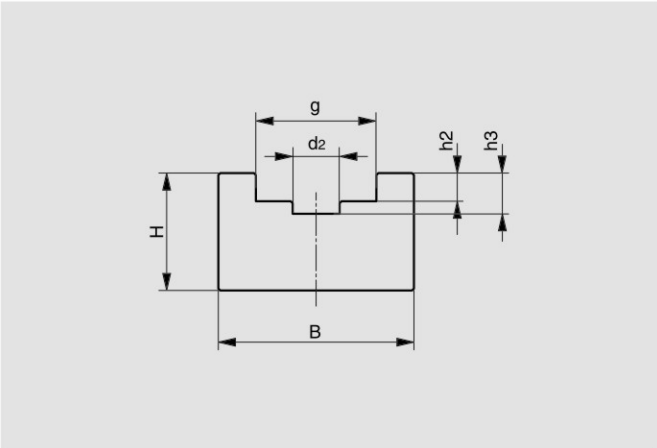
德國 CHAIN, BELT, AND SLIDING GUIDES

TYPE U 型

DIN 8187 chain no.	Chain dimensions in inches	B	H	d2	g	h2	h3	Article no.	Availability
-	3/8“ x 5/32“	20	15	4	9.4	2.8	4.2	221 110 012	○
06B-1	3/8“ x 7/32“	20	15	4	9.4	2.8	4.2	221 110 013	●
083-1	1/2“ x 3/16“	20	15	5	10.8	2.3	3.8	221 110 014	○
g=12.8mm	1/2“ x 1/4“	25	15	5	12.8	3.5	5.0	221 110 015	○
08B-1	1/2“ x 5/16“	25	15	5	12.8	3.5	5.0	221 110 017	●
-	5/8“ x 1/4“	25	15	6	15.4	3.6	5.2	221 110 016	○
085-1	1/2 x 1/4“	20	15	5	11.8	3.2	4.7	221 110 018	●
10B-1	5/8“ x 3/8“	25	15	6	15.4	3.6	5.0	221 110 019	●
12B-1	3/4“ x 7/16“	25	20	7	17.0	3.9	5.7	221 110 020	●
16B-1	1“ x 17mm	33	25	10	24.0	8.4	10.6	221 110 021	●
20B-1	1 1/4“ x 3/4“	55	25	11	28.0	10.0	12.2	221 110 022	○
24B-1	1 1/2“ x 1“	60	30	16	36.6	13.0	16.0	221 110 023	○
28B-1	1 3/4“ x 31mm	65	30	17	40.0	16.0	18.0	221 110 024	○
32B-1	2“ x 31mm	70	30	20	44.6	16.0	20.0	221 110 025	○

● Stocked ○ Available within 10 days Dimensions in mm

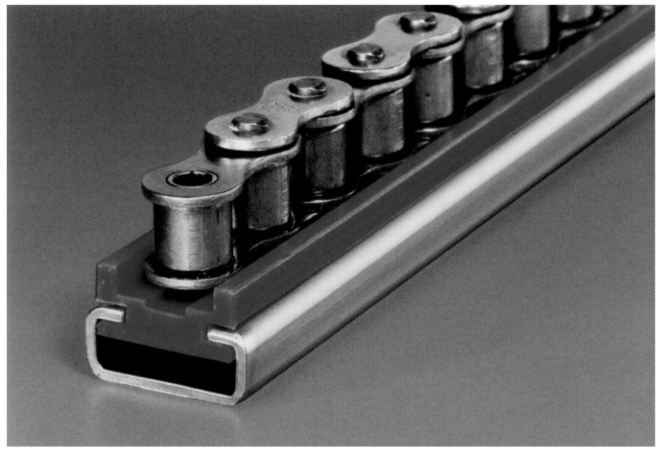


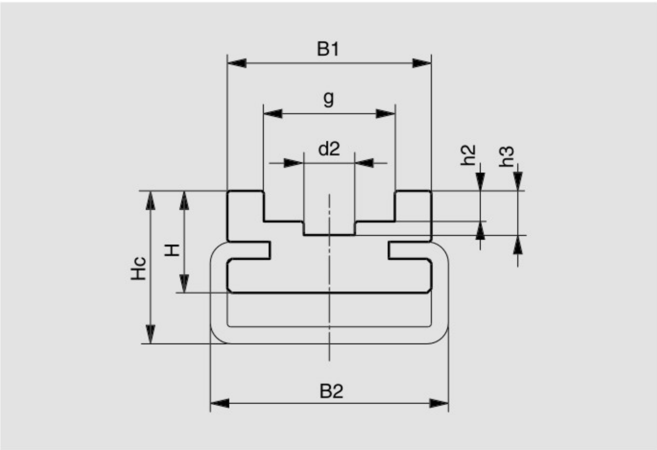


TYPE CU 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B1	B2	H	Hc	d2	g	h2	h3	Article no.	Availability
-	3/8“ x 5/32“		20		14	17	4	9.4	2.8	4.2	221 310 011	●
		C3		20							351 020 003	●
06B-1	3/8“ x 7/32“		20		14	17	4	9.4	2.8	4.2	221 310 013	○
		C3		20							351 020 003	○
083-1	1/2“ x 3/16“		20		14	17	5	10.8	2.3	3.8	221 310 015	●
		C3		20							351 020 003	●
085-1	1/2“ x 1/4“		28		14	18	5	11.8	3.2	4.7	221 310 017	○
		C5		28							351 020 005	○
g=12.8mm	1/2“ x 1/4“		28		14	18	5	12.8	3.5	5.0	221 310 019	○
		C5		28							351 020 005	○
08B-1	1/2“ x 5/16“		20		10	11	5	12.8	3.5	5.0	221 310 012	●
		C1		24							351 020 001	●
-	5/8“ x 1/4“		24		12	18	6	15.4	3.6	5.2	221 310 021	●
		C5		28							351 020 005	●
10B-1	5/8“ x 3/8“		24		12	18	6	15.4	3.6	5.0	221 310 014	●
		C5		28							351 020 005	●
12B-1	3/4“ x 7/16“		24		12	18	7	17.0	3.9	5.7	221 310 016	●
		C5		28							351 020 005	●
16B-1	1“ x 17mm		33		20	30	10	24.0	8.4	10.6	221 310 018	●
		C9		38							351 020 009	●
20B-1	1 1/4“ x 3/4“		60		25	35	11	28.0	10.0	12.2	221 310 020	●
		C12		60							351 020 012	●
24B-1	1 1/2“ x 1“		60		30	40	16	36.6	13.0	16.0	221 310 022	●
		C12		60							351 020 012	●
28B-1	1 3/4“ x 31mm		65		38	45	17	40.0	16.0	18.0	221 310 023	○
		C12		60							351 020 012	○
32B-1	2“ x 31mm		70		38	45	20	44.6	16.0	20.0	221 310 024	○
		C12		60							351 020 012	○

● Stocked ○ Available within 10 days Dimensions in mm



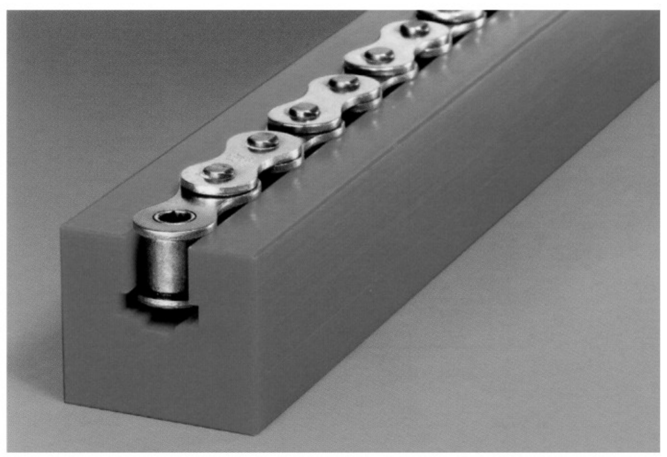


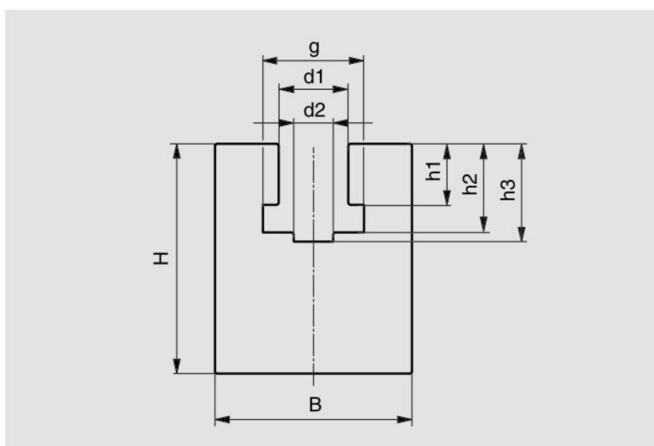
德國 CHAIN, BELT, AND SLIDING GUIDES

TYPE K 型

DIN 8187 chain no.	Chain dimensions in inches	B	H	d1	d2	g	h1	h2	h3	Article no.	Avail-ability
-	3/8‘‘ x 5/32‘‘	20	25	6.6	4	9.4	3.6	7.0	8.0	221 110 026	○
06B-1	3/8‘‘ x 7/32‘‘	20	25	6.6	4	9.4	5.5	8.9	10.0	221 110 027	●
083-1	1/2‘‘ x 3/16‘‘	20	25	8.0	5	10.8	4.5	8.0	9.5	221 110 028	○
085-1	1/2‘‘ x 1/4‘‘	24	30	8.0	5	11.8	6.2	9.8	11.3	221 110 029	○
g=12.8mm	1/2‘‘ x 1/4‘‘ *	24	30	8.8	5	12.8	6.2	10.2	11.7	221 110 030	○
08B-1	1/2‘‘ x 5/16‘‘	24	30	8.9	5	12.8	7.4	11.5	13.0	221 110 031	●
-	5/8‘‘ x 1/4‘‘	30	30	10.6	6	15.4	6.2	10.2	11.6	221 110 032	●
10B-1	5/8‘‘ x 3/8‘‘	30	35	10.6	6	15.4	9.3	13.5	14.9	221 110 033	●
12B-1	3/4‘‘ x 7/16‘‘	40	35	12.4	7	17.0	11.3	15.9	17.5	221 110 034	●
16B-1	1‘‘ x 17mm	40	45	16.4	10	24.0	16.0	25.7	27.7	221 110 035	●
20B-1	1 1/4‘‘ x 3/4‘‘	50	50	20.0	11	28.0	18.0	29.5	31.7	221 110 036	●
24B-1	1 1/2‘‘ x 1‘‘	60	60	27.0	16	36.6	24.0	38.2	41.2	221 110 037	●
28B-1	1 3/4‘‘ x 31mm	60	70	30.0	17	41.0	30.0	47.0	49.0	221 110 038	●
32B-1	2‘‘ x 31mm	70	75	31.0	19	44.6	30.0	47.3	50.0	221 110 039	○

● Stocked ○ Available within 10 days Dimensions in mm

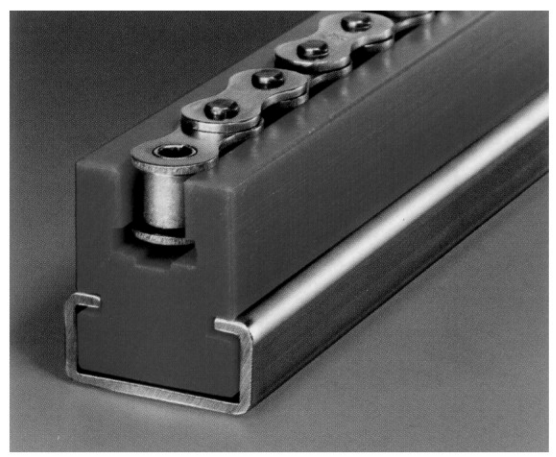


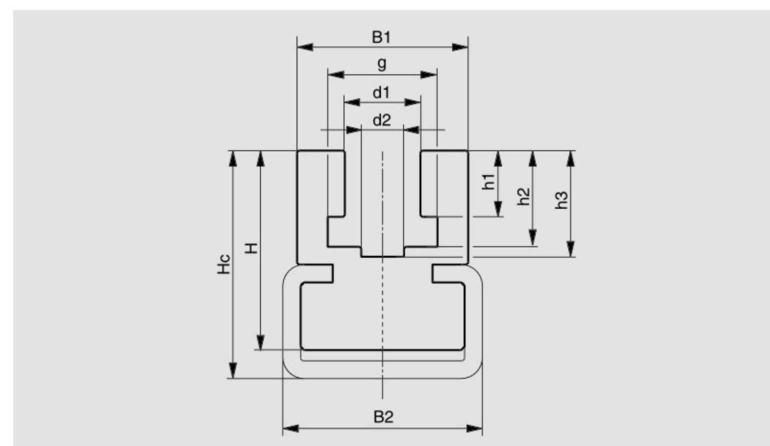


TYPE CK 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B1	B2	H	Hc	d1	d2	g	h1	h2	h3	Article no.	Availability
-	3/8‘‘ x 5/32‘‘		20		18	21	6.6	4	9.4	3.6	7.0	8.0	221 310 025	●
		C3		20									351 020 003	●
06B-1	3/8‘‘ x 7/32‘‘		20		18	21	6.6	4	9.4	5.5	8.9	10.0	221 310 026	●
		C3		20									351 020 003	●
083-1	1/2‘‘ x 3/16‘‘		20		18	21	8.0	5	10.8	4.5	8.0	9.5	221 310 027	○
		C3		20									351 020 003	○
085-1	1/2‘‘ x 1/4‘‘		24		28	32	8.0	5	11.8	6.2	9.8	11.3	221 310 028	○
		C7		28									351 020 007	○
g=12.8mm	1/2‘‘ x 1/4‘‘		24		28	32	8.8	5	12.8	6.2	10.2	11.7	221 310 029	○
		C7		28									351 020 007	○
08B-1	1/2‘‘ x 5/16‘‘		24		28	32	8.9	5	12.8	7.4	11.5	13.0	221 310 030	●
		C7		28									351 020 007	●
-	5/8‘‘ x 1/4‘‘		24		28	32	10.6	6	15.4	6.2	10.2	11.6	221 310 031	○
		C7		28									351 020 007	○
10B-1	5/8‘‘ x 3/8‘‘		24		28	32	10.6	6	15.4	9.3	13.5	14.9	221 310 032	●
		C7		28									351 020 007	●
12B-1	3/4‘‘ x 7/16‘‘		32		35	43	12.4	7	17.0	11.3	15.9	17.5	221 310 033	●
		C9		38									351 020 009	●
16B-1	1‘‘ x 17mm		40		45	50	16.4	10	24.0	16.0	25.7	27.7	221 310 034	●
		C9		38									351 020 009	●
20B-1	1 1/4‘‘ x 3/4‘‘		60		50	55	20.0	11	28.0	18.0	29.5	31.7	221 310 035	○
		C12		60									351 020 012	○
24B-1	1 1/2‘‘ x 1‘‘		60		60	65	27.0	16	36.6	24.0	38.2	41.2	221 310 036	○
		C12		60									351 020 012	○
28B-1	1 3/4‘‘x 31 mm		70		75	80	30.0	17	40.0	30.0	47.0	49.0	221 310 037	○
		C12		60									351 020 012	○
32B-1	2‘‘ x 31mm		70		75	80	31.0	19	44.6	30.0	47.3	50.0	221 310 038	○
		C12		60									351 020 012	○

● Stocked ○ Available within 10 days Dimensions in mm



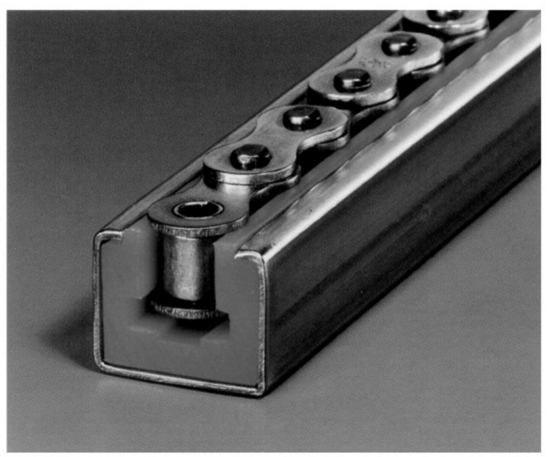


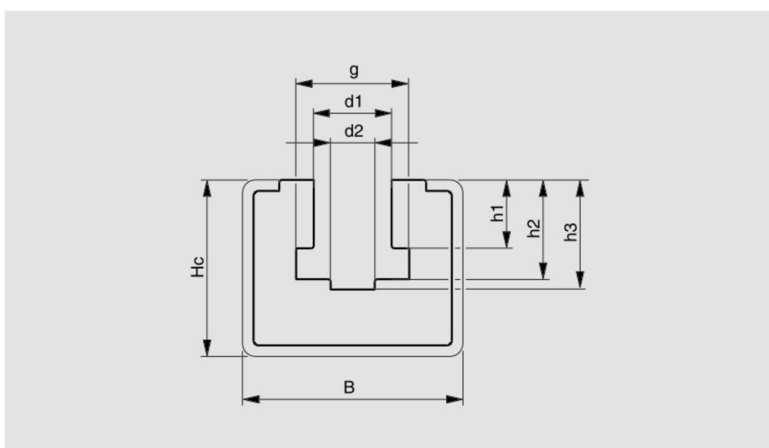
德國 CHAIN, BELT, AND SLIDING GUIDES

TYPE CKG 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B	Hc	d1	d2	g	h1	h2	h3	Article no.	Availability
-	3/8" x 5/32"		30	24	6.6	4	9.4	3.6	7.0	8.0	221 410 001	●
		C10									351 020 010	●
06B-1	3/8" x 7/32"		30	24	6.6	4	9.4	5.5	8.9	10.0	221 410 002	●
		C10									351 020 010	●
083-1	1/2" x 3/16"		30	24	8.0	5	10.8	4.5	8.0	9.5	221 410 003	●
		C10									351 020 010	●
085-1	1/2" x 1/4"		30	24	8.0	5	11.8	6.2	9.8	11.3	221 410 020	●
		C10									351 020 010	●
g=12.8mm	1/2" x 1/4"		30	24	8.8	5	12.8	6.2	10.2	11.7	221 410 021	○
		C10									351 020 010	○
08B-1	1/2" x 5/16"		30	24	8.9	5	12.8	7.4	11.5	13.0	221 410 004	●
		C10									351 020 010	●
-	5/8" x 1/4"		30	24	10.6	6	15.4	6.2	10.2	11.6	221 410 022	○
		C10									351 020 010	○
10B-1	5/8" x 3/8"		30	24	10.6	6	15.4	9.3	13.5	14.9	221 410 005	●
		C10									351 020 010	●
12B-1	3/4" x 7/16"		30	24	12.4	7	17.0	11.3	15.9	17.5	221 410 006	●
		C10									351 020 010	●
16B-1	1" x 17mm		45	40	16.4	10	24.0	16.0	25.7	27.7	221 410 007	●
		C11									351 020 011	●
20B-1	1 1/4" x 3/4"		45	40	20.0	11	28.0	18.0	29.5	31.7	221 410 008	●
		C11									351 020 011	●
24B-1	1 1/2" x 1"		65	55	27.0	16	36.6	24.0	38.2	41.2	221 410 009	●
		C13									351 020 013	●
28B-1	1 3/4" x 31mm		65	60	30.0	17	41.0	30.0	47.0	49.0	221 410 010	○
		C13									351 020 013	○
32B-1	2" x 31mm		65	60	31.0	19	44.6	30.0	47.3	50.0	221 410 011	○
		C13									351 020 013	○

● Stocked ○ Available within 10 days Dimensions in mm

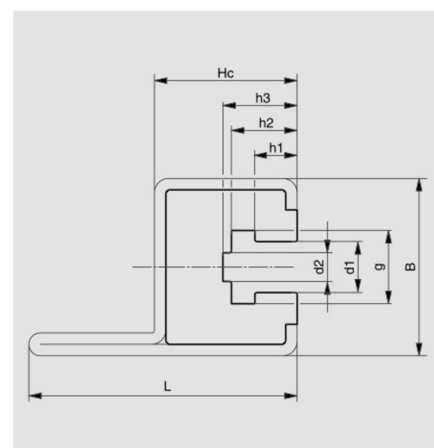




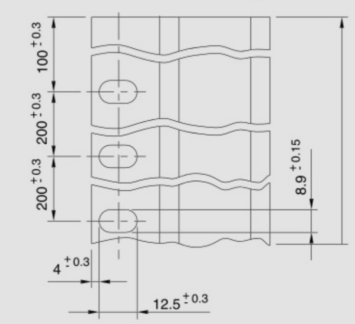
TYPE CKG 14 H 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B	Hc	L	d1	d2	g	h1	h2	h3	Article no.	Availability
-	3/8" x 5/32"		31	25	47	6.6	4	9.4	3.6	7.0	8.0	221 410 023	●
		C14H										351 020 014	●
06B-1	3/8" x 7/32"		31	25	47	6.6	4	9.4	5.5	8.9	10.0	221 410 012	●
		C14H										351 020 014	●
083-1	1/2" x 3/16"		31	25	47	8.0	5	10.8	4.5	8.0	9.5	221 410 024	●
		C14H										351 020 014	●
085-1	1/2" x 1/4"		31	25	47	8.0	5	11.8	6.2	9.8	11.3	221 410 025	●
		C14H										351 020 014	
g=12.8mm	1/2" x 1/4"		31	25	47	8.8	5	12.8	6.2	10.2	11.7	221 410 026	●
		C14H										351 020 014	●
08B-1	1/2" x 5/16"		31	25	47	8.9	5	12.8	7.4	11.5	13.0	221 410 013	●
		C14H										351 020 014	●
-	5/8" x 1/4"		31	25	47	10.6	6	15.4	6.2	10.2	11.6	221 410 027	●
		C14H										351 020 014	●
10B-1	5/8" x 3/8"		31	25	47	10.6	6	15.4	9.3	13.5	14.9	221 410 014	●
		C14H										351 020 014	●
12B-1	3/4" x 7/16"		31	25	47	12.4	7	17.0	11.3	15.9	17.5	221 410 015	●
		C14H										351 020 014	●

● Stocked ○ Available within 10 days Dimensions in mm



Punch hole in mounting rail

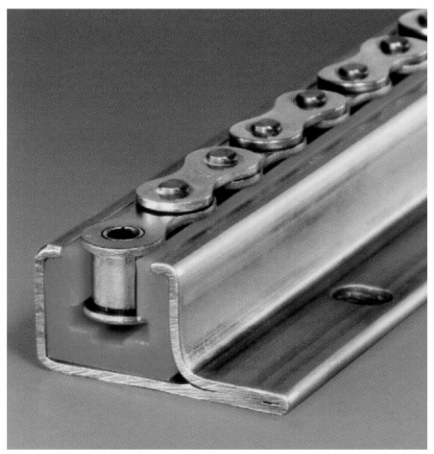


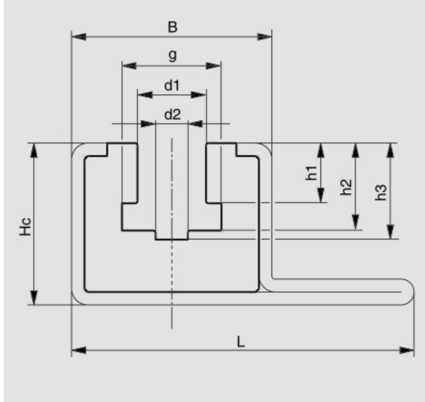
Hole spacing aggregate tolerances: Max. 0.75mm/m

TYPE CKG 15 V 型

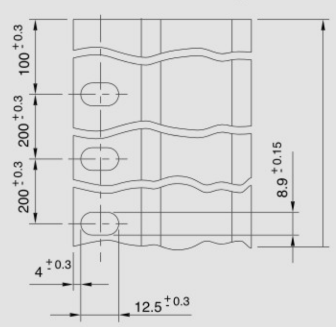
DIN 8187 chain no.	Chain dimensions in inches	C profile type	B	Hc	L	d_1	d_2	g	h_1	h_2	h_3	Article no.	Availability
-	3/8" x 5/32"		31	25	53	6.6	4	9.4	3.6	7.0	8.0	221 410 028	●
		C15V										351 020 015	●
06B-1	3/8" x 7/32"		31	25	53	6.6	4	9.4	5.5	8.9	10.0	221 410 016	●
		C15V										351 020 015	●
083-1	1/2" x 3/16"		31	25	53	8.0	5	10.8	4.5	8.0	9.5	221 410 029	●
		C15V										351 020 015	●
085-1	1/2" x 1/4"		31	25	53	8.0	5	11.8	6.2	9.8	11.3	221 410 030	●
		C15V										351 020 015	●
g=12.8mm	1/2" x 1/4"		31	25	53	8.8	5	12.8	6.2	10.2	11.7	221 410 031	●
		C15V										351 020 015	●
08B-1	1/2" x 5/16"		31	25	53	8.9	5	12.8	7.4	11.5	13.0	221 410 017	●
		C15V										351 020 015	●
-	5/8" x 1/4"		31	25	53	10.6	6	15.4	6.2	10.2	11.6	221 410 032	●
		C15V										351 020 015	●
10B-1	5/8" x 3/8"		31	25	53	10.6	6	15.4	9.3	13.5	14.9	221 410 018	●
		C15V										351 020 015	●
12B-1	3/4" x 7/16"		31	25	53	12.4	7	17.0	11.3	15.9	17.5	221 410 019	●
		C15V										351 020 015	●

● Stocked ○ Available within 10 days Dimensions in mm





Punch hole in mounting rail



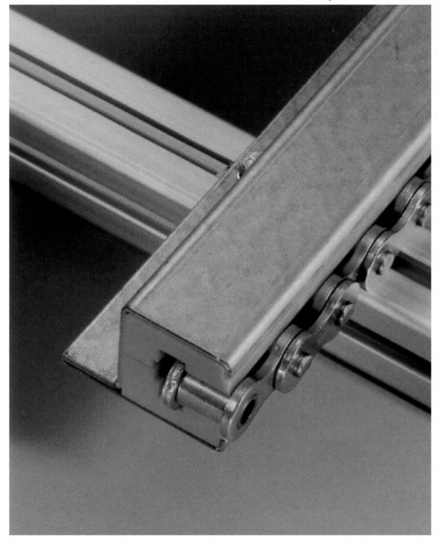
Hole spacing aggregate tolerances: Max. 0.75 mm/m

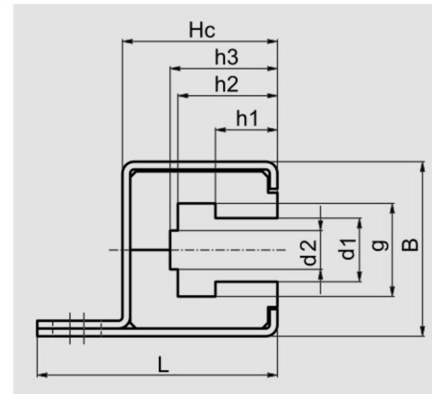
TYPE CKG 16 H 型

NEW! 新

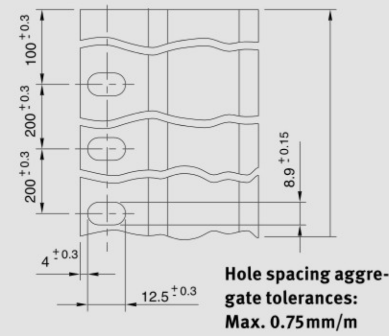
DIN 8187 chain no.	Chain dimensions in inches	C profile type	B	Hc	L	d_1	d_2	g	h_1	h_2	h_3	Article no.	Availability
16B-1	1" x 17mm		45	40		16.4	10	24	16	25.7	27.7	221 410 033	●
		C16H			62							351 020 316	●
20B-1	1 1/4" x 3/4"		45	40		20.0	11	28	18	29.5	31.7	221 410 034	●
		C16H			62							351 020 316	●

● Stocked ○ Available within 10 days Dimensions in mm



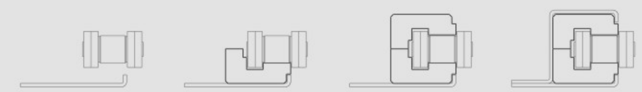


Punch hole in mounting rail



Hole spacing aggregate tolerances: Max. 0.75 mm/m

For more info, see page 72

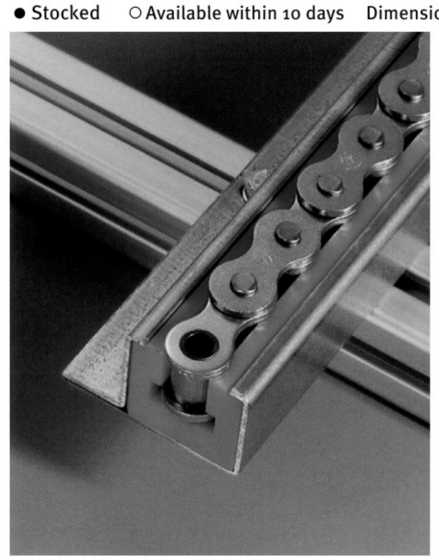


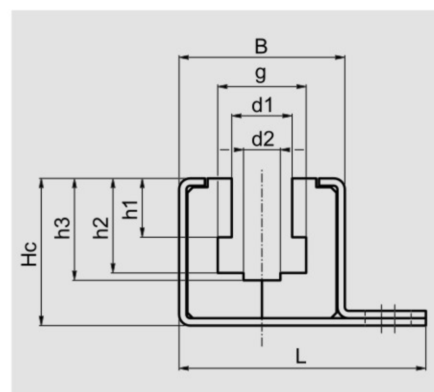
TYPE CKG 17 V 型

NEW! 新

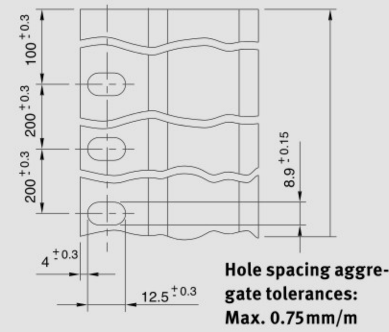
DIN 8187 chain no.	Chain dimensions in inches	C profile type	B	Hc	L	d_1	d_2	g	h_1	h_2	h_3	Article no.	Availability
16B-1	1" x 17mm		45	40		16.4	10	24	16	25.7	27.7	221 410 035	●
		C17V			67							351 020 317	●
20B-1	1 1/4" x 3/4"		45	40		20.0	11	28	18	29.5	31.7	221 410 036	●
		C17V			67							351 020 317	●

● Stocked ○ Available within 10 days Dimensions in mm



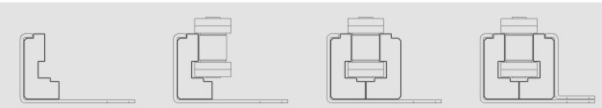


Punch hole in mounting rail



Hole spacing aggregate tolerances: Max. 0.75 mm/m

For more info, see page 72

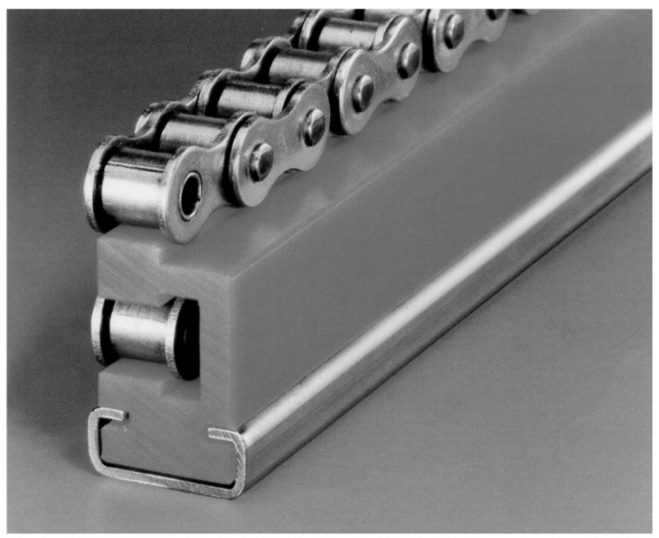


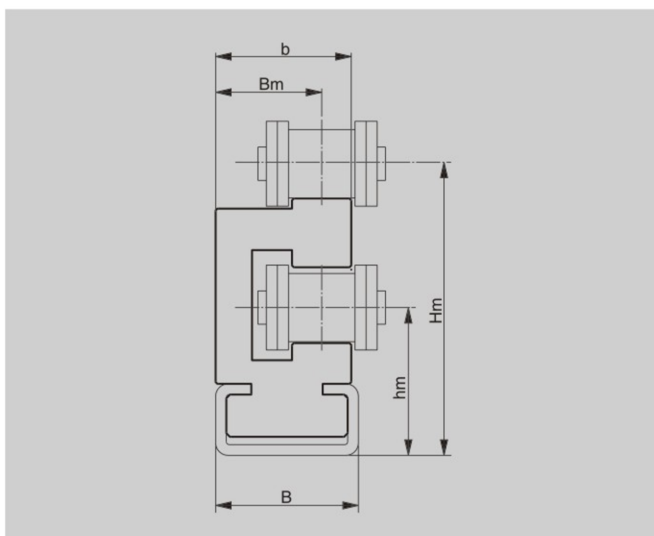
Double-Decker Guides for Roller Chains as per DIN 8187

