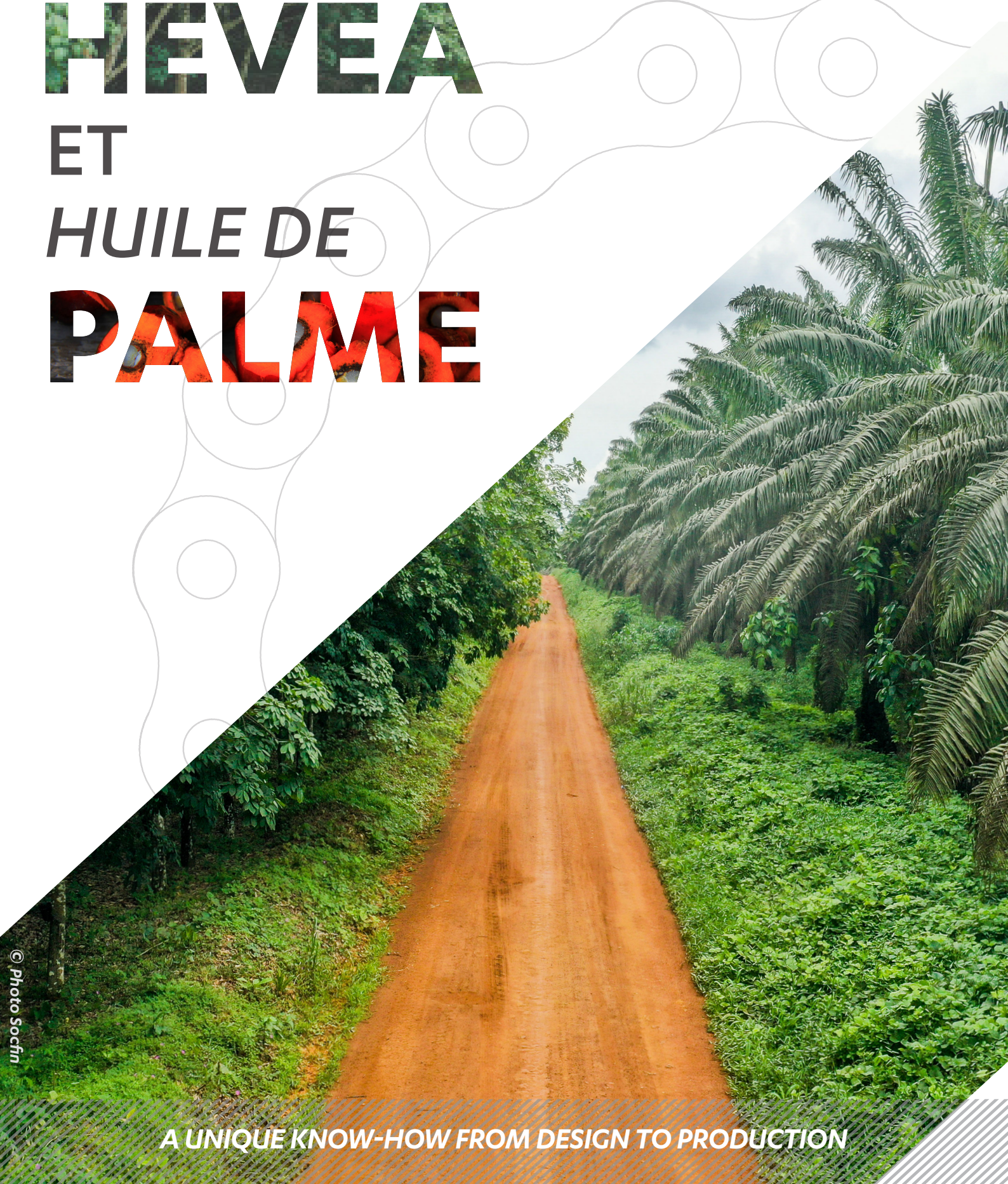
sedis
we make you stronger

HÉVÉA
ET
HUILE DE
PALME



© Photo Socfin

A UNIQUE KNOW-HOW FROM DESIGN TO PRODUCTION

OUR EXPERTISE

ALPHA Premium range

A HIGH QUALITY CHAIN WITH PROVEN RESULTS

Our Alpha Premium chains are recognized for their performances that reflect SEDIS' 100 years of expertise and innovation, to offer an optimum ease of use:

- **Increase of load breaking** : resistance to traction **superior to 20% on average compared to standards**.

- **Wax-lubricated chains** * : the wax provides enhanced protection against wear and corrosion. By liquefying during use, it reduces friction thanks to better penetration into the articulations.

THE BENEFITS

- Reliability of the chain
- Long service life
- Reduction of breaking risks

DID YOU KNOW?

The ALPHA Premium range is fully customizable with the addition of attachments, extended pins, or accessories, to meet your transmission or conveyor chain requirements.

** wax lubrication for pitches from 9.525 mm to 25.4mm; above that: oil lubrication*

ALPHA Premium BS INOX range

A HIGH RESISTANCE STAINLESS STEEL

From palm oil production to rubber tree exploitation, processing and packaging, the agro-industrial sector is increasingly subject to stringent requirements in terms of traceability and hygiene. SEDIS, always attentive to its customers' needs, has developed the **Alpha Premium BS INOX** range, which is particularly well suited to these hygiene requirements and offers unrivalled productivity gains:

- **MAINTENANCE REDUCTION TO ENHANCE YOUR PRODUCTIVITY:** the chain has high resistance, offering extended service life thanks to its innovative technology: INOX 304 **high hardness treatment,** solid bushes and extruded rollers.

- **PRE-LUBRICATION DESIGNED FOR FOOD CONTACT:** chains are pre-lubricated with **H1 food wax** up to a pitch of 25.4mm (*beyond that, on request*) **:** direct or accidental contact with food products is therefore **safe** (operating temperature from -30° to 140°C : *full specifications available on request*)
Dry to the touch: no splashing, no dripping and no cross-contamination.

- **HIGH BREAKING STRENGTH** : improved **by up to 33%** compared to our previous stainless steel range, tensile strength is **up to 20% higher** than our European competitors.

THE BENEFITS

- Increased breaking loads
- Long service life
- Unrivalled tensile strength
- Extended articulation protection

> *"Now a SEDIS bestseller, the Alpha Premium BS INOX chain is always upgraded for even more performance and longer service life."*

MADE IN FRANCE • FABRIQUÉ EN FRANCE •

THE MOST
RESISTANTE
STANDARD STAINLESS STEEL CHAIN
on the market

SPECIFIC SOLUTIONS

DELTA® HR range
THE ANTI-WEAR SOLUTION

In certain applications, chains are subjected to particularly harsh conditions, characterised by high abrasion and repeated friction, while maintaining a high level of performance with minimal maintenance.

Designed to meet these challenges, the DELTA® HR range incorporates thermochemical treatment and technical innovations, offering remarkable robustness and proven durability, even in the most demanding environments.

- **Unequalled hardness of the treated pins** thanks to DELTA® developed by SEDIS, allowing to reach hardness of 1800HV : Remarkable resistance to abrasion and oxidation.

- **Delta® pins with a low coefficient of friction,** lower than conventional case-hardened articulations : significant reduction in the risk of seizure.

- **New-generation wax lubrication that liquefies in operation :** reduces internal friction and postpones the first relubrication interval compared with standard lubrication.

- **Preformed bi-conic bushings**, designed to increase the pin/bush contact area

THE BENEFITS

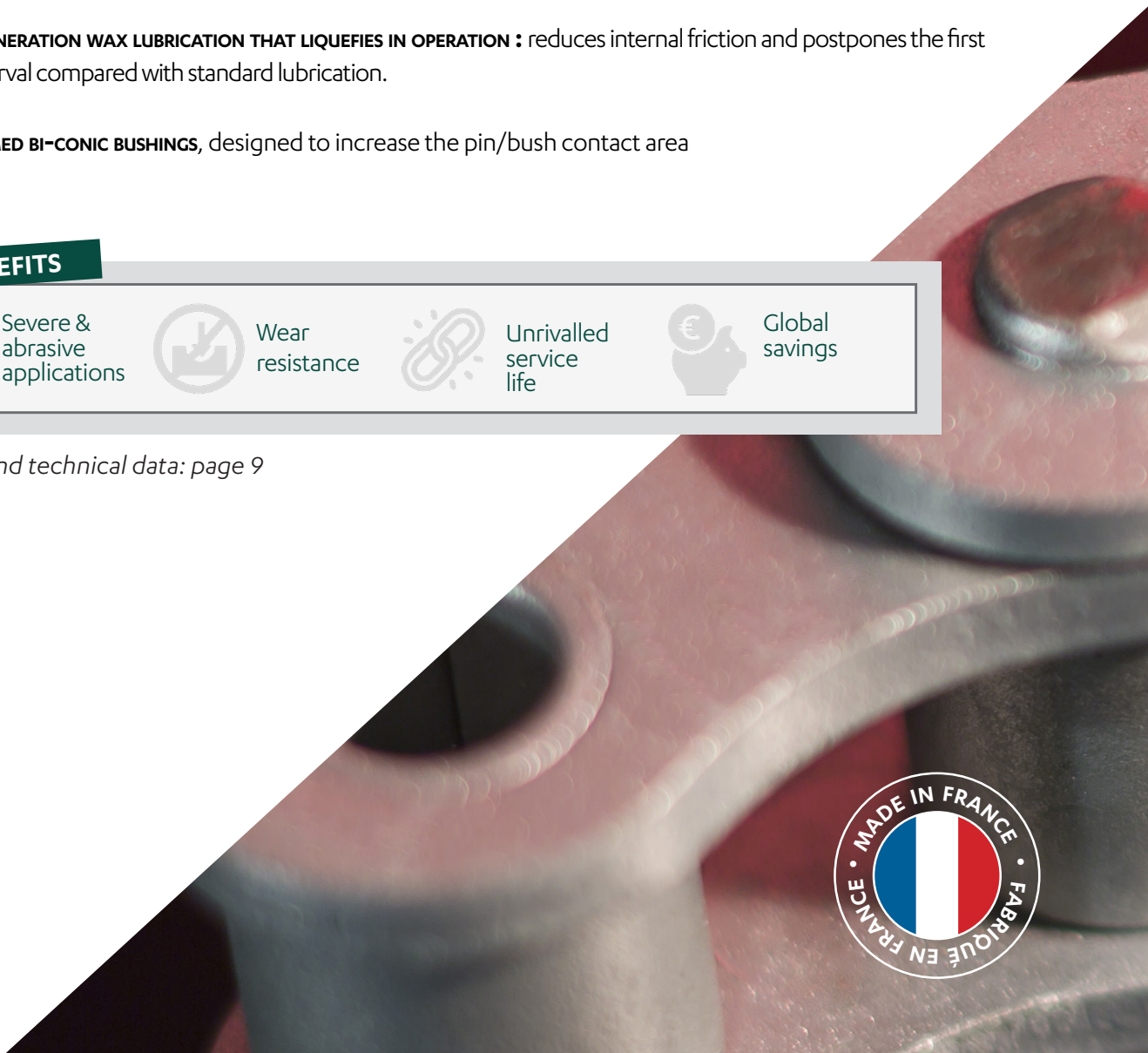
Severe & abrasive applications

Wear resistance

Unrivalled service life

Global savings

Dimensions and technical data: page 9



DELTA® TITANIUM 2 range
THE ANTI-CORROSION SOLUTION

Some applications require higher breaking loads than those of stainless steel, while benefiting from anti-corrosion properties and increased wear resistance to ensure optimal service life.

Particularly in the palm oil production and rubber tree exploitation sectors, the **DELTA® Titanium 2** range stands out for its ability to meet these stringent requirements, offering significant productivity gains.

- **Reduced maintenance for increased productivity:**

The chain combines the **breaking strength** of treated steel and the **increased wear resistance** of **DELTA® pins** with **high corrosion protection**, achieved through the coating applied to the other components. This gives it an extended service life, particularly in corrosive and abrasive environments.

- **All types of adaptations** and **lubricant options** are available to meet the requirements of your application (high or low temperature, food contact, etc. *see next page*)

THE BENEFITS

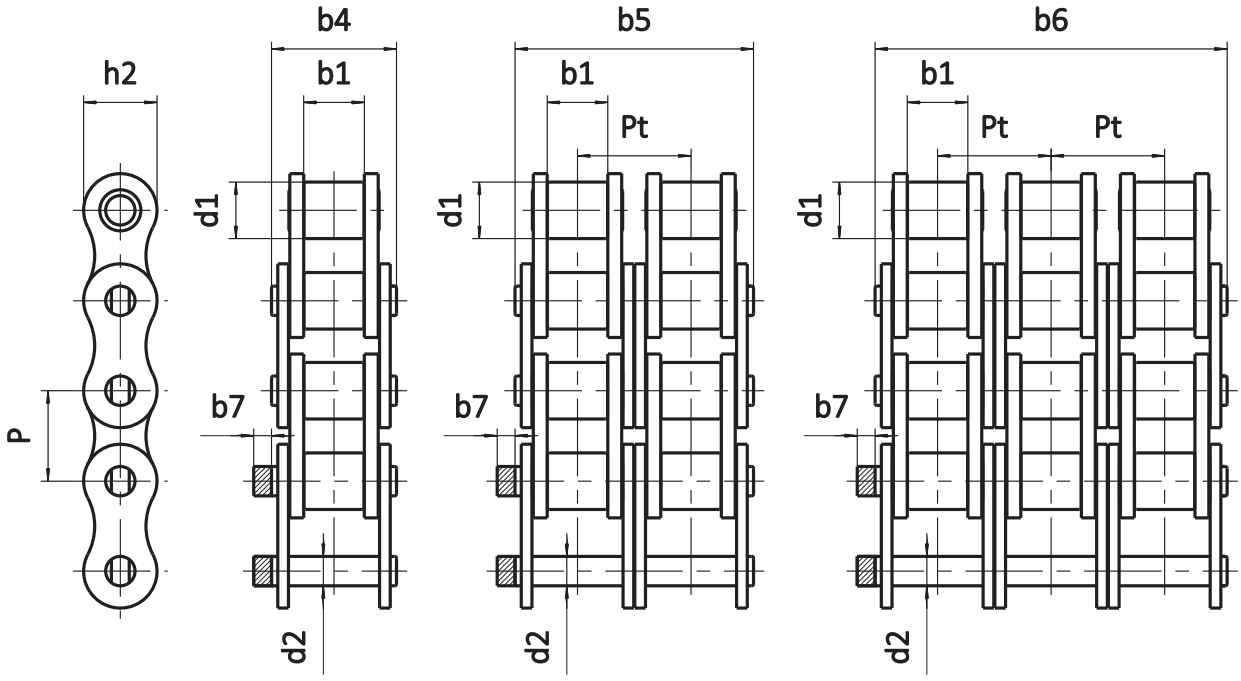
- High resistance to corrosion
- Unrivalled service life
- Higher tensile strength than stainless steel
- Unmatched wear resistance

Dimensions and technical data: page 9

To read drawings and understand the corresponding dimensions, refer to the following measurements:

- Pitch: P
- Inner width: b1
- Articulation Ø: d4, d7, d1 or d1/d5
- Pin Ø: d2
- Plate height: h2
- Outer plate thickness: e1
- Inner plate thickness: e2

