



KETTEN & ZUBEHÖR

DES 
Fördertechnik

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TABLE OF CONTENTS

DEUTSCH

Inhaltsverzeichnis	A
Gut zu wissen	F
Flyerketten	1
· Flyerketten ohne Einsätze aus Kunststoff – Technische Datenblätter	2
· Flyerketten ohne Einsätze aus Kunststoff	7
· Kettenhaspel	14
· Kettenbolzen – Technische Datenblätter	15
· Kettenbolzen	20
· Verbindungsglieder	25
· Endplatten	26
· Korrosionsbeständige Ketten für Gabelstapler	28
· Flyerketten mit Einsätzen aus Kunststoff	30
Ketten für die Hafentechnik	37
Rollenketten und Kettenräder	39
· Rollenketten – Technische Datenblätter	41
· Rollenketten	46
· Kleinteilige Hochleistungsrollenkett – Europäische Serie	48
– Amerikanische Norm	49
· Kettenräder – Technische Datenblätter	50
Kettenanker	57
· Kettenanker – Technische Datenblätter	59
· Kettenanker	64
Kettenlaufrollen	85
Wartung, Reparatur & Instandhaltung	87

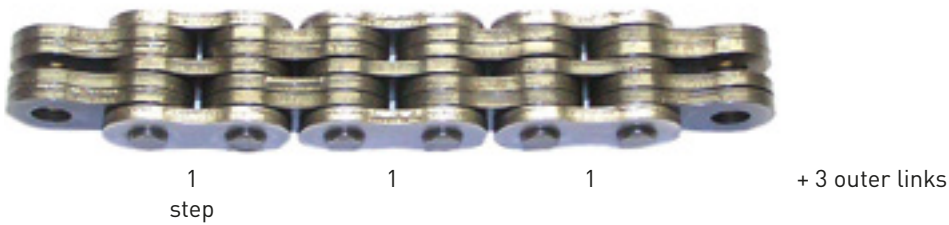
NICE TO KNOW

How to determine the correct chain length in the easiest way:

1. count the outer plates (marked in red)
2. multiply the # outer plates x 2
3. add 1
4. multiply this result by the pitch in mm
5. divide by 1000

This gives us the following formula: $((\# \text{ outer plates} \times 2) + 1) \times p / 1000$
The result is the chain length, expressed in meter.

Ending on inners:



Note: this formula can only be used for chains ending on the inner plates (marked in blue). If you have a chain ending on the outer plates, this has to be clearly specified in the request.

GENERAL INFO ABOUT LEAF CHAINS

General info about leaf chains

Leaf chains must be replaced once they display an elongation of maximum 3% (or 2% in the UK). This elongation can be measured by means of a wear gauge. The measurement is performed across the piece of chain that runs over the chain roller. This part of the chain is subjected to the most stress and is therefore the ideal measuring point.

In addition to wear, there are also other potential reasons to replace a lift chain:

- twisted or shifted chain pins
- cracked chain leaf due to corrosion or metal fatigue
- seized links
- damage to the chain due to an external cause
- a fracture in the chain due to an excessive load or incorrect lubrication

Some guidelines:

- Replace lift chains per set. If this is not done, the chains are subject to an unequal load. This will result in an uneven wear, which might lead to breakage. A chain is subject to dynamic impact loads, which speed up the wear process.
- Use the same type of chains as the chain that was originally fitted.
- Inspect chain rollers and anchors after removing the chains. In case of wear or breakage these must be replaced.
- Always replace the chain pin and link simultaneously with the chain.
- Never connect individual pieces of chain together. This will always void the warranty.
- Lubricate the chain on a regular basis. By using a chain spray the lifespan of the chain extends, making it more resistant against corrosion and damage.

Chain disassembly

Although we offers chains "cut to length" sometimes you may need to cut chains yourselves. On page 89 we offer all kind of tools to cut roller chains. Select the right tool depending on chain type and pitch. For leaf chain disassembly we suggest 2 different ways depending on the chain pitch.

Small pitch chains (pitch \leq 1 inch)

Although the use of pressing material is preferred, this procedure assumes the use of hammer and chain pin extractor. The cutting should be done on a workbench or other sturdy support surface. First hit the pin with the hammer until the head of the chain pin is equal with the plate, continue to drive the pin through the plates with a hammer and chain pin extractor. The chain pin extractor should have a diameter slightly less than the pin link plate aperture.

Large pitch chains (pitch $>$ 1 inch)

Grind the head of the pin flush with the pin link. Remove the pin by using a hydraulic press and the matching toolkit.

Make sure you always remove the 2 pins fitted on one outer link. Do not damage other chain pins or links besides the one you want to remove.

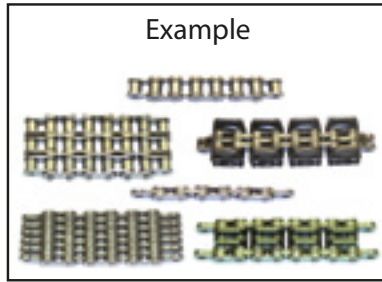
Press and tools are available on page 88.



LEAF CHAINS

LEAF CHAINS WITHOUT PLASTIC INSERTS – TECHNICAL SHEETS – ENGLISH

Group
10-01-03-00



Customer details

Type machine:

Price inquiry

Serial n° machine:

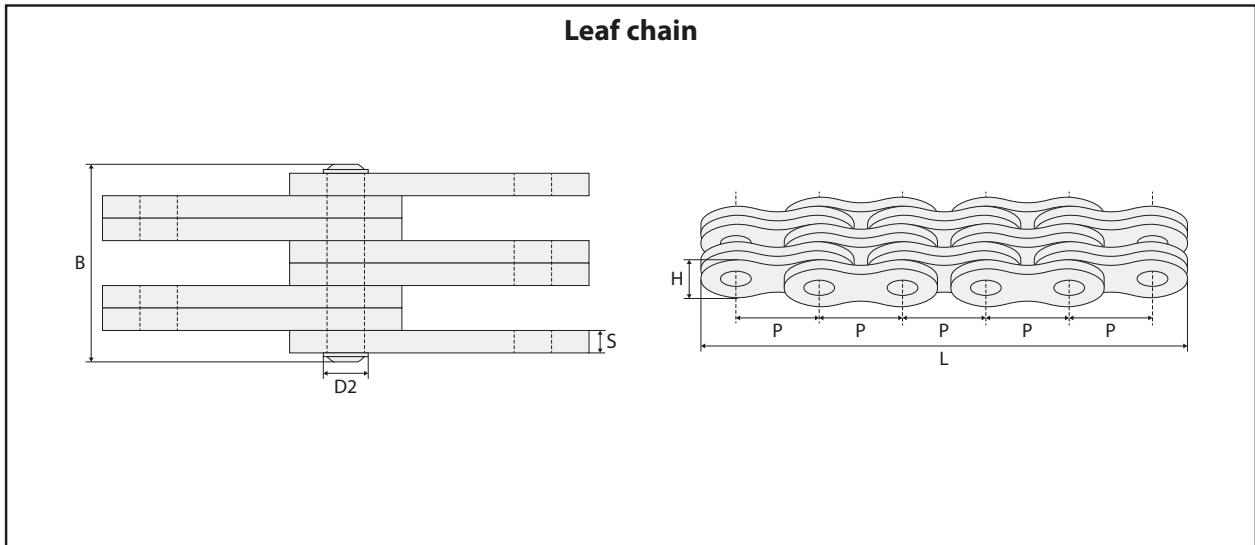
Order

CODE : TY-K x H x P x L x B x B2 x B3 x D1 x D2 x S x TY-SK x MAT x KIT x F1 x F2 x F3 x F4

- TY-K..... Type of chain:
SR = simplex roller chain
DR = duplex roller chain
TR = triplex roller chain
QR = quadruplex roller chain
SK = leaf chain
- H..... Total height.
- P..... Pitch length.
- L..... Total length.
- B..... Total width.
- B2..... Inner link width.
- B3..... Inner width.
- D1 Roller diameter.
- D2 Pin diameter.
- S..... Plate thickness.
- TY-SK Type of leaf chain, see combinations.
- MAT..... Material:
ST = steel
SS = stainless steel
DA = dachromat (zinc plated)
- KIT YES/NO, if chain lock(s) and/or chain anchor(s) are present.
- F1..... Nominal breaking load, in kN.
- F2..... Actual breaking load, in kN.
- F3..... Test load, in kN.
- F4..... Save working load, in kN/1 000 000 cycles.

LEAF CHAINS WITHOUT PLASTIC INSERTS – TECHNICAL SHEETS – ENGLISH

DIMENSIONS



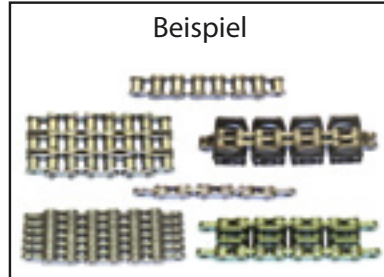
COMBINATIONS



LEAF CHAINS WITHOUT PLASTIC INSERTS – TECHNICAL SHEETS – GERMAN

KETTEN

Gruppe
10-01-03-00



Kundendaten

Maschinentyp:

Preis Anfrage

Serien-Nr. Maschine:

Bestellung

CODE : TY-K x H x P x L x B x B2 x B3 x D1 x D2 x S x TY-SK x MAT x KIT x F1 x F2 x F3 x F4

- TY-K..... Kettentyp:
SR = Simplex Rollenkette
DR = Duplex Rollenkette
TR = Triplex Rollenkette
QR = Quadruplex Rollenkette
SK = Flyerkette
- H..... Gesamthöhe.
P..... Teilung.
L..... Gesamtlänge.
B..... Gesamtbreite.
B2..... Breite Kettenglied.
B3..... Breite.
D1 Rollendurchmesser.
D2 Bolzendurchmesser.
S..... Blechstärke.
TY-SK Typ Flyerkette, siehe Kombinationen.
MAT..... Material:
ST = Stahl
SS = Inox
DA = Dachromat (galvanisch verzinkt)
- KIT JA/NEIN, wenn Kettenschloss(schlösser) und/oder Kettenanker vorhanden sind.
- F1..... Nominale Bruchkraft, in kN.
F2..... Reelle Bruchkraft, in kN.
F3..... Testkraft, in kN.
F4..... Maximale Belastung, in kN/1 000 000 Zyklus.

Siehe technische Datenblätter auf Englisch.

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	Weight (kg/m)	Info & used for	REF
P: 3/8" Pitch (9,525 mm)										
FL922 – works specs.	2 x 2	11	3,28	1,04	8,70	6,20	10,00	0,23	Jungheinrich	107TA1997
FL934 – works specs.	3 x 4	4	3,28	1,04	8,70	9,50	15,50	0,45		107TA1995
FL944 – works specs.	4 x 4	12	3,28	1,04	8,70	10,40	21,00	0,51	BT	107TA1994
FL956 – works specs.	5 x 6	7	3,28	1,04	8,70	13,80	26,00	0,69		107TA7698
FL966 – works specs.	6 x 6	13	3,28	1,04	8,70	14,90	31,00	0,75		107TA1996
UF966 – works specs.	6 x 6	13	3,59	1,30	7,30	18,50	30,90	0,62	Genie-lift	107TA7699
P: 1/2" Pitch (12,70 mm)										
AL422	2 x 2	11	3,96	1,50	10,20	8,10	14,10	0,35	Genie, Upright	107TA1998
LL0822	2 x 2	11	4,45	1,34	10,50	8,10	17,80	0,34	Atlet	107TA1999
BL422	2 x 2	11	5,08	2,00	12,00	10,70	29,00	0,60	Crown	107TA2001
BL423	2 x 3	1	5,08	2,00	12,00	13,20	29,00	0,80	Genie, Upright	107TA2002
Works specs.	3 x 4	4	4,45	1,69	10,70	14,20	31,00	0,71		107TA2004
BL434	3 x 4	3	5,08	2,06	12,10	17,20	42,50	1,08	Fiat, Snorkel	107TA2003
AL444	4 x 4	12	3,96	1,50	10,40	14,40	31,00	0,74	Genie	107TA2005
LL0844	4 x 4	12	4,45	1,34	11,50	13,00	36,40	0,66	Haulotte, Saxby	107TA2006
BL444	4 x 4	12	5,08	2,06	12,10	19,30	58,00	1,23	Jungheinrich	107TA2007
BL446	4 x 6	5	5,08	2,06	12,10	23,50	58,00	1,53	Hyster, Clark	107TA2008
Works specs.	5 x 6	7	4,45	1,69	10,70	21,10	53,00	1,10		107TA2009
AL466	6 x 6	13	3,97	1,50	10,40	20,50	43,00	1,09	Hyster	107TA2010
LL0866	6 x 6	13	4,45	1,50	10,50	21,50	55,89	1,15		107TA2011
BL466	6 x 6	13	5,08	2,06	12,10	27,80	90,00	1,83	Haulotte	107TA2012
BL488	8 x 8	14	5,08	2,06	12,10	36,30	110,00	2,43		107TA2013
Works specs.	8 x 8	14	4,45	1,69	10,70	29,90	85,00	1,60		107TA2014
P: 5/8" Pitch (15,875 mm)										
LL1022	2 x 2	11	5,08	1,50	12,00	9,30	24,53	0,50	JLG	107TA2021
AL522	2 x 2	11	5,08	2,08	12,70	10,40	28,00	0,61	Genie	107TA2015
BL522	2 x 2	11	5,95	2,38	15,00	12,50	43,50	0,90		107TA2018
F6H5 – works specs.	2 x 3	2	4,75	2,50	14,60	14,90	30,30	1,00	Crown	107TA2022
FLC523	2 x 3	2	5,08	1,80	12,00	12,30	24,50	0,60		107TA2016
Works specs.	2 x 3	2	5,08	1,94	12,70	12,10	29,00	0,69		107TA2019
BL523	2 x 3	1	5,95	2,46	15,10	15,00	40,10	1,18	Fiat, Still	107TA7700
FLC534	3 x 4	4	5,08	1,80	12,00	16,10	36,70	0,88		107TA2024
Works specs.	3 x 4	4	5,08	1,94	12,70	16,00	46,00	0,94		107TA2017
BL534	3 x 4	3	5,95	2,46	15,10	19,90	60,00	1,63		107TA2020
LL1044	4 x 4	12	5,08	1,65	12,10	16,40	44,50	0,85	BT, Fiat	107TA2026
Works specs.	4 x 4	12	5,08	1,94	12,70	18,10	58,00	1,07	Sichelschmidt	107TA7701
FU154 – works specs.	4 x 4	12	5,08	1,65	14,40	17,10	52,00	1,20	Jungheinrich	107TA2028
AL544	4 x 4	12	5,08	1,97	12,85	18,90	57,00	1,19	Genie	107TA7704
BL544	4 x 4	12	5,95	2,46	15,10	22,40	78,00	1,86		107TA7705

LEAF CHAINS

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	Weight (kg/m)	Info & used for	REF
Works specs.	4 x 4	12	5,08	1,94	12,70	18,10	62,50	1,13	Still	107TA7706
Works specs.	4 x 4	12	5,95	1,70	14,90	16,90	65,00	1,20	Still	107TA7708
FLC545	4 x 5	6	5,08	1,80	12,00	19,70	48,90	1,10	Lansing	107TA2030
Works specs.	4 x 5	6	5,08	1,94	12,70	20,30	58,00	1,20		107TA2031
BL546	4 x 6	5	5,95	2,46	15,10	27,30	78,00	2,32		107TA2032
FLC556	5 x 6	7	5,08	1,80	12,00	23,80	61,30	1,30		107TA2036
Works specs.	5 x 6	7	5,08	1,94	12,70	24,00	72,00	1,47		107TA2037
Works specs.	6 x 6	13	5,08	1,65	14,70	22,60	87,00	1,91	Rocla, Still	107TA2038
Works specs.	6 x 6	13	5,95	1,70	15,10	24,00	100,00	1,88	Still	107TA2039
LL1066	6 x 6	13	5,08	1,65	12,10	22,80	69,00	1,30		107TA2040
FU156 – works specs.	6 x 6	13	5,08	1,65	14,40	24,10	78,00	1,80	Jungheinrich	107TA2042
Works specs.	6 x 6	13	5,08	1,94	12,70	25,90	87,00	1,60	Sichelschmidt	107TA2043
FU156S – works specs.	6 x 6	13	5,08	2,05	14,70	27,50	83,50	2,10	Jungheinrich	107TA2044
AL566	6 x 6	13	5,08	2,08	12,70	27,60	85,00	1,79		107TA2045
BL566	6 x 6	13	5,95	2,46	15,10	32,30	120,00	2,77		107TA2046
Works specs.	6 x 7	8	5,08	1,94	12,70	28,00	90,00	1,74		107TA2047
Works specs.	6 x 7	8	5,08	1,70	13,30	25,30	90,00	1,70	Still	107TA2048
FLC578	7 x 8	9	5,08	1,80	12,00	31,50	85,70	1,80		107TA2049
Works specs.	7 x 8	9	5,08	1,94	12,70	32,50	101,00	2,00		107TA2050
LL1088	8 x 8	14	5,08	1,50	12,00	29,70	98,10	1,70	Still	107TA2051
FU158 – Works specs	8 x 8	14	5,08	1,65	14,40	30,90	102,00	2,30		107TA2053
Works specs.	8 x 8	14	5,08	1,94	12,70	34,00	115,00	2,15		107TA2054
AL588	8 x 8	14	5,08	2,08	12,70	36,20	113,00	2,37		107TA2055
BL588	8 x 8	14	5,95	2,38	15,00	42,60	174,00	3,60	Clark	107TA2056
Works specs.	8 x 8	14	5,95	1,70	14,90	31,00	130,00		Still	107TA2057
J516 – works specs.	8 x 8	14	5,08	1,65	14,70	29,60	116,00		Still	107TA2058
LL101212	12 x 12	16	5,08	1,65	12,10		135,00	2,50	Peg-Saxby	107TA2059
P: 3/4" Pitch (19,05 mm)										
LL1222	2 x 2	11	5,72	1,85	14,30	10,20	30,50	0,60		107TA2060
AL622	2 x 2	11	5,95	2,40	14,80	12,60	37,00	0,93		107TA2062
BL622	2 x 2	11	7,94	3,18	18,00	16,70	63,00	1,50		107TA2063
FLC623	2 x 3	2	5,72	1,80	14,40	12,50	32,60	0,76		107TA2065
Works specs.	2 x 3		5,72	1,81	15,00	10,00	32,00	0,82		107TA2066
BL623	2 x 3	1	7,94	3,23	18,20	20,00	60,00	1,92		107TA2067
FLC634	3 x 4	4	5,72	1,80	14,40	16,40	48,90	1,20		107TA2069
Works specs.	3 x 4		5,72	1,81	15,00	16,00	48,00	1,14		107TA2070
BL634	3 x 4	3	7,94	3,10	17,80	26,40	73,40	2,43		107TA2071
LL1244	4 x 4	12	5,72	1,85	14,30	17,80	61,00	1,18		107TA2073
FB194 – works specs.	4 x 4	12	5,72	1,83	16,10	18,10	66,00	1,40	Jungheinrich	107TA2075
Works specs.	4 x 4	12	5,72	2,29	15,00	21,30	73,00	1,20	Atlet	107TA2076
AL644	4 x 4	12	5,95	2,46	15,30	22,40	80,00	1,73		107TA2077
F1944 – works specs.	4 x 4	20	5,72	1,80	14,70	17,90				107TA2078

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	Weight (kg/m)	Info & used for	REF
F194S – works specs.	4 x 4	12	5,95	2,25	14,70	22,00	76,50	1,40		107TA2081
FU194S – works specs.	4 x 4	12	6,50	2,35	18,10	22,20	85,00	2,00	Jungheinrich, Yale	107TA2082
F19V44 – works specs.	4 x 4	12	6,50	2,35	15,20	22,40	71,00	1,75	Still/Steinbock, Linde	107TA2083
BL644	4 x 4	12	7,94	3,10	17,80	29,50	97,80	2,76		107TA2084
FLC645	4 x 5	6	5,72	1,80	14,40	20,20	65,20	1,40		107TA2086
LL1245	4 x 5	6	5,72	1,81	15,00	19,70	64,00	1,47		107TA2087
BL646	4 x 6	5	7,94	3,30	18,10	37,25	120,00	3,40		107TA2088
BL646E	4 x 6	41	7,92	3,10	17,90	35,90	124,00	3,40	Lansing, Linde	163TA8745
FLC656	5 x 6	7	5,72	1,80	14,40	24,00	81,50	1,80		107TA2090
Works specs.	5 x 6	7	5,72	1,81	15,00	22,90	80,00	1,70		107TA2091
LL1266	6 x 6	13	5,72	1,85	14,30	25,50	91,50	1,74		107TA2092
FU196 – works specs.	6 x 6	13	5,72	1,83	16,10	25,40	99,00	2,30	Jungheinrich	107TA2094
Works specs.	6 x 6	13	5,72	2,29	15,00	30,30	110,00	1,78	Sichelschmidt	107TA2095
AL666	6 x 6	13	5,95	2,46	15,30	32,30	120,00	2,57		107TA2096
F196S – works specs.	6 x 6	13	5,95	2,25	14,70	31,50	115,00	2,10	Jungheinrich	107TA2097
FU196S – works specs.	6 x 6	13	6,50	2,35	18,10	31,70	130,00	2,90	Jungheinrich	107TA2098
F19V66 – works specs.	6 x 6	13	6,50	2,35	15,20	32,30	106,00	2,60	Kooiaap, Moffett	107TA2100
BL666	6 x 6	13	7,94	3,25	17,80	42,60	181,50	5,05		107TA2101
FLC667	6 x 7	8	5,72	1,80	14,40	27,30	97,80	2,10	Lansing	107TA2103
Works specs.	6 x 7	8	5,72	1,81	15,00	26,70	96,00	2,00		107TA2104
FLC678	7 x 8	9	5,72	1,80	14,40	32,00	114,10	2,50	Lansing	107TA2107
Works specs.	7 x 8	9	5,72	1,81	15,00	30,30	112,00	2,30		107TA2108
LL1288	8 x 8	14	5,72	1,80	14,40	34,10	125,52	2,35	BT	107TA2109
AL688	8 x 8	14	5,95	2,44	15,30	42,30	155,00	3,34		107TA2105
BL688	8 x 8	14	7,94	3,18	18,00	57,50	252,00	6,00		107TA2106
FLC689	8 x 9	10	5,72	1,80	14,40	34,50	130,40	2,75		107TA2111
Works specs.	10 x 10	17	5,72	1,80	13,60	40,00	150,00	2,79	Still	107TA2112
LL121010 – works specs.	10 x 10	18	5,72	1,80	15,30	40,20	175,00	3,05	Still	107TA2115
Works specs.	10 x 11	19	5,72	1,80	14,40	42,00	163,00	3,09	Lansing	107TA2114
P: 1" Pitch (25,40 mm)										
AL822	2 x 2	11	7,94	3,23	20,70	16,00	66,00	1,54	Paflinger	107TA2116
BL822	2 x 2	11	9,53	4,00	24,00	20,50	106,50	2,50		107TA2117
LL1622	2 x 2	11	8,27	3,06	20,20	15,50	78,00	1,42	Saxby	107TA2118
Works specs.	2 x 3	2	8,27	3,06	20,20	18,60	72,00	1,65		107TA2120
BL823	2 x 3	1	9,53	4,00	23,60	24,60	84,50	3,00		107TA2121
AN834 – works specs.	3 x 4	3	10,90	3,23/4,00*	23,60	27,60	160,00	3,45	Hyster	107TA2122
Works specs.	3 x 4	4	8,27	3,06	20,20	25,30	108,00	2,27	Clark	107TA2123
FLC834	3 x 4	4	8,27	3,18	21,00	25,80	110,00	2,50	Steinbock	107TA2124
BL834	3 x 4	3	9,53	4,00	23,60	33,10	126,70	4,15		107TA2125

* 3,23 mm inner plate, 4,00 mm outer plate

LEAF CHAINS

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	Weight (kg/m)	Info & used for	REF
Works specs.	3 x 4	3	9,54	3,75/ 3,10/ 4,00**	23,70	29,35	116,00	3,66		164TA7806
AL844	4 x 4	12	7,94	3,06	20,20	28,20	156,00	2,84		107TA2127
LL1644	4 x 4	12	8,27	3,06	20,20	28,10	155,00	2,79		107TA2128
FU254 – works specs.	4 x 4	12	8,27	3,00	23,00	29,30	140,00	3,50	Jungheinrich, Kalmar	107TA2131
BL844	4 x 4	12	9,53	4,00	23,60	37,40	169,00	4,72		107TA2132
Works specs.	4 x 5	6	8,27	3,06	20,20	28,10	144,00	2,60		107TA2136
BL846	4 x 6	5	9,53	4,00	23,60	45,50	169,00	5,86		107TA2137
FLC856	5 x 6	7	8,27	3,06	20,20	37,20	180,00	3,54		107TA2140
AL866	6 x 6	13	7,94	3,23	20,70	42,40	186,00	4,46		107TA2142
LL1666	6 x 6	13	8,27	3,06	20,20	40,50	216,00	3,88	Kalmar, Still	107TA2143
FU256 – works specs.	6 x 6	13	8,27	3,00	23,00	41,30	210,00	5,00	Jungheinrich	107TA2145
BL866	6 x 6	13	9,53	4,00	23,60	54,00	253,50	7,00		107TA2146
AN866 – works specs.	6 x 6	13	10,90	3,23/4,00*	23,70	46,30	300,00	5,95	Hyster	107TA2147
FLC867	6 x 7	8	8,27	3,18	21,00	45,00	195,70	4,64	Climax	107TA2151
Works specs.	6 x 7	8	8,27	3,06	20,20	43,60	216,00	4,20		107TA2152
Works specs.	7 x 8	9	8,27	3,06	20,20	50,00	252,00	4,47		107TA2153
FLC878	7 x 8	9	8,27	3,18		51,30	225,00	5,35		107TA2154
LL1688	8 x 8	14	8,27	3,06	20,20	52,80	290,00	5,20		107TA2155
FU258 – works specs.	8 x 8	14	8,27	3,00	23,00	52,10	280,00	6,80		107TA2157
BL888	8 x 8	14	9,53	4,00	24,00	71,00	426,00	10,00	Clark	107TA2158
AL888	8 x 8	14	7,94	3,25	20,60	57,75	245,20	5,35		107TA2159
P: 1 1/4" Pitch (31,75 mm)										
AL1022	2 x 2	11	9,53	4,01	25,60	19,60	101,00	2,37		107TA2161
LL2022	2 x 2	11	10,17	3,56	25,30	18,20	95,00	2,03		107TA2162
Works specs.	2 x 2	11	10,17	4,16	22,80	20,80	106,00	1,95		107TA2164
BL1022	2 x 2	11	11,11	4,80	30,00	24,50	148,00	3,60		107TA2165
Works specs.	2 x 3	2	9,53	3,06	25,30	19,00	80,00	2,45		107TA2166
BL1023	2 x 3	1	11,11	4,88	29,60	28,70	145,00	4,44	Caterpillar, Mitsubishi	107TA2167
Works specs.	3 x 4		9,53	3,06	25,30	26,00	120,00	3,40		107TA2168
FLC1034	3 x 4	4	9,53	3,23	25,40	26,20	82,80	3,26	Steinbock	107TA2169
Works specs.	3 x 4	4	10,17	4,16	22,80	34,00	159,00	3,37		107TA2170
BL1034	3 x 4	3	11,11	4,88	29,60	38,60	244,00	6,17		107TA2171
AL1044	4 x 4	12	9,53	4,02	25,30	36,70	200,00	4,68		107TA2172
LL2044	4 x 4	12	10,17	3,56	25,30	33,40	190,00	4,25		107TA2173
Works specs.	4 x 4	12	10,17	4,16	22,80	37,90	214,00	3,84	Atlet	107TA2175
BL1044	4 x 4	12	11,11	4,88	29,60	43,60	303,00	7,04		107TA2176
Works specs.	4 x 5	6	9,53	3,06	25,30	32,60	160,00	4,40		107TA2177
FLC1045 – works specs.	4 x 5	6	9,53	3,23	25,40	33,00	110,30	4,10		107TA2178
BL1046	4 x 6	5	11,11	4,88	29,60	53,50	310,00	8,78		107TA2179
1046	4 x 6	5	13,25	4,70	29,20	49,10	241,00	8,60	Hyster, NLA	107TA2180

* 3,23 mm inner plate, 4,00 mm outer plate / ** 3,75 mm inner plate, 3,10 mm outer plate, 4,00 mm center plate

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	Weight (kg/m)	Info & used for	REF
Works specs.	5 x 6	7	9,53	3,06	25,30	39,60	200,00	5,40		107TA2181
FLC1056	5 x 6	7	9,53	3,23	25,40	39,40	137,90	5,12		107TA2182
Works specs.	5 x 6	7	10,17	4,16	22,80	51,40	266,00	5,26		107TA2183
AL1066	6 x 6	13	9,53	4,00	25,70	52,40	265,00	7,03		107TA2184
LL2066	6 x 6	13	10,17	3,70	25,40	48,90	285,00	6,19		107TA2185
Works specs.	6 x 6	13	10,17	4,16	22,80	55,00	304,00	5,72		107TA2187
BL1066	6 x 6	13	11,11	4,88	29,60	63,40	450,00	10,52		107TA2188
FLC1067	6 x 7	8	9,53	3,23	25,40	46,00	165,40	6,06		107TA2189
Works specs.	6 x 7	8	9,53	3,06	25,30	46,00	240,00	6,40		107TA2190
Works specs.	7 x 8	9	9,53	3,06	25,30	52,40	280,00	7,30	MIC	107TA2191
FLC1078	7 x 8	9	9,53	3,23	25,40	52,60	193,00	6,99	Steinbock	107TA2192
Works specs.	7 x 8	9	10,17	3,60	26,00	60,30	309,26	8,35		107TA2193
AL1088	8 x 8	14	9,53	4,01	25,60	68,70	406,00	9,31	Bauman, Jumbo	107TA2194
LL2088	8 x 8	14	10,17	3,60	26,00	65,10	353,00	8,40	Dantruck	107TA2195
Works specs.	8 x 8	14	10,17	4,16	22,80	72,10	427,00	7,63		107TA2196
BL1088	8 x 8	14	11,11	4,80	30,00	84,00	592,00	14,00		107TA2197
FLC1089	8 x 9	10	9,53	3,23	25,40	59,20	211,70	7,92		107TA2198
P: 1 1/2" Pitch (38,10 mm)										
AL1222	2 x 2	11	11,11	4,83	30,50	24,30	136,00	3,65		107TA2199
LL2422	2 x 2	11	14,63	5,10	31,00	28,40	147,10	3,80		107TA2200
BL1222	2 x 2	11	12,71	5,65	36,00	28,60	190,00	5,10		107TA2201
BL1223	2 x 3	1	12,71	5,50	34,40	33,60	151,00	5,80		107TA2202
BL1234	3 x 4	3	12,71	5,68	35,90	45,10	305,00	9,25		107TA2203
Works specs.	3 x 4	4	14,63	5,55	30,70	43,90	270,00	6,45		107TA2204
AL1244	4 x 4	12	11,11	4,83	30,50	43,80	272,00	7,05		107TA2205
BL1244	4 x 4	12	12,71	5,50	34,40	51,20	302,40	9,10		107TA8752
LC1244	4 x 4	12	13,42	5,13	30,60	46,30	340,00	7,18		107TA2207
F384U – works specs.	4 x 4	12	14,63	5,00	33,40	53,20	354,00	9,10	Kalmar, with sideplates	107TA2206
LL2444	4 x 4	12	14,63	5,08	30,70	46,80	340,00	7,07	Kalmar	107TA2208
Works specs.	4 x 4	12	14,63	5,55	30,70	49,10	360,00	7,35	Atlet	107TA2209
BL1246	4 x 6	5	12,71	5,68	35,90	62,70	405,00	13,16		107TA2210
AL1266	6 x 6	13	11,11	4,88	30,70	63,50	368,00	9,94		107TA2211
BL1266	6 x 6	13	12,71	5,68	35,90	74,20	560,00	15,77		107TA2212
F386U – works specs.	6 x 6	13	14,63	5,00	33,40	75,20	540,00	12,50	With sideplates	107TA2213
LL2466	6 x 6	13	14,63	5,00	33,00	68,30	510,00	12,00		107TA2214
Works specs.	6 x 6	13	14,63	5,55	30,70	71,60	540,00	10,95		107TA2215
LC 1266	6 x 6	13	13,42	5,72	30,60	63,50				139TA5946
BL1288	8 x 8	14	12,71	5,68	35,90	97,40	650,00	20,98		107TA2216
LC1288	8 x 8	14	13,42	5,13	30,60	87,90	636,00	14,23		107TA2217
F388U – works specs.	8 x 8	14	14,63	5,00	33,40	94,20	700,00	16,50	Kalmar, with sideplates	107TA2218
LL2488	8 x 8	14	14,63	5,00	33,00	89,70	680,00	16,30		107TA2219
Works specs.	8 x 8	14	14,63	5,55	30,70	94,10	720,00	13,50	SVE	107TA2220
F3888WU – works specs.	8 x 8	15	14,63	5,00	33,40	94,20	700,00	14,23	Kalmar – SVE	107TA2221

LEAF CHAINS

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	Weight (kg/m)	Info & used for	REF
AL1288	8 x 8	14	11,11	4,70	29,40	84,20	508,00	14,00	Caterpillar	107TA2222
Works specs.	10 x 10	17	13,42	5,13	30,60	108,80	795,00	17,75		107TA2223
LL241010 – works specs.	10 x 10	17	14,63	5,10	31,00	113,80	850,00	20,00		107TA2224
P: 1 3/4" Pitch (44,45 mm)										
AL1422	2 x 2	11	12,71	5,61	35,60	28,10	182,00	4,67		107TA2225
BL1422	2 x 2	11	14,28	6,45	42,00	32,60	240,00	6,70		107TA2226
LL2822/f4422	2 x 2	11	15,92	6,35	30,00	34,00	171,70	4,50		107TA2227
BL1423	2 x 3	1	14,28	6,45	42,00	40,20	240,00	7,20		107TA2228
BL1434	3 x 4	3	14,28	6,38	41,90	51,20	316,00	12,14		107TA2229
AL1444	4 x 4	12	12,71	5,61	35,60	50,80	364,00	9,12		107TA2230
BL1444	4 x 4	12	14,28	6,30	40,80	58,20	382,60	12,60	Heli	107TA2231
LL2844/ F4444	4 x 4	12	15,92	6,55	33,50	58,00	400,00	12,00		107TA2232
BL1446	4 x 6	5	14,28	6,30	40,80	71,50	382,60	15,70		107TA2234
AL1466	6 x 6	13	12,71	5,61	35,60	73,60	547,00	13,64		107TA2235
BL1466	6 x 6	13	14,28	6,30	40,80	85,00	642,00	18,80		107TA2236
LL2866/ F4466	6 x 6	13	15,92	6,00	36,00	80,20	515,00	13,00		107TA2237
BL1488	8 x 8	14	14,28	6,45	42,00	112,00	960,00	26,50	Linde	107TA2238
EL1488	8 x 8	14	15,92	6,35	30,00	112,00	686,70	17,00		107TA2239
P: 2" Pitch (50,80 mm)										
AL1622	2 x 2	11	14,28	6,43	40,70	31,90	231,00	5,79		107TA2240
BL1622	2 x 2	11	17,46	7,40	48,00	37,60	360,00	8,80		107TA2241
F5022	2 x 2	11	17,81	6,00	43,00	30,50	265,00	6,73		107TA2243
BL1623	2 x 3	1	17,46	7,40	48,00	46,60	3600,00	110,00		107TA2244
BL1634	3 x 4	3	17,46	7,40	48,00	57,80	540,00	15,40		107TA2245
AL1644	4 x 4	12	14,28	6,43	40,70	57,80	463,00	11,44		107TA2246
BL1644	4 x 4	12	17,46	7,40	48,00	67,90	720,00	17,70		107TA2247
LL3244/ F5044	4 x 4	12	17,81	6,30	41,20	59,10	520,00	11,90	Kalmar	107TA2248
F504 – works specs.	4 x 4	12	17,81	6,00	43,00	54,50	530,00	13,10	Kalmar	107TA2249
F504U – works specs.	4 x 4	12	17,81	6,00	43,00	60,20	530,00	13,50	With sideplates	112TA8494
Works specs.	4 x 4	12	20,32	7,14	47,63	73,66	667,20	17,58		107TA2250
BL1646	4 x 6	5	17,46	7,18	47,80	78,90	690,00	22,29		107TA2251
AL1666	6 x 6	13	14,28	6,30	41,20	85,00	642,00	18,00		107TA2252
BL1666	6 x 6	13	17,46	7,18	47,80	93,80	1000,00	26,70		107TA2253
LL3266/ F5066	6 x 6	13	17,81	6,30	41,20	85,40	780,00	17,80		107TA2254
F506 – works specs.	6 x 6	13	17,81	6,00	43,00	80,50	800,00	19,50		107TA2255
F506U – works specs.	6 x 6	13	17,81	6,00	43,00	87,20	800,00	20,00	Kalmar, with sideplates	107TA2256
Works specs.	6 x 6	13	20,32	7,14	47,63	103,38	934,10	26,00		107TA2257
AL1688	8 x 8	14	14,28	6,43	40,70	109,60	927,00	22,74		107TA2259
BL1688	8 x 8	14	17,46	7,18	47,80	126,00	1300,00	35,53		107TA2258

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	Weight (kg/m)	Info & used for	REF
LL3288/ F5088	8 x 8	14	17,81	6,30	41,20	112,00	1040,00	23,80	Fantuzzi, Sisu	107TA2260
F508 – works specs.	8 x 8	14	17,81	6,00	43,00	105,50	1050,00	25,80	Fantuzzi	107TA2261
F508U – works specs.	8 x 8	14	17,81	6,00	43,00	111,20	1050,00	26,50	Kalmar, SVE, with sideplates	107TA2262
F5088U – works specs.	8 x 8	15	17,81	6,00	43,00	111,20	1050,00	26,50	Kalmar, SVE, with sideplates	107TA2263
Works specs.	8 x 8	14	20,32	7,14	47,63	133,10	1245,00	34,32	Henley, 40 tonnes	107TA2264
LL321010/ F501010	10 x 10	18	17,81	6,30	41,00	142,00	1350,00	36,00	Cat, 40 tonnes	107TA2265
F501U – works specs.	10 x 10	18	17,81	6,00	43,00	135,00	1330,00	33,10	Valmet	107TA2266
P: 2 1/2" Pitch (63,50 mm)										
AL2022	2 x 2	11	19,84	8,00	58,80	41,50	342,00	9,70		107TA2267
LL4022/ F6322	2 x 2	11	22,89	8,00	48,50	44,70	333,50	9,45		107TA2268
AL2044	4 x 4	12	19,84	8,00	58,80	77,10	684,00	19,30		107TA2272
LL4044/ F6344	4 x 4	12	22,89	8,00	48,50	77,90	667,10	18,40		107TA2269
F634U	4 x 4	12	22,89	8,00	52,00	81,20	845,00	19,40		107TA2271
BL2066	6 x 6	13	23,73	9,50	60,30	127,60	1623,00	42,00		122TA7319
AL2066	6 x 6	13	19,84	8,00	58,80	110,20	1026,00	28,90		107TA2273
EL2066	6 x 6	13	22,89	8,00	48,00	106,50	1080,00	26,60		107TA2270
F636U – works specs.	6 x 6	13	22,89	8,00	52,00	112,20	1270,00	29,10	Kalmar, SVE	107TA2274
AL2088	8 x 8	14	19,84	8,00	58,80	143,30	1368,00	38,50		107TA2275
BL2088	8 x 8	14	23,73	9,50	60,30	167,00	2164,00	56,00		107TA2276
LL4088/ F6388	8 x 8	14	22,89	8,20	52,80	138,40	1600,00	39,00	Linde, SVE	107TA2277
F638U – works specs.	8 x 8	14	22,89	8,00	52,00	146,00	1690,00	38,80	Kalmar	107TA2279
P: 3" Pitch (76,20 mm)										
LL4822	2 x 2	11	29,22	10,00	60,00	56,10	490,50	14,80		107TA2280
LL4844	4 x 4	12	29,22	10,00	60,00	97,40	981,00	28,80		107TA2281
LL4866	6 x 6	13	29,22	10,00	60,00	138,90	1471,50	42,50		107TA2282
LL4888	8 x 8	14	29,22	10,00	60,00	180,40	1962,00	56,20		107TA2283
Works specs.	8 x 8	14	34,67	7,14	73,03	160,02	1842,00	61,02		107TA2284
Works specs.	10 x 10	18	34,67	7,14	73,03	189,61	2342,00	74,41	LancerBoss, 40 tonnes	107TA2285

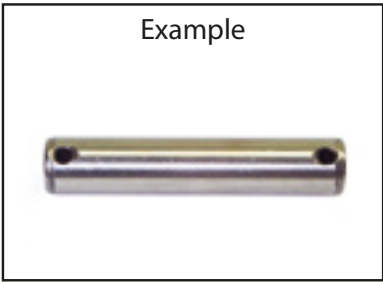
CHAIN REELS



Type	10-metre reel	30-metre reel	50-metre reel	Connecting link
AL644	115TA3780	139TA3604		115TA3824
AL666	122TA5295	139TA3605		122TA5301
AL844	115TA3781	139TA3606		115TA3825
AL866	122TA5297	139TA3607		122TA5303
AL1066	122TA5296	139TA3608		122TA5302
BL446	122TA5307		139TA3609	122TA5317
BL523	139TA3636		139TA3610	139TA3634
BL534	115TA3782		139TA3611	115TA3826
BL544	115TA3783		139TA3612	115TA3827
BL546	122TA5308		139TA3613	122TA5318
BL566	115TA3784		139TA3614	115TA3828
BL623	115TA3785	139TA3615		115TA3829
BL634	115TA3786	139TA3616		115TA3830
BL644	115TA3787	139TA3617		115TA3831
BL646	115TA3788	139TA3618		115TA3832
BL666	139TA3637	139TA3619		139ta3635
BL822	115TA3789	139TA3620		115TA3833
BL823	115TA3790	139TA3621		115TA3834
BL834	115TA3791	139TA3622		115TA3835
BL844	115TA3792	139TA3623		115TA3836
BL846	115TA3793	139TA3624		115TA3837
BL866	115TA3794	139TA3625		115TA3838
BL1023	122TA5304	139TA3626		122TA5314
BL1034	122TA5305	139TA3627		122TA5315
BL1046	122TA5306	139TA3628		122TA7687
LL1044	115TA3795		139TA3629	115TA3839
LL1066	115TA3796		139TA3630	115TA3840
LL1244	115TA3797	139TA3631		115TA3841
LL1266	115TA3798	139TA3632		115TA3842
LL1622	115TA3799	139TA6257		115TA3843
LL1644	115TA3800	139TA3633		115TA3844
LL1666	115TA3801	139TA6258		115TA3845

CHAIN PINS – TECHNICAL SHEETS – ENGLISH

Group
10-01-11-00



Customer details

Type machine:

Price inquiry

Serial n° machine:

Order

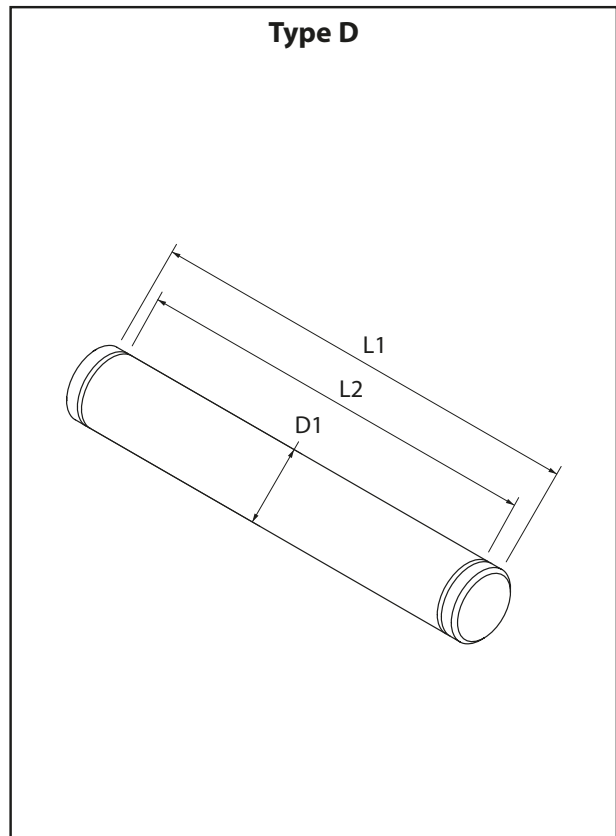
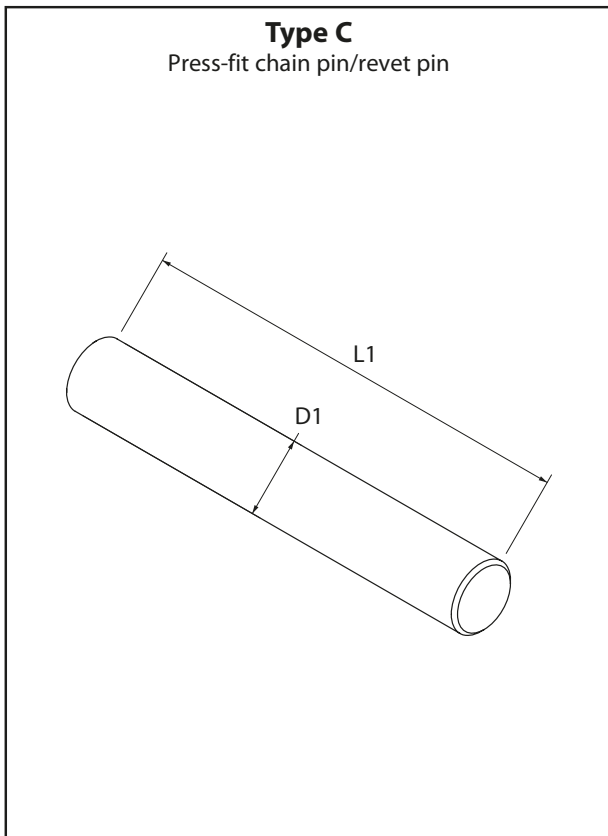
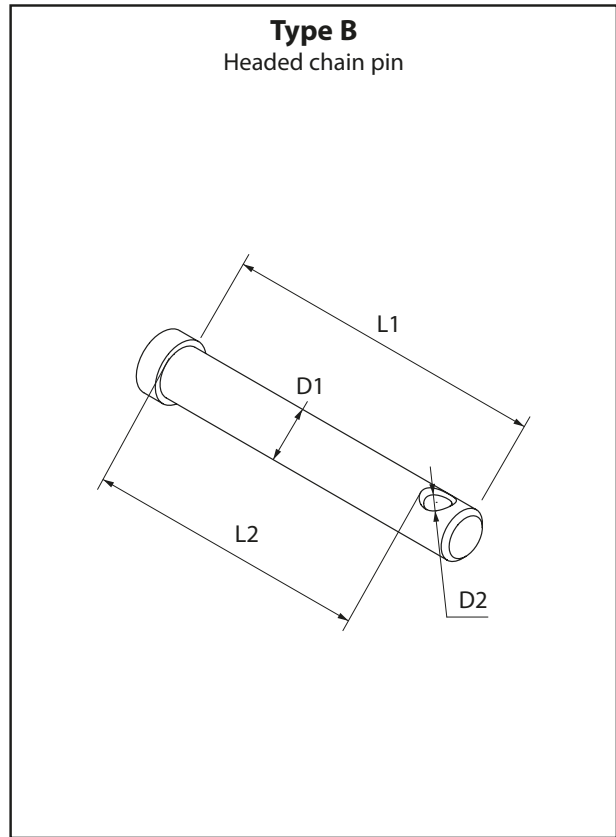
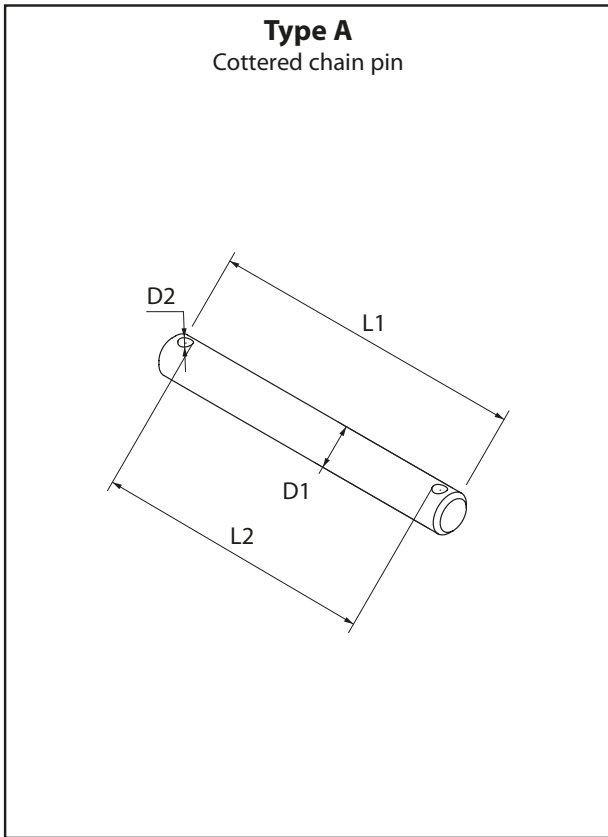
CODE: TY-PI x D1 x D2 x L1 x L2 x MAT x TY-KT1 x TY-KT2 x TY-KT3



- TY-PI Type of pin, see figures (mm).
- D1 Pin diameter (mm).
- D2 Diameter of cotter pin holes (mm).
- L1 Total length pin (without head) (mm).
- L2 Length between mountings (mm), only type A and B.
- MAT Material chain pin:
 - S = *steel*
 - C = *chrome*
- TY-KT1 Possible chain types.
- TY-KT2 Possible chain types.
- TY-KT3 Possible chain types.

CHAIN PINS - TECHNICAL SHEETS - ENGLISH

TYPE OF PIN



CHAIN PINS - TECHNICAL SHEETS - GERMAN

CHAIN PINS - TECHNICAL SHEETS - GERMAN

KETTENBOLZEN

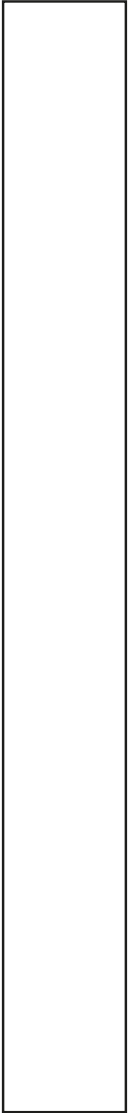
Gruppe
10-01-11-00



Kundendaten

Maschinentyp: Preisanfrage
 Serien-Nr. Maschine: Bestellung

CODE: TY-PI x D1 x D2 x L1 x L2 x MAT x TY-KT1 x TY-KT2 x TY-KT3



- TY-PI Bolzentyp, siehe Abbildungen (mm).
- D1 Bolzendurchmesser (mm).
- D2 Durchmesser splintlöcher (mm).
- L1 Gesamtlänge Bolzen (ohne Kopf) (mm).
- L2 Länge zwischen Befestigungen (mm), nur Typ A und B.
- MAT Material Kettenbolzen:
 S = Stahl
 C = Chrom
- TY-KT1 Mögliche Kettentypen.
- TY-KT2 Mögliche Kettentypen.
- TY-KT3 Mögliche Kettentypen.

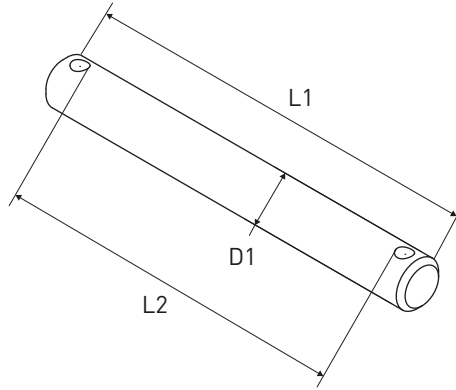
Siehe technische Datenblätter auf Englisch.

LEAF CHAINS

CHAIN PINS



Watch out when choosing a chain pin.
Width of the connected chain anchor could be larger than the width of the chain on its own.
L2 most important length to fit to the anchor.
Anchor width < L2



TYPE A: COTTERED CHAIN PINS

Diameter D1 (mm)	Inner dimensions L2 (mm)	Outer dimensions L1 (mm)	Suitable for chain types ISO-reference				REF
3,96	13,20	20,00	AL444				139TA3638
3,96	19,50	26,30	AL466				139TA3639
4,45	16,00	22,20	EL444				104TA3536
4,45	23,00	29,20	EL466				107TA2436
5,08	10,80	17,00	EL522				139TA3640
5,08	11,40	17,70	BL422	AL522			139TA3641
5,08	12,70	19,00	BL423	FLC523			139TA3642
5,08	15,30	21,30	EL544				104TA3534
5,08	17,00	23,20	FLC534				139TA3643
5,08	18,50	25,00	FB154				139TA3644
5,08	19,20	25,30	BL444	AL544			113TA1815
5,08	22,30	28,40	EL566				139TA3645
5,08	26,40	32,30	BL466	FB156	FLC556	AL566	104TA3488
5,08	29,00	35,00	FB156S	EL588			139TA3646
5,08	30,00	37,50	1588-F87				139TA3647
5,08	35,50	41,80	FLC578	FB158	BL488	AL588	139TA3648
5,08	43,00	52,00	J524				139TA3649
5,72	19,40	27,40	FLC623	FLC634	EL644	FB194	139TA3650
5,72	20,80	29,00	FLC645				113TA1822
5,72	26,70	34,70	FLC656	LL1266	FB196		139TA3651
5,72	33,80	41,80	FLC667				139TA3652
5,72	34,10	41,90	EL688	FLC678			139TA3653
5,72	35,40	43,20	FLC689				139TA3654
5,72	41,00	49,00	191010-4F87				139TA3655
5,72	46,00	54,00	FLC61011				139TA3656
5,94	12,80	19,40	AL622				139TA3657
5,94	13,20	20,40	BL522				104TA3510

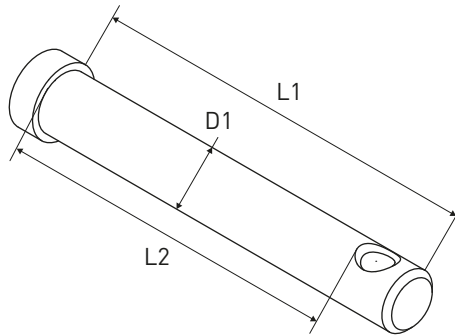
TYPE A: COTTERED CHAIN PINS							
Diameter D1 (mm)	Inner dimensions L2 (mm)	Outer dimensions L1 (mm)	Suitable for chain types ISO-reference				REF
5,94	15,30	22,60	BL523				104TA3519
5,94	20,00	26,60	BL534	FLC545			104TA3520
5,94	22,80	30,00	BL544	AL644	F194S		128TA4198
5,95	25,00	33,00	BL546				139TA3658
5,94	32,00	39,30	BL566	AL666	F196S		128TA4199
5,94	40,10	46,60	AL688				139TA3659
5,94	42,50	49,30	BL588				104TA3538
6,50	23,50	30,00	FB194S	F19V-44			139TA3660
6,50	32,50	40,20	F19V-66				139TA3662
6,50	36,00	44,20	FB196S				139TA3661
7,92	20,00	30,70	BL622	BL623	AL822		139TA3663
7,92	27,60	37,80	BL634				128TA4201
7,92	29,50	38,70	BL644	AL844			104TA3547
7,92	37,00	47,40	BL646				128TA4202
7,92	43,00	53,70	BL666	AL866			139TA3664
7,92	56,50	67,20	BL688	AL888			139TA3665
8,27	16,00	26,00	EL822				139TA3666
8,27	28,30	37,70	EL844	FLC834			104TA3491
8,27	30,50	40,40	FB254				139TA3667
8,27	41,00	51,70	FLC856	EL866			139TA3668
8,27	47,00	60,50	FB256				139TA3669
8,27	54,30	64,40	EL888	FLC878	FB258		139TA3670
9,53	21,40	32,55	BL822	AL1022			104TA3548
9,53	25,00	35,70	BL823				128TA4203
9,53	31,30	42,90	BL834	FLC1034			128TA4204
9,53	34,00	42,00	FLC1045				139TA3671
9,53	37,00	47,70	BL844	AL1044			104TA3544
9,53	41,00	52,00	FLC1056				139TA3672
9,53	46,00	56,70	BL846				104TA3505
9,53	47,40	60,00	FLC1067				139TA3673
9,53	53,20	64,40	BL866	AL1066	FLC1078		128TA4207
9,53	69,50	80,30	BL888	AL1088			104TA3499
10,14	24,30	35,50	EL1022				139TA3675
10,14	33,00	43,70	EL1044				104TA3514
10,14	47,10	58,30	EL1066				139TA3676
10,14	62,20	75,50	EL1088	EL1078			139TA3677
10,90	30,00	43,00	AN834				139TA3678
10,90	52,60	65,20	AN866				139TA3679
11,11	30,00	42,40	BL1023	AL1222	BL1022		104TA3539
11,11	39,20	51,60	BL1034				139TA3680
11,11	43,60	56,00	BL1044	AL1244			139TA3681
11,11	54,20	66,60	BL1046				107TA2421

LEAF CHAINS

CHAIN PINS

TYPE A: COTTERED CHAIN PINS							
Diameter D1 (mm)	Inner dimensions L2 (mm)	Outer dimensions L1 (mm)	Suitable for chain types ISO-reference			REF	
11,11	58,60	71,80	BL1066	AL1266		139TA3682	
11,11	79,90	92,40	BL1088	AL1288		104TA3484	
12,70	34,40	42,00	BL1222	BL1223		139TA3683	
12,70	46,40	58,40	BL1234			139TA3684	
12,70	52,50	64,40	BL1244	AL1444		139TA3685	
12,70	63,60	76,00	BL1246			139TA3686	
12,70	75,60	87,80	BL1266	AL1466		139TA3687	
12,70	98,80	110,80	BL1288			139TA3688	
14,27	38,70	51,10	BL1423			139TA3689	
14,27	45,20	58,60	BL1422	AL1622		139TA3690	
14,27	52,00	64,50	BL1434			139TA3691	
14,27	58,80	72,00	BL1444	AL1644		139TA3692	
14,27	71,70	82,70	BL1446			139TA3693	
14,27	89,50	97,00	BL1466	AL1666		139TA3694	
14,63	48,50	60,60	EL1244			139TA3695	
14,63	69,20	81,60	EL1266	F384U		107TA2438	
14,63	75,30	89,00	F386U			139TA3696	
14,63	90,80	104,40	EL1288			139TA3697	
14,63	109,00	119,00	F388U			139TA3698	
15,90	29,70	42,10	EL1422			139TA3699	
15,90	66,00	74,80	EL1444			139TA3700	
15,90	80,20	92,70	EL1466			139TA3701	
15,90	106,00	118,50	EL1488			139TA3702	
17,46	43,50	60,00	BL1623			139TA3703	
17,46	58,40	75,50	BL1634			139TA3704	
17,46	65,70	82,90	BL1644			139TA3705	
17,46	80,20	97,40	BL1646			139TA3706	
17,46	95,30	112,20	BL1666			139TA3707	
17,46	124,00	141,60	BL1688			139TA3708	
17,76	34,40	51,90	EL1622			104TA3553	
17,76	59,90	77,50	EL1644	F504		104TA3523	
17,76	81,40	93,75	F506	F 506 U		104TA3490	
17,76	86,40	104,00	EL1666			104TA3552	
17,76	108,20	119,00	F508	F508U		139TA3709	
17,76	114,20	131,50	EL1688			139TA3710	
17,76	144,00	165,00	F501U	F501010		139TA3711	
22,80	73,30	94,40	EL2044			104TA3554	
22,80	106,60	127,60	EL2066			104TA3555	
22,80	140,10	161,10	EL2088			104TA3513	
29,18	91,50	112,50	EL2444			139TA3712	
29,18	133,50	154,50	EL2466			139TA3713	
29,18	174,20	195,50	EL2488			139TA3714	

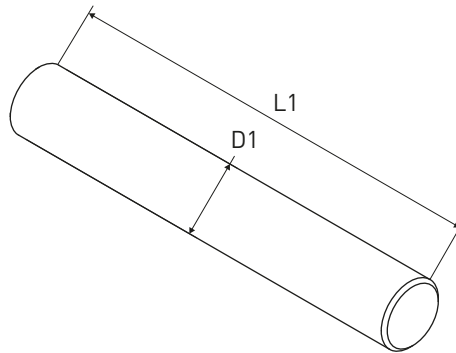
TYPE B: HEADED CHAIN PINS



Diameter D1 (mm)	Inner dimensions L2 (mm)	Outer dimensions L1 (mm)	Suitable for chain types ISO-reference				REF
5,08	26,50	30,50	BL546	FLC556	FB156	EL588	139TA3715
5,08	31,00	35,10	AL566	FB 56S			163TA8754
5,95	19,30	22,50	FLC623	FLC634	FB194	EL644	139TA3716
5,95	32,30	38,10	AL666	F196S	BL566	FLC678	104TA3570
5,95	44,50	51,50	BL588	AL688			113TA1742
7,92	19,00	24,00	BL622	AL822			139TA3717
7,92	28,60	33,60	BL634	AL844			139TA3718
7,92	31,50	36,50	BL623	BL644			104TA3571
7,92	38,20	43,60	BL646				104TA3574
8,27	34,50	40,00	LL1644				139TA3719
9,40	63,30	11,00	FLC1089				104TA3577
9,52	22,00	28,00	AL1022	BL822			139TA3720
9,52	28,00	35,00	FLC1034				139TA3721
9,52	35,50	41,20	BL834	FLC1045			104TA3575
9,52	46,00	51,10	BL846	FLC1067	BL844+pl		104TA3576
11,11	42,10	50,80	BL1034				104TA3563
11,11	67,30	76,20	BL1046	BL1066	AL1266		104TA3565
11,80	30,50	35,00	AL1222				139TA3722
12,60	56,00	92,50	BL1244	AL1444			139TA3723
12,60	68,50	83,60	BL1246				139TA3724
14,27	76,50	86,60	BL1446				104TA3567
15,70	60,00	67,00	EL1444				139TA3725

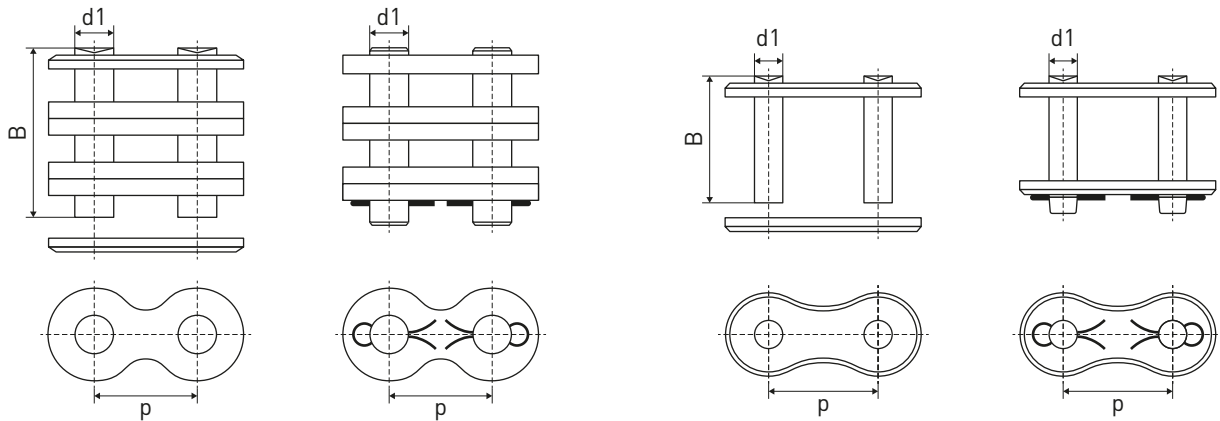
LEAF CHAINS

TYPE C: PRESS-FIT CHAIN PIN/REVET PINS



Diameter D1 (mm)	Outer dimensions L1 (mm)	Suitable for chain types ISO-reference			REF
5,08	17,00	FB154			139TA3726
5,08	24,00	BL446	EL566	FB156	139TA3727
5,72	25,00	FB196	FB194K		139TA3728
5,94	27,20	BL546			139TA3729
5,94	32,00	AL666			139TA3730
5,94	32,30	BL566			139TA3731
5,94	22,50	AL644			139TA3732
5,94	22,50	BL544			139TA3733
5,94	19,70	534			139TA3734
5,94	19,70	BL534			139TA3734
6,50	31,50	FB196S			139TA3735
6,50	32,20	F19 V-66			139TA3736
7,92	20,00	BL623			139TA3737
7,92	26,40	BL634			139TA3738
7,92	28,00	AL844			139TA3739
7,92	29,70	BL644			139TA3740
7,92	36,50	BL646			139TA3741
7,92	43,00	BL666			139TA3742
8,27	29,20	FB254			116TA4993
8,27	41,40	FB256			139TA3744
8,27	42,20	EL866			139TA3745
9,53	53,50	BL866			139TA3746
9,53	32,70	BL834			139TA3747
9,53	45,00	BL846			139TA3748
11,00	38,30	BL1034			139TA3749
14,10	51,10	BL1434			139TA3750
14,60	93,00	F388U			139TA3751
17,46	93,40	BL1666			139TA3752
17,76	60,00	F504U			139TA3753
17,76	87,00	F506U			139TA3754
17,76	105,00	F508			139TA3755
17,76	111,00	F508U			139TA3756

CONNECTING LINKS



Type chain	REF connecting link
AL422	139TA3765
BL422	139TA3766
BL423	139TA3766
BL434	139TA3767
BL446	139TA3768
AL466	139TA3769
BL466	139TA3770
BL523	107TA2383
BL534	107TA2384
LL1044	107TA2405
AL544	107TA2403
BL544	107TA2385
BL546	107TA2386
LL1066	139TA3771
AL566	107TA2404
BL566	113TA1741
LL1088	107TA2406
AL588	139TA3772
BL588	107TA2387
BL622	139TA3773
BL623	139TA3774
BL634	139TA3775
LL1244	107TA2409
AL644	107TA2407
F19V-44	139TA3776
BL644	107TA2390
FLC645	139TA3777
BL646	107TA2391
LL1266	107TA2410
AL666	107TA2408
BL666	107TA2392
FLC667	139TA3778

Type chain	REF connecting link
LL1288	139TA3779
AL688	139TA3780
BL822	107TA2393
BL823	107TA2394
AN834	113TA1744
FLC834	139TA3781
BL834	107TA2395
AL844	107TA2411
LL1644	107TA2413
BL844	107TA2396
BL846	107TA2397
AL866	107TA2412
LL1666	139TA3782
BL866	107TA2398
AN866	139TA3783
BL1023	107TA2399
BL1034	107TA2400
AL1044	107TA2414
LL2044	107TA2417
BL1044	139TA3784
BL1046	139TA3785
FLC1056	139TA3786
AL1066	107TA2415
LL2066	107TA2418
BL1066	107TA2402
FLC1078	139TA3787
AL1088	107TA2416
BL1234	113TA1753
BL1266	139TA3788
BL1288	139TA3789
BL1446	139TA3790
LL3288	139TA3791



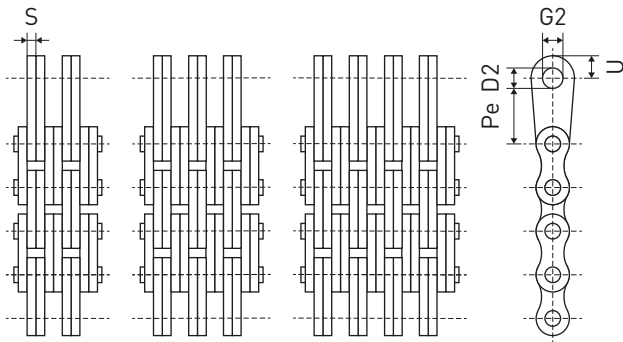
Only to connect chain to anchor.
Never connect individual pieces of chain together. This will always void the warranty.

LEAF CHAINS

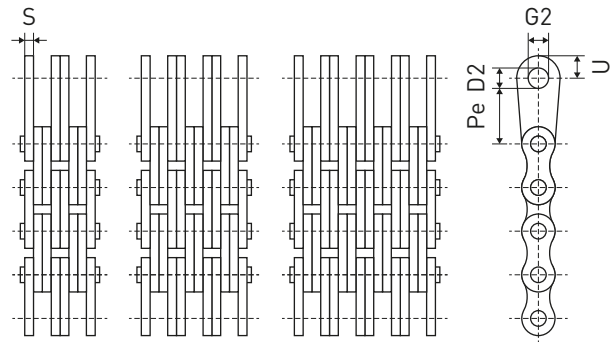
END PLATES

END PLATES

Inner end plates



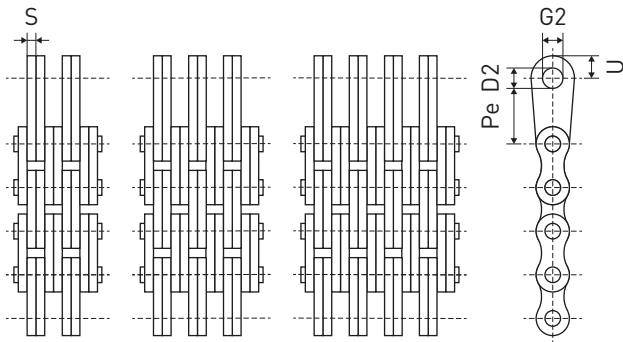
Outer end plates



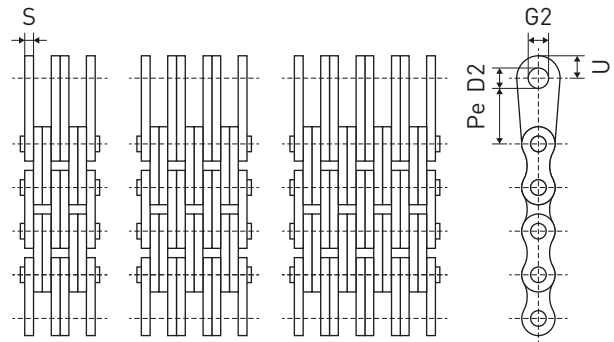
		Pe (mm)	D2 (mm)	G2 (mm)	S (mm)	U (mm)	REF
F1244	Inner end link	15,00	6,00	16,00	1,70	10,00	139TA4390
	Outer end link						139TA4391
F1266	Inner end link						139TA4392
	Outer end link						139TA4393
F1544	Inner end link	20,00	8,00	18,00	1,50	11,00	139TA4394
	Outer end link						139TA4395
F1566	Inner end link						139TA4396
	Outer end link						139TA4397
F2544	Inner end link	30,00	12,00	25,00	3,00	15,00	139TA4398
	Outer end link						139TA4399
F2566	Inner end link						139TA4400
	Outer end link						139TA4401
F2588	Inner end link						139TA4402
	Outer end link						139TA4403
F3144	Inner end link	50,00	18,00	40,00	3,50	25,00	139TA4404
	Outer end link						139TA4405
F3166	Inner end link						139TA4406
	Outer end link						139TA4407
F3188	Inner end link						139TA4408
	Outer end link						139TA4409
F3844	Inner end link	65,00	24,00	50,00	5,00	29,00	139TA4410
	Outer end link						139TA4411
F3866	Inner end link						139TA4412
	Outer end link						139TA4413
F19v44	Inner end link	25,00	10,00	19,80	2,35	11,20	139TA4414
	Outer end link						139TA4415
F19v66	Inner end link						139TA4416
	Outer end link						
AL644	Inner end link	25,00	10,00	19,80	2,40	11,20	139TA4418
	Outer end link						139TA4419
AL666	Inner end link						139TA4420
	Outer end link						139TA4421
AL688	Inner end link						139TA4422
	Outer end link						139TA4423

END PLATES

Inner end plates



Outer end plates



		Pe (mm)	D2 (mm)	G2 (mm)	S (mm)	U (mm)	REF
AL1044	Inner end link	40,00	14,00	30,00	4,00	18,00	139TA4424
	Outer end link						139TA4425
AL1066	Inner end link						139TA4426
	Outer end link						139TA4427
FU154	Outer end link	30,00	10,00	20,00	1,70	10,50	139TA4428
FU156	Outer end link						139TA4429
FU158	Outer end link						139TA4430
FU156S	Outer end link	20,00	8,30	18,00	2,00	18,20	139TA4431
FU194	Outer end link	30,00	10,00	20,00	1,80	12,10	139TA4432
FU196	Outer end link						139TA4433
FU194S	Outer end link	25,00	10,30	20,00	2,30	12,10	139TA4434
FU196S	Outer end link						139TA4435
FU254	Outer end link	45,00	13,00	35,00	3,00	17,50	139TA4436
FU256	Outer end link						139TA4437
FU258	Outer end link						

CORROSION PROOF CHAINS FOR FORKLIFTS



Corrosion proof chains

- Dacromat surface treatment
- corrosive environment
- humid atmosphere
- saline atmosphere

In lifting:

Continuous stitches of lifting series J (LL), LH (BL) and AL.

Anti-corrosion:

A mineral coating protects the components of the chain.

Increased lifespan:

The pins are thermochemically treated comparable to a chromium plating for increased hardness and a higher resistance to corrosion.

Higher resistance to traction, where:

- The corrosion does not allow the use of a normal chain.
- The requirements are higher than stainless steel chain can provide.



Type	Combination	Combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	Weight (kg/m)	REF
P: 5/8" Pitch (15,875 mm)									
BL534DR	3 x 4	3	5,95	2,40	14,50	20,00	60,00	1,45	107TA7702
LL1044DR	4 x 4	12	5,08	1,50	12,00	16,10	49,05	0,90	107TA2027
BL544DR	4 x 4	12	5,95	2,38	12,00	22,60	78,00	1,66	139TA4475
BL546DR	4 x 6	5	5,95	2,38	15,00	27,70	87,00	2,20	107TA2033
LL1066DR	6 x 6	13	5,08	1,50	12,00	22,90	73,58	1,30	107TA2041
P: 3/4" Pitch (19,05 mm)									
BL623DR	2 x 3	1	7,94	3,18	18,00	20,70	63,00	1,90	107TA2068
BL634DR	3 x 4	3	7,94	3,30	18,10	27,10	90,00	2,35	107TA2072
LL1244DR	4 x 4	12	5,72	1,85	14,30	17,80	61,00	1,18	107TA2074
AL644DR	4 x 4	12	5,95	2,40	14,30	22,30	63,60	1,65	107TA2080
BL644DR	4 x 4	12	7,94	3,30	18,10	30,50	120,00	2,80	107TA2085
BL646DR	4 x 6	5	7,94	3,30	18,10	37,25	120,00	3,40	107TA2089
LL1266DR	6 x 6	13	5,72	1,85	14,30	25,50	91,50	1,74	107TA2093
BL666DR	6 x 6	13	7,94	3,30	18,10	44,00	180,00	4,00	107TA2102
P: 1" Pitch (25,40 mm)									
BL834DR	3 x 4	3	9,53	4,02	24,00	33,70	180,00	4,35	107TA2126
LL1644DR	4 x 4	12	8,27	3,20	20,80	30,20	132,00	2,85	107TA2129
BL846DR	4 x 6	5	9,53	4,00	24,00	46,20	213,00	6,20	107TA2138
LL1666DR	6 x 6	13	8,27	3,18	21,00	43,20	220,65	4,50	107TA2144

CORROSION PROOF CHAINS FOR FORKLIFTS

Type	Matching pin	Matching connecting link
BL534DR	<u>139TA4441</u>	<u>139TA4458</u>
LL1044DR	<u>139TA4442</u>	<u>139TA4459</u>
	<u>139TA4443</u>	<u>139TA4460</u>
BL546DR	<u>139TA4444</u>	<u>139TA4461</u>
LL1066DR	<u>139TA4445</u>	<u>139TA4462</u>
BL623DR	<u>139TA4446</u>	<u>139TA4463</u>
BL634DR	<u>139TA4447</u>	<u>139TA4464</u>
LL1244DR	<u>139TA4448</u>	<u>139TA4465</u>
AL644DR	<u>139TA4449</u>	<u>139TA4466</u>
BL644DR	<u>139TA4450</u>	<u>139TA4467</u>
BL646DR	<u>139TA4451</u>	<u>139TA4468</u>
LL1266DR	<u>139TA4452</u>	<u>139TA4469</u>
BL666DR	<u>139TA4453</u>	<u>139TA4470</u>
BL834DR	<u>139TA4454</u>	<u>139TA4471</u>
LL1644DR	<u>139TA4455</u>	<u>139TA4472</u>
BL846DR	<u>139TA4456</u>	<u>139TA4473</u>
LL1666DR	<u>139TA4457</u>	<u>139TA4474</u>

CORROSION PROOF CHAINