E

Metal Conveyor Chains

INOX

2006

MAGRIS

Contents

Materials

The Magris chains are produced with high quality steel/stainless steel in order to satisfy the growing needs of technological progress on the conveying lines.

SLATS

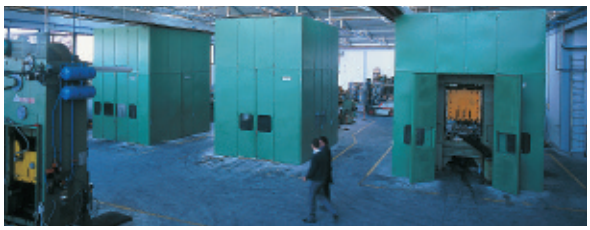
Hard Inox
Special work hardened, chrome-nickel, highly wear corrosion resistant stainless steel. It offers excellent mechanical characteristics and exceptional sliding properties, thanks to a very low surface roughness.
It is particularly suitable for the critical points of bottling lines.
Material used for the following chain models: Super, Flex RXMS, Flex FMS, Flex FMS2, New Flex Mag, Super-G, Flex RXMS-G and New Flex Mag-G.

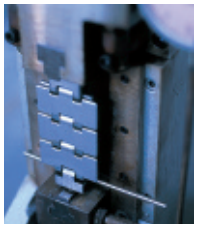
Inox
Ferritic, AISI 430 stainless steel, work hardened by cold-rolling, with good corrosion resistance. It has an excellent surface finishing with a low roughness, that is a very important quality for the sliding of conveyed products. It is the preferred choice for standard bottling industry applications.
Material used for the following chain models: Special, Standard and Flex RXMC.

HQ Inox (High Quality)
Special, new, chrome-nickel (W.1.4589) stainless steel, work hardened. It has been developed in cooperation with a major stainless steel manufacturer for very special applications such as pressureless combiners/inliners. Cold rolled to extremely high quality standards, this material is the right answer to the most sophisticated needs. Its exceptional surface finishing and flatness together with a very high working load and wear resistance are unique features.
Material used for the following chain models: Superspeed, Wear-Proof, Flex FMD and New Flex Mag-D.

Inox 18/8
Austenitic, non-magnetic AISI 304 stainless steel (18% Chrome – 8% Nickel), work hardened for high resistance. It provides excellent resistance to chemical agents and corrosion, and offers excellent mechanical and duration characteristics. It is mainly used in the preservation and bottling industry. Approved by Food and Drug Administration (FDA), American government institute for the direct contact with foodstuff.
Material used for the following chain models: Stella D., Flex RXM, Flex FM and Flex FM2.

Inox 316
Austenitic AISI 316L stainless steel (18% Chrome – 14% Nickel – 3% Molybdenum). It is ideal with chemical agents and strong acids.
Material used for the following chain models: 316 and Flex RXM 316.





Carbon Steel

Heat-treated carbon steel with a surface and core hardness of 43 HRC. It is especially suitable for high working loads and it is highly resistant to wear. It is recommended for the glass, ceramic and general product conveying industry. In case of difficult applications, such as with abrasive dust, the carbon steel can be, upon request, case hardened, thus reaching a surface hardness of 55 HRC and a core hardness of 40 HRC.
Material used for the following chain models: Accate and Flex RXMA.

PINS

- Pins are made of AISI 431 stainless steel, magnetic and work hardened for high resistance, in the following chain models: Special, Standard, Super, Super-G, Flex RXMC, Flex RXMS, Flex RXMS-G, Flex FMS, Flex FMS2 and New Flex Mag.
- Pins are made of special martensitic stainless steel, magnetic and heat treated for high resistance, in the following chain models: Wear-Proof, Superspeed, Flex FMD and New Flex Mag-D.
- Pins are made of austenitic stainless steel (18% Chrome – 8% Nickel), work hardened for high resistance in the following chain models: Stella D., Flex RXM, Flex FM and Flex FM2.
- Pins are made of austenitic AISI 316 stainless steel in the following chain models: 316 and Flex RXM 316.
- Pins are made of case-hardened carbon steel in the following chain models: Accate, Accate-C, Flex RXMA and Flex RXMA-C.

N.B.: Upon request, all our chains can be produced with other types of stainless steel.

Materials	Minimum temperatures	Maximum temperatures	
		Dry env.	Wet env.
Inox	- 40°C	+ 260°C	+ 120°C
Hard Inox	- 40°C	+ 400°C	+ 120°C
HQ Inox	- 40°C	+ 430°C	+ 120°C
Inox 18/8	- 40°C	+ 400°C	+ 120°C
Inox 316	- 40°C	+ 400°C	+ 120°C
Carbon Steel	- 40°C	+ 180°C	+ 120°C

Chain sizing

according to the maximum allowable working load method

Chain sizing consists of a comparison between the chain tension at headshaft, which a chain is subject to, and the maximum allowable working load of the chain itself. The following formulas allow an evaluation of the chain tension at headshaft as a function of the different load conditions.

Symbols

F_t	Chain tension at headshaft (N)
F_o	Chain tension on return track (N)
F_1, F_2, ...	Sum of all loads (N)
W_c	Chain weight (Kg/m)
W_m	Conveyed product weight (Kg/m)
L	Horizontal conveyor length (metres)
L_1, L_2, ...	Conveyor track length (metres)
H	Vertical conveyor elevation (metres)
L_s	Conveyor length of the section where accumulation occurs (metres)
L_{1s}, L_{2s}, ...	Conveyor length of the section where accumulation occurs (metres)
R	Curve radius (metres)
α	Bending angle (degrees)
K	Length factor (table D)
T	Curve factor (table E)
f_1	Friction factor between chain and wear strips (table A)
f_2	Friction factor between chain and conveyed products (table A)
f_p	Start up factor (table B)
S	Slippage factor (table C)
9.81	Gravity acceleration (m/s^2)

Chain materials: carbon steel and stainless steel

A	f_1		f_2		
	Friction factor between chain and wear strips		Friction factor between chain and conveyed products		
Lubrication used	Steel	High density polyeth. and nylatron	Cardboard, plastic	Metal	Glass, Ceramic
Dry*	0,50	0,20	0,30	0,45	0,45
Water	0,40	0,15	0,25	0,40	0,40
Soapy water	0,20	0,12	0,15	0,20	0,25
Oil	0,20	0,08	-	0,15	0,20

B	Start up factor
Start ups per hour	f_p
0	1,0
5	1,4
10	1,7
15	1,8
20	1,9
25	2,0

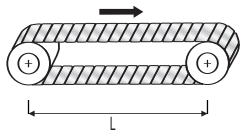
C	Slippage factor
Slippage time percentage	S
0	0
10	0,5
20	0,7
30	0,8
40	0,9
50 >	1,0

* Although the theoretical calculation is carried out in dry running conditions, we recommend the use of lubricated chains in order to avoid chain blocking and friction.

D	K	T			
		Curve factor			
		Stainless steel chain			
Bending angle	Length factor	Steel wear strips		High density polyeth. and nylatron wear strips	
degrees α		Dry*	Lubricated	Dry*	Lubricated
15	0,25	1,20	1,05	1,10	1,05
30	0,52	1,30	1,10	1,20	1,10
45	0,79	1,40	1,20	1,30	1,20
60	1,05	1,60	1,30	1,50	1,25
90	1,57	2,00	1,50	1,80	1,35
120	2,09	2,50	1,70	2,20	1,50
150	2,62	3,10	1,90	2,70	1,75
180	3,14	3,50	2,10	3,00	1,90

Conveyors with straight running chains

Horizontal conveyor



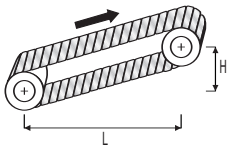
Without accumulation

$F_t=(2W_c+W_m)xLxf_1xf_px9,81$

With accumulation

$F_t=[(2W_c+W_m)xLxf_1xf_p+L_sxW_mxf_2xS]x9,81$

Inclined conveyor



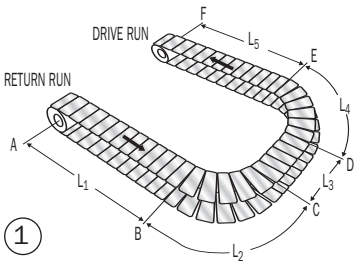
Without accumulation

$F_t=[(2W_c+W_m)xLxf_1xf_p+(W_c+W_m)xH]x9,81$

With accumulation

$F_t=[(2W_c+W_m)xLxf_1xf_p+(W_c+W_m)xH+L_sxW_mxf_2xS]x9,81$

Conveyors with sideflexing chains



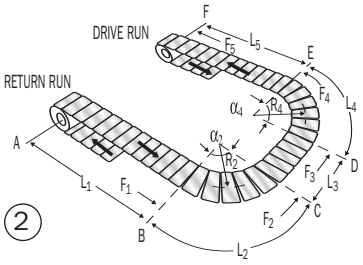
In this case the calculation of the chain tension at headshaft is carried out as the sum of successive loads (draw. 1):

$L_2=K(\alpha_2)xR_2$

$L_4=K(\alpha_4)xR_4$

1- Return run

The evaluation of the chain tension in the return run is carried out by starting at the driven sprocket following the movement of the chain itself up to the return sprocket (draw. 2):



Track FE $F_5=W_cxL_5xf_1$

Track FD $F_4=[F_5+W_cxL_4xf_1]xT(\alpha_4)$

Track FC $F_3=F_4+W_cxL_3xf_1$

Track FB $F_2=[F_3+W_cxL_2xf_1]xT(\alpha_2)$

Track FA $F_1=F_2+W_cxL_1xf_1$

$F_0=F_1xf_px9,81$

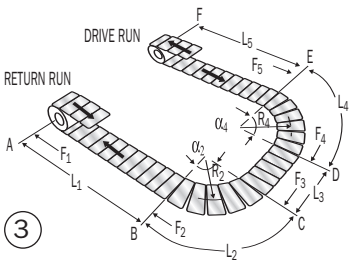
Written in a more explicit manner:

$F_0=\{[(L_5+L_4)xW_cxf_1xT(\alpha_4)+(L_3+L_2)xW_cxf_1]xT(\alpha_2)+$
$+L_1xW_cxf_1\}xf_px9,81$

2- Drive run

• Chain tension at headshaft without accumulation •

The evaluation of the chain tension in the conveying run is carried out by starting from the return sprocket following the movement of the chain itself up to the drive sprocket (draw. 3):



Track AB $F_1=F_0+(W_c+W_m)xL_1xf_{1+}f_px9,81$

Track AC $F_2=[F_1+(W_c+W_m)xL_2xf_{1+}f_px9,81]xT(\alpha_2)$

Track AD $F_3=F_2+(W_c+W_m)xL_3xf_{1+}f_px9,81$

Track AE $F_4=[F_3+(W_c+W_m)xL_4xf_{1+}f_px9,81]xT(\alpha_4)$

Track AF $F_5=F_4+(W_c+W_m)xL_5xf_{1+}f_px9,81$

• Chain tension at headshaft with accumulation •

The component of the chain tension at headshaft due to the accumulation of material conveyed is evaluated by starting from the return sprocket towards the drive sprocket, for the only track involved by the accumulation (draw. 3). In this case the total chain tension at headshaft is given by the sum of the component without accumulation plus the one due to the accumulation of the material:

Track AB $F_1=F_0+[(W_c+W_m)xL_1xf_1xf_p+L_{1s}xW_mxf_2xS]x9,81$

Track AC $F_2=\{F_1+[(W_c+W_m)xL_2xf_1xf_p+L_{2s}xW_mxf_2xS]x9,81\}xT(_{\alpha2})$