BS TRANSMISSION CHAINS
ISO 606

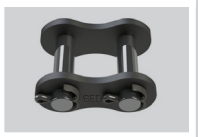


CONNECTING LINKS

N° 205
external link to be riveted

N° 206
connecting link with spring clip

N° 208
cottered connecting link



N° 209
connecting link with self locking nuts

CRANKED LINKS

N° 216
single cranked cottered link

N° 217
single cranked link with self locking nuts

N° 221
double cranked link

SEDIS TRANSMISSION RANGES

Made in France

ALPHA *Premium*
high quality standard

ALPHA *Premium* BS **INOX**
High resistance stainless steel

DELTA® HR
anti-wear solution

DELTA® Titanium 2
anticorrosion

Chaînes Vertes
maintenance free

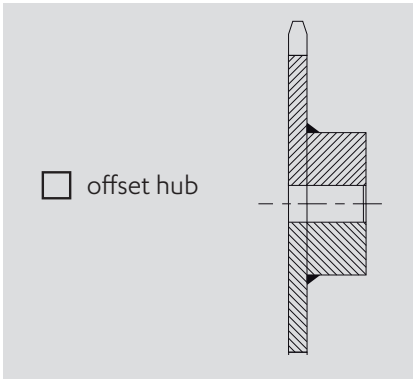
REFERENCES		RANGES						DIMENSIONS (mm)								TENSILE STRENGTH (kN)					
ISO	SEDIS	ALPHA *Premium*	ALPHA *Premium* **INOX**	DELTA® HR	DELTA® TITANIUM 2	LUBE FREE VERTE	DELTA® VERTE®	Pitch P	d1 max.	b1 min.	b4 b5 b6 max.	d2 max.	h2 max.	b7 max.	Pt	ISO 606 Norm min.	ALPHA *Premium* min.	ALPHA *Premium* **INOX** min.	DELTA® HR / TITANIUM 2 min.	LUBE FREE VERTE min.	DELTA® VERTE® min.
SIMPLEX																					
06B-1	**3N**	x	x	x	x			9,525	6,35	5,77	13,50	3,27	8,23	2,1	.	8,9	8,9	6,3	9,0	.	.
08B-1	**7N**	x	x	x	x	x	x	12,7	8,51	7,75	16,60	4,45	11,80	1,5	.	17,8	18,2	14	18,2	18,2	16,6
10B-1	**11N**	x	x	x	x	x		15,875	10,16	9,65	19,00	5,08	13,70	1,5	.	22,2	23	17,6	23	23	18,6
12B-1	**13N**	x	x	x	x	x	x	19,05	12,07	11,68	22,30	5,72	16,20	1,5	.	28,9	30,5	21	30,5	30,5	30,5
16B-1	**15T**	x	x	x	x	x	x	25,4	15,88	17,02	35,10	8,28	20,80	3,0	.	60	66	43	75	66	66
20B-1	**17T**	x		x	x		x*	31,75	19,05	19,56	40,50	10,19	25,40	6,1	.	95	105	46	110	.	99
24B-1	**18T**	x		x	x		x*	38,1	25,40	25,40	53,10	14,63	32,30	6,6	.	160	180	81	180	.	160
28B-1	**20T**	x		x	x		x*	44,45	27,94	30,95	65,10	15,90	37,00	7,4	.	200	235	.	235	.	180
32B-1	**22T**	x		x	x		x	50,8	29,21	30,99	63,60	17,81	42,30	7,9	.	250	270	.	300	.	250
40B-1	**23T**	x		x	x		x	63,5	39,37	38,10	79,00	22,89	52,80	12,0	.	355	365	.	365	.	365
48B-1	**24T**	x		x	x			76,2	48,26	47,70	98,60	29,22	64,20	23,7	.	560	600	.	600	.	.
DUPLEX																					
06B-2	**203N**	x	x					9,525	6,35	5,77	23,80	3,28	8,23	2,1	10,24	16,9	16,9	9,8	17,6	.	.
08B-2	**207N**	x	x	x	x	x	x	12,7	8,51	7,75	30,60	4,45	11,80	1,5	13,92	31,1	36,4	28	36,4	36,4	33,2
10B-2	**211N**	x	x	x	x	x	x	15,875	10,16	9,65	35,75	5,08	13,70	1,5	16,59	44,5	46	35,2	46	46	37,2
12B-2	**213N**	x	x	x	x	x	x	19,05	12,07	11,68	41,80	5,72	16,20	1,5	19,46	57,8	61	42	61	61	61
16B-2	**215T**	x	x	x	x	x	x	25,4	15,88	17,02	68,00	8,28	20,80	3,0	31,88	106	132	86	150	132	132
20B-2	**217T**	x		x	x		x*	31,75	19,05	19,56	77,00	10,19	25,40	6,1	36,45	170	210	92	220	.	198
24B-2	**218T**	x		x	x		x*	38,1	25,40	25,40	101,80	14,63	32,30	6,6	48,36	280	360	162	360	.	320
28B-2	**220T**	x		x	x		x*	44,45	27,94	30,95	124,70	15,90	37,00	7,4	59,56	360	470	.	470	.	360
32B-2	**222T**	x		x	x		x	50,8	29,21	30,99	122,80	17,81	42,30	7,9	58,55	450	540	.	600	.	500
40B-2	**223T**	x		x	x		x	63,5	39,37	38,10	152,00	22,89	52,80	12,0	72,29	630	730	.	730	.	730
48B-2	**224T**	x		x	x			76,2	48,26	47,70	190,40	29,22	64,20	23,7	91,21	1 000	1 200	.	1 200	.	.
TRIPLEX																					
06B-3	**303N**	x						9,525	6,35	5,77	34,00	3,28	8,23	2,1	10,24	24,9	24,9	.	26,4	.	.
08B-3	**307N**	x	x	x	x	x	x	12,7	8,51	7,75	44,60	4,45	11,80	1,5	13,92	44,5	54,6	42	54,6	54,6	49,8
10B-3	**311N**	x	x	x	x	x	x	15,875	10,16	9,65	52,30	5,08	13,70	1,5	16,59	66,7	69	52,8	69	69	55,8
12B-3	**313N**	x	x	x	x	x	x	19,05	12,07	11,68	61,40	5,72	16,20	1,5	19,46	86,7	91,5	63	91,5	91,5	91,5
16B-3	**315T**	x	x	x	x	x	x	25,4	15,88	17,02	99,90	8,28	20,80	3,0	31,88	160	198	129	225	198	198
20B-3	**317T**	x		x	x		x*	31,75	19,05	19,56	113,50	10,19	25,40	6,1	36,45	250	315	138	330	.	297
24B-3	**318T**	x		x	x		x*	38,1	25,40	25,40	150,20	14,63	32,30	6,6	48,36	425	540	243	540	.	480
28B-3	**320T**	x		x	x		x*	44,45	27,94	30,95	184,60	15,90	37,00	7,4	59,56	530	705	.	705	.	540
32B-3	**322T**	x		x	x		x	50,8	29,21	30,99	181,70	17,81	42,30	7,9	58,55	670	810	.	900	.	750
40B-3	**323T**	x		x	x		x	63,5	39,37	38,10	224,60	22,89	52,80	12,0	72,29	950	1 095	.	1 095	.	1 095
48B-3	**324T**	x		x	x			76,2	48,26	47,70	281,60	29,22	64,20	23,7	91,21	1 500	1 800	.	1 800	.	.

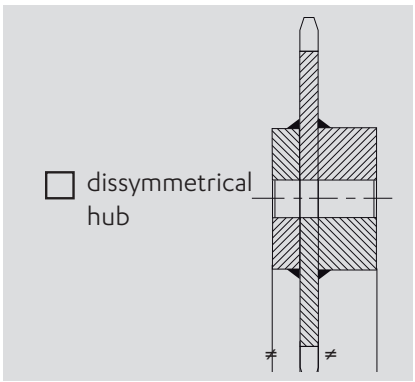
* The pin diameter and the bearing surface are different. Please contact us for further information
For Chaînes Vertes (Lub free et Delta® Verte®) the use of sprockets with treated teeth is recommended.

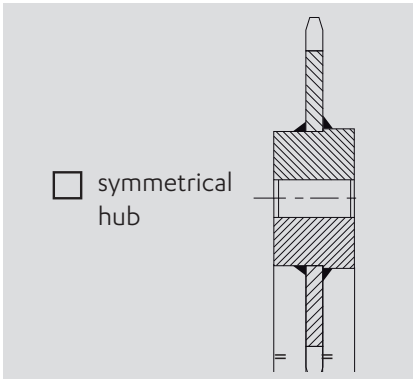
ASA standard chains also available
Please consult our catalogue

CONVEYOR CHAIN WHEEL

1- DEFINE THE HUB TYPE



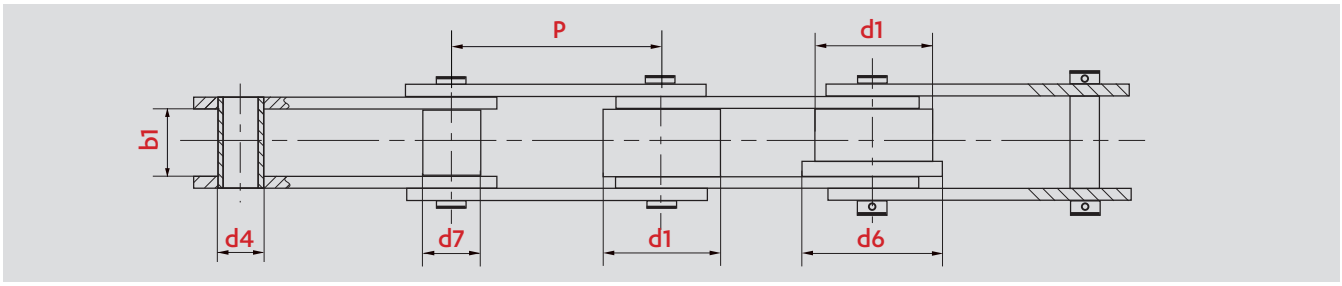




2 - MEASURE THE DIMENSIONS OF THE CORRESPONDING CHAIN

PROVIDE THE EXACT REFERENCE OF THE CONVEYOR CHAIN OR ALL OF THE FOLLOWING DIMENSIONS:

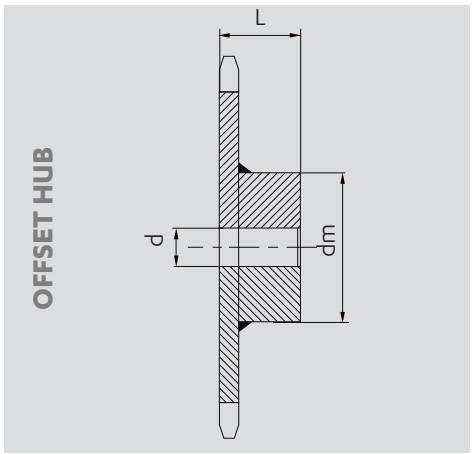
- Chain pitch (P)
- Inner width between inner plates (b1)
- Type and articulation diameter: bush (d4) or roller (d7) or plain roller (d1) or flanged roller (d1 and d6)

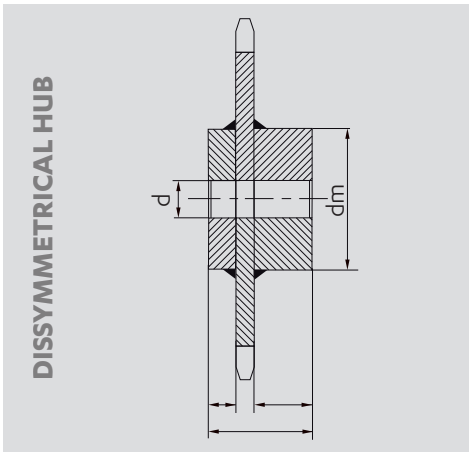


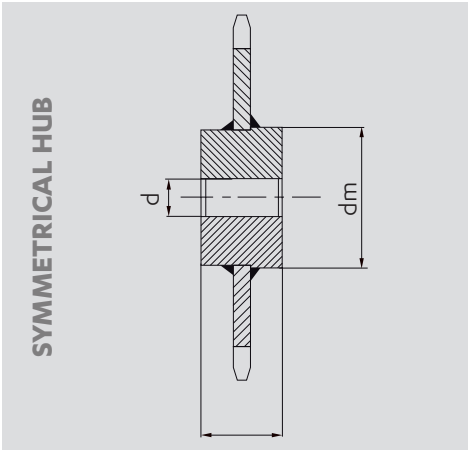
3 - MEASURE THE DIMENSIONS OF THE WHEEL

PROVIDE ALL THE FOLLOWING INFORMATION:

- Number of teeth
- Hub diameter (d)
- Bore diameter (dm)
- Hub width (L for symmetrical and offset hubs; L /L1 /L2 for asymmetrical hubs)







sedis
HÉVÉA ET HUILE DE PALME

SECTOR SPROCKETS

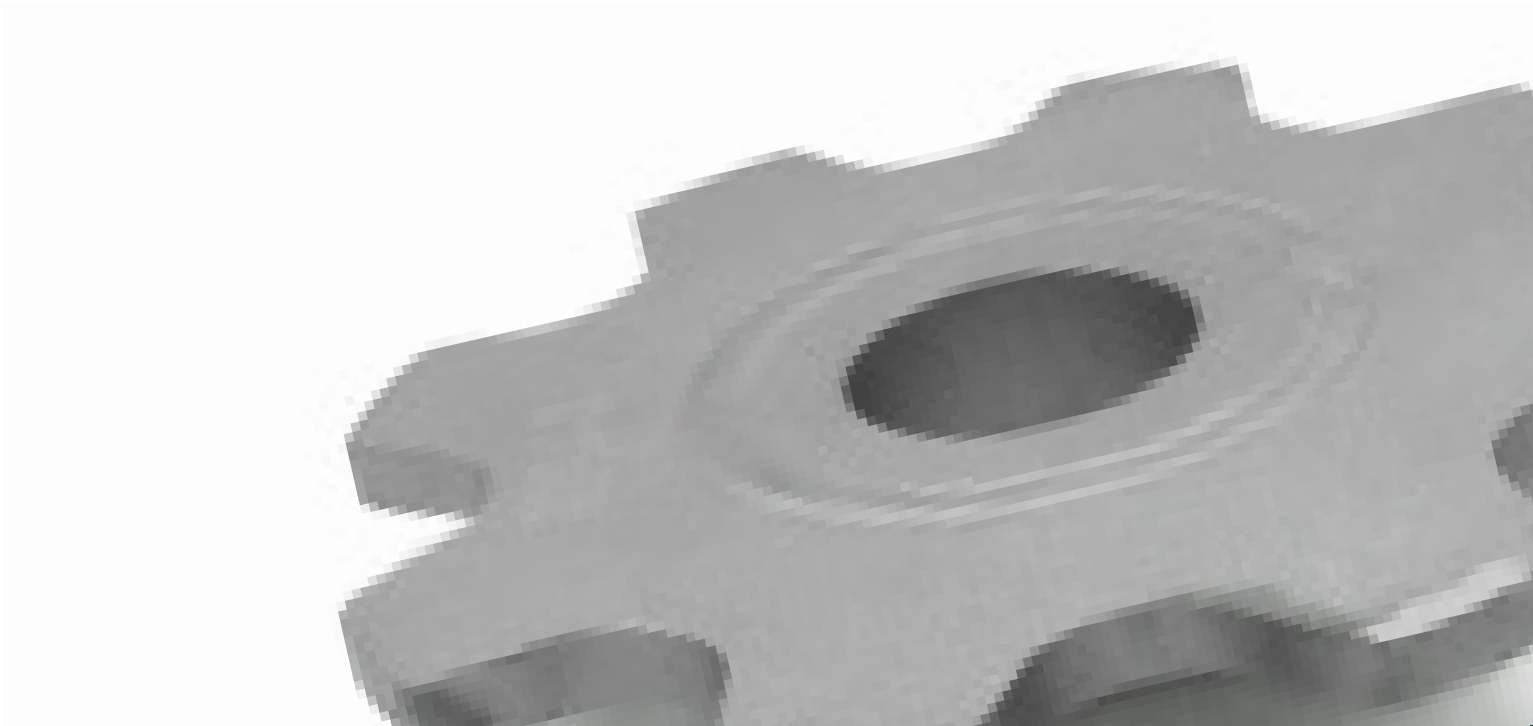
A wide range is possible: sector sprockets, case-hardened teeth... in steel or stainless steel.
Contact us

ADVANTAGES OF SECTOR SPROCKETS

■ **1 -** The installation of sector sprockets **reduces your intervention time** for sprocket replacement and your **maintenance costs.** The hub remains permanently mounted on the shaft.