TYPE ETA 型

DIN 8187 chain no.	Chain dimensions in inches	C profile type	B	Hm	b	Bm	hm	Article no.	Availability
06B-1	3/8“ x 7/32“		20	30.2	17	14.5	17	221 310 039	●
		C3						351 020 003	●
08B-1	1/2“ x 5/16“		20	33.8	20	16.5	18	221 310 040	●
		C3						351 020 003	●
10B-1	5/8“ x 3/8“		20	41.1	20	15.5	21	221 310 041	●
		C3						351 020 003	●
12B-1	3/4“ x 7/16“		28	46.5	24	18.5	24	221 310 042	●
		C5						351 020 005	●
16B-1	1“ x 17mm		38	62.0	33	25.0	34	221 310 043	○
		C9						351 020 009	○

● Stocked ○ Available within 10 days Dimensions in mm

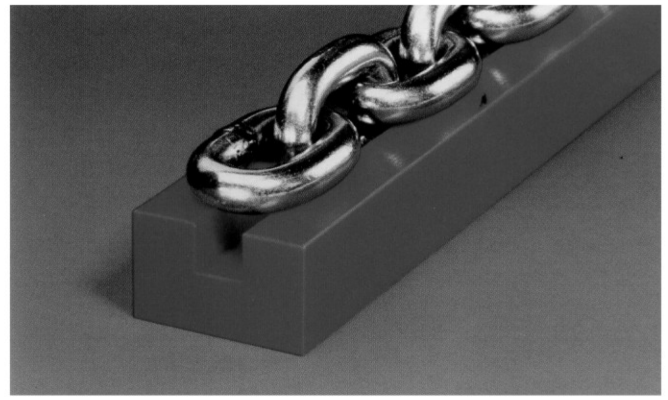


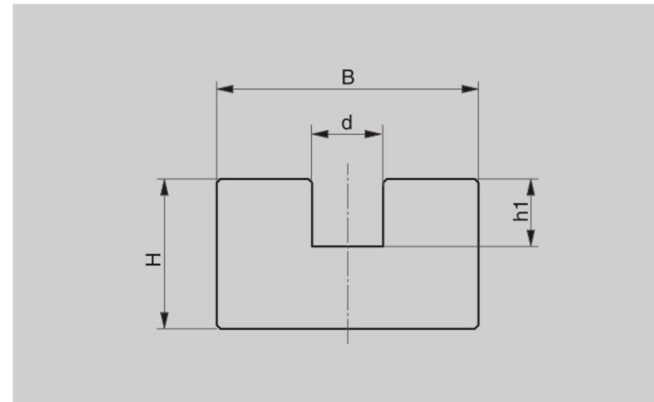


Chain guides for round link chains as per DIN 766/764

TYPE R 型

Nominal thickness d, DIN 766/764	B	H	d	h1	Article no.	Availability
6	30	15	7.0	7	231 010 001	●
8	38	20	9.0	9	231 010 002	●
10	45	25	11.5	11	231 010 003	●
13	55	30	15.0	15	231 010 004	●

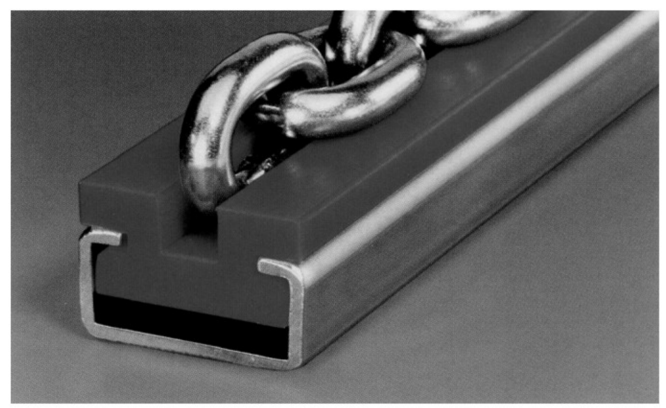


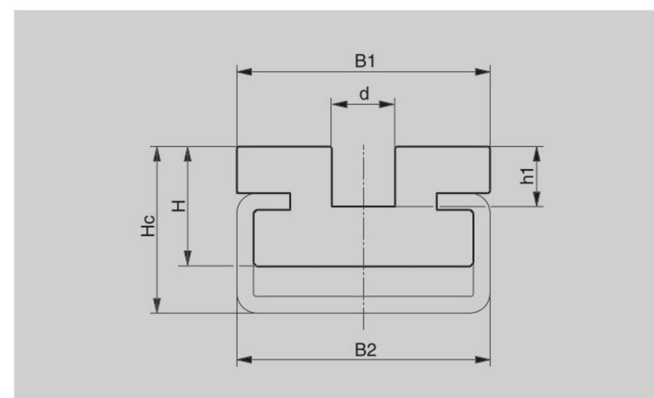


TYPE CRU 型

Nominal thickness d, DIN 766/764	C profile type	B1	B2	H	Hc	d	h1	Article no.	Availability
6		30		14	18	7.0	7	231 110 005	●
	C5		28					351 020 005	●
8		38		18	25	9.5	9	231 110 006	●
	C9		38					351 020 009	●
10		45		18	28	11.5	11	231 110 007	●
	C9		38					351 020 009	●
13		60		25	33	15.0	15	231 110 008	●
	C12		60					351 020 012	●

● Stocked ○ Available within 10 days Dimensions in mm For round link chains that do not comply with DIN 766 or DIN 764 please specify dimensions.

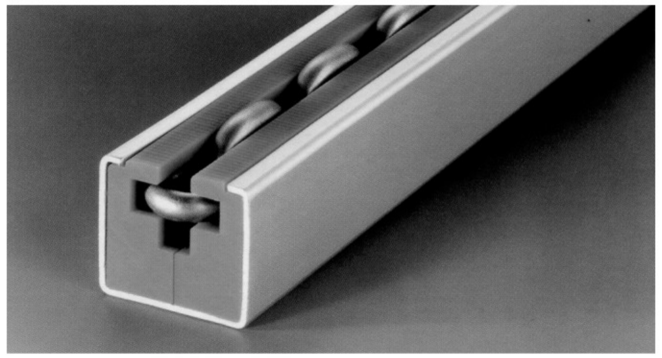


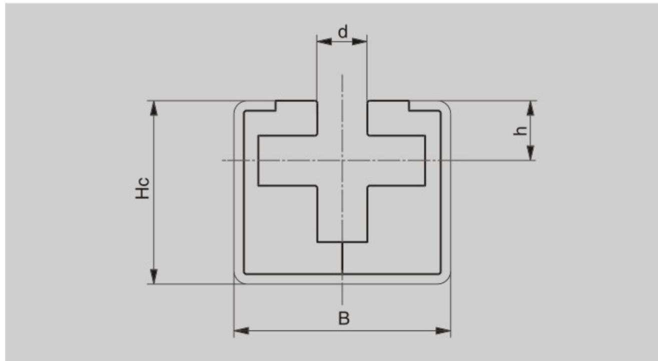


TYPE CRG 型

Nominal thickness d. DIN 766/764	C profile type	B	Hc	d	h	Article no.	Availability
6			40	7.0	8.0	231 110 009	●
	C11	45				351 020 011	●
8			40	9.5	9.5	231 110 010	●
	C11	45				351 020 011	●
10			55	11.5	14.0	231 110 011	●
	C13	65				351 020 013	●
13			55	15.0	18.0	231 110 012	●
	C13	65				351 020 013	●

● Stocked ○ Available within 10 days Dimensions in mm

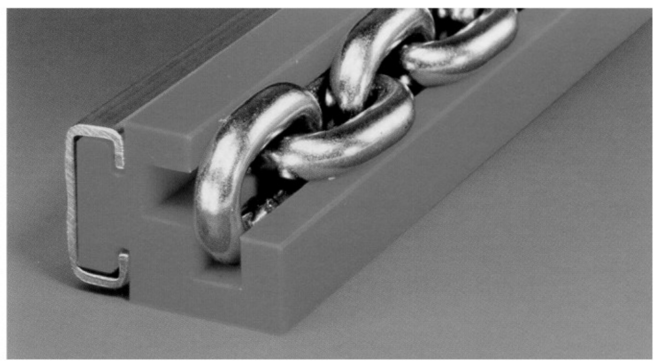


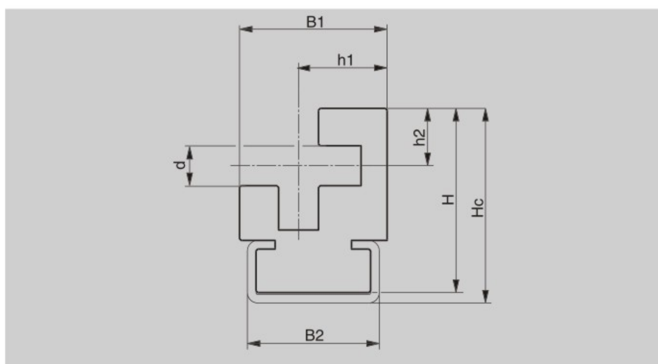


TYPE CRO 型

Nominal thickness d. DIN 766/764	C profile type	B1	B2	H	Hc	d	h1	h2	Article no.	Availability
6		27.0		32	34	7.0	17.5	10.5	231 110 001	●
	C3		20						351 020 003	●
8		32.0		39	42	9.5	20.5	12.5	231 110 002	●
	C5		28						351 020 005	●
10		42.5		53	56	11.5	25.5	16.5	231 110 003	●
	C9		38						351 020 009	●
13		60.0		67	70	15.0	33.5	20.5	231 110 004	●
	C12		60						351 020 012	●

● Stocked ○ Available within 10 days Dimensions in mm For round link chains that do not comply with DIN 766 or DIN 764 please specify dimensions.





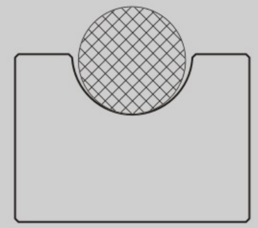
OVERVIEW OF BELT GUIDES 皮帶導軌外形

Plastic instead of metal 塑料取代金屬

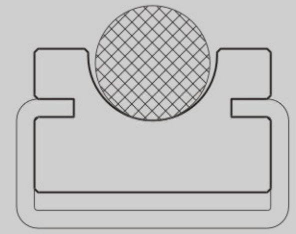
金屬制的皮帶導軌會與皮帶産生較大的摩擦，選用"S"黑色防静電材料□的皮帶導軌可以減少皮帶與導軌的勞損，從而減低操作能源的損耗。材料"S"黑色防静電適用于圓皮帶、V型皮帶、齒形帶和履帶齒帶。

Belt guides made of metal cause a great deal of friction on the belts. By choosing a belt guide made of Material "S"® Black Antistatic, you considerably reduce this wear. In addition, you save on drive energy thanks to the reduced static friction. Material "S"® Black Antistatic is suitable for use for round belts, V-belts, tooth belts and tracked tooth belts.

For round belts
圓皮帶

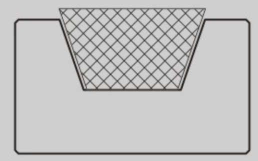


Type RR – page 101

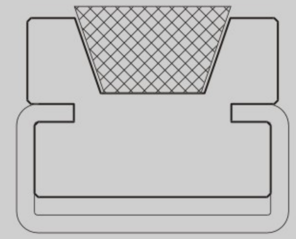


Type RRC – page 101

For V-belts as per DIN 2215
V型皮帶 (DIN 2215)

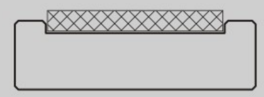


Type KR – page 102

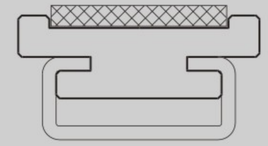


Type KRC – page 103

For tooth belts
齒形帶

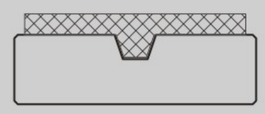


Type FR – page 104

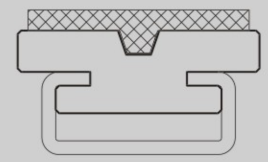


Type FRC – page 105

For tracked tooth belts
履帶齒帶



Type FK – page 106



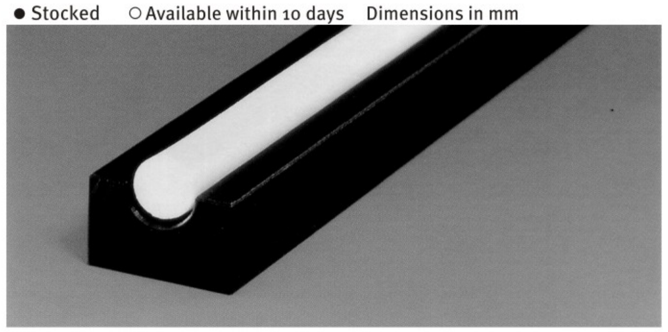
Type FKC – page 106

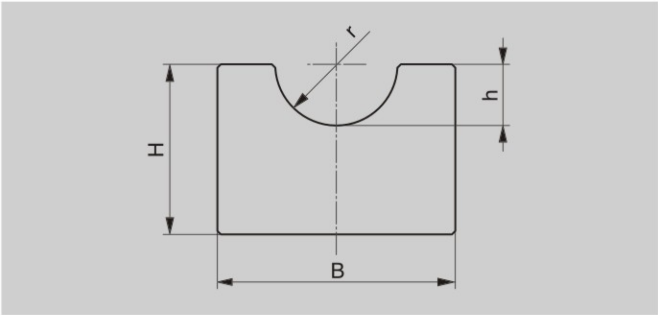
Guides for Round Belts 圓帶導軌

TYPE RR 型

Belt type/Ø	B	H	h	r	Article no.	Availability
5.0	20	10	3	3	231 010 027	●
6.3	20	10	4	4	231 010 028	●
8.0	20	12	5	5	231 010 029	●
9.5	25	15	6	6	231 010 030	●
12.5	28	20	8	7	231 010 031	●
15.0	33	25	10	9	231 010 032	●
18.0	38	25	12	10	231 010 033	●

● Stocked ○ Available within 10 days Dimensions in mm

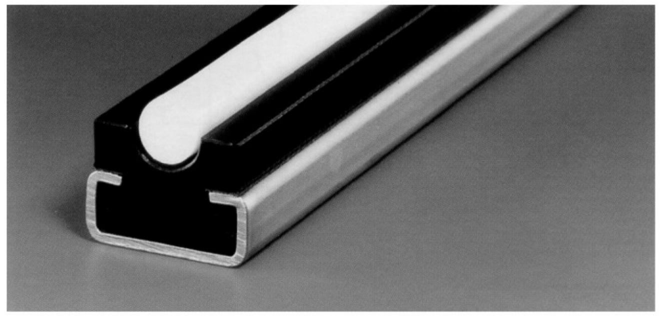


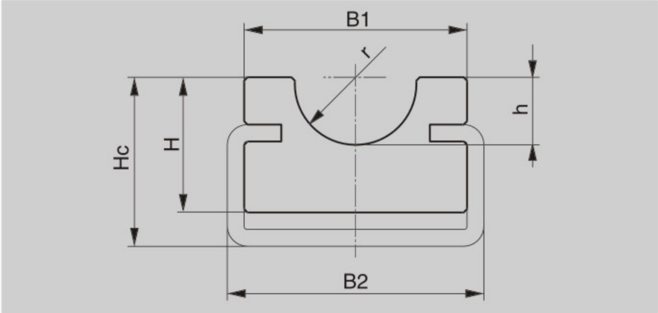


TYPE RRC 型

Belt type/Ø	C profile type	B1	B2	H	Hc	h	r	Article no.	Availability
5.0		20		10	15	3	3	231 110 035	●
	C3		20					351 020 003	●
6.3		20		15	18	4	4	231 110 036	●
	C3		20					351 020 003	●
8.0		20		15	18	5	5	231 110 037	●
	C3		20					351 020 003	●
9.5		25		15	20	6	6	231 110 038	●
	C5		28					351 020 005	●
12.5		28		15	20	8	7	231 110 039	●
	C5		28					351 020 005	●
15.0		33		20	25	10	9	231 110 040	●
	C9		38					351 020 009	●
18.0		38		20	25	12	10	231 110 041	●
	C9		38					351 020 009	●

● Stocked ○ Available within 10 days Dimensions in mm



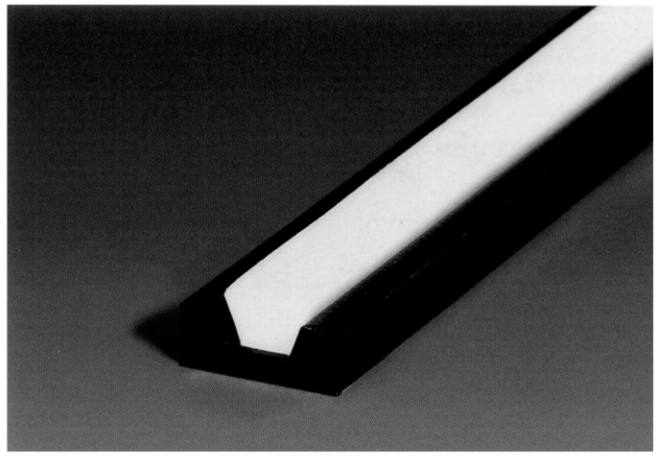


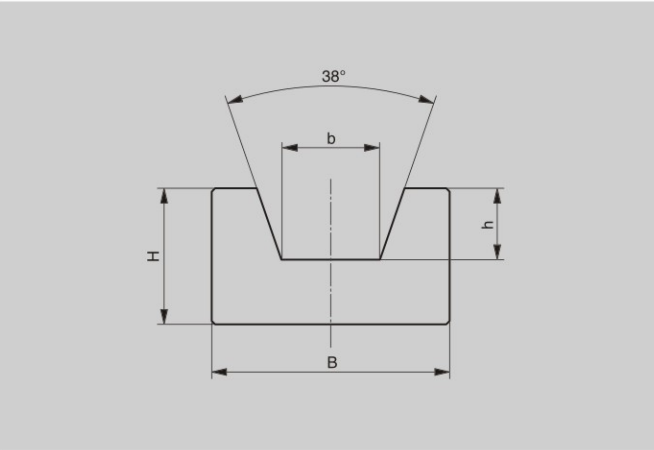
Guides for V-belts as per DIN 2215 V型帶導軌

TYPE KR 型

Belt type/b x h	B	H	b	h	Article no.	Availability
8 x 5	20	10	6.0	3.5	231 511 005	○
10 x 6	20	10	7.2	4.5	231 511 006	●
13 x 8	20	12	9.2	6.0	231 511 007	●
17 x 11	30	15	11.5	8.0	231 511 008	●
20 x 12.5	30	20	13.5	9.0	231 511 009	○
22 x 14	35	20	14.5	10.5	231 511 010	●
25 x 16	40	25	16.5	12.0	231 511 011	○
32 x 20	50	30	21.0	16.0	231 511 012	○
40 x 25	60	35	26.0	21.0	231 511 013	○

● Stocked ○ Available within 10 days Dimensions in mm

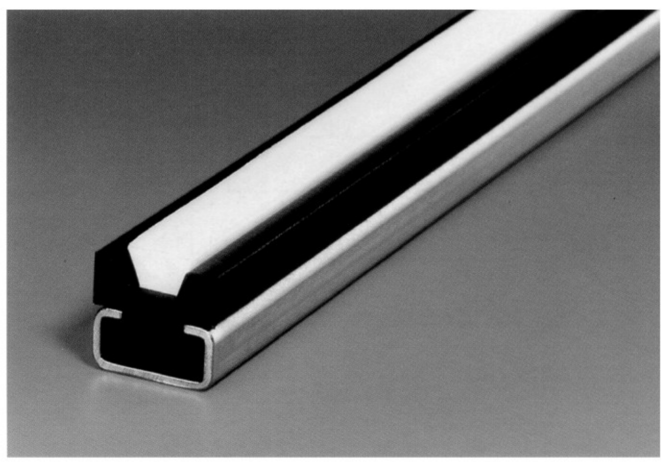


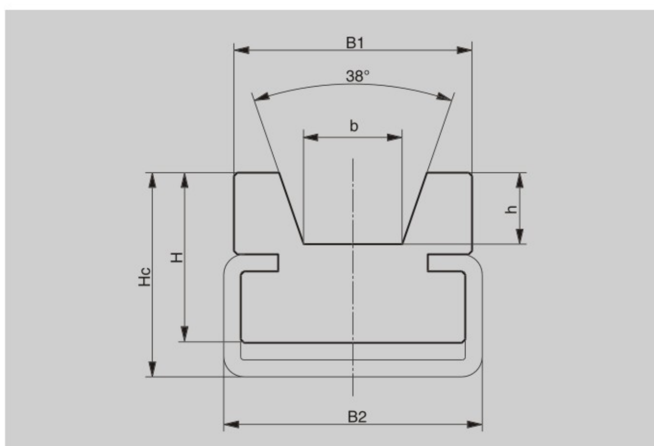


TYPE KRC 型

Belt type/b x h	C profile type	B1	B2	H	Hc	b	h	Article no.	Availability
8 x 5		20		10	15	6.0	3.5	231 110 013	●
	C3		20					351 020 003	●
10 x 6		20		15	18	7.2	4.5	231 110 014	●
	C3		20					351 020 003	●
13 x 8		25		18	22	9.2	6.0	231 110 015	●
	C5		28					351 020 005	●
17 x 11		30		18	24	11.5	8.0	231 110 016	●
	C5		28					351 020 005	●
20 x 12.5		30		18	24	13.5	9.0	231 110 017	●
	C5		28					351 020 005	●
22 x 14		35		25	30	14.5	10.5	231 110 018	●
	C9		38					351 020 009	●
25 x 16		40		25	32	16.5	12.0	231 110 019	●
	C9		38					351 020 009	●
32 x 20		60		35	40	21.0	16.0	231 110 020	●
	C12		60					351 020 012	●
40 x 25		60		35	40	26.0	21.0	231 110 021	●
	C12		60					351 020 012	●

● Stocked ○ Available within 10 days Dimensions in mm



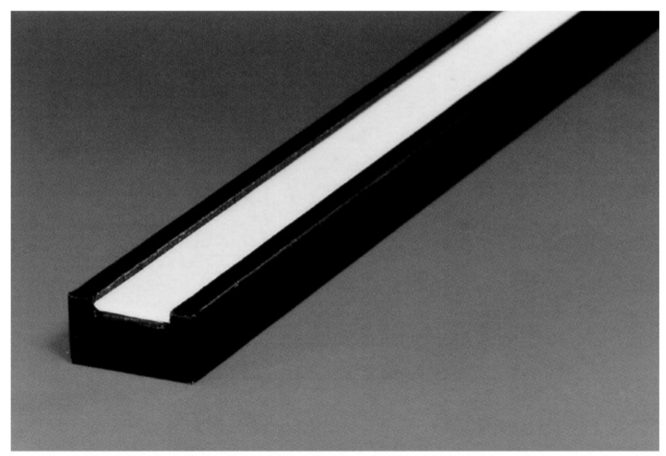


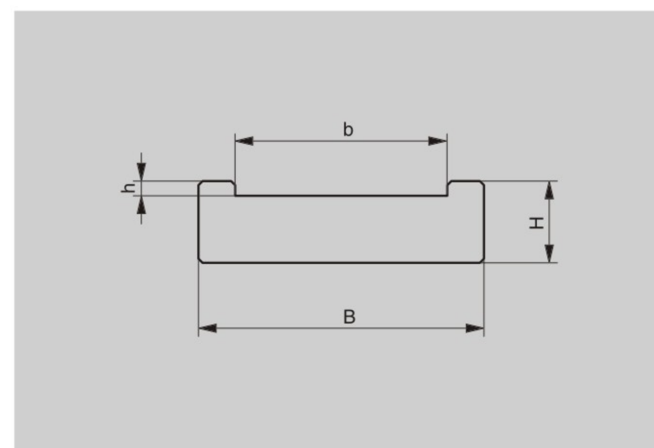
Guides for tooth belts 齒型帶導軌

TYPE FR 型

Belt type	B	H	b	h	Article no.	Availability
25/T5	35	10	26	1.8	231 010 014	●
32/T5	45	12	33	1.8	231 010 015	●
25/T10	35	12	26	3.8	231 010 016	●
32/T10	45	12	33	3.8	231 010 017	●
50/T10	65	15	51	3.8	231 010 018	●
75/T10	90	15	76	3.8	231 010 019	●
100/T10	115	18	101	3.8	231 010 020	●

● Stocked ○ Available within 10 days Dimensions in mm

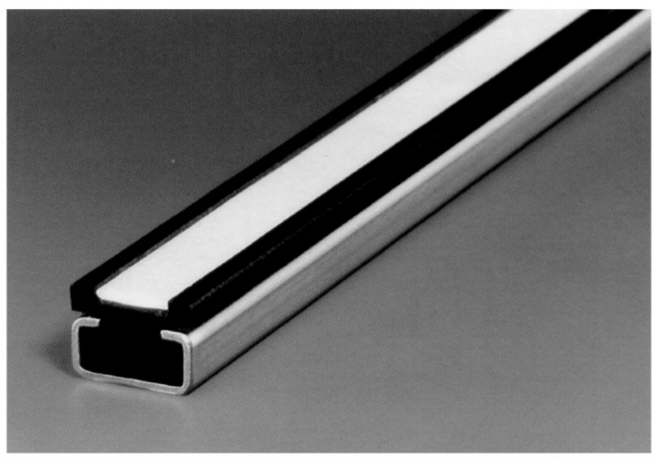


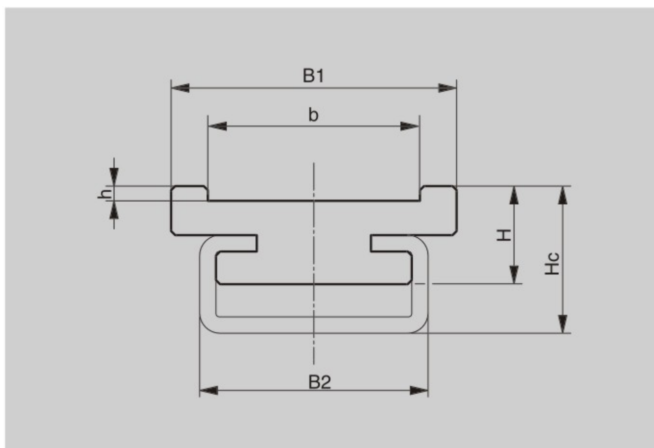


TYPE FRC 型

Belt type	C profile type	B1	B2	H	Hc	b	h	Article no.	Availability
25/T5		35		12	18	26	1.8	231 110 022	●
	C5		28					351 020 005	●
32/T5		45		12	18	33	1.8	231 110 023	●
	C5		28					351 020 005	●
25/T10		35		15	20	26	3.8	231 110 024	●
	C5		28					351 020 005	●
32/T10		45		15	20	33	3.8	231 110 025	●
	C5		28					351 020 005	●
50/T10		65		18	20	51	3.8	231 110 026	●
	C4		50					351 020 004	●
75/T10		90		18	20	76	3.8	231 110 027	●
	C6		80					351 020 006	●
100/T10		115		18	20	101	3.8	231 110 028	●
	C6		80					351 020 006	●

● Stocked ○ Available within 10 days Dimensions in mm





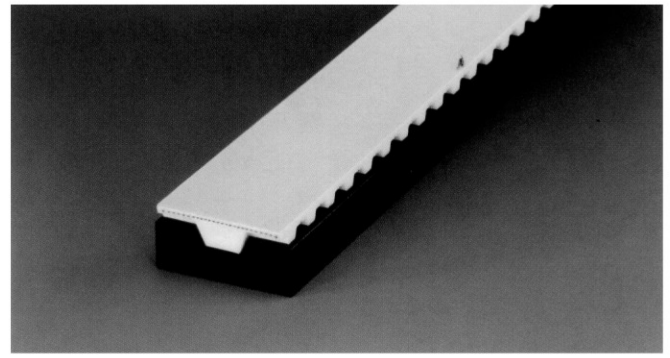
Guides for tracked tooth belts

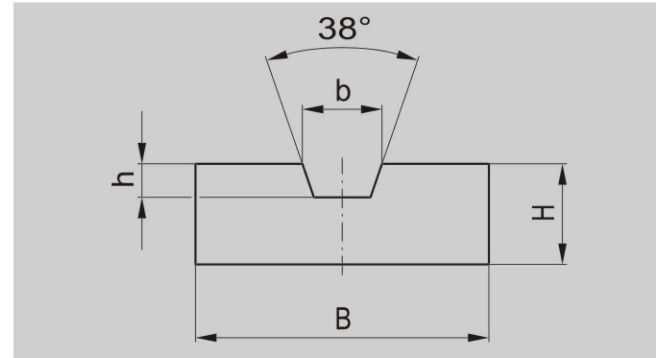
TYPE FK 型

Belt type	B	H	b	h	Article no.	Availability
25/TK5	28	10	6.0	3.5	231 010 021	●
32/TK5	35	10	6.0	3.5	231 010 022	●
32/TK10*	35	12	9.5	4.0	231 010 023	●
50/TK10*	55	12	9.5	4.0	231 010 024	●
75/TK10	80	15	13.0	5.0	231 010 025	●
100/TK 10	105	15	13.0	5.0	231 010 026	●

● Stocked ○ Available within 10 days Dimensions in mm

* Standard for V-profile 10 x 6; specify any deviations!



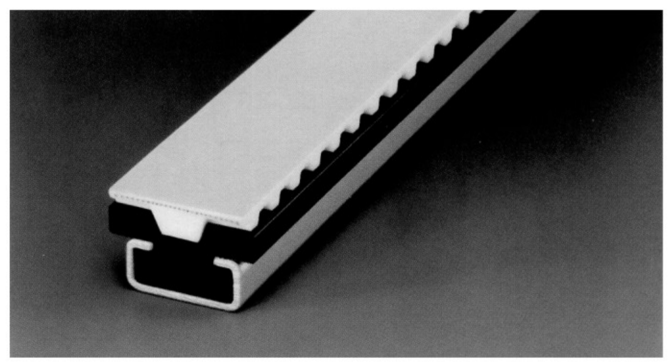


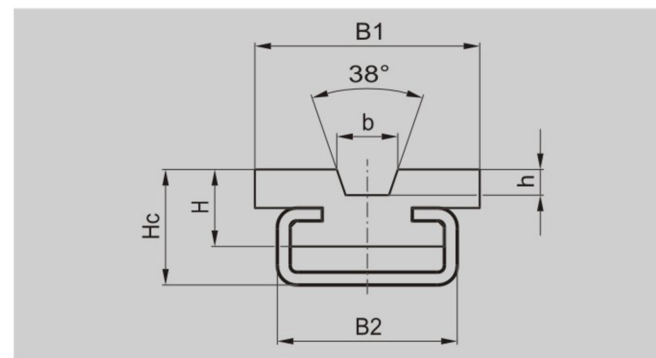
TYPE FKC 型

Belt type	C profile type	B1	B2	H	Hc	b	h	Article no.	Availability
25/TK 5		28		12	18	6.0	3.5	231 110 029	●
	C5		28					351 020 005	●
32/TK 5		35		12	18	6.0	3.5	231 110 030	●
	C5		28					351 020 005	●
32/TK10*		35		12	18	9.5	4.0	231 110 031	●
	C5		28					351 020 005	●
50/TK10*		55		15	18	9.5	4.0	231 110 032	●
	C4		50					351 020 004	●
75/TK10		80		15	18	13.0	5.0	231 110 033	●
	C6		80					351 020 006	●
100/TK10		105		15	18	13.0	5.0	231 110 034	●
	C6		80					351 020 006	●

● Stocked ○ Available within 10 days Dimensions in mm

* Standard for V-profile 10 x 6; specify any deviations!