Track AD $F_3=F_2+[(W_c+W_m)xL_3xf_1xf_p+L_{3s}xW_mxf_2xS]x9,81$

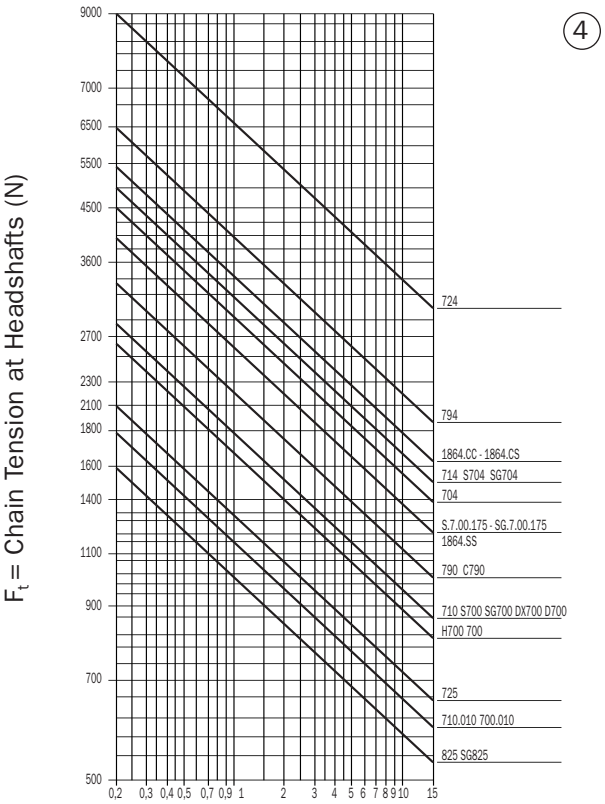
Track AE $F_4=\{F_3+[(W_c+W_m)xL_4xf_1xf_p+L_{4s}xW_mxf_2xS]x9,81\}xT(_{\alpha4})$

Track AF $F_5=F_4+[(W_c+W_m)xL_5xf_1xf_p+L_{5s}xW_mxf_2xS]x9,81$

Chain selection

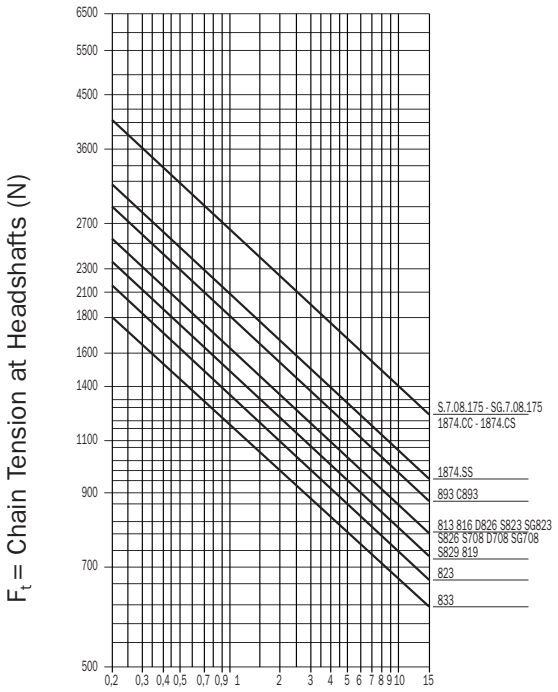
Having evaluated the chain tension at headshaft which the chain is subject to, and calculated the speed/length of the conveyor ratio, the two values are stated in figure 4.
The chain suitable for the use in question is the one whose curve is immediately above the intersection of the two values.

Straight running chains
allowable working load diagram



$$\text{Ratio} = \frac{\text{Speed (m/min)}}{\text{Length (m)}}$$

Sideflexing chains
allowable working load diagram



$$\text{Ratio} = \frac{\text{Speed (m/min)}}{\text{Length (m)}}$$

Symbols for straight running chains

1864....	= Plate Top chain
7.24.000	= Double reinforced hinged slat chain - “Stella D.” Mod.
7.94.000	= Double hinged slat chain - “Accate” Mod.
7.14.000	= Double hinged slat chain - “Stella D.” Mod.
S.7.04.000	= Double hinged slat chain - “Super” Mod.
SG.7.04.000	= Double hinged slat chain - “Super-DHG” Mod.
7.04.000	= Double hinged slat chain - “Standard” Mod.
C.7.90.000	= Simple hinged slat chain - “Accate-C” Mod.
7.90.000	= Simple hinged slat chain - “Accate” Mod.
7.25.000	= Simple hinged slat chain - “316” Mod.
7.10.000	= Simple hinged slat chain - “Stella D.” Mod.
DX.7.00.000	= Simple hinged slat chain - “Superspeed” Mod.
D.7.00.000	= Simple hinged slat chain - “Wear-Proof” Mod.
S.7.00.175	= Simple reinforced hinged slat chain - “Super” Mod.
S.7.00.000	= Simple hinged slat chain - “Super” Mod.
SG.7.00.175	= Simple reinforced hinged slat chain - “Super-G” Mod.
SG.7.00.000	= Simple hinged slat chain - “Super-G” Mod.
7.00.000	= Simple hinged slat chain - “Standard” Mod.
H.7.00.000	= Simple hinged slat chain - “Special” Mod.
7.10.010	= “Mignon” hinged slat chain - “Stella D.” Mod.
7.00.010	= “Mignon” hinged slat chain - “Standard” Mod.
8.25.000	= “Mignon” hinged slat chain - “Super” Mod.
SG.8.25.000	= “Mignon” hinged slat chain - “Super-G” Mod.

Symbols for sideflexing chains

1874....	= Plate Top chain
C.8.93.000	= Hinged slat chain - “Flex RXMA-C” Mod.
8.93.000	= Hinged slat chain - “Flex RXMA” Mod.
8.33.000	= Hinged slat chain - “Flex RXM 316” Mod.
8.13.000	= Hinged slat chain - “Flex RXM” Mod.
8.16.000	= Hinged slat chain - “Flex FM” Mod.
8.19.000	= Hinged slat chain - “Flex FM2” Mod.
D.8.26.000	= Hinged slat chain - “Flex FMD” Mod.
S.8.23.000	= Hinged slat chain - “Flex RXMS” Mod.
SG.8.23.000	= Hinged slat chain - “Flex RXMS-G” Mod.
S.8.26.000	= Hinged slat chain - “Flex FMS” Mod.
S.8.29.000	= Hinged slat chain - “Flex FMS2” Mod.
8.23.000	= Hinged slat chain - “Flex RXMC” Mod.
D.7.08.000	= Hinged slat chain - “New Flex Mag-D” Mod.
S.7.08.175	= Reinforced hinged slat chain - “New Flex Mag” Mod.
S.7.08.000	= Hinged slat chain - “New Flex Mag” Mod.
SG.7.08.175	= Reinforced hinged slat chain - “New Flex Mag-G” Mod.
SG.7.08.000	= Hinged slat chain - “New Flex Mag-G” Mod.

Power

The driven sprocket is required the following power:

$$P = \frac{F_t \times v}{6 \times 10^4}$$

where: P = Power (kW), F_t = Chain Tension at Headshaft on the chain (N), v = Speed (m/min)

Example

The 7.10.040 chain, dry-operating, conveys glass wine bottles. The bottles weigh 1,5 Kg each and they are placed on the chain at 20 cm intervals (5 bottles per metre). The chain stops and restarts 10 times per hour.
There is accumulation of the 20% operating time and on a length of 8 metres.

Aims:

- Chain checking;
- Calculation of the power needed by the shaft.

Start up data:

- Speed (v) = 45 m/min.
- Start up factor (f_p) = 1,7 (table B)
- Slippage time percentage = 20%
- Slippage factor (S) = 0,7 (table C)
- Length with accumulation (L_s) = 8 m
- Friction factor (f_2) = 0,45
  (table A: chain-glass bottle)
- Conveyor length (L) = 12 m
- Chain weight (W_c) = 2,6 Kg/m
- Conveyed product weight (W_m) = 7,5 Kg/m
- Friction factor (f_1) = 0,20
  (table A: chain-polyethylene wear strip)

Calculation of the Chain Tension at Headshaft (F_t)

$F_t=[(2W_c+W_m)xLxf_1xf_p+L_sxW_mxf_2xS]x9,81$
$=[(2x2,6+7,5)x12x0,20x1,7+8x7,5x0,45x0,7]x9,81$
$= 693,72$ N

Calculation of the Speed/Length ratio (v/L)

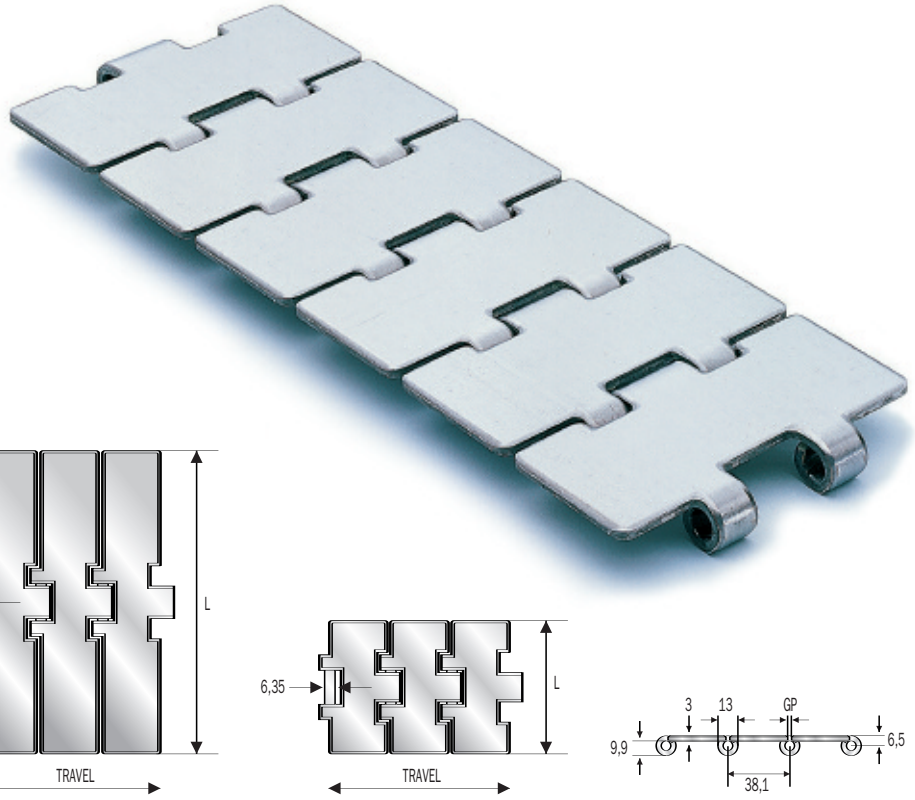
v/L = 45/12
= 3,75 m/min/m

The “allowable working load” diagram shows that the maximum chain tension at headshaft available for that chain and for that speed ratio is 1300 N.
The selected chain is therefore suitable for our purpose.

Calculation of Power (P)

$$P = \frac{F_t \times v}{6 \times 10^4} = \frac{693,72 \times 45}{6 \times 10^4} = 0,520 \text{ kW}$$

Straight running chains - Single hinge



Super

Hard Inox

- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSHR 812 K213	**S.7.00.013***	Super	54,1	-	30	2,8	75	2,10
SSHR 812 K250	**S.7.00.020**	Super	63,5	2 1/2	30	2,8	75	2,20
SSHR 812 K263	**S.7.00.025**	Super	66,7	2 5/8	30	2,8	75	2,30
SSHR 812 K300	**S.7.00.030**	Super	76,2	3	30	2,8	75	2,45
SSHR 812 K325	**S.7.00.040**	Super	82,5	3 1/4	30	2,8	75	2,60
SSHR 812 K335	**S.7.00.050***	Super	85,0	-	30	2,8	75	2,68
SSHR 812 K350	**S.7.00.060**	Super	88,9	3 1/2	30	2,8	75	2,70
SSHR 812 K500	**S.7.00.090**	Super	127,0	5	30	2,8	75	3,50
SSH 812 K225	**S.7.00.015***	Super	57,1	2 1/4	30	1,6	150	2,18
SSH 812 K250	**S.7.00.021**	Super	63,5	2 1/2	30	1,6	150	2,25
SSH 812 K275	**S.7.00.200**	Super	69,9	2 3/4	30	1,6	150	2,35
SSH 812 K300	**S.7.00.031**	Super	76,2	3	30	1,6	150	2,50
SSH 812 K325	**S.7.00.041**	Super	82,5	3 1/4	30	1,6	150	2,65
SSH 812 K375	**S.7.00.065***	Super	95,3	3 3/4	30	1,6	150	2,85
SSH 812 K400	**S.7.00.070**	Super	101,6	4	30	1,6	150	3,00
SSH 812 K450	**S.7.00.080**	Super	114,3	4 1/2	30	1,6	150	3,30
SSH 812 K600	**S.7.00.100**	Super	152,4	6	30	1,6	150	4,20
SSH 812 K750	**S.7.00.110**	Super	190,5	7 1/2	30	1,6	150	5,10

* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Superspeed

HQ Inox

- Special, new stainless steel, chrome-nickel (W.1.4589) slats, work hardened for high resistance with very little roughness, Ra ≤ 0.18 microns.
- Special martensitic stainless steel pins, magnetic and heat treated for high resistance.

The chain is produced with a special profile: thanks to its perfect levelness and shiny surface, it is particularly suitable for pressureless combiners/inliners and for high speed systems.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSX 812 K325	**DX.7.00.040**	Superspeed	82,5	3 1/4	30	1,6	150	2,60

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Wear-Proof

HQ Inox

- Special, new stainless steel, chrome-nickel (W.1.4589) slats, work hardened for high resistance with very little surface roughness, Ra ≤ 0.2 microns.
- Special martensitic stainless steel pins, magnetic and heat treated for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSHQR 812 K325	**D.7.00.040**	Wear-Proof	82,5	3 1/4	30	2,8	75	2,60
SSHQ 812 K325	**D.7.00.041**	Wear-Proof	82,5	3 1/4	30	1,6	150	2,65

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Standard

Inox

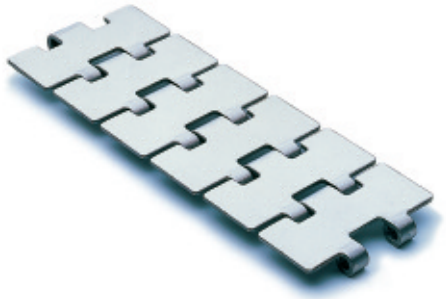
- Ferritic, AISI 430 stainless steel slats, work hardened, with shiny surface having low roughness.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSR 812 K213	**7.00.013***	Standard	54,1	-	20	2,8	75	2,10
SSR 812 K250	**7.00.020**	Standard	63,5	2 1/2	20	2,8	75	2,20
SSR 812 K263	**7.00.025**	Standard	66,7	2 5/8	20	2,8	75	2,30
SSR 812 K300	**7.00.030**	Standard	76,2	3	20	2,8	75	2,45
SSR 812 K335	**7.00.050***	Standard	85,0	-	20	2,8	75	2,68
SSR 812 K350	**7.00.060**	Standard	88,9	3 1/2	20	2,8	75	2,70
SS 812 K225	**7.00.015**	Standard	57,1	2 1/4	20	1,6	150	2,18
SS 812 K250	**7.00.021**	Standard	63,5	2 1/2	20	1,6	150	2,25
SS 812 K275	**7.00.200**	Standard	69,9	2 3/4	20	1,6	150	2,35
SS 812 K300	**7.00.031**	Standard	76,2	3	20	1,6	150	2,50
SS 812 K325	**7.00.041**	Standard	82,5	3 1/4	20	1,6	150	2,65
SS 812 K400	**7.00.070**	Standard	101,6	4	20	1,6	150	3,00
SS 812 K450	**7.00.080**	Standard	114,3	4 1/2	20	1,6	150	3,30
SS 812 K600	**7.00.100**	Standard	152,4	6	20	1,6	150	4,20
SS 812 K750	**7.00.110**	Standard	190,5	7 1/2	20	1,6	150	5,10

* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Special

Inox



- Ferritic, AISI 430 stainless steel slats, work hardened, with shiny surface having low roughness.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSR 812 K325	**H.7.00.040**	Special	82,5	3 1/4	20	2,8	75	2,55

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Stella D.

Inox 18/8

- Chrome-nickel, austenitic AISI 304 stainless steel slats (18% Chrome - 8% Nickel), work hardened for high resistance - shiny - with a roughness of Ra < 0.5 microns.
- Austenitic stainless steel pins (18% Chrome - 8% Nickel), work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSAR 815 K213	**7.10.013***	Stella D.	54,1		26	2,8	75	2,10
SSAR 815 K250	**7.10.020**	Stella D.	63,5	2 1/2	26	2,8	75	2,20
SSAR 815 K263	**7.10.025**	Stella D.	66,7	2 5/8	26	2,8	75	2,30
SSAR 815 K300	**7.10.030**	Stella D.	76,2	3	26	2,8	75	2,45
SSAR 815 K325	**7.10.040**	Stella D.	82,5	3 1/4	26	2,8	75	2,60
SSAR 815 K335	**7.10.050***	Stella D.	85,0		26	2,8	75	2,68
SSAR 815 K350	**7.10.060**	Stella D.	88,9	3 1/2	26	2,8	75	2,70
SSAR 815 K500	**7.10.090**	Stella D.	127,0	5	26	2,8	75	3,50
SSA 815 K225	**7.10.015**	Stella D.	57,1	2 1/4	26	1,6	150	2,18
SSA 815 K250	**7.10.021**	Stella D.	63,5	2 1/2	26	1,6	150	2,25
SSA 815 K275	**7.10.200**	Stella D.	69,9	2 3/4	26	1,6	150	2,35
SSA 815 K300	**7.10.031**	Stella D.	76,2	3	26	1,6	150	2,50
SSA 815 K325	**7.10.041**	Stella D.	82,5	3 1/4	26	1,6	150	2,65
SSA 815 K375	**7.10.065***	Stella D.	95,3	3 3/4	26	1,6	150	2,85
SSA 815 K400	**7.10.070**	Stella D.	101,6	4	26	1,6	150	3,00
SSA 815 K450	**7.10.080**	Stella D.	114,3	4 1/2	26	1,6	150	3,30
SSA 815 K600	**7.10.100**	Stella D.	152,4	6	26	1,6	150	4,20
SSA 815 K750	**7.10.110**	Stella D.	190,5	7 1/2	26	1,6	150	5,10

* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

316

Inox 316

- Chrome-nickel, austenitic AISI 316L stainless steel slats (18% Chrome - 14% Nickel - 3% Molybdenum).
- Austenitic AISI 316 stainless steel pins.

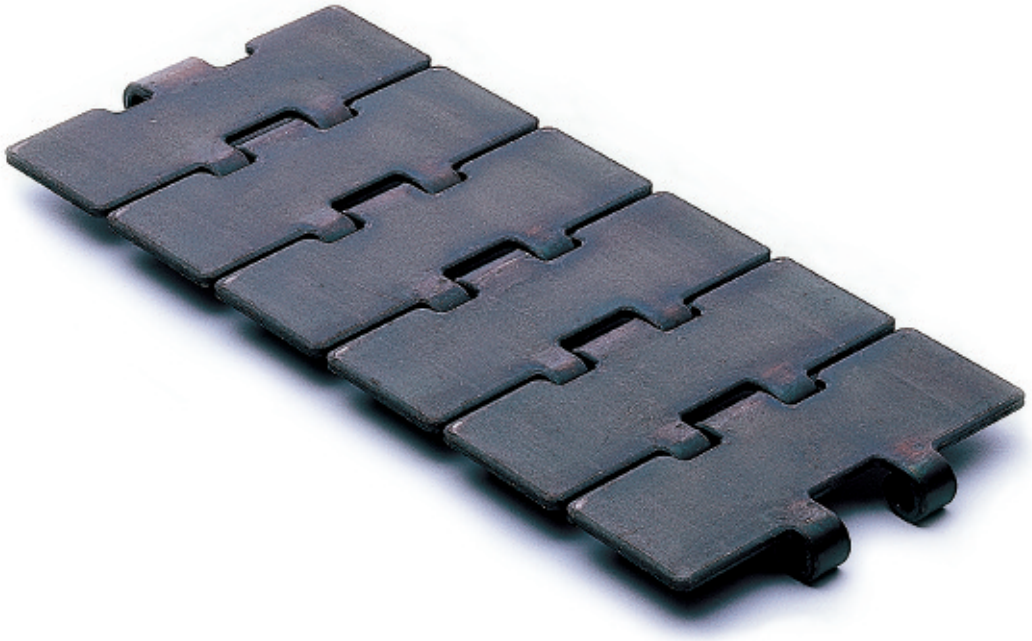
Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSAA 815 K325	**7.25.041***	316	82,5	3 1/4	-	1,6	150	2,65
SSAA 815 K450	**7.25.080***	316	114,3	4 1/2	-	1,6	150	3,30
SSAA 815 K600	**7.25.100***	316	152,4	6	-	1,6	150	4,20
SSAA 815 K750	**7.25.110***	316	190,5	7 1/2	-	1,6	150	5,10

* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Accate

Carbon Steel

- Heat-treated carbon steel slats.
- Case hardened carbon steel pins.



Chain ref.	Magris code	Model	L=Slat width		Core Hardness	Surface Hardness	GP	RCC	Weight per metre
			mm	''	HRC	HRC	mm	mm	Kg/m
SR 815 K250	**7.90.020**	Accate	63,5	2 1/2	43	43	2,8	75	2,20
SR 815 K263	**7.90.025***	Accate	66,7	2 5/8	43	43	2,8	75	2,30
SR 815 K300	**7.90.030**	Accate	76,2	3	43	43	2,8	75	2,45
SR 815 K325	**7.90.040**	Accate	82,5	3 1/4	43	43	2,8	75	2,60
SR 815 K350	**7.90.060**	Accate	88,9	3 1/2	43	43	2,8	75	2,70
SR 815 K500	**7.90.090**	Accate	127,0	5	43	43	2,8	75	3,50
S 815 K225	**7.90.015**	Accate	57,1	2 1/4	43	43	1,6	150	2,15
S 815 K250	**7.90.021**	Accate	63,5	2 1/2	43	43	1,6	150	2,22
S 815 K300	**7.90.031**	Accate	76,2	3	43	43	1,6	150	2,50
S 815 K325	**7.90.041**	Accate	82,5	3 1/4	43	43	1,6	150	2,65
S 815 K400	**7.90.070**	Accate	101,6	4	43	43	1,6	150	3,00
S 815 K450	**7.90.080**	Accate	114,3	4 1/2	43	43	1,6	150	3,30
S 815 K473	**7.90.220***	Accate	120,0	-	43	43	1,6	150	3,45
S 815 K600	**7.90.100**	Accate	152,4	6	43	43	1,6	150	4,20
S 815 K750	**7.90.110**	Accate	190,5	7 1/2	43	43	1,6	150	5,10

* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Accate-C

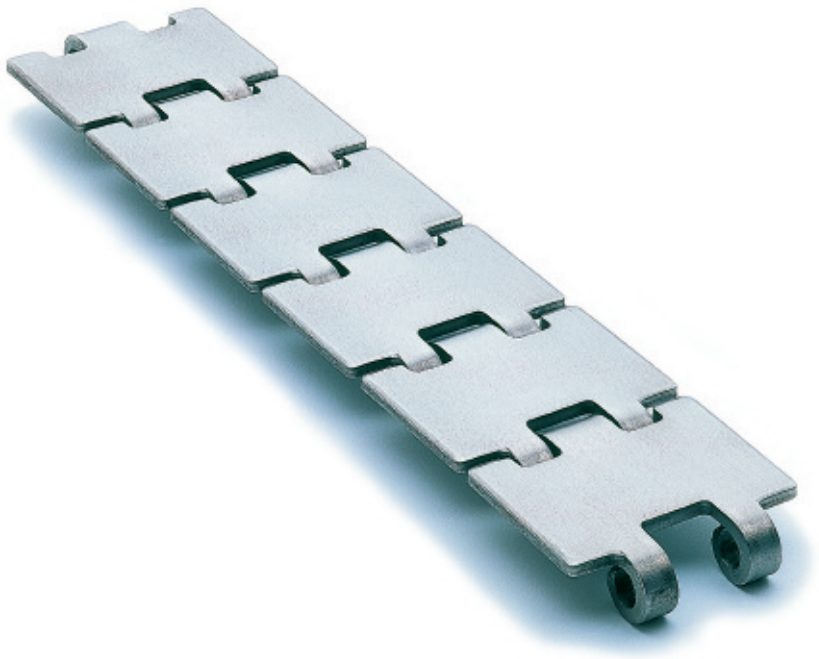
Carbon Steel

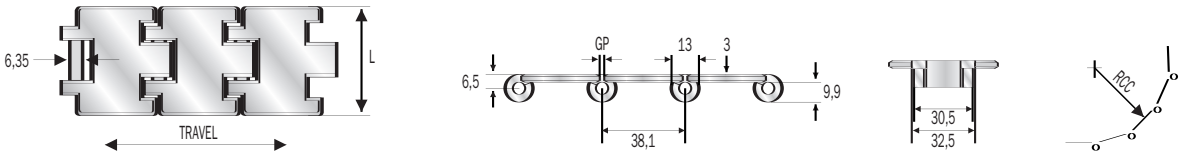
- Case-hardened carbon steel slats and pins.

Chain ref.	Magris code	Model	L=Slat width		Core Hardness	Surface Hardness	GP	RCC	Weight per metre
			mm	''	HRC	HRC	mm	mm	Kg/m
SCR 815 K325	**C.7.90.040***	Accate-C	82,5	3 1/4	40	55	2,8	75	2,60
SC 815 K325	**C.7.90.041***	Accate-C	82,5	3 1/4	40	55	1,6	150	2,65
SC 815 K450	**C.7.90.080***	Accate-C	114,3	4 1/2	40	55	1,6	150	3,30

* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

“Mignon” straight running chains - Single hinge





Standard

Inox

- Ferritic, AISI 430 stainless steel slats, work hardened, with shiny surface having low roughness.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Stella D.

Inox 18/8

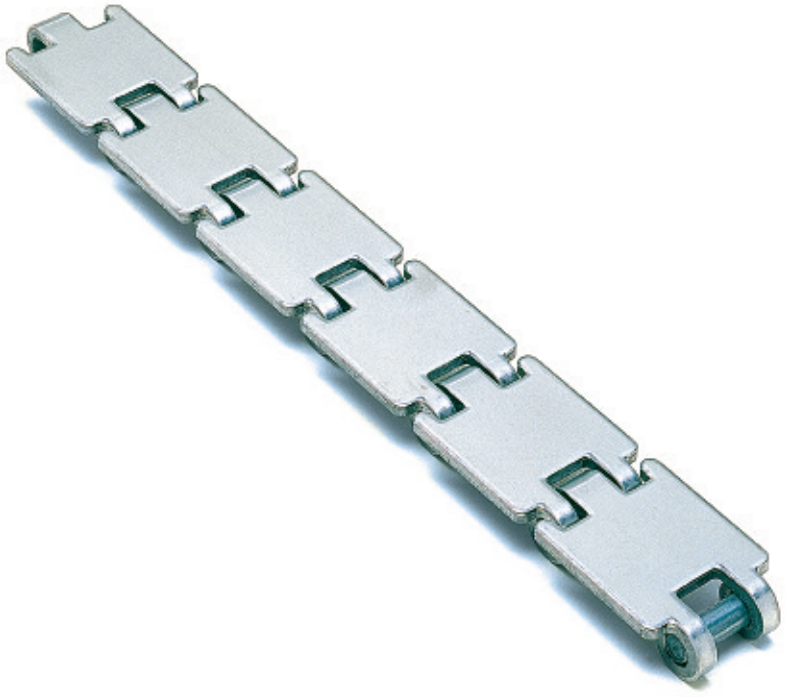
- Chrome-nickel, austenitic AISI 304 stainless steel slats (18% Chrome - 8% Nickel), work hardened for high resistance - shiny - with a roughness of Ra < 0.5 microns.
- Austenitic stainless steel pins (18% Chrome - 8% Nickel), work hardened for high resistance.

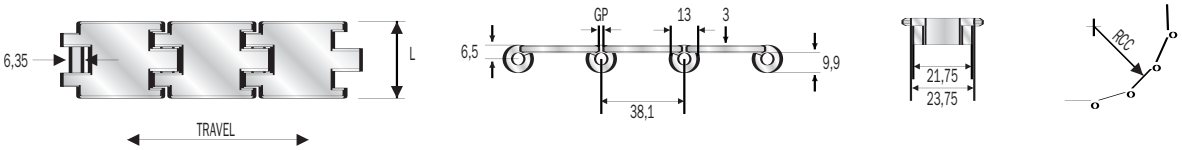
Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSR 812 K197	**7.00.010**	Standard	50,0	-	20	2,5	90	1,60
SSAR 815 K197	**7.10.010**	Stella D.	50,0	-	26	2,5	90	1,60

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Super
Hard Inox

• Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
• AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

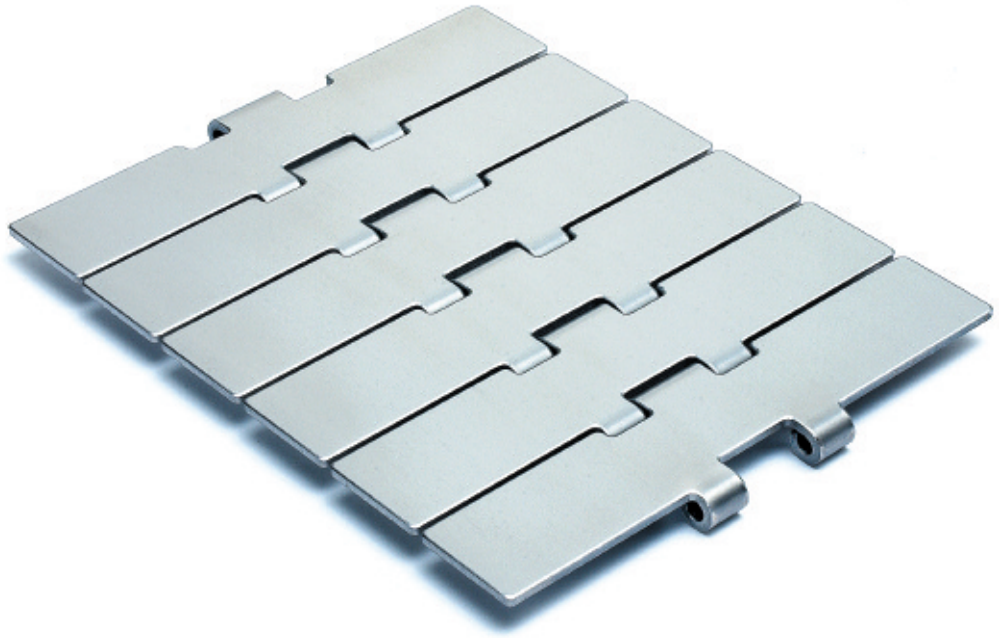


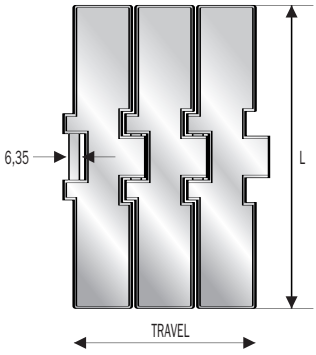


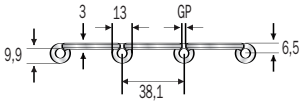
Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSHR 812 K125	**8.25.280**	Super	31,8	1 1/4	30	2,8	75	1,10
SSHR 812 K175	**8.25.300**	Super	44,5	1 3/4	30	2,8	75	1,30

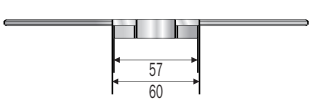
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

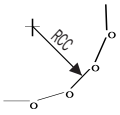
Straight running chains - Single reinforced hinge











Super

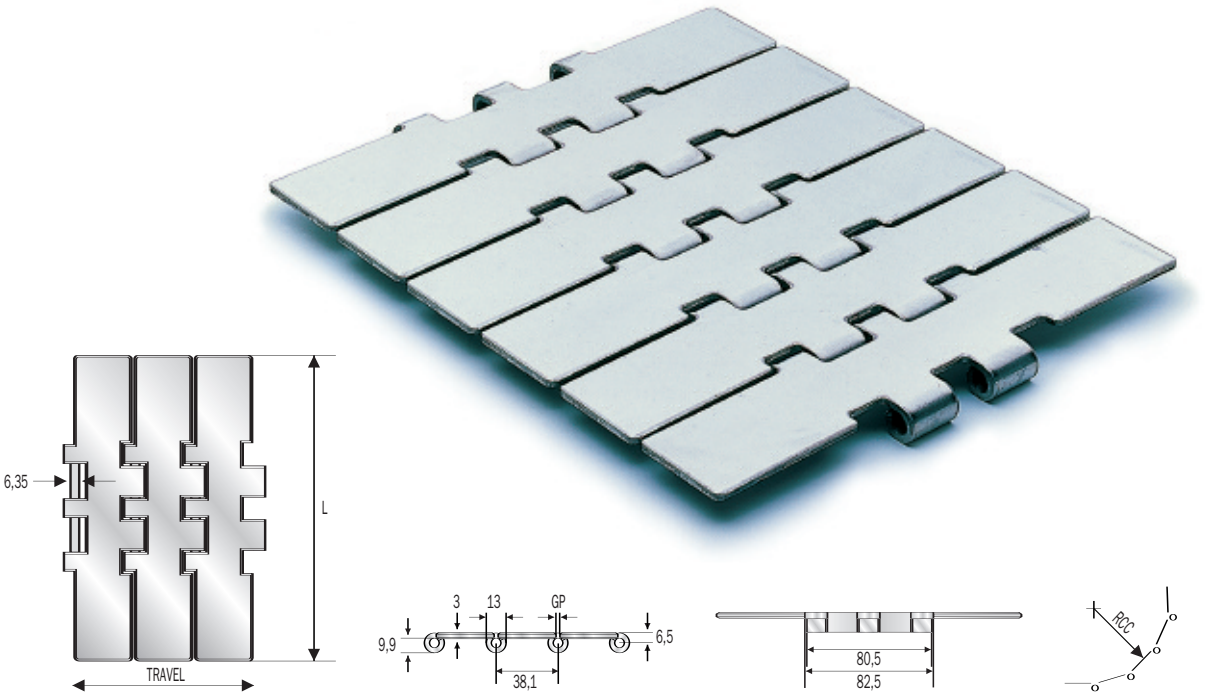
Hard Inox

- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSH 8127-K750	**S.7.00.175**	Super	190,5	7 1/2	30	1,6	150	5,10

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Straight running chains - Double hinge



Standard

Inox

- Ferritic, AISI 430 stainless steel slats, work hardened, with shiny surface having low roughness.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Super

Hard Inox

- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Stella D.