■ **2 -** The **tooth profile regrinding** that you usually carry out can be performed in the workshop **under better and easier conditions.**

■ **3 -** The sectors **can be used twice without regrinding** by reversing the sides, thus providing a new working surface.
Note: This operation is only possible for opposite mounting configurations. In this case, you lose the reference face for regrinding.



LEAF CHAINS AND ACCESSORIES

LEAF CHAINS

Series AL : American
Series J or LL : European - ISO 4347
Series LH or BL : American - ISO 4347

SIGNS OF WEAR ON A LEAF CHAIN

- The chain makes noise and 'clacks' when the mast moves: this indicates the pins are seizing.
- The chain is looser on one side than the other: the tension needs to be adjusted to balance it.
- There is rust on the chain.
- The forks touch or drag on the ground.
- The chain has elongated by more than 2%.

VERIFY ELONGATION

Manufacturers of lifting equipment recommend replacing chains when they elongate by more than 2% to ensure safety and avoid any risk of failure. Following this rule protects the durability of the machines and the safety of people and property.

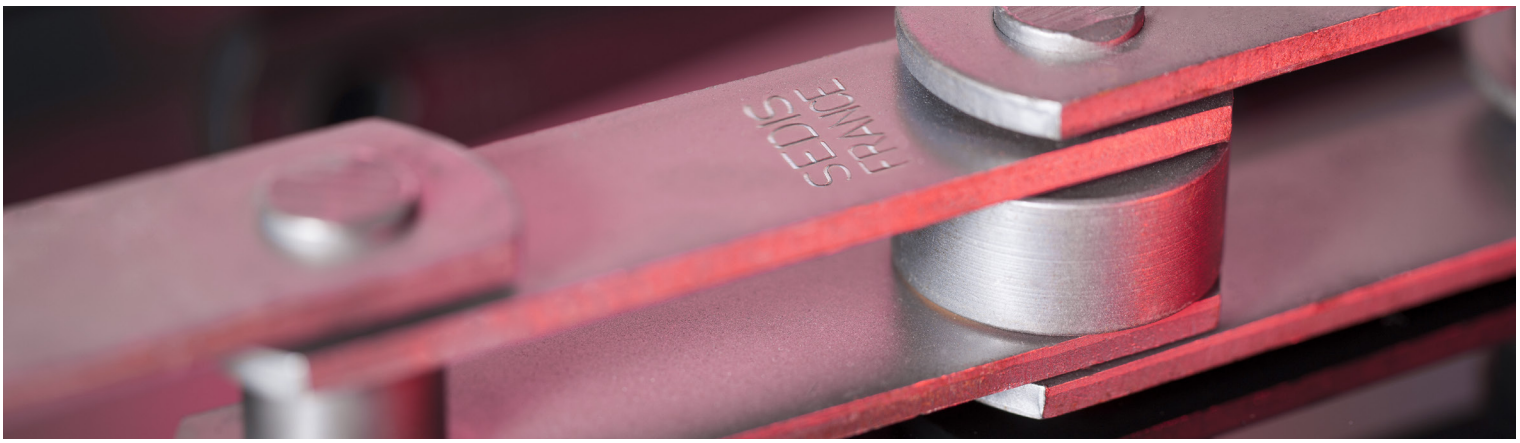
To determine whether the chain has 2% or more elongation, simply use the SEDIS wear gauge.

- **Less than 2%**: Your chain is in good condition and does not need to be replaced.

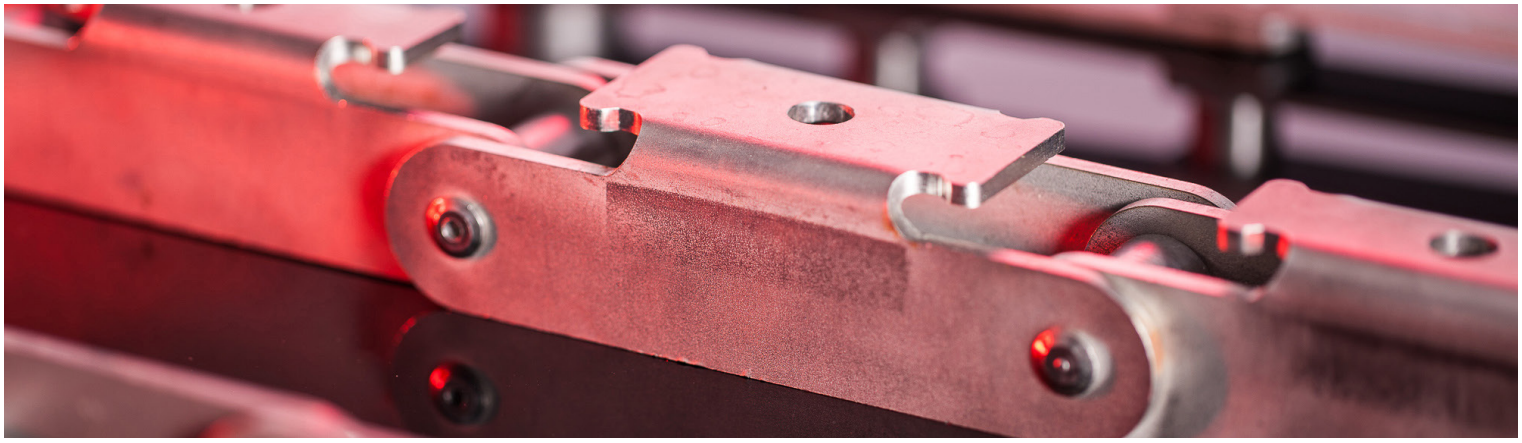
- **At 2% : Warning signal**
  During the Periodic General Inspection, note that the chain must be replaced. Arrange for its replacement with your maintenance technician.

- **Above 3% : Critical limit**
  Replacing the chain is essential to ensure safe operation. If your forklift is fitted with a cab, the threshold is 2%.

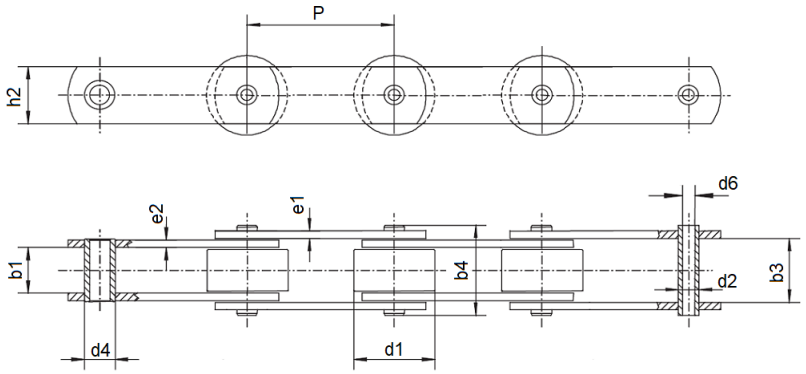
Watch the video tutorial on how to use the Sedis wear gauge