德國 CHAIN, BELT, AND SLIDING GUIDES

SNAP-TRICK® 卡扣

The click connection trick

Aluminium profile systems are often used in conveying, production, and assembly machines. It takes a lot of effort to achieve a reliable connection with chain and belt guides. However, SNAP-TRICK® makes this easy!

The “profile with the click” has a variable connection element that is made of Material Murytal® C Natural. This enables the combination of Murtfeldt chain and belt guide profiles with any aluminium profile system. SNAP TRICK® is suitable for use with the system profiles of practically all well-known manufacturers.

Materials

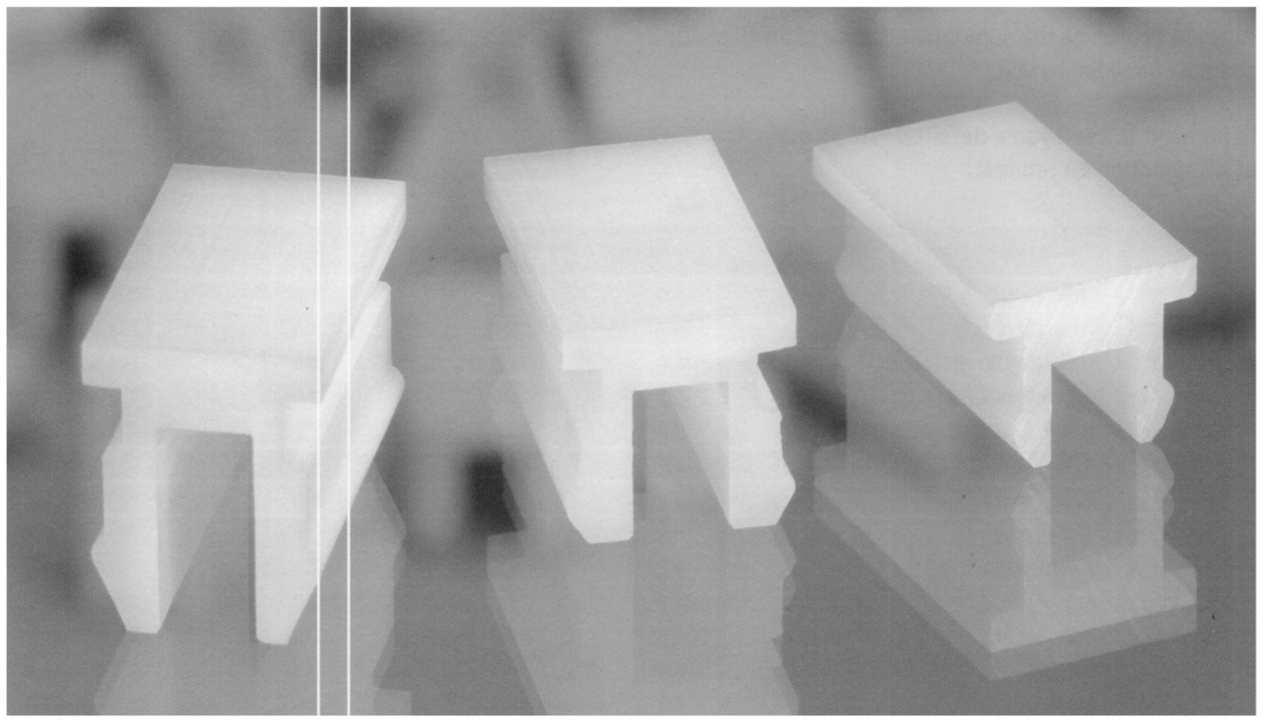
- Original Material ”S”® Black Antistatic
- We can deliver other slide materials on request

Lengths

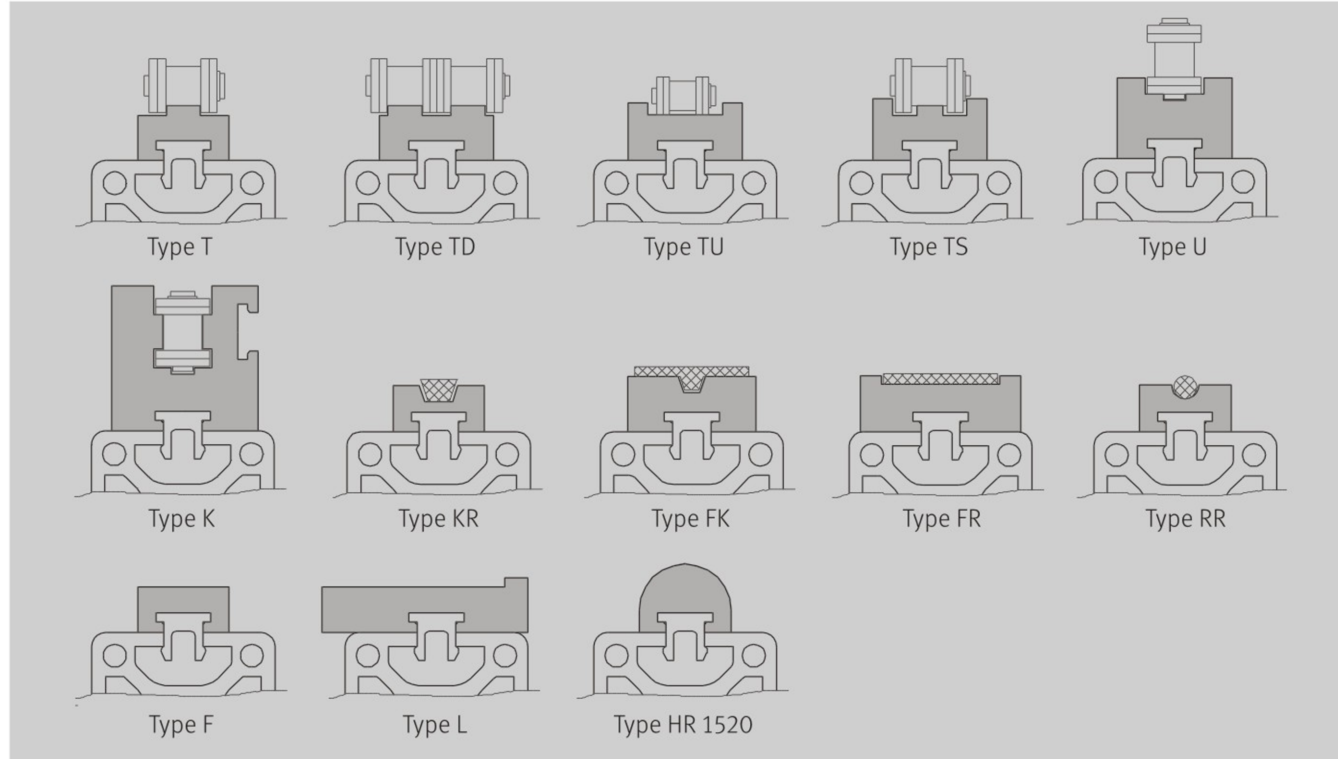
- Usually delivered in 2 m lengths
- If required, we can cut smaller parts from our standard lengths or manufacture longer one-piece guides
- Five SNAPs are supplied for every metre of profile length

Advantages of SNAP-TRICK® profiles

- Click connection provides quick assembly
- No tool required
- Profiles can be replaced by clicking the click connection – there is no need to pull profiles along the entire groove length
- Special SNAP variants enable attachment to flat surfaces without a groove
- The advantages of our standard range can be used without limitation



OVERVIEW OF TYPES FOR SELECTION 卡扣外形選擇



SNAP FOR ALL SCENARIOS

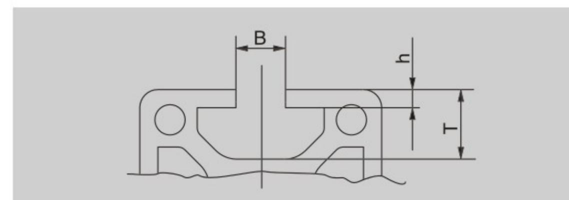
Overview of manufacturer compatibility

Always state the correct article number for your requirements. You receive 5 SNAPs free-of-charge for each metre of profile length. Regardless of the manufacturer, all SNAPs can be used as long as their B, T, and h dimensions (see below) match your groove dimensions. For article numbers for separate SNAP orders, see below. Customer orders: Send us the dimensions of your profile as a CAD drawing and state the profile manufacturer (see sketch). We are also happy to determine the appropriate choice of SNAP on the basis of a sample provided by you.

We will be pleased to send you a detailed PDF on our SNAP-TRICK® selection on request.

Example order

Item 1	221 511 005	2 m chain guides (2,000mm) for chain 08 B-1 incl. free SNAP S5 (221 539 105)
Item 2	221 530 105	1 bag of 50 SNAP S5 (additional)



SNAP	Quantity	Profile system manufacturers (examples)	Groove width B	Min. groove depth T	Side thickness (h)	Article no.
S1	50	ITEM. Paletti	5.0	6.0	1.8	221 530 101
S2	50	ITEM. Paletti	6.2	6.0	3.0	221 530 102
S3	50	ITEM. MiniTec (F). Paletti	8.0	11.0	4.5	221 530 103
S4	50	Bosch. MayTec. R+K	6.2	5.0	2.0	221 530 104
S5	50	Bauer. Bosch. MayTec	8.0	6.0	2.2	221 530 105
S6	50	R+K	10.2	8.0	4.5	221 530 106
S7	50	Bauer. Bosch	10.0	11.0	6.0	221 530 107
S8	50	R+K	10.2	10.0	7.0	221 530 108
S9	50	Paletti. MiniTec	8.2	6.0	2.5	221 530 109
S10	50	MK	6.2	6.5	2.0	221 530 110
S11	50	MK	10.3	12.0	3 (4)	221 530 111
S12	50	MayTec	8.2	12.5	4.0	221 530 112
S13	50	MayTec	8.2	11.5	3.0	221 530 113

PROFILES FOR CONVEYING AND TRANSPORTATION
輸送帶的應用

在飲料、包裝、食品和冷凍食品行業中，貨物和產品都要確保在生產綫輸送時不被受破壞，我們所提供的產品都可達到這些要求的。
In the beverage, packaging, food, and frozen food sectors in particular, goods and products must be transported in a reliable manner that protects them from damage. We offer a wide range of products to meet this requirement.

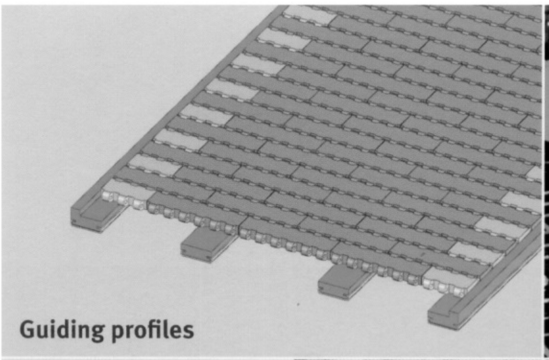
我們可以根據客户對輸送帶系統設計按圖進行生產，例如我們可以設計製造產品輸送系統，提供各類配件以滿足客户的要求。
We are happy to manufacture products on the basis of your drawings to meet the demands of your custom conveying and transport tasks. For example, we can produce carriers and work piece bearers for your conveyor belts. You can also obtain accessories such as switches and star wheels quickly and economically and in line with your requirements.

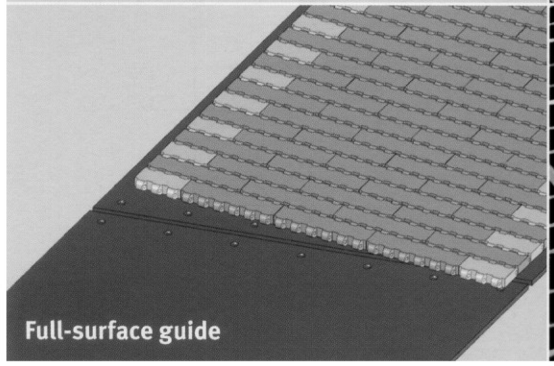
客户可以與我們的銷售部聯系，以取得更多有關的產品資料及建議。
Please contact our application technology department or one of our field staff. You can also join our consultants at an online conference where you can work together on your documents in real time.

For information on the required access software for online collaboration, see www.murtfeldt.com.

我們提供有關產品生產綫輸送技術等應用的產品：
We offer the following products for conveying/transportation technology:

- 滑動導軌
  Sliding guides
- 軌迹導向
  Rail guides
- 摩擦條
  Bands
- 吊挂裝置
  Clip-on profiles
- 滑動座外型
  Profiles for slat band chains
- 板式鏈弧型導軌
  Curve guides for slat band chains


Guiding profiles

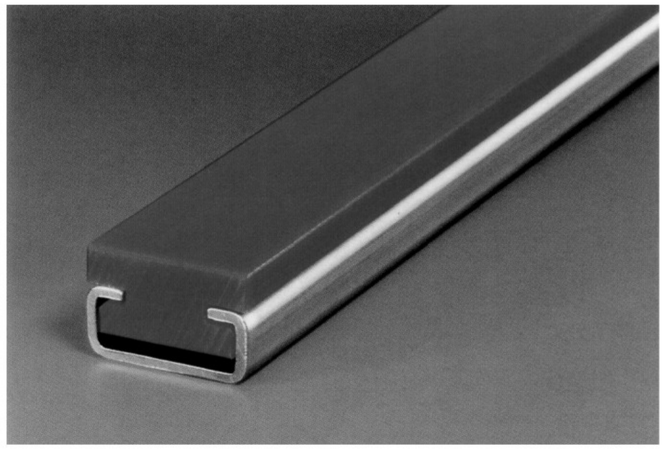

Full-surface guide

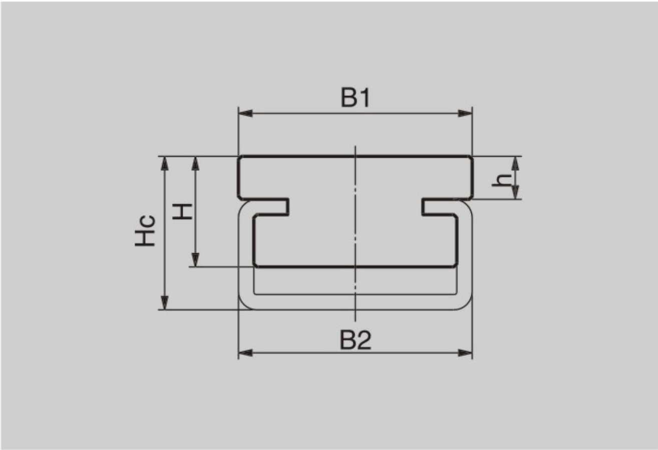
Sliding guides 滑動導軌
SLIDING GUIDES TYPE CF 型

"S" DIN 2768 2000 galvanized "S" 1000 V2A

Type	C profile type	B1	B2	H	Hc	h	Article no.	Availability
CF		20		5	6	1.0	211 010 001	●
	C1		24				351 020 001	●
CF		20		10	11	5.8	211 010 002	●
	C1		24				351 020 001	●
CF		20		10	14	4.0	211 010 003	●
	C3		20				351 020 003	●
CF		20		14	17	7.0	211 010 004	●
	C3		20				351 020 003	●
CF		20		16	20	10.0	211 010 005	●
	C3		20				351 020 003	●
CF		28		10	15	3.0	211 010 006	●
	C5		28				351 020 005	●
CF		28		14	18	6.0	211 010 007	●
	C5		28				351 020 005	●
CF		38		12	22	4.0	211 010 008	●
	C9		38				351 020 009	●
CF		38		18	25	7.0	211 010 009	●
	C9		38				351 020 009	●
CF		60		20	30	10.0	211 010 010	●
	C12		60				351 020 012	●
CF NEW!		50		18	20	10.0	211 010 011	○
	C4		50				351 020 004	●
CF NEW!		80		18	20	10.0	211 010 012	○
	C6		80				351 020 006	●

● Stocked ○ Available within 10 days Dimensions in mm





德國 CHAIN, BELT, AND SLIDING GUIDES

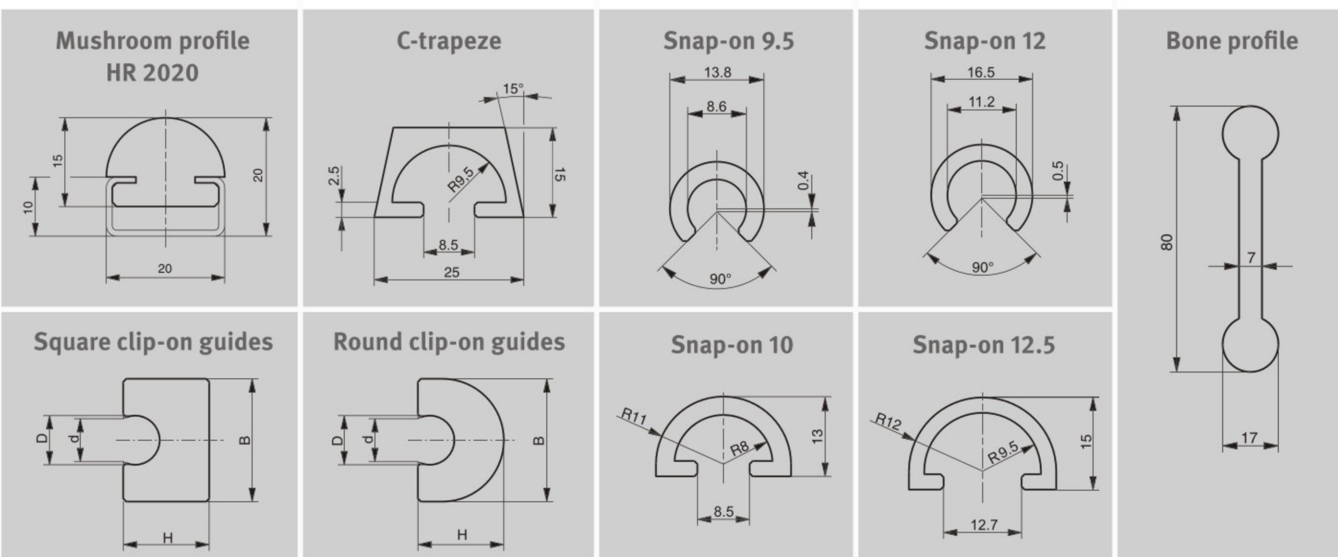
RAIL GUIDES 軌迹導向

As insertion and clip profiles

Rail profile	Delivery form	Delivery length in mm	Production method	Original Material"S"®	Article no.	Availability
Mushroom profile HR 2020	Profile	2000	Milled	Green	211 210 001	●
	C3	2000			351 020 003	●
	Profile	2000	Milled	Black antistatic	211 210 002	●
	C3	2000			351 020 003	●
	Profile	2000	Extruded	Green	211 210 003	●
	C3	2000			351 020 003	●

Rail profile	Delivery form	Delivery length in m	Production method	Original Material"S"®	Article no.	Availability
C-Trapez	Profile	2	Extruded	Natural	211 310 049	●
Snap-on 9.5	Roll	50	Extruded	Natural	211 310 045	●
Snap-on 12	Roll	50	Extruded	Natural	211 310 046	●
Snap-on 10	Roll	50	Extruded	Natural	211 310 047	●
Snap-on 12.5	Roll	50	Extruded	Natural	211 310 048	●
Bone profile	Profile	6	Extruded	Green	211 310 028	●
				Black	211 310 027	●

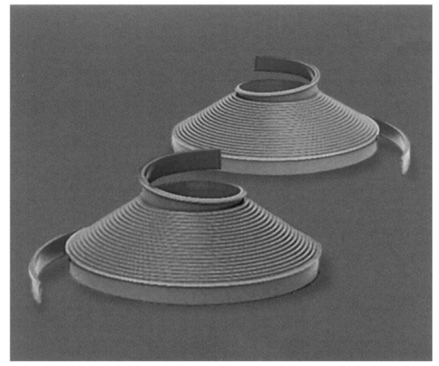
Clip-on rails for round steel bars	Dimensions H/B/d	Delivery length in mm	Production method	Original Material"S"®	Article no.	Availability
Square for round steel bar **D=8mm**	14/20/7.0	2000	Milled	Green	211 410 001	●
				Black antistatic	211 410 004	●
Square for round steel bar **D=10mm**	16/22/8.5	2000	Milled	Green	211 410 002	●
				Black antistatic	211 410 005	●
Square for round steel bar **D=12mm**	18/24/10	2000	Milled	Green	211 410 003	●
				Black antistatic	211 410 006	●
Round for round steel bar **D= 8mm**	14/20/7.0	2000	Milled	Green	211 410 007	●
				Black antistatic	211 410 010	●
Round for round steel bar **D=10mm**	16/22/8.5	2000	Milled	Green	211 410 008	●
				Black antistatic	211 410 011	●
Round for round steel bar **D= 12mm**	18/24/10	2000	Milled	Green	211 410 009	●
				Black antistatic	211 410 012	●



● Stocked ○ Available within 10 days Dimensions in mm Extruded profiles made of Material "S"® Black are **not** antistatic.

* For milled profiles. Tolerances as per DIN 16941 for extruded profiles.

BANDS 摩擦條



德國梅富牌塑料摩擦條適用于輸送食品等產品，我們提供三種不同的標準尺寸，也可以按客户的特殊要求生産非標的規格。
Murtfeldt plastic bands are ideally suited for transporting sensitive goods. They are available in three standard sizes. ntermediate and special dimensions are availableIon request.

We are happy to advise you on the correct choice of band. Please contact us.

Design 設計

可以選用"S"緑色材料或"S"黑色防静電材料
· Either in Original Material "S"® Green or Original Material "S"® Black Antistatic

如有需要，可以按要求在其中一面進行刮磨或燒灼，以便日後加工黏合。
· On request: Pre-treatment in the form of scraping and flaming on one side for later adhesion

Special designs 特殊設計

擠壓摩擦條
· Extruded bands

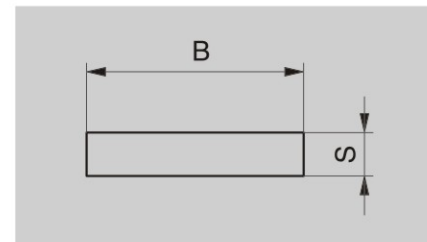
尺寸可以爲長度10mm~60mm，寬度6mm / 8mm / 10mm
· 6, 8 and 10mm in widths of between 10 and 60mm

Applications 産品應用行業

飲料、包裝、食品或冷凍食品加工行業
· Beverage, packaging, food, and frozen food sectors

Special properties 特性

耐磨度極高
· Extremely good wear resistance
吸震能力優越
· High shock and impact resistance



Bands made from Original Material "S"® 材料"S" 制造的摩擦條

寬度x厚度 Width (B) x thickness (S)	型號 Article no.
15 x 3	171 010 007
18 x 3	171 010 008
20 x 3	171 010 009
22 x 3	171 010 010
25 x 3	171 010 011
30 x 3	171 010 012
35 x 3	171 010 013
40 x 3	171 010 014
45 x 3	171 010 016
50 x 3	171 010 017
60 x 3	171 010 019
70 x 3	171 010 020
80 x 3	171 010 021
90 x 3	171 010 023
100 x 3	171 010 024
111 x 3	171 010 025

寬度x厚度 Width (B) x thickness (S)	型號 Article no.
20 x 4	171 010 026
25 x 4	171 010 027
30 x 4	171 010 028
40 x 4	171 010 030
50 x 4	171 010 032

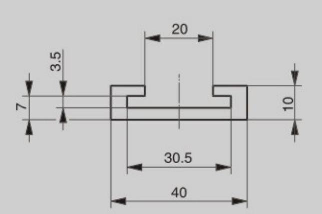
寬度x厚度 Width (B) x thickness (S)	型號 Article no.
15 x 5	171 010 034
18 x 5	171 010 035
20 x 5	171 010 036
22 x 5	171 010 037
25 x 5	171 010 038
30 x 5	171 010 039
35 x 5	171 010 040
40 x 5	171 010 041
45 x 5	171 010 042
50 x 5	171 010 043
60 x 5	171 010 044

* Calculated at full price per metre. Tolerances: Thickness ± 0.1 / width ± 0.5. Roll length on request

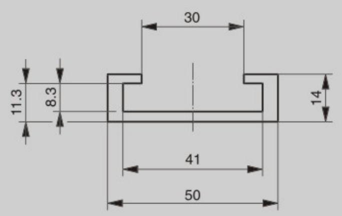
SLIP-ON PROFILES 滑動座外形

Rail profile	Length	Production method	Original Material"S"®	Article no.	Availability
Plastic C profile	2000	Milled	Green	211 310 016	●
for flat steel, 30 x 3	2000	Milled	Black antistatic	211 310 020	●
Plastic C profile	2000	Extruded	Green	211 310 024	●
for flat steel, 30 x 3					
Plastic C profile	2000	Milled	Green	211 310 014	●
for flat steel, 40 x 8	2000	Milled	Black antistatic	211 310 018	●
Plastic C profile	3000	Extruded	Black	211 310 025	●
for flat steel, 40 x 8					
Plastic C profile	2000	Milled	Green	211 310 022	●
for flat steel, 40 x 10	2000	Milled	Black antistatic	211 310 023	●
Plastic C profile	2000	Extruded	Black	211 310 021	●
for flat steel, 40 x 10					
Plastic C profile	2000	Milled	Green	211 310 013	●
for flat steel, 50 x 6	2000	Milled	Black antistatic	211 310 017	●
Plastic C profile	3000	Extruded	Natural	211 310 026	○
for flat steel, 50 x 6					
Plastic C profile	2000	Milled	Green	211 310 015	●
for flat steel, 40 x 8	2000	Milled	Black antistatic	211 310 019	●

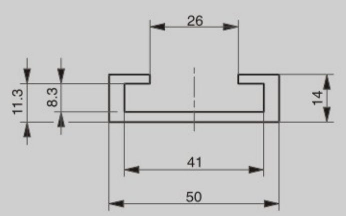
For flat steel, 30 × 3 milled/extruded



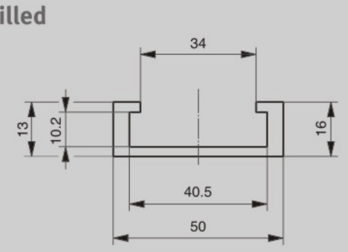
For flat steel, 40 × 8 milled



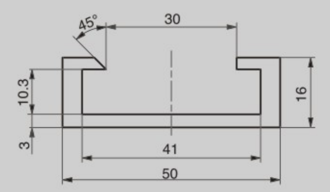
For flat steel, 40 × 8 extruded



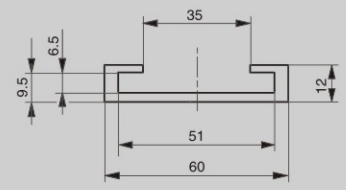
For flat steel, 40 × 10 milled



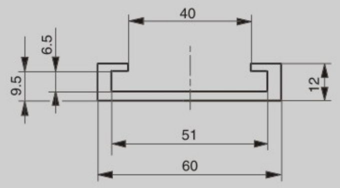
For flat steel, 40 × 10 extruded



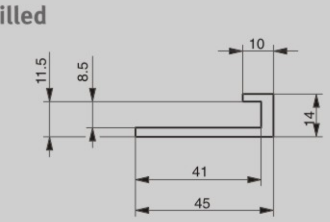
For flat steel, 50 × 6 milled



For flat steel, 50 × 6 extruded



Plastic L profile For flat steel, 40 × 8 milled

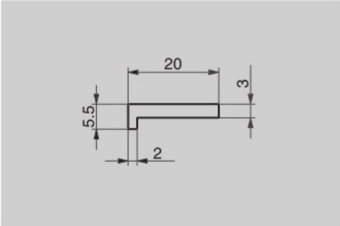


● Stocked ○ Available within 10 days Dimensions in mm Extruded profiles made of Material "S"® Black are **not** antistatic.

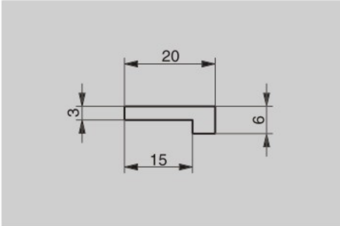
* For milled profiles. Tolerances as per DIN 16941 for extruded profiles.

PROFILES FOR SLAT BAND CHAINS 板式鏈外型

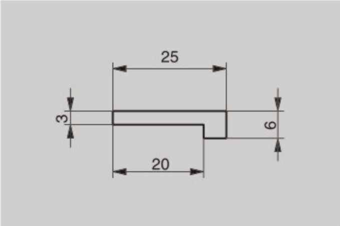
L profile 20 x 5.5



L profile 20 x 6

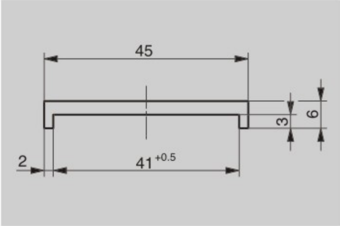


L profile 25 x 6

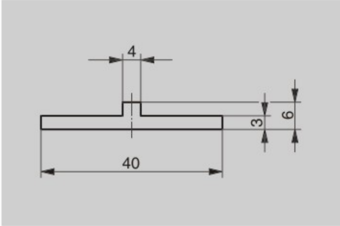


Profile	Roll length (in m)	Production method	Original Material"S"®	Article no.	Availability
L profile 20 x 5.5	35	Milled	Green	211 310 034	●
	50	Extruded	Green	211 310 044	●
L profile 20 x 6	45	Milled	Green	211 310 035	●
L profile 25 x 6	45	Milled	Green	211 310 036	●

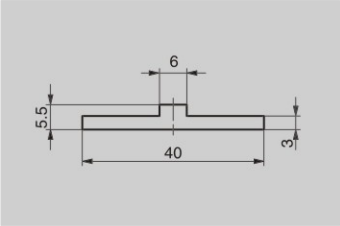
Slide profile type U, 45 x 6



Centre profile, 40 x 6

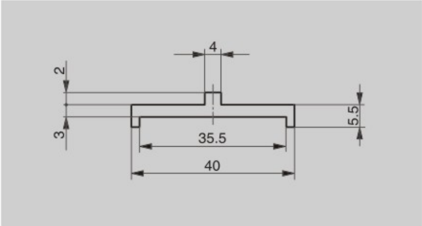


Centre profile, 40 x 5.5

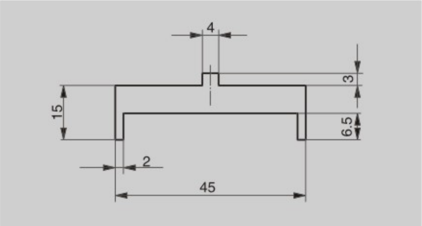


Profile	Roll length (in m)	Production method	Original Material"S"®	Article no.	Availability
Slide profile type U, 45 x 6	35	Milled	Green	211 310 037	●
Centre profile, 40 x 6	35	Milled	Green	211 310 033	●
	50	Extruded	Green	211 310 042	●
Centre profile, 40 x 5.5	50	Extruded	Green	211 310 001	●

Bridge centre profile, 40 x 7.5



Bridge centre profile, 45 x 18

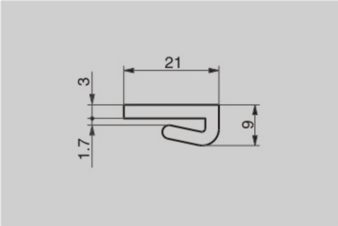


Profile	Roll length (in m)	Production method	Original Material"S"®	Article no.	Availability
Bridge centre profile, 40 x 7.5	50	Extruded	Green	211 310 043	●
Bridge centre profile, 45 x 18	6	Extruded	Green	211 310 002	●

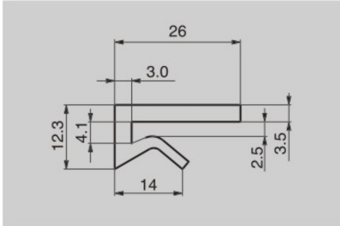
● Stocked ○ Available within 10 days Dimensions in mm Extruded profiles made of Material "S"® Black are **not** antistatic.

* For milled profiles. Tolerances as per DIN 16941 for extruded profiles.

Flat clamping profile, 21 x 9

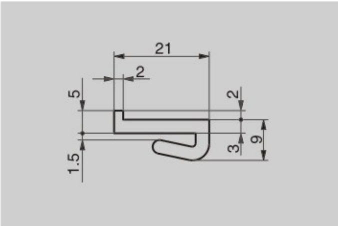


Flat clamping profile, 26 x 12.3

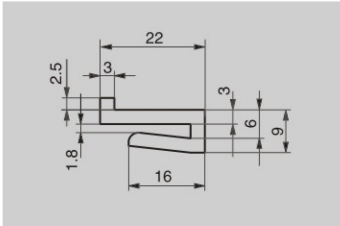


Profile	Roll length (in m)	Production method	Original Material"S"®	Article no.	Availability
Flat clamping profile, 21 x 9	50	Extruded	Green	211 310 004	●
Flat clamping profile, 26 x 12.3	30	Extruded	Natural	211 310 039	●

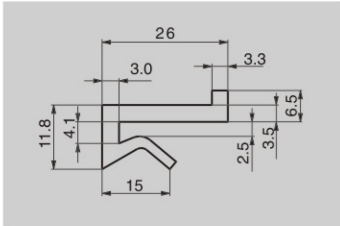
L clamping profile, 21 x 11



L clamping profile, 22 x 11.5

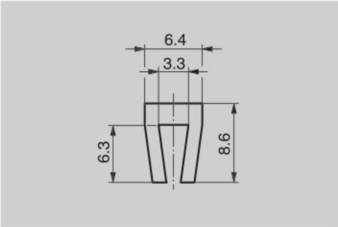


L clamping profile, 26 x 12.3

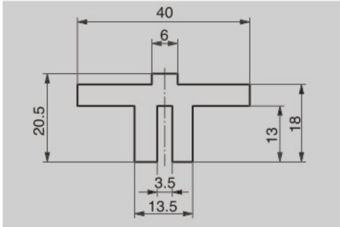


Band profile	Roll length (in m)	Production method	Original Material"S"®	Article no.	Availability
L clamping profile, 21 x 11	50	Extruded	Green	211 310 005	●
L clamping profile, 22 x 11.5	65	Extruded	Green	211 310 041	●
L clamping profile, 26 x 12.3	30	Extruded	Natural	211 310 040	●

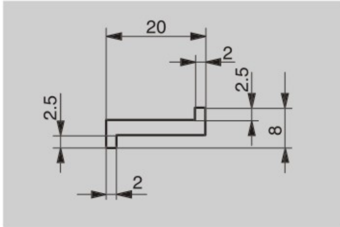
Clamping U profile, 6.4 x 8.6



T clip-on profile, 40 x 20.5



Z profile, 20 x 8



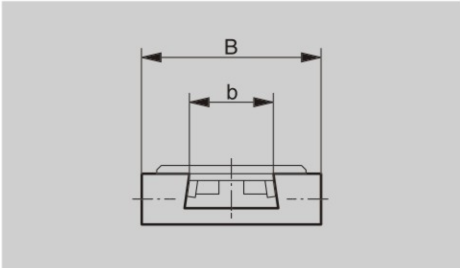
Profile	Roll length (in m)	Production method	Original Material"S"®	Article no.	Availability
Clamping U profile, 6.3 x 8.7	50	Extruded	Natural	211 310 007	●
T clip-on profile, 40 x 20.5	2	Milled	Green	211 310 030	●
Z profile, 20 x 8	35	Milled	Green	211 310 031	●
	50	Extruded	Green	211 310 038	●

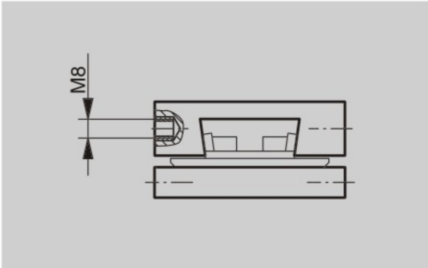
CURVE GUIDES FOR SLAT BAND CHAINS 板式弧形導軌

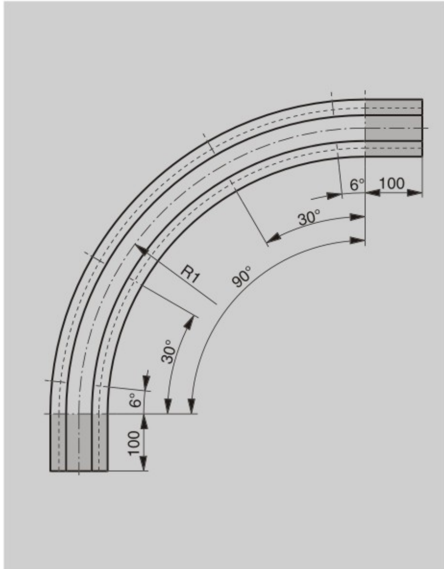
90° standard curve guides for slat band chains with dovetail guide, with and without straight ends

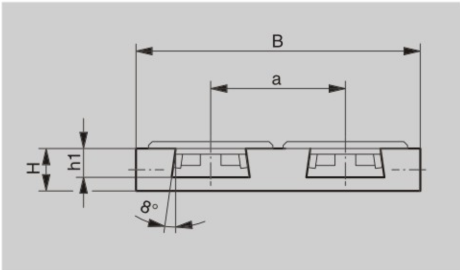
Selection table

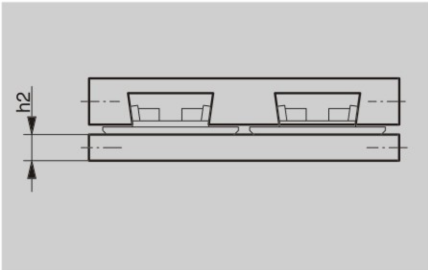
Guide no. with straight ends	Guide no. without straight ends	For chain type	No. of guideways	B	a	R1	b1	H	h1	h2	Article no. with straight ends	Article no. without straight ends	Availability
S500/1GE	S500/1		1	100							321 020 051	321 020 001	○
S500/2GE	S500/2		2	190							321 020 052	321 020 002	○
S500/3GE	S500/3		3	280		500					321 020 053	321 020 003	○
S500/4GE	S500/4	SS881-K325	4	370							321 020 054	321 020 004	○
S500/5GE	S500/5	SSC881-K325	5	460							321 020 055	321 020 005	○
S500/6GE	S500/6	SSC8811-K325	6	550	90						321 020 056	321 020 006	○
S860/1GE	S860/1	LF880-K325	1	100							321 020 057	321 020 021	○
S860/2GE	S860/2	D880-K325	2	190			41.3	25	17	16	321 020 058	321 020 022	○
S860/3GE	S860/3		3	280		860					321 020 059	321 020 023	○
S860/4GE	S860/4		4	370							321 020 060	321 020 024	○
S860/5GE	S860/5		5	460							321 020 061	321 020 025	○
S610/1GE	S610/1	SS881-K450 SSC881-K450 SSC8811-K450 LF880-K450 D880-K450	1	125							321 020 062	321 020 007	○
S610/2GE	S610/2		2	245							321 020 063	321 020 008	○
S610/3GE	S610/3		3	365	120	610					321 020 064	321 020 009	○
S610/4GE	S610/4		4	485							321 020 065	321 020 010	○
S610/1GE	S610/1	SS881-K750 SSC8811-K750	1	200							321 020 066	321 020 011	○
S610/2GE	S610/2		2	395	195		41.3	25	17		321 020 067	321 020 012	○
S610/3GE	S610/3		3	590							321 020 068	321 020 013	○
S610/1GE	S610/1	LF882-K450	1	125							321 020 069	321 020 014	○
S610/2GE	S610/2		2	245	120	610				16	321 020 070	321 020 015	○
S610/3GE	S610/3		3	365							321 020 071	321 020 016	○
S610/1GE	S610/1	LF882-K750	1	200			58.0	27	21		321 020 072	321 020 017	○
S610/2GE	S610/2		2	395	195						321 020 073	321 020 018	○
S610/1GE	S610/1	LF882-K1000	1	265	260						321 020 074	321 020 019	○
S610/1GE	S610/1	LF882-K1200	1	320	310						321 020 075	321 020 020	○











● Stocked ○ Available within 10 days Dimensions in mm

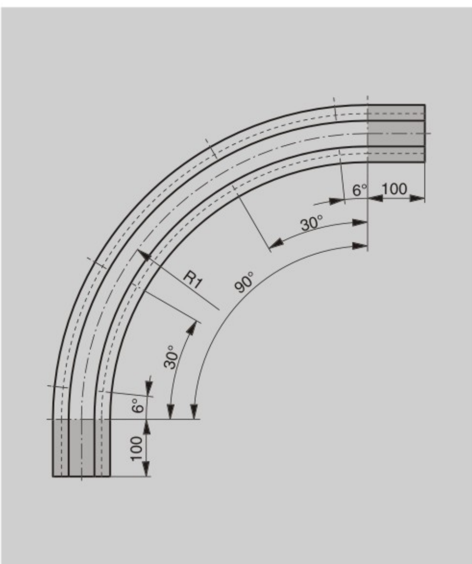
CURVE GUIDES FOR SLAT BAND CHAINS 板式鏈弧形導軌

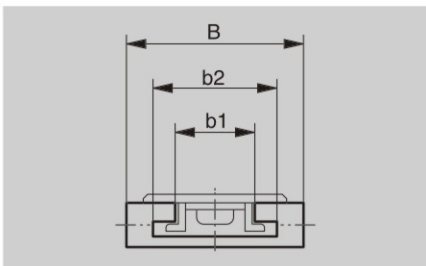
DIN 2768

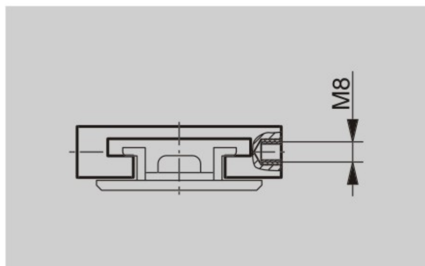
90° standard curve guides for slat band chains
with TAB guide, with and without straight ends

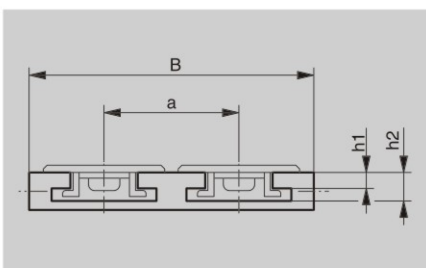
Selection table

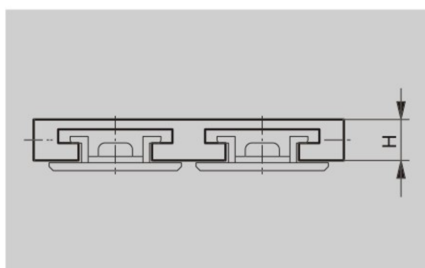
Guide no. with straight ends	Guide no. without straight ends	For chain type	No. of guide-ways	B	a	R1	b1	b2	H	h1	h2	Article no. with straight ends	Article no. without straight ends	Availability
T500/1GE	T500/1		1	100								321 020 076	321 020 026	○
T500/2GE	T500/2		2	190								321 020 077	321 020 027	○
T500/3GE	T500/3		3	280		500						321 020 078	321 020 028	○
T500/4GE	T500/4		4	370								321 020 079	321 020 029	○
T500/5GE	T500/5	SS881TAB-K325	5	460								321 020 080	321 020 030	○
T500/6GE	T500/6	SSC881TAB-K325	6	550	90							321 020 081	321 020 031	○
T860/1GE	T860/1	SSC8811TAB-K325	1	100								321 020 082	321 020 046	○
T860/2GE	T860/2	LF880TAB-K325	2	190								321 020 083	321 020 047	○
T860/3GE	T860/3		3	280		860						321 020 084	321 020 048	○
T860/4GE	T860/4		4	370			45	70	25	10.6	19	321 020 085	321 020 049	○
T860/5GE	T860/5		5	460								321 020 086	321 020 050	○
T610/1GE	T610/1	SS881TAB-K450	1	125								321 020 087	321 020 032	○
T610/2GE	T610/2	SSC881 TAB-K450	2	245								321 020 08	321 020 033	○
T610/3GE	T610/3	SSC8811TAB-K450	3	365	120							321 020 089	321 020 034	○
T610/4GE	T610/4	LF880TAB-K450	4	485								321 020 090	321 020 035	○
T610/1GE	T610/1	SS881 TAB-K750	1	200								321 020 091	321 020 036	○
T610/2GE	T610/2	SSC881TAB-K750	2	395	195							321 020 092	321 020 037	○
T610/3GE	T610/3	SSC8811TAB-K750	3	590		610						321 020 093	321 020 038	○
T610/1GE	T610/1		1	125								321 020 094	321 020 039	○
T610/2GE	T610/2	LF882TAB-K450	2	245	120							321 020 095	321 020 040	○
T610/3GE	T610/3		3	365								321 020 096	321 020 041	○
T610/1GE	T610/1	LF882TAB-K750	1	200	195		58	90	32	16	26	321 020 097	321 020 042	○
T610/2GE	T610/2		2	395	196							321 020 098	321 020 043	○
T610/1GE	T610/1	LF882TAB-K1000	1	265	260							321 020 099	321 020 044	○
T610/1GE	T610/1	LF882TAB-K1200	1	320	310							321 020 100	321 020 045	○











● Stocked ○ Available within 10 days Dimensions in mm

CHAIN RACKS 鏈齒條座

Good value, flexible, and robust 我們的鏈齒條座

Our chain racks have more than proven themselves as an economical alternative to milled racks. The system is characterized by ease of installation and simple adjustment, and is attached using an anchor plate at one end and a clamping set at the other end.

Design 鏈齒條座設計

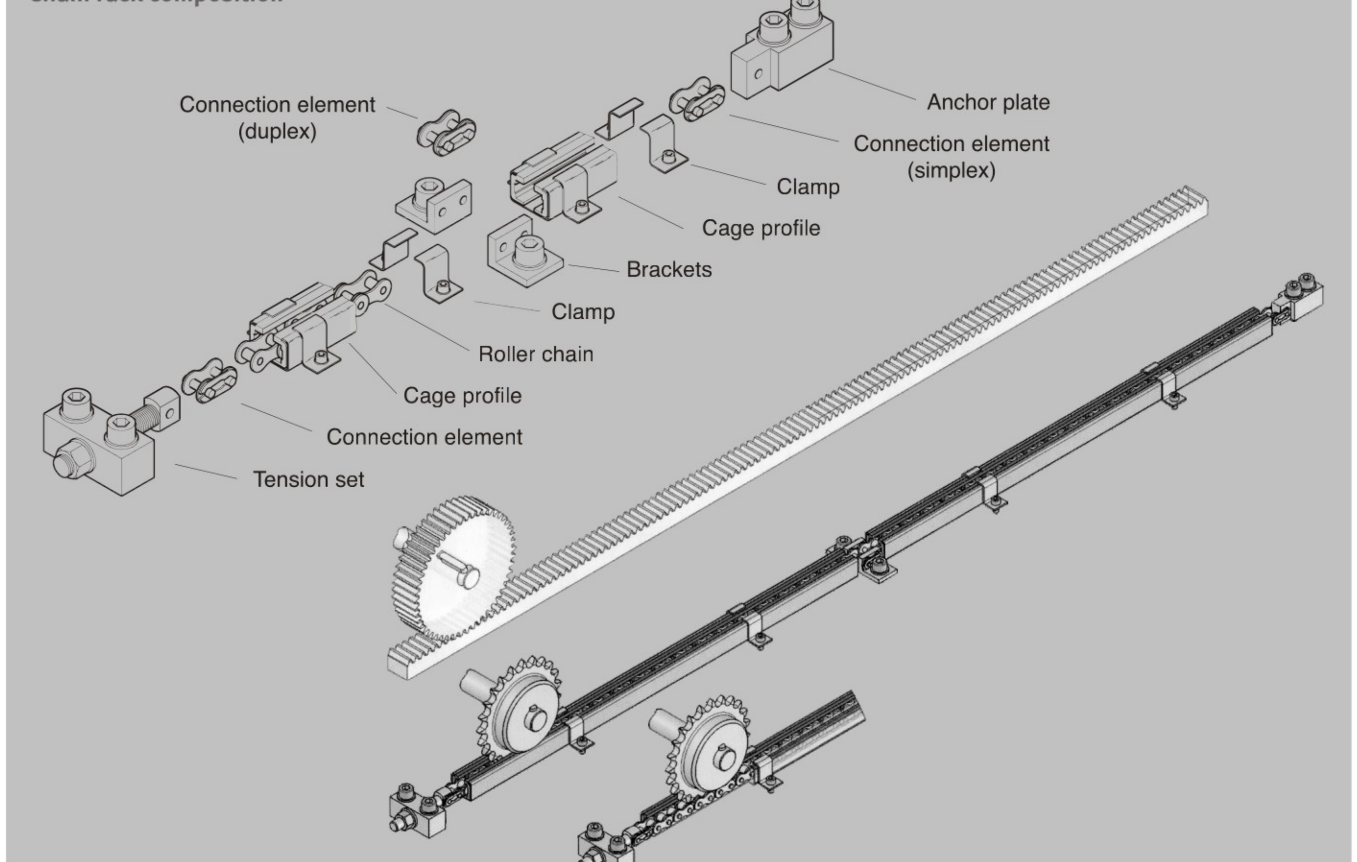
使用單排鏈扣把固定組件與鏈齒條座接合，以材料"S"1000綠色制的導軌引導鏈條，外部分用鋼槽固定，再用支架把鋼槽固定在位置上，如鏈條長度超過2500mm，我們也會提供緊固支架，整套組件會以雙排鏈扣與底座連接起來，這樣可以避免鏈齒條座在操作運行時移動鬆脱。
適合使用鏈齒條座的鏈條規格有1/2"、5/8"、3/4"和1"。

The clamping set is connected with the actual chain rack using a simplex chain connecting link. The chain is guided using a cage profile made of Material "S"®1000 Green. This is clasped by a steel C profile from the outside. The steel C profiles are fixed to the base using clamps. For chain lengths of more than 2,500mm, fastening brackets are also provided. They are integrated into the rack using duplex connection elements. This prevents the chain rack from moving in the cage profile during start-up and deceleration. Chain racks are available in chain sizes of ½", ⅝", ¾" and 1".

Advantages 優 點

- 有更精密的直綫度
  Less sensitive to tooth backlash changes. Alignment errors can thus be corrected through smaller sprocket widths
- 大大減低運行時所產生的噪音
  High level of acoustic insulation
- 高穩定性
  High stability
- 工作温度上升時，可提供足够擴張空間
  Cage profile can expand if temperature varies
- 安裝工序簡易
  Simple assembly
- 比研磨齒條更經濟
  Economical alternative to milled racks

Chain rack composition



Rack/chain rack

Full speed ahead – the tangential force on the sprocket

選用優良可靠的鏈輪對配件的傳動力以致整體的工作效能都十分重要，鏈輪與齒座應保持有良好的接觸，建議齒數最少爲15，理想齒數爲≧19。

The correct choice of sprocket is vital in order to ensure the optimum flow of forces and maximum durability of your components. To keep the contact ratio as favourable as possible, the sprocket must have lantern gear toothing. 15 is recommended as the minimum number of teeth. The optimum value is ≥ 19.

如需要獲取更多的產品資料，歡迎隨時跟我們聯系。

For all necessary information on calculating values for your chain racks, see the “Products” section of our Web site. We are happy to provide you with personalized advice. Please contact us.

DIN 8187鏈條代號 DIN 8187 chain no.	鏈條尺寸(英寸) Chain dimensions in inches	固定螺帽夾緊扭力 Clamping nut fastening torque	齒座與滾子鏈的空間距離 Clearance between tooth base and chain roller	最大切向力* Max. tangential force*
08B-1	½" × 5/16"	3 – 5Nm	0.3 – 0.5mm	2700N
10B-1	⅝" × ⅜"	3 – 8Nm	0.3 – 0.5mm	3300N
12B-1	¾" × 7/16"	8 – 13Nm	0.3 – 0.6mm	4300N
16B-1	1" × 17mm	22 – 30Nm	0.4 – 0.8mm	9000N

*以上的最大切向力均爲最大數值，如開始 / 制停扭力計算在內，此數值不可超過最高25%。

* The specified tangential forces in the table of values are maximum values. These values should not be exceeded by more than 25% when the starting/braking torque is taken into account.

長度在2,500mm以下的訂單例子
Example order for lengths up to 2,500mm

鏈齒條座 5/8"，
長度1,700mm，
鏈輪齒數=19或；
鏈齒條座包括以下配件：

Chain rack, ⅝"
for effective length of 1,700mm,
Sprocket teeth = 19 or:
Chain rack consisting of the following:

導軌，5/8"，長度1,800mm x 1條
1 cage profile, ⅝", 1,800mm in length

拉緊器 x 1組
1 tension set

錨墊板 x 1個
1 anchor plate

固定夾 x 2對
2 pairs of clamps

ISO no. 10B 鏈條，115鏈扣長，内鏈扣連接兩端(預定40%拉緊)x 1 個
1 ISO no. 10B roller chain, 115 links long, inner link on both sides (40% pre-stretched)

單排連接鏈扣ISO–no. 10B x 2 個
2 straight connection elements, simplex, ISO-no. 10B

我們很樂意爲客户選擇適用的鏈齒條座，如有問題，歡迎隨時跟我們聯系。
Our application technology department will be pleased to help you to choose the correct chain racks and will gladly answer any design questions you may have.

長度在2,500mm以上的訂單例子
Example order for lengths of more than 2,500mm

鏈齒條座 3/4"，
長度3,800mm，
鏈輪齒　Z=21或；
鏈齒條座包括以下配件：

Chain rack ¾"
for effective length of 3,800mm,
Chain wheel teeth Z = 21 or:
Chain rack consisting of the following:

導軌，3/4"，長度1,937mm x2條
2 cage profiles, ¾", 1,937mm in length

拉緊器 x 1組
1 tension set

錨墊板 x 1個
1 anchor plate

固定夾 x 4對
4 pairs of clamps

緊固支架 x 1對
1 pair of mounting brackets

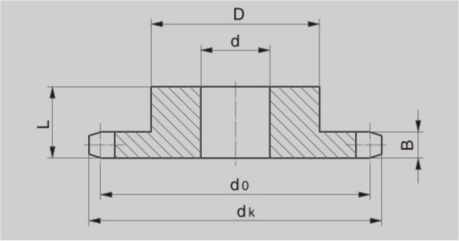
ISO no. 12B鏈條，每條103鏈扣長，内鏈扣連接兩端(預定40%拉緊)x 2條
2 ISO no. 12B roller chains, each 103 links long, inner link on both sides (40% pre-stretched)

單排連接鏈扣ISO–no. 12B x 2條
2 straight connection elements, simplex, ISO-no. 12B

雙排連接鏈扣ISO–no. 12B x 1條
1 straight connection element, duplex, ISO-no. 12B-duplex

PRODUCT RANGE 產品範圍

Product name	Unit	½" / 08B-1 12.7mm article no.	⅝" (10B-1) 15.9mm article no.	¾" (12B-1) 19.05mm article no.	1" (16B-1) 25.4mm article no.
Tension set	Piece	353 010 004	353 010 009	353 010 014	353 010 019
Anchor plate	Piece	353 010 005	353 010 010	353 010 015	353 010 020
Mounting bracket	1 pair	353 010 003	353 010 008	353 010 013	353 010 018
Clamps	1 pair	353 010 001	353 010 001	353 010 002	353 010 002
Chain rack profile, "S"® 1000, fixed length	Piece	221 320 144	221 320 145	221 320 146	221 320 147
Steel C profile, galvanized, fixed length	Piece	351 090 010	351 090 010	351 090 011	351 090 011
Connection element, simplex	Piece	353 010 006	353 010 011	353 010 016	353 010 021
Connection element, duplex	Piece	353 010 007	353 010 012	353 010 017	353 010 022



Standard sprocket product range

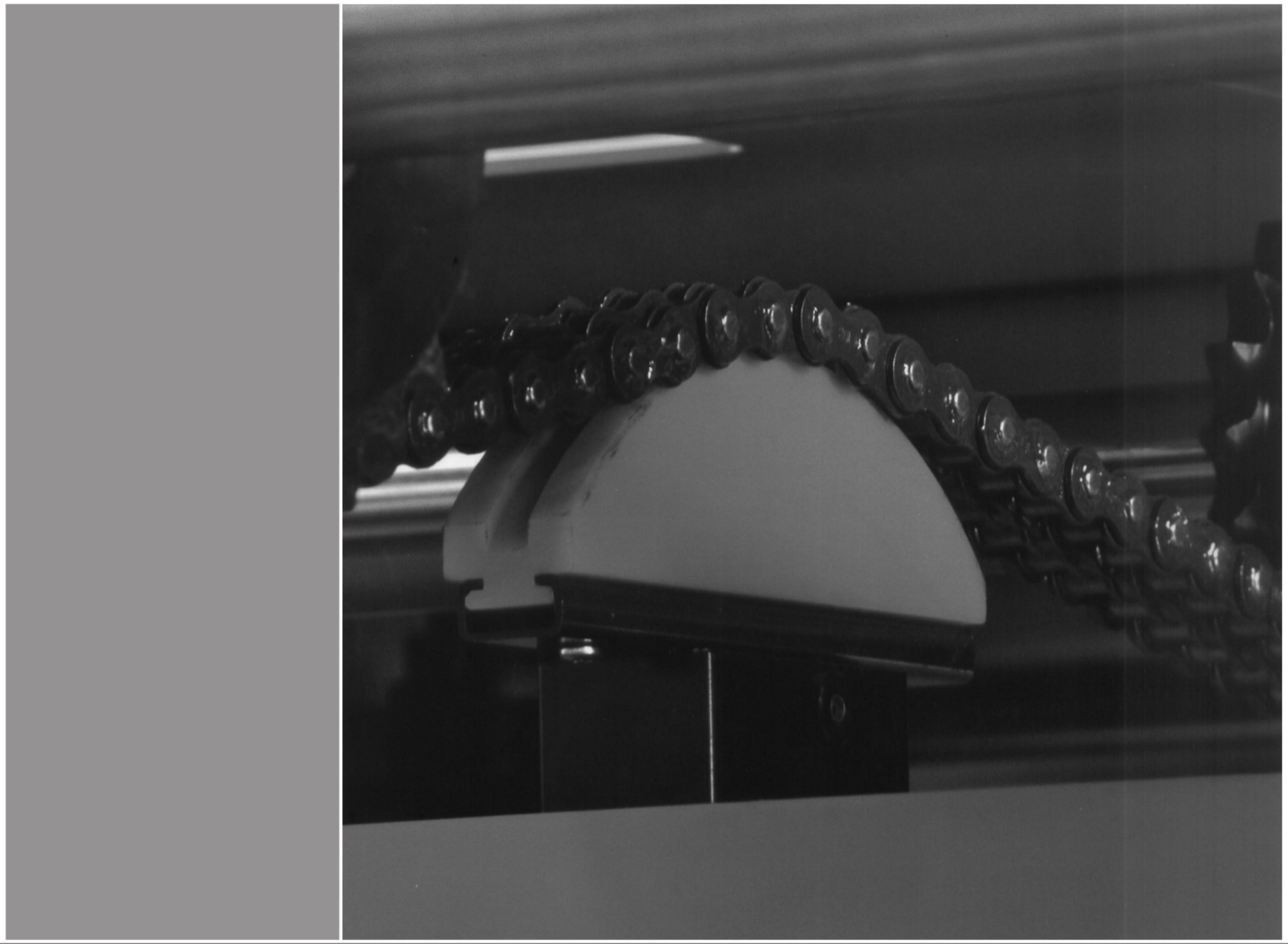
DIN 8187 chain no.	No. of teeth Z	Pitch circle Ø d_0	Tip circle Ø d_k	Hub D	Hub L	Tooth width B	Bore hole d	Article no.	Availability
08B-1	15	60.64	69.1	30.5	25	6.3	10	354 020 001	○
	17	68.72	77.2	38.5	25	6.3	12	354 020 002	○
	19	76.81	85.3	46.5	25	6.3	12	354 020 003	○
	21	84.89	93.4	54.5	25	6.3	16	354 020 004	○
	23	92.98	101.4	63.0	25	6.3	16	354 020 005	○
10B-1	15	75.80	85.9	45.5	25	8.0	12	354 020 006	○
	17	85.90	96.0	55.5	25	8.0	16	354 020 007	○
	19	96.01	106.1	66.0	25	8.0	16	354 020 008	○
	21	106.12	116.2	76.0	25	8.0	16	354 020 009	○
	23	116.22	126.3	86.0	25	8.0	16	354 020 010	○
12B-1	15	90.96	103.0	45.0	35	9.5	16	354 020 011	○
	17	103.08	115.1	57.0	35	9.5	20	354 020 012	○
	19	115.21	127.3	69.0	35	9.5	20	354 020 013	○
	21	127.34	139.4	81.0	35	9.5	20	354 020 014	○
	23	139.47	151.5	93.0	35	9.5	20	354 020 015	○
16B-1	15	121.28	137.1	75.0	40	14.0	20	354 020 016	○
	17	137.45	153.3	91.0	40	14.0	20	354 020 017	○
	19	153.62	169.5	107.0	40	14.0	20	354 020 018	○
	21	169.79	185.6	123.0	40	14.0	25	354 020 019	○
	23	185.96	201.8	140.0	40	14.0	25	354 020 020	○

○ Available within 10 days　　Dimensions in mm

You can calculate the correct chain racks required at www.murtfeldt.com.

大中華總代理

Murtfeldt 德國高精度耐磨、自動鏈條漲緊器



Chain and Belt Tensioning Systems

CHAIN AND BELT TENSIONING SYSTEMS

SPANN-BOX® SIZE 0　0 號規格

The size 0 Spann-Box® is the smallest in our range. It is used where installation spaces are very restricted. The plastic housing means there is no risk of corrosion.

★ 自動機械漲緊功能
★ 有效補償鏈條的拉長
★ 使鏈條運轉更爲平穩
★ 降低鏈條運轉噪音
★ 減少鏈條與鏈輪的磨損
★ 增强重復性和同步性
★ 經濟環保耐磨
★ 漲緊標尺顯示

DIN 8187 chain no.	Pitch in mm	Pitch in inch	Simplex 單 排	Duplex 雙 排	Triplex 三 排
≤ 06B	–	–	■		
06B	9.525	⅜		■	
08B	12.7	½	■	■	
10B	15.875	⅝	■		
12B	19.05	¾	■		

		Light	Heavy
Tension force	1 spring	58 – 32N	132 – 60N
	Tension distance	40mm	40mm

SPANN-BOX® SIZE 0　0 號規格

不銹鋼螺絲及彈簧
Stainless steel screws and springs

15 mm　40 mm　25 mm

配置半圓形漲緊塑料
with semi-circular profile

漲緊器的應用位置 Applications
· Restricted installation space
· Environments with a risk of corrosion
· Chain drives with a pitch of up to ¾″
安裝位置空間有限
有受腐蝕的工作環境
使用節距最長3/4"的鏈條

漲緊壓力 Tensioning pressure
· Choice of light or heavy spring force
· Lock pin in base of housing
可選用輕型或重型漲緊力
可用螺絲鎖漲脹緊器

安裝位置 Attachment
· Installed underneath the chain
· Bore holes in the housing
安裝在鏈條的下方
用螺絲鎖緊漲緊器

DIN 8187 鏈條型號 DIN 8187 chain no.	輕型漲緊力 產品編號 Light tension force article no.	重型漲緊力 產品編號 Heavy tension force article no.	工廠是否有現貨 Availability
≤06B-1 (U profile)	281 000 001	281 000 002	●
08B-1	281 000 003	281 000 004	●
10B-1	281 000 003	281 000 004	●
12B-1	281 000 005	281 000 006	●
06B-2	281 000 007	281 000 008	●
08B-2	281 000 009	281 000 010	●

Special designs on request　● Stocked　○ Available within 10 days
如有需要，可按要求提供特殊設計●工廠有現貨 ○10天出廠