Inox 18/8

- Chrome-nickel, austenitic AISI 304 stainless steel slats (18% Chrome - 8% Nickel), work hardened for high resistance - shiny - with a roughness of Ra < 0.5 microns.
- Austenitic stainless steel pins (18% Chrome - 8% Nickel), work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SS 802 K750	**7.04.110**	Standard	190,5	7 1/2	20	1,6	150	5,80
SSH 802 K750	**S.7.04.110**	Super	190,5	7 1/2	30	1,6	150	5,80
SSA 805 K750	**7.14.110**	Stella D.	190,5	7 1/2	26	1,6	150	5,80

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Accate

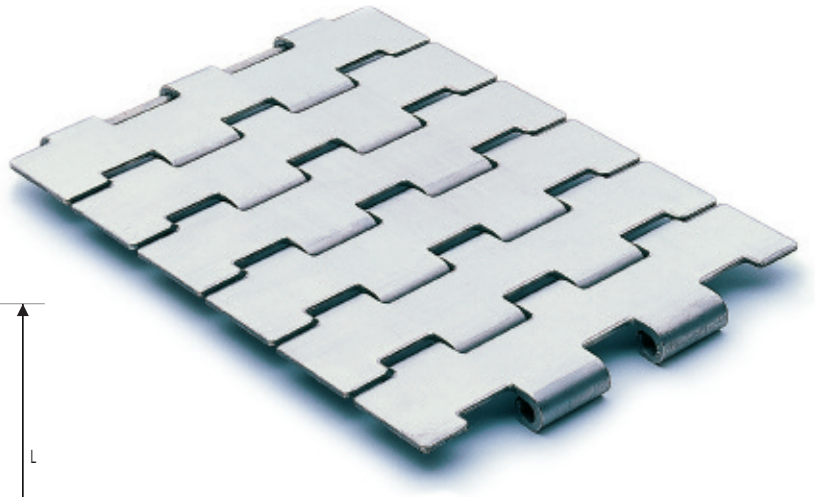
Carbon Steel

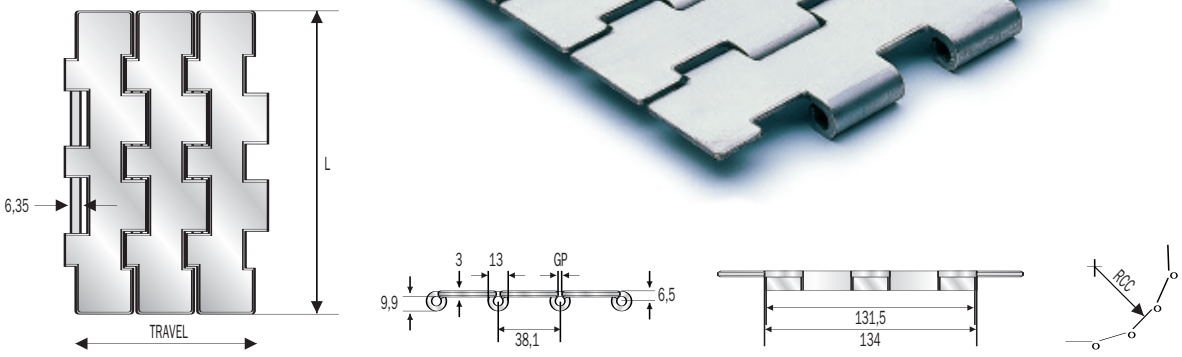
- Heat-treated carbon steel slats, with a surface and core hardness of 43 HRC.
- Case-hardened carbon steel pins.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SR 802 K750	**7.94.111**	Accate	190,5	7 1/2	43	2,8	75	5,70
S 802 K750	**7.94.110**	Accate	190,5	7 1/2	43	1,6	150	5,80

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Straight running chains - Double reinforced hinge





Stella D.

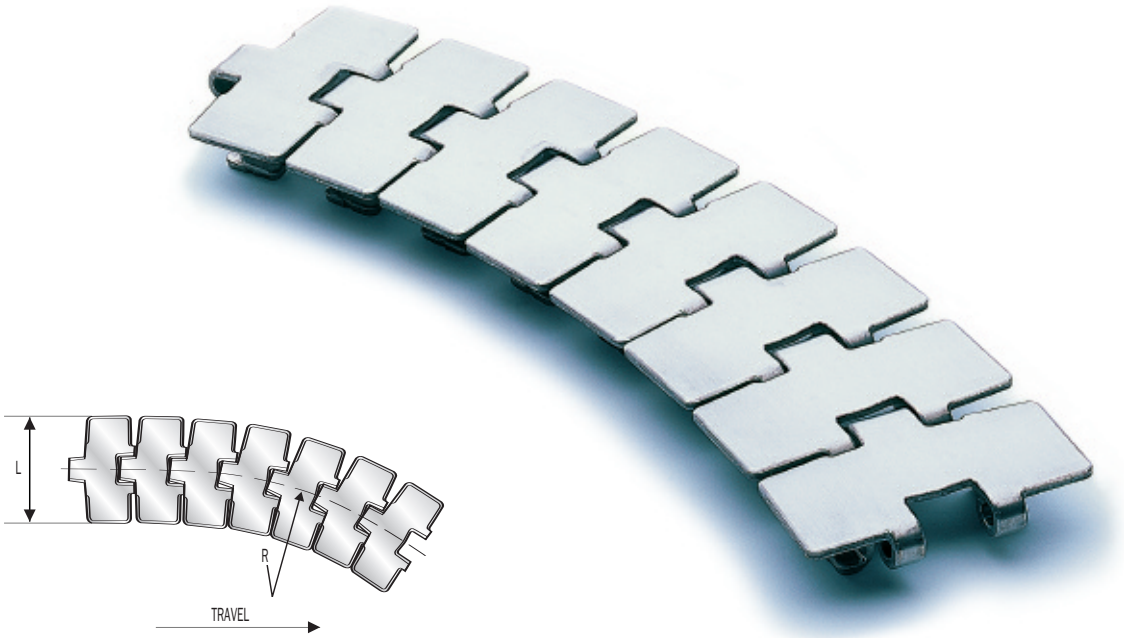
Inox 18/8

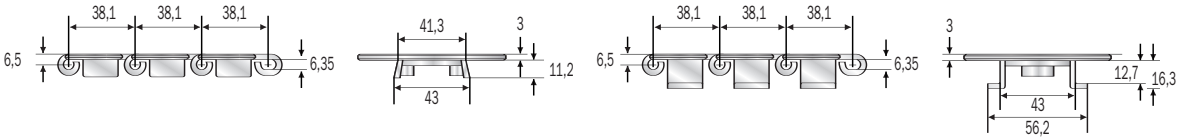
- Chrome-nickel, austenitic AISI 304 stainless steel slats (18% Chrome - 8% Nickel), work hardened for high resistance - shiny - with a roughness of Ra < 0.5 microns.
- Austenitic stainless steel pins (18% Chrome - 8% Nickel), work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSA 804 K670	**7.24.050**	Stella D.	170,0	-	26	2,5	90	6,30
SSA 804 K750	**7.24.060**	Stella D.	190,5	7 1/2	26	2,5	90	6,80

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Sideflexing hinged slat chains





Flex RXMC

Inox

- Ferritic, AISI 430 stainless steel slats, work hardened, with shiny surface having low roughness.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), work hardened for high resistance.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Flex RXMS

Hard Inox

- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), work hardened for high resistance.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Chain ref.	**Magris code**	Model	L=Slat width		R=Minimun sideflexing radius	Weight per metre
			mm	''	mm	Kg/m
SS 881 T K325	**8.23.041**	Flex RXMC Tab	82,5	3 1/4	457	3,10
SSH 881 K325	**S.8.23.040**	Flex RXMS 8	82,5	3 1/4	457	2,90
SSH 881 K450	**S.8.23.080**	Flex RXMS 8	114,3	4 1/2	500	3,60
SSH 881 K750	**S.8.23.110**	Flex RXMS 8	190,5	7 1/2	500	5,30
SSH 881 T K325	**S.8.23.041**	Flex RXMS Tab	82,5	3 1/4	457	3,10
SSH 881 T K450	**S.8.23.081**	Flex RXMS Tab	114,3	4 1/2	500	3,80
SSH 881 T K750	**S.8.23.111**	Flex RXMS Tab	190,5	7 1/2	500	5,50

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Flex RXM

Inox 18/8

- Chrome-nickel, austenitic AISI 304 stainless steel slats (18% Chrome - 8% Nickel), work hardened for high resistance - shiny with a roughness of Ra < 0.5 microns.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), work hardened for high resistance.
- Austenitic stainless steel pins (18% Chrome - 8% Nickel), work hardened for high resistance.

Flex RXM 316

Inox 316

- Chrome-nickel, austenitic AISI 316L stainless steel slats (18% Chrome - 14% Nickel - 3% Molybdenum).
- Chrome-nickel, austenitic AISI 316L stainless steel guide shoes.
- Austenitic AISI 316 stainless steel pins.

Flex RXMA

Carbon Steel

- Heat-treated carbon steel slats, with a surface and core hardness of 43 HRC.
- Case-hardened carbon steel pins.

Upon request, the “Flex RXMA Tab” chain with a slat width of 82.6 mm (3 1/4”) can be produced in case hardened carbon steel having a surface hardness of 55 HRC and a core hardness of 40 HRC (code: **C.8.93.041**).

Chain ref.	Magris code	Model	L=Slat width		R=Minimun sideflexing radius	Weight per metre
			mm	''	mm	Kg/m
SSA 881 K325	**8.13.040**	Flex RXM 8	82,5	3 1/4	457	2,90
SSA 881 K450	**8.13.080**	Flex RXM 8	114,3	4 1/2	500	3,60
SSA 881 K750	**8.13.110**	Flex RXM 8	190,5	7 1/2	500	5,30
SSA 881 T K325	**8.13.041**	Flex RXM Tab	82,5	3 1/4	457	3,10
SSA 881 T K450	**8.13.081**	Flex RXM Tab	114,3	4 1/2	500	3,80
SSA 881 T K750	**8.13.111**	Flex RXM Tab	190,5	7 1/2	500	5,50
SSAA 881 T K325	**8.33.041***	Flex RXM 316 Tab	82,5	3 1/4	457	3,10
SSAA 881 T K450	**8.33.081***	Flex RXM 316 Tab	114,3	4 1/2	500	3,80
SSAA 881 T K750	**8.33.111***	Flex RXM 316 Tab	190,5	7 1/2	500	5,50
S 881 K325	**8.93.040**	Flex RXMA 8	82,5	3 1/4	457	2,90
S 881 K450	**8.93.080**	Flex RXMA 8	114,3	4 1/2	500	3,60
S 881 K750	**8.93.110**	Flex RXMA 8	190,5	7 1/2	500	5,30
S 881 T K250	**8.93.021**	Flex RXMA Tab	63,5	2 1/2	457	2,65
S 881 T K325	**8.93.041**	Flex RXMA Tab	82,5	3 1/4	457	3,10
S 881 T K450	**8.93.081**	Flex RXMA Tab	114,3	4 1/2	500	3,80
S 881 T K750	**8.93.111**	Flex RXMA Tab	190,5	7 1/2	500	5,50

* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Flex FMS

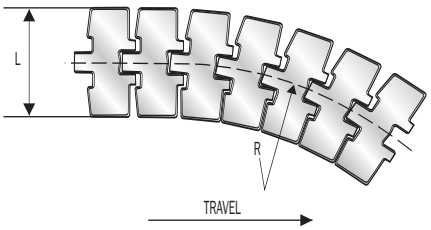
Hard Inox

- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), work hardened for high resistance.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Flex FMD

HQ Inox

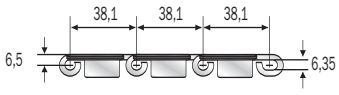
- Special, new stainless steel, chrome-nickel (W.1.4589) slats, work hardened for high resistance, with low surface roughness, Ra ≤ 0.2 microns.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), work hardened for high resistance.
- Special martensitic stainless steel pins, magnetic and heat treated for high resistance.

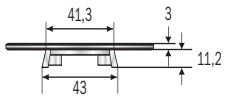


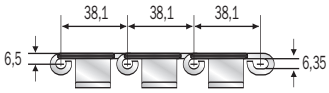
Flex FM

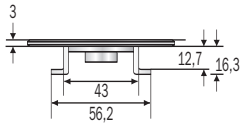
Inox 18/8

- Chrome-nickel, austenitic AISI 304 stainless steel slats (18% Chrome - 8% Nickel), work hardened for high resistance - shiny - with a roughness of Ra < 0.5 microns.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), work hardened for high resistance.
- Austenitic stainless steel pins (18% Chrome - 8% Nickel), work hardened for high resistance.









Chain ref.	Magris code	Model	L=Slat width		R=Minimun sideflexing radius	Weight per metre
			mm	''	mm	Kg/m
SSH 8811 K325	**S.8.26.040**	Flex FMS 8	82,5	3 1/4	500	2,90
SSH 8811 K350	**S.8.26.060**	Flex FMS 8	88,9	3 1/2	500	3,10
SSH 8811 T K325	**S.8.26.041**	Flex FMS Tab	82,5	3 1/4	500	3,10
SSH 8811 T K350	**S.8.26.061**	Flex FMS Tab	88,9	3 1/2	500	3,30
SSX 8811 T K325	**D.8.26.041**	Flex FMD Tab	82,5	3 1/4	500	3,10
SSA 8811 K325	**8.16.040**	Flex FM 8	82,5	3 1/4	500	2,90
SSA 8811 K350	**8.16.060**	Flex FM 8	88,9	3 1/2	500	3,10
SSA 8811 T K325	**8.16.041**	Flex FM Tab	82,5	3 1/4	500	3,10
SSA 8811 T K350	**8.16.061**	Flex FM Tab	88,9	3 1/2	500	3,30

Confezione rotoli da 80 passi = 10 piedi = 3,048 metri

Flex FMS2

R=200 mm

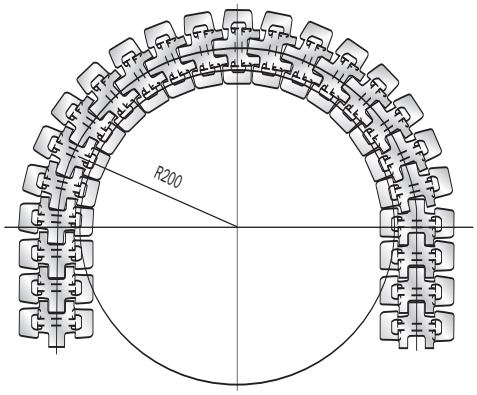
Hard Inox

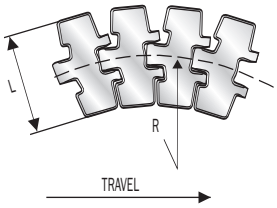
- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), work hardened for high resistance.
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

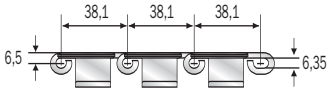
Flex FM2

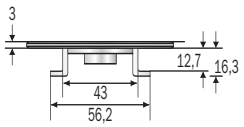
R=200 mm

Inox 18/8







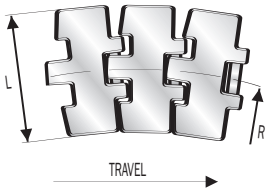


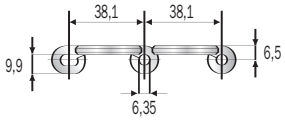
- Chrome-nickel, austenitic AISI 304 stainless steel slats (18% Chrome - 8% Nickel), work hardened for high resistance - shiny - with a roughness of Ra < 0.5 microns.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), work hardened for high resistance.
- Austenitic stainless steel pins (18% Chrome - 8% Nickel), work hardened for high resistance.

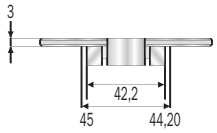
Chain ref.	Magris code	Model	L=Slat width		R=Minimun sideflexing radius	Weight per metre
			mm	''	mm	Kg/m
SSH 881 R T K325	**S.8.29.041**	Flex FMS2 Tab	82,5	3 1/4	200	3,00
SSA 881 R T K325	**8.19.041**	Flex FM2 Tab	82,5	3 1/4	200	3,00

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres.
Not to be used with lateral curving discs.

Sideflexing hinged slat chains for magnetic systems







New Flex Mag

Hard Inox

- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
- Special, stainless steel pins, 400 series - magnetic - work hardened for high resistance.

New Flex Mag-D

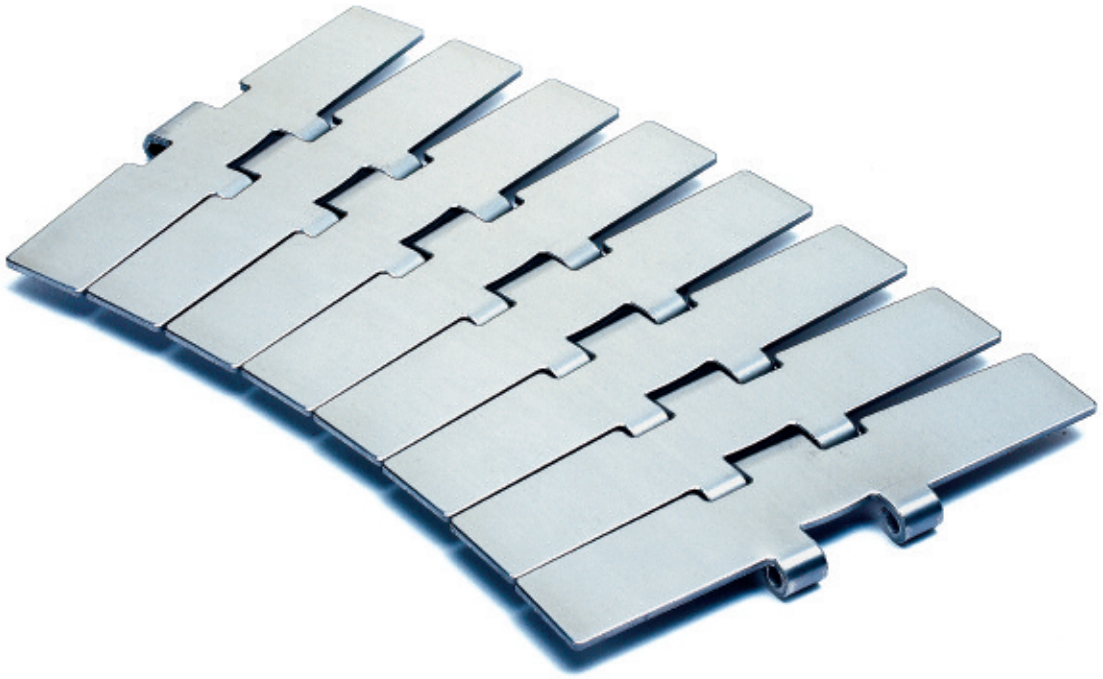
HQ Inox

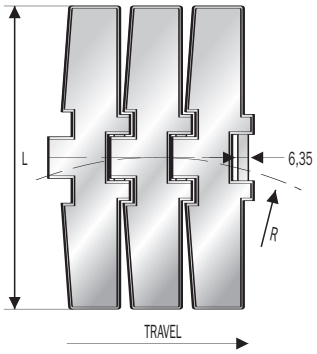
- Special, new stainless steel, chrome-nickel (W.1.4589) slats - magnetic - work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.2 microns.
- Special, martensitic stainless steel, magnetic and heat treated for high resistance.

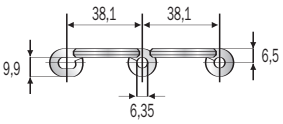
Chain ref.	**Magris code**	Model	L=Slat width		R=Minimun sideflexing radius	Weight per metre
			mm	''	mm	Kg/m
SSH 881 M K325	**S.7.08.040**	New Flex Mag	82,5	3 1/4	500	2,50
SSH 881 M K450	**S.7.08.080**	New Flex Mag	114,3	4 1/2	500	3,20
SSH 881 M K750	**S.7.08.110**	New Flex Mag	190,5	7 1/2	500	4,90
SSX 881 M K325	**D.7.08.040***	New Flex Mag-D	82,5	3 1/4	500	2,50

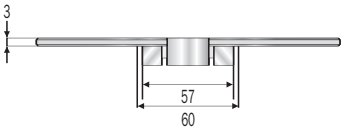
* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Sideflexing chains for magnetic systems - Reinforced hinge









New Flex Mag

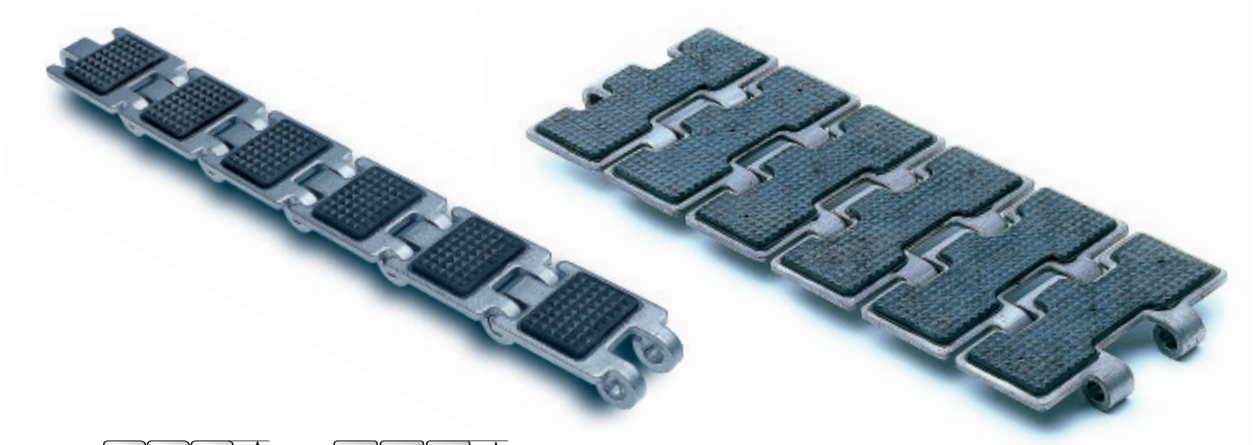
Hard Inox

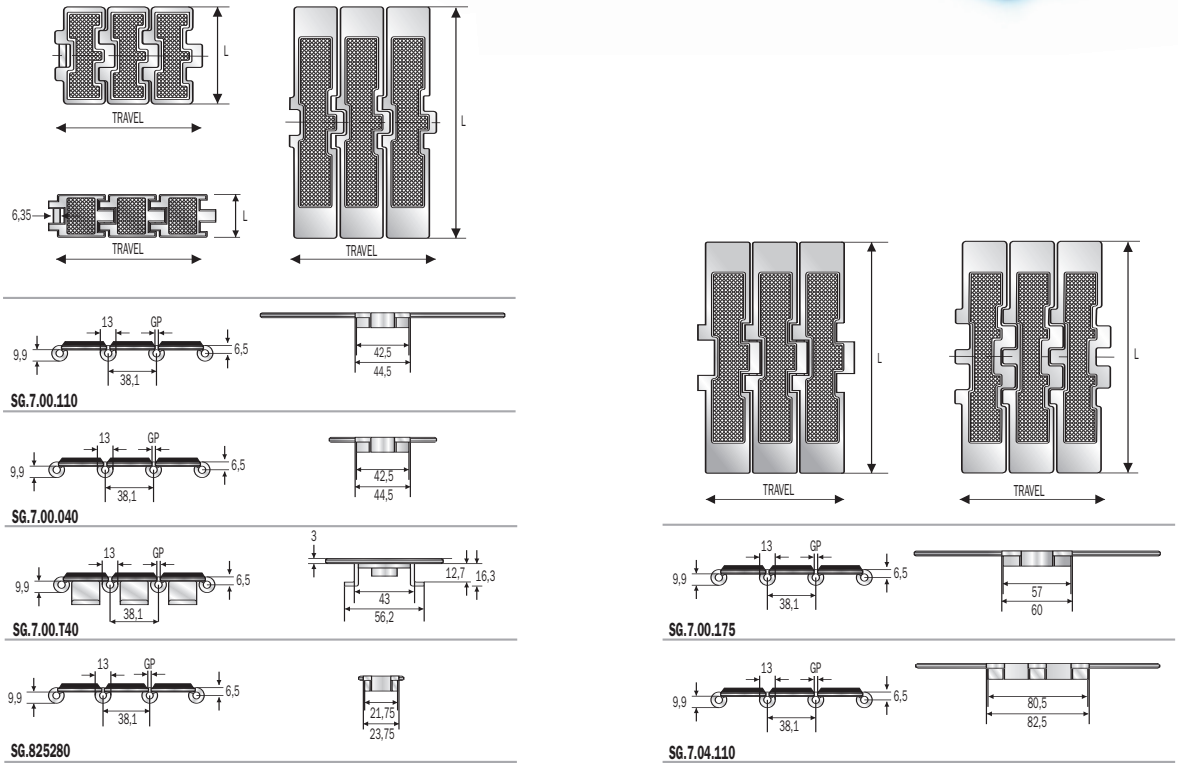
- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with shiny surface having a roughness of Ra ≤ 0.3 microns.
- Special, stainless steel pins, 400 series - magnetic - work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		R=Minimun sideflexing radius	Weight per metre
			mm	''	mm	Kg/m
SSH 8817 M K750	**S.7.08.175**	New Flex Mag	190,5	7 1/2	860	5,03

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Straight running chains with rubber inserts for inclined conveyors - Single hinge





Super-G/DHG

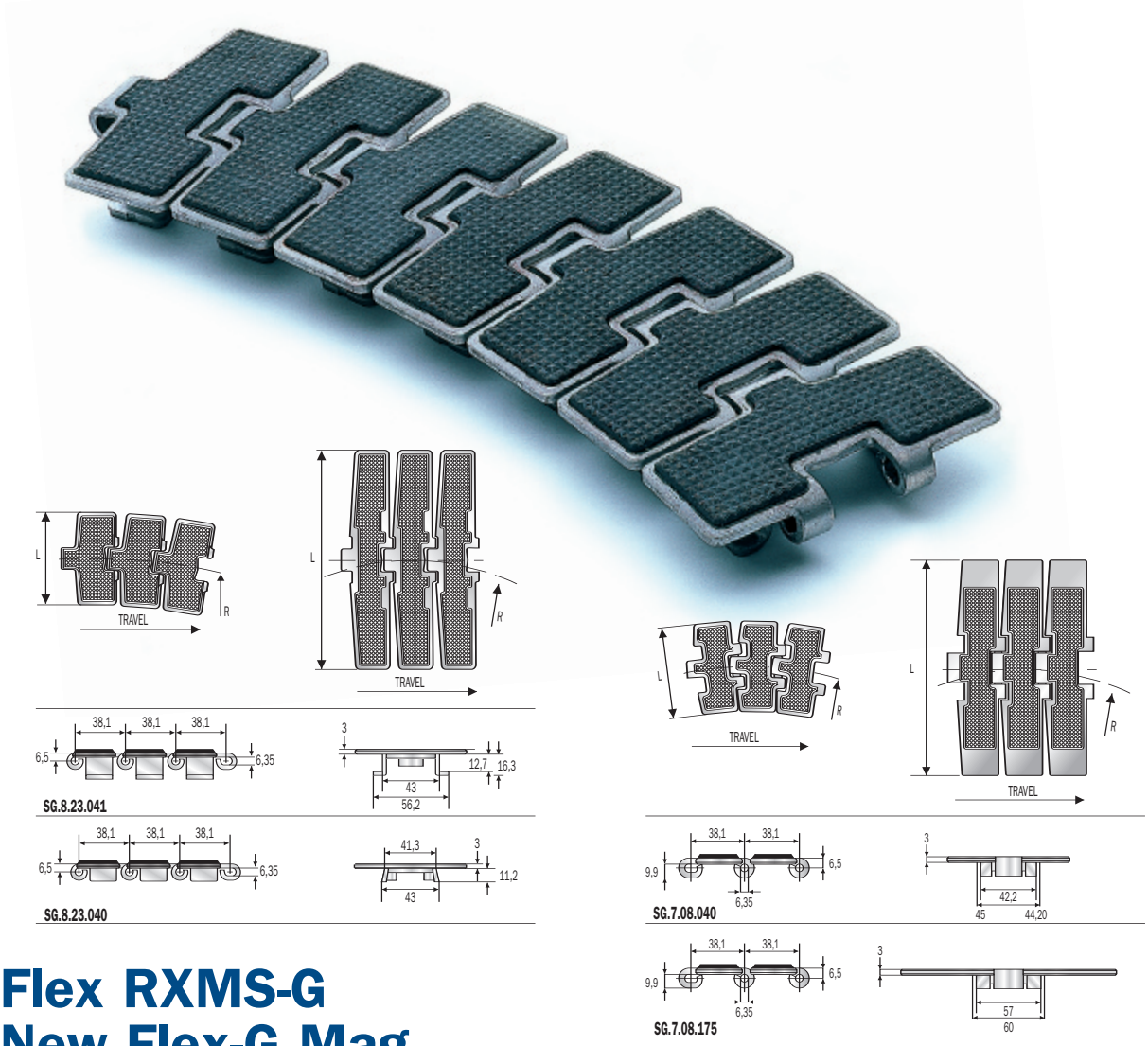
Hard Inox

- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with a rubber insert.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), (Super-G TAB).
- AISI 431 stainless steel pins, magnetic and work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		Hardness	GP	RCC	Weight per metre
			mm	''	HRC	mm	mm	Kg/m
SSHR 812 G K125	**SG.8.25.280**	Super-G	31,8	1 1/4	30	2,8	75	1,20
SSHR 812 G K325	**SG.7.00.040**	Super-G	82,5	3 1/4	30	2,8	75	2,80
SSHR 812 T G K325	**SG.7.00.T40**	Super-G Tab	82,5	3 1/4	30	2,8	75	3,40
SSH 812 G K450	**SG.7.00.080**	Super-G	114,3	4 1/2	30	1,6	150	3,50
SSH 812 G K600	**SG.7.00.100**	Super-G	152,4	6	30	1,6	150	4,40
SSH 812 G K750	**SG.7.00.110**	Super-G	190,5	7 1/2	30	1,6	150	5,30
SSH 8127 G K750	**SG.7.00.175**	Super-G	190,5	7 1/2	30	1,6	150	5,35
SSH 802 G K750	**SG.7.04.110**	Super-DHG	190,5	7 1/2	30	1,6	150	6,20

Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

Sideflexing hinged stat chains with rubber inserts for inclined conveyors



Flex RXMS-G
New Flex-G Mag

Hard Inox

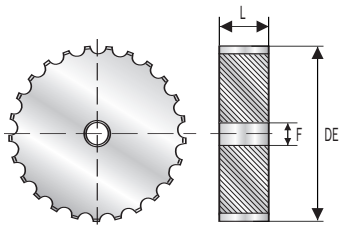
- Special, chrome-nickel, stainless steel slats, work hardened for high resistance, with a rubber insert.
- Chrome-nickel, austenitic stainless steel guide shoes (18% Chrome - 8% Nickel), (Flex RXMS-G).
- Special, stainless steel pins, 400 series - magnetic - work hardened for high resistance.

Chain ref.	Magris code	Model	L=Slat width		R=Minimun sideflexing radius	Weight per metre
			mm	''	mm	Kg/m
SSH 881 G K325	**SG.8.23.040**	Flex RXMS-G 8	82,5	3 1/4	457	3,10
SSH 881 G K450	**SG.8.23.080**	Flex RXMS-G 8	114,3	4 1/2	500	3,80
SSH 881 G K750	**SG.8.23.110**	Flex RXMS-G 8	190,5	7 1/2	500	5,50
SSH 881 T G K325	**SG.8.23.041**	Flex RXMS-G Tab	82,5	3 1/4	457	3,30
SSH 881 T G K450	**SG.8.23.081**	Flex RXMS-G Tab	114,3	4 1/2	500	4,00
SSH 881 T G K750	**SG.8.23.111**	Flex RXMS-G Tab	190,5	7 1/2	500	5,70
SSH 881 M G K325	**SG.7.08.040***	New Flex-G Mag	82,5	3 1/4	500	2,70
SSH 881 M G K750	**SG.7.08.110***	New Flex-G Mag	190,5	7 1/2	500	5,10
SSH 8817 M G K750	**SG.7.08.175**	New Flex-G Mag	190,5	7 1/2	860	5,14

* Size produced only upon request. Delivery conditions and terms to be agreed.
Standard shipping lengths: 80 pitches = 10 feet = 3,048 metres

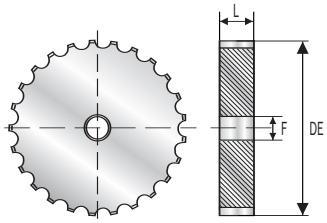
Block body machined steel sprockets

The sprocket tooth pitch (mm 19,05) is half the pitch of the chain (38,1 mm). Therefore, when a sprocket with an odd number of teeth is used, the teeth engage the chain only every other revolution. This doubles the life of sprockets.



For straight running chains and for New Flex Mag - New Flex Mag-D - New Flex Mag-G chains

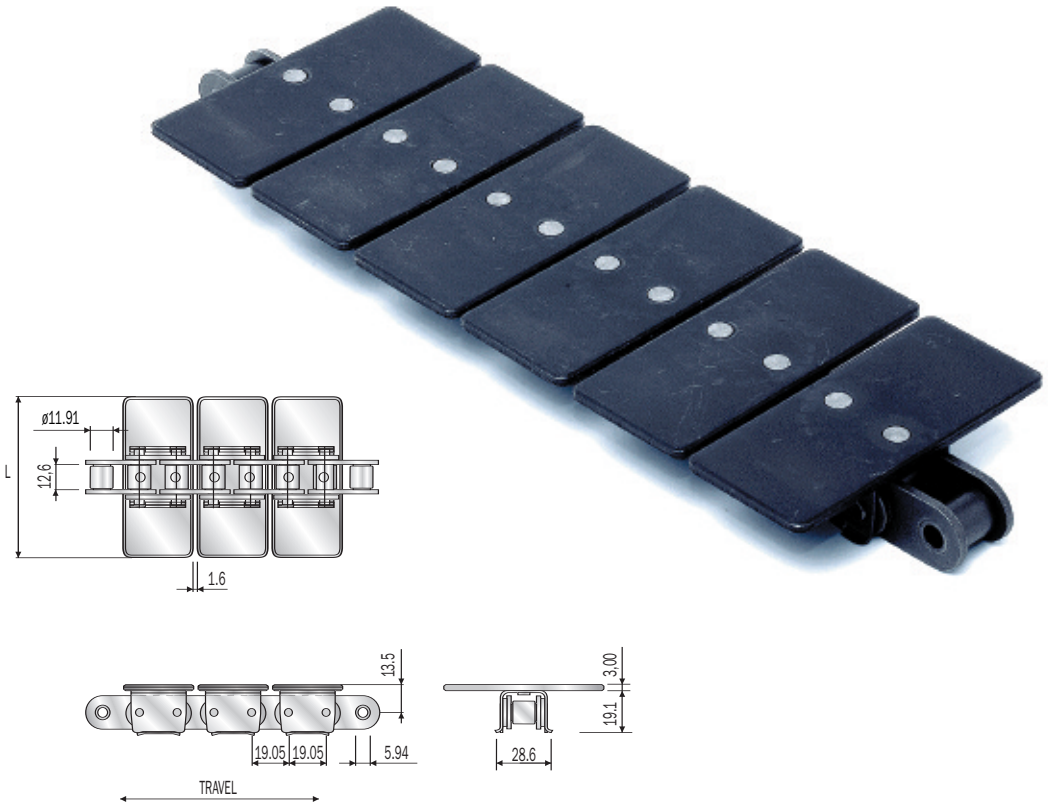
Magris code	Number of teeth	DE=Outside diameter	Pitch diameter	L=Sprocket width	F=Plain bore diameter	Weight per unit
	z	mm	mm	mm	mm	Kg/ea
8.12.020	19	117,10	117,35	43,50	20	3,05
8.12.030	21	130,05	129,25	43,50	20	3,80
8.12.040	23	142,00	141,20	43,50	20	4,60
8.12.050	25	154,20	153,20	43,50	20	5,40
8.12.060	27	166,60	165,20	43,50	20	6,40
8.12.070	29	179,05	177,25	43,50	20	7,50
8.12.080	31	191,25	189,30	43,50	20	8,70



For “mignon” - Flex RXMC - Flex RXMS - Flex RXM - Flex RXM 316 - Flex RXMA - Flex FMS - Flex FMD - Flex FM - Flex FMS2 - Flex FM - Flex RXMS-G - Super-G Tab chains

Magris code	Number of teeth	DE=Outside diameter	Pitch diameter	L=Sprocket width	F=Plain bore diameter	Weight per unit
	z	mm	mm	mm	mm	Kg/ea
8.12.120	19	117,10	117,35	31	20	2,20
8.12.130	21	130,05	129,25	31	20	2,70
8.12.140	23	142,00	141,20	31	20	3,30
8.12.150	25	154,20	153,20	31	20	3,90
8.12.160	27	166,60	165,20	31	20	4,60

“1864” Straight running Plate Top chains



1864

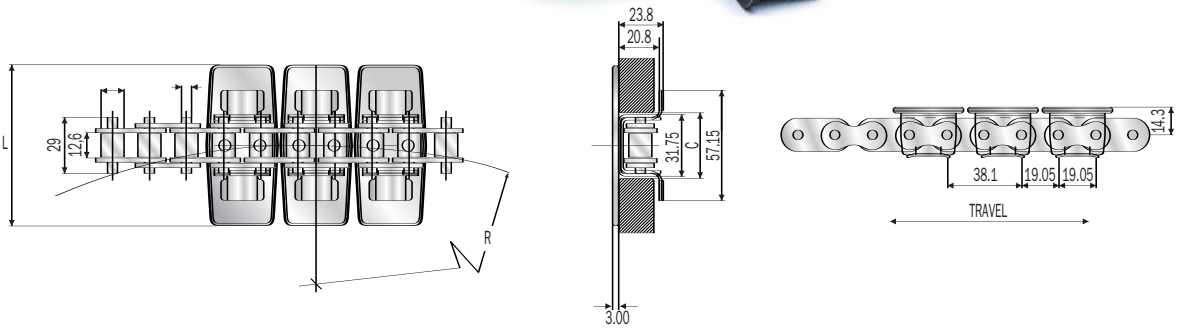
This high speed, high capacity series offers better efficiency and reliability in applications where high temperatures or abrasive materials are involved.

- Steel and stainless steel top plates.
- Base roller chain, 19,05 mm - 3/4” pitch.

Chain ref.	**Magris code**	Ultimate strength	Base chain material	Top plate material	L=Slat width	Weight per metre
		N			mm	Kg/m
1864 K325	**1864.CC.041**	37000	Carbon Steel	Carbon Steel	82,5	3,33
1864 K450	**1864.CC.081**				114,3	4,00
1864 K600	**1864.CC.101**				152,4	5,33
1864 K750	**1864.CC.111**				190,5	5,68
1864 A K325	**1864.CS.041**	37000	Carbon Steel	Stainless Steel	82,5	3,33
1864 A K450	**1864.CS.081**				114,3	4,00
1864 A K600	**1864.CS.101**				152,4	5,33
1864 A K750	**1864.CS.111**				190,5	5,68
1864 SS K325	**1864.SS.041**	26000	Stainless Steel	Stainless Steel	82,5	3,33
1864 SS K450	**1864.SS.081**				114,3	4,00
1864 SS K600	**1864.SS.101**				152,4	5,33
1864 SS K750	**1864.SS.111**				190,5	5,68

Standard shipping lengths: 160 pitches = 10 feet = 3,048 metres

“1874” Sideflexing Plate Top chains



1874

This high speed, high capacity series offers better efficiency and reliability in applications where high temperatures or abrasive materials are involved.

- Steel and stainless steel top plates.
- Base roller chain, 19,05 mm - 3/4” pitch.

Chain ref.	**Magris code.**	Ultimate strength	Base chain material	Top plate material	L=Slat width	Straight C	Curve C	R=Minimum sideflexing radius	Weight per metre
		N			mm	mm	mm	mm	Kg/m
1874 K325	**1874.CC.041**	27000	Steel	Steel	82,5	34,1	34,6	356	4,20
1874 K450	**1874.CC.081**				114,3			356	4,80
1874 K600	**1874.CC.101**				152,4			457	5,70
1874 K750	**1874.CC.111**				190,5			610	6,40
1874 A K325	**1874.CS.041**	27000	Steel	Stainless Steel	82,5	34,1	34,6	356	4,20
1874 A K450	**1874.CS.081**				114,3			356	4,80
1874 A K600	**1874.CS.101**				152,4			457	5,70
1874 A K750	**1874.CS.111**				190,5			610	6,40
1874 SS K325	**1874.SS.041**	21000	Stainless Steel	Stainless Steel	82,5	34,1	34,6	356	4,20
1874 SS K450	**1874.SS.081**				114,3			356	4,80
1874 SS K600	**1874.SS.101**				152,4			457	5,70
1874 SS K750	**1874.SS.111**				190,5			610	6,40

Standard shipping lengths: 160 pitches = 10 feet = 3,048 metres

Steel corrosion resistance table

0 = Little resistance, not recommended
• = Average resistance
•• = Good resistance, it can be used

Chemical agent	Ferritic Stainless Steel **Inox**	Special Cr-Ni Stainless Steel **Hard Inox**	Special new Cr-Ni Stainless Steel **HQ Inox**	Austenitic Stainless Steel **Inox 18/8**	Austenitic Stainless Steel **Inox 316**	**Carbon Steel**
Acetic acid	0	0	0	•	••	0
Acetone	••	••	••	••	••	0
Aluminium chloride	0	0	0	•	•	0
Ammonia	••	••	••	••	••	0
Ammonium chloride	0	0	0	•	•	0
Amyl alcohol	0	•	•	••	••	0
Aniline	•	•	•	•	•	0
Animal oil	••	••	••	••	••	••
Beer	••	••	••	••	••	•
Benzene	0	•	•	••	••	0
Benzoic acid	0	0	0	•	•	0
Benzol	•	•	•	••	••	•
Boric acid	0	•	•	•	•	0
Brine	0	0	0	•	••	0
Butter	•	•	•	••	••	0
Butyl alcohol	0	•	•	••	••	0
Butyric acid	0	0	0	•	•	0
Calcium chloride	0	0	0	0	•	0
Carbon disulphide	•	•	•	••	••	0
Carbon tetrachloride	•	•	•	••	••	•
Carbonated drinks	••	••	••	••	••	0
Caustic soda (20%)	••	••	••	••	••	0
Chlorine water	0	0	0	0	0	0
Chloroform	0	•	•	••	••	0
Citric acid	•	•	•	••	••	0
Copper sulphate	•	•	•	••	••	0
Diet oil	••	••	••	••	••	•
Diet fat	••	••	••	••	••	0
Diluted acetic acid	0	0	0	•	••	0
Distilled water	••	••	••	••	••	0
Ethyl acetate	0	0	0	•	•	0
Ethyl alcohol	0	•	•	••	••	0
Ethyl chloride	•	••	••	••	••	0
Flax oil	•	•	•	••	••	•
Formaldehyde	0	•	•	••	••	0
Formic acid	0	0	0	0	0	0
Freon 12	0	0	0	••	••	0
Fresh water	••	••	••	••	••	0
Fruit juice	•	•	•	••	••	0
Gasoline	•	•	•	••	••	•
Glycerine	•	•	•	••	••	0
Hydrochloric acid	0	0	0	0	0	0
Hydrofluoric acid	0	0	0	0	0	0
Hydrogen peroxide	0	•	•	••	••	0
Iodine	0	0	0	0	0	0
Iron chloride	0	0	0	•	•	0
Lactic acid	0	0	0	••	••	0
Magnesium chloride	0	0	0	•	•	0
Mercury	0	•	•	•	•	0
Methyl alcohol	0	•	•	•	••	0
Methylene chloride	0	0	•	•	•	0
Milk	••	••	••	••	••	•
Nitric acid	•	•	•	••	••	0
Oil	••	••	••	••	••	••
Oil ether	0	•	•	••	••	0
Oleic acid	•	•	•	•	•	0
Paraffin	••	••	••	••	••	••
Phenol	0	0	0	••	••	0
Phosphoric acid	•	•	•	••	••	0
Potassium hydroxine	0	0	0	•	••	0
Sea water	0	0	•	••	••	0
Silver nitrate	0	0	0	•	•	0
Soapy water	••	••	••	••	••	0
Sodium carbonate	•	•	•	••	••	0
Sodium chloride	0	0	0	•	•	0
Sodium hydroxine	0	0	0	•	•	0
Sodium hypochlorite	0	0	0	0	0	0
Sodium silicate	0	0	0	••	••	0
Sodium sulphate	•	•	•	••	••	0
Soft drinks	••	••	••	••	••	0
Sulfuric acid	0	0	0	0	•	0
Tartaric acid	0	•	•	•	•	0
Trichlorethylene	•	•	•	••	••	•
Turpentine	••	••	••	••	••	0
Vegetable juice	•	•	•	••	••	0
Vegetable oil	••	••	••	••	••	••
Vinegar	0	0	•	••	••	0
Whiskey	•	•	•	••	••	0
Wine	•	•	•	••	••	0
Xilol	••	••	••	••	••	•
Zinc chloride	0	0	0	•	•	0

The indicated data are approximate as the corrosion resistance of the above-mentioned steel, according to the conditions of use, is related to the work temperature, the concentration of the chemical agent, the duration of the contact with it, etc.

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Magris s.r.l. - P.O. Box 71 - Via Vanizza, 10 (z.i. Sarano) - 31025 S. Lucia di Piave (TV) Italy
Tel. +39 0438 460226 - Fax +39 0438 701843 - E-mail: magris@magris.com - www.magris.com