SEDIS
FRANCE


SEDIS
FRANCE

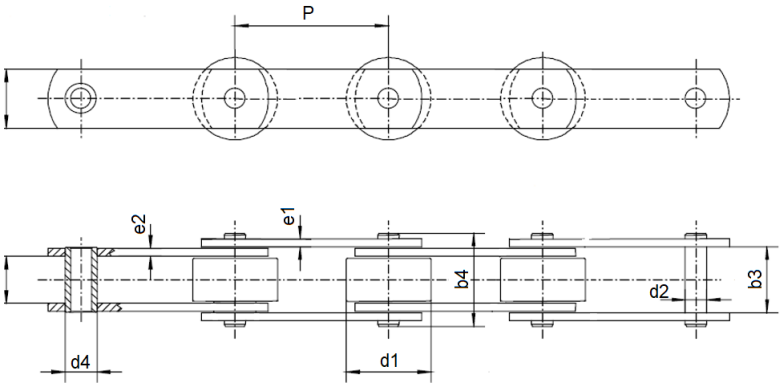


HOLLOW PINS CHAINS WITH PLAIN ROLLERS



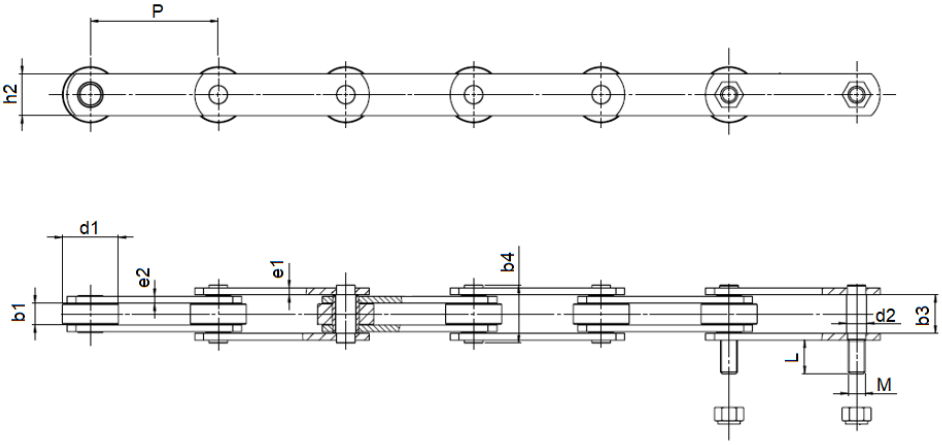
DIMENSIONS (mm)								
Pitch	Pin diameter	Hollow pins	Roller diameter	Height plates	Thickness of outer plates	Thickness of inner plates	Inner width	Breaking load
P	d2	d6	d1	h2	e1	e2	b1	(kN)
50,8	14	10,2	31,8	25	4	4	15	40
101,6	19	13,2	47,6	40	5	5	19	110
101,6	26,9	20,2	66,7	50	5	7	26	190
152,4	19	13,2	47,5	40	4	5	19	120
152,4	26,9	20,1	66,7	50	6	6	25,4	220
152,4	31,75	23,11	88,9	60	8	10	38,1	300

STANDARD CHAINS WITH PLAIN ROLLERS



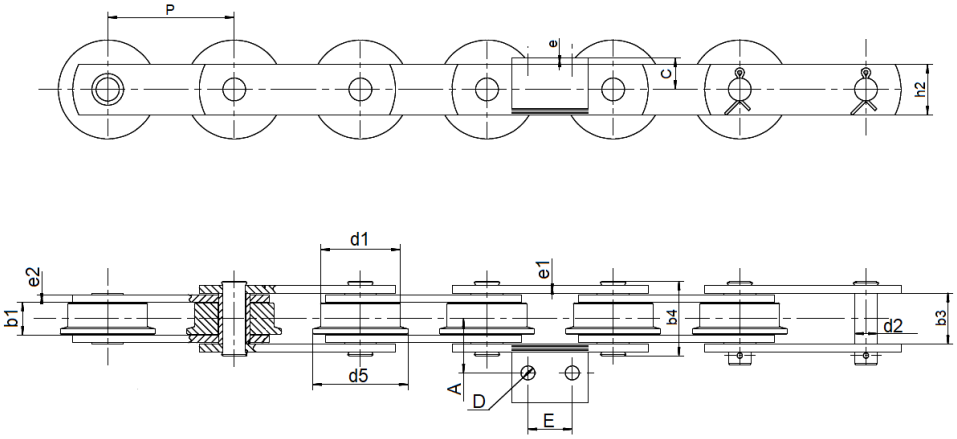
DIMENSIONS (mm)							
Pitch	Pin diameter	Roller diameter	Height plates	Thickness of outer plates	Thickness of inner plates	Inner width	Breaking load
P	d2	d1	h2	e1	e2	b1	(kN)
76,2	13,97	31,75	25	4	4	25,4	70
101,6	14	31,75	25	4	4	15	70
101,6	19	47,6	40	4	5	19	125
101,6	11,43	44,45	30	6	6	26,924	150
101,6	14,5	50,8	40	6	6	30	145
101,6	22	66,7	50	6	6	25,4	265
127	14	31,75	25	4	4	15	70
152,4	14	31,75	25	4	4	15	70
152,4	19	47,6	40	5	5	19	130
152,4	14,5	50,8	40	6	6	30	145
152,4	26,9	66,7	50	5	7	25,4	265
152,4	31,75	88,9	60	8	10	38,1	220

STANDARD PLAIN ROLLERS CHAINS WITH 2 FOLLOWING THREAD EXTENDED PINS



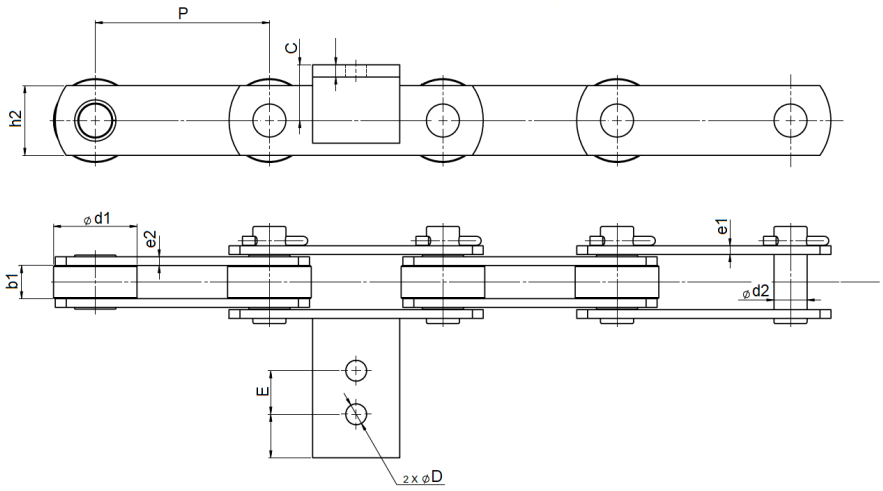
DIMENSIONS (mm)									
Pitch	Pin diameter	Roller diameter	**Height plates**	**Thickness of outer plates**	**Thickness of inner plates**	**Inner width**	Thread extended pin	Length extended pin	Breaking load
P	d2	d1	h2	e1	e2	b1	M	L	(kN)
101,6	19,05	47,752	40	5	5	19,05	M16	36,068	170
101,6	19,05	47,498	40	6	6	19,05	M16	37,338	200
101,6	19	47,6	40	4	5	19	M16	40	125
101,6	19,05	47,625	40	4	4	19,05	M18	37,084	130
101,6	26,8986	66,675	50	6	6	25,4	M20	39,878	270
152,4	19,05	47,625	40	4	4	19,05	M18	37,084	130
152,4	19,05	47,752	40	6	6	19,05	M18	37,338	180
152,4	26,8986	66,675	50	6	6	25,4	M20	39,878	270
152,4	26,9	66,7	50	5	7	25,4	M20	50	200
152,4		66,7	50	8	10	25,4	M24	45	340
152,4	22,098	66,802	50	6	6	25,4	M20	40,894	310
152,4	19,05	69,85	50	8	8	38,1	M18	38,862	355
152,4		69,9	50	10	10	37,1	M18	50	390
152,4	31,75	88,9	60	8	8	38,1	M30	50,038	515
160	17,526	69,85	50	6	6	38,1	M16	36,068	420

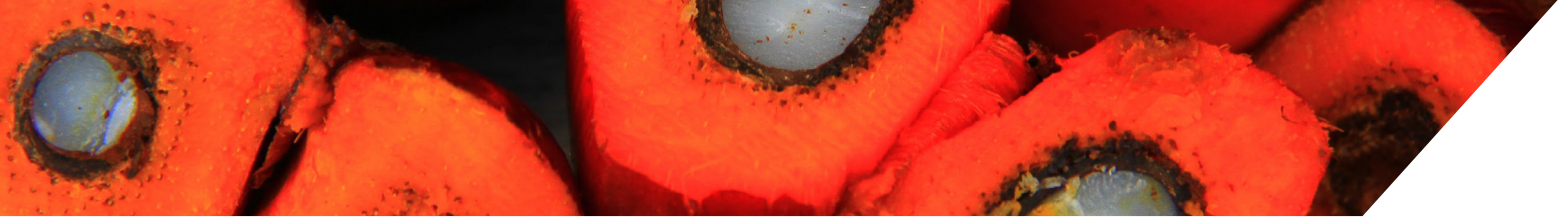
FLANGED ROLLERS CHAINS WITH K2 ATTACHMENT



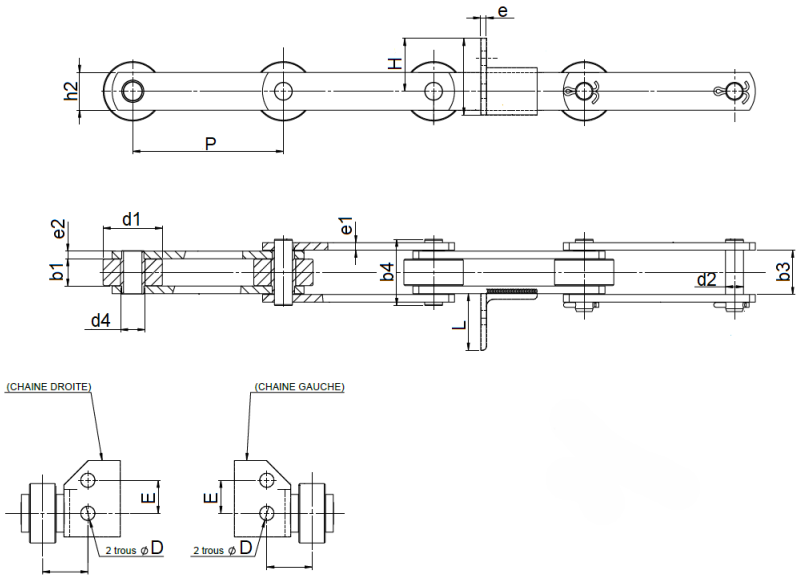
Dimensions (mm)											
Pitch	Width between outer plates	**Height plates**	**Thickness of outer plates**	**Thickness of inner plates**	Pin diameter	Plain roller diameter	Flanged roller diameter	D	E	A	C
P	b1	h2	e1	e2	d2	d1	d5				
100	28	40	5	5	17,78	70	85	12	35	44,45	24,1
100	27	35	5	5	14,6	63	75	12	35	44,65	24,1
100	26	40	6	7	19	63	75	11	36	45	25
100	25	40	6	6	18	63	75	11	35	43	25

CHAIN WITH SYMMETRICAL K2 ATTACHMENTS



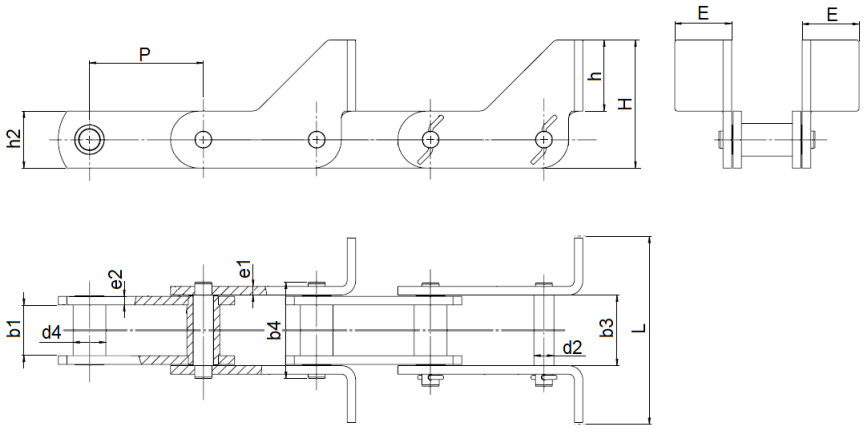


PLAIN ROLLERS CHAINS WITH TYPE F2 ATTACHMENT



Pitch	Inner width	Height plates	Thickness of inner plates	Thickness of outer plates	Pin diameter	Roller diameter	D	E	A
P	b1	h2	e1	e2	d2	d1			
100	28	35	5	5	12	48	14	35	49
100	28	35	5	5	12	48	14	35	49

BOILER CHAINS



Pitch	Inner width	Height plates	Roller diameter	H	L	E
P	b1	h2	d4			
80	35	40	23	90	132	40
80	35	40	23	90	117	35
80	36	40	23	80	150	50

PLAIN ROLLERS CHAINS WITH K2 ATTACHMENT EVERY PITCH BOTH SIDES

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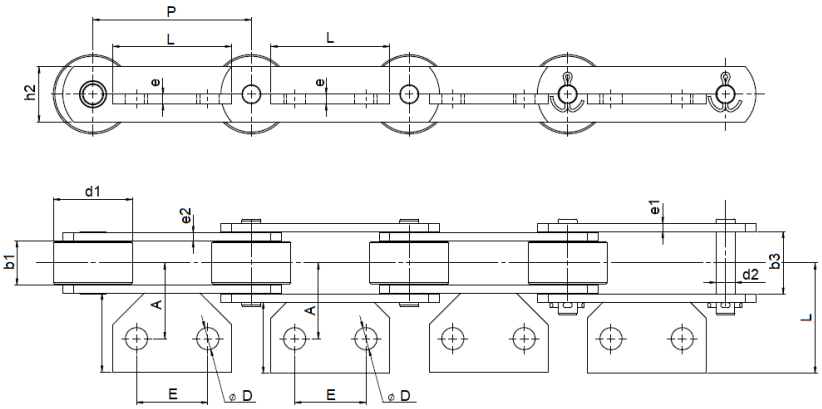
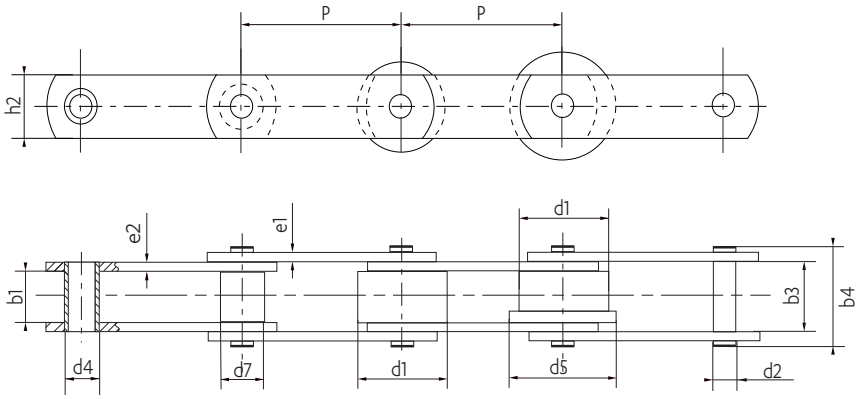
HÉVÉA ET HUILE DE PALME



Pitch	Inner width	Height plates	Thickness of plates	Thickness of plates	Pin diameter	Roller diameter	D	E	A	C
P	b1	h2	e1	e2	d2	d1				
100	28	35	5	5	12	50	14	45	48	35
100	28	35	5	5	12	50	14	45	48	0
100	19	40	5	5	19	48	12	32	42,5	32
100	19	50	5	5	22,15	70	12	32	42,5	32

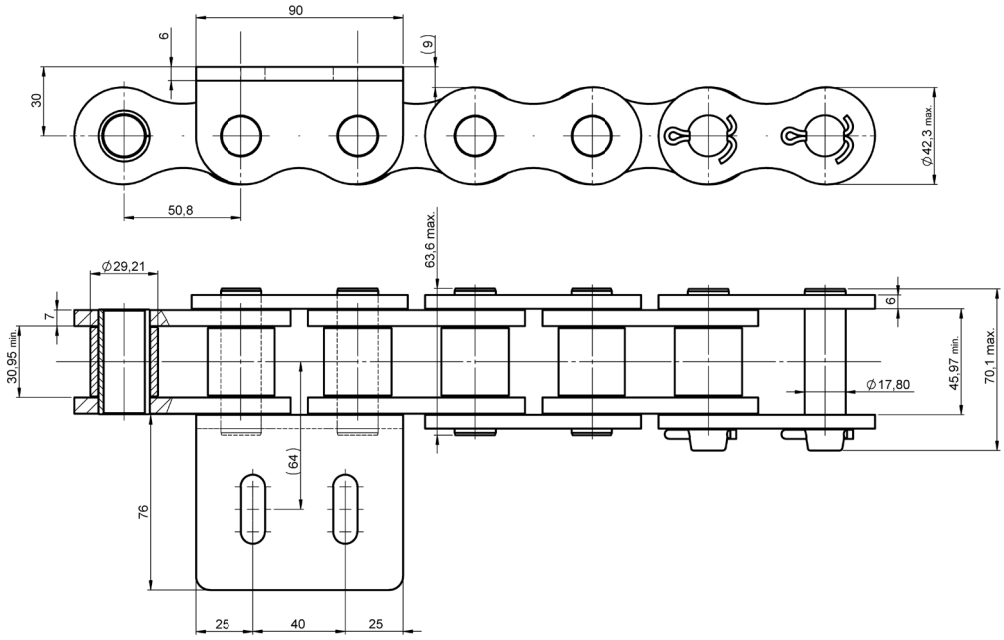
STANDARD CHAINS FOLLOWING ISO 1977



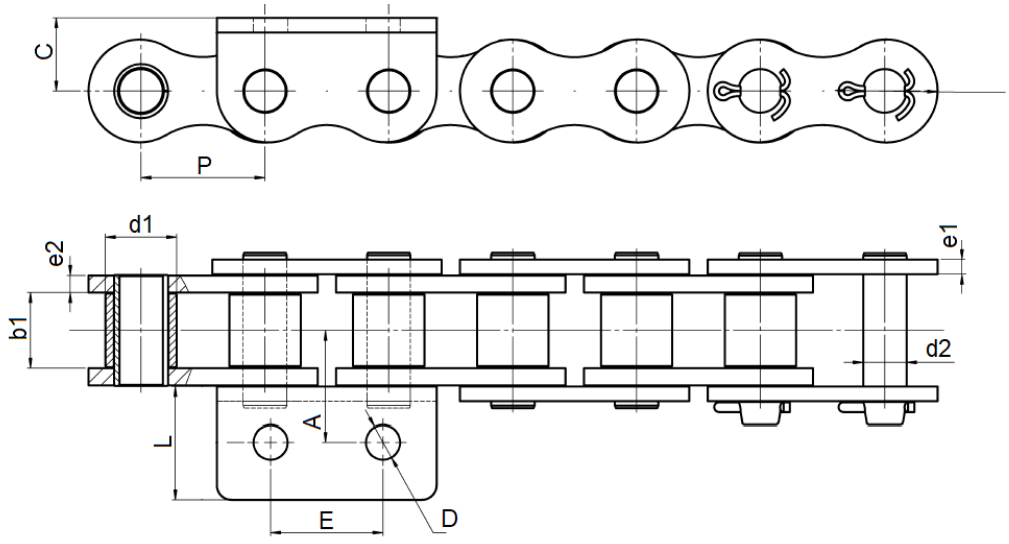
Chain	Pitch (intermediate pitch on demand)													Plates			d2	Articulations				Width			Breaking load
	40	50	63	80	100	125	160	200	250	315	400	500	630	Height h2	Thickness e1	Thickness e2		Bush d4	Roller d7	Wheel d1	Flanned wheel d5	between inner plates b1	between outer plates b3	on riveted pins b4	Rr min.
M20	◊													17	2,5	2,5	6	9	12,5	25	32	15,5	22,5	30,6	20
M56			◊											30	4	4	10	15	21	42	50	23,2	33,6	47,4	65
M80														35	5	5	12	18	25	50	60	28	39,6	55,4	100
M112				◊										40	5	6	15	21	30	60	70	31	45,7	62	130
M160					◊									50	6	7	18	25	36	70	85	36	52,7	72	200
M224						◊								60	6	8	21	30	42	85	100	42	60,8	81,2	270
M315							◊							70	8	10	25	36	50	100	120	48	70,8	94,2	420
M450														80	10	12	30	42	60	120	140	55,5	82,9	112,5	570
M630														100	12	15	36	50	70	140	170	66	97	131,5	630

Feasible ◊ The chains with these pitches can only be made with bushes and small rollers.

ADAPTED TRANSMISSION WITH K ATTACHMENT WITH OBLONG HOLES

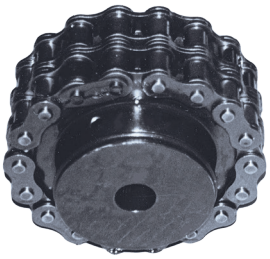


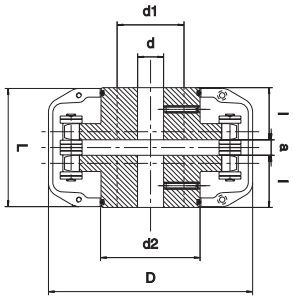
ADAPTED TRANSMISSION WITH STANDARD CIRCLE HOLES ATTACHMENT



Pitch	Inner width	Pin diameter	Roller diameter	Thickness of inner plates	Thickness of outer plates	D	E	A	C	L
P	b1	d2	d1	e1	e2					
50,8	30,95	17,8	29,21	6	7	14	46	45,5	30	46
50,8	30,95	17,8	29,21	6	7	12,5	50	64	39	61

CHAINS COUPLINGS





References		d	d1	d2	l	D	L	a	Maximum misalignment between shafts	Maximum angular shafts divergence	Mass (without case)
with case	without case								(mm)	(degrees)	(kg)
A203	A203SP	12	28	42	30	80	65	5,04	0,25	1°	0,82
A207	A207SP	12	34	56	28	97	63	6,82	0,25	0°50	1,65
A211	A211SP	14	48	70	30	117	68	7,69	0,25	0°50'	3,00
A213	A213SP	16	55	80	35	145	79	8,61	0,30	0°40'	4,60
A215	A215SP	20	65	100	45	190	106	15,98	0,30	0°40'	10,00
	A217SP	30	77	114	60	-	138	18,10	0,40	0°35'	20,00
	A218SP	40	97	148	70	-	165	24,46	0,40	0°30'	40,00
	A220SP	50	112	162	85	-	201	30,41	0,50	0°30'	65,00
	A222SP	50	127	185	90	360	210	29,40	0,50	0°30'	75,00
	A223SP*	60	150	220	120	450	277	36,34	0,60	0°30'	150,00
	A224SP*	80	170	280	150	-	348	48,01	0,60	0°30'	260,00

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6 rue Nicolas Siret, CS 90104, 10003 Troyes Cedex - France
Tel : +33 (0) 3 25 76 29 50 • Email : http://sedis.com/contact
WWW.SEDIS.COM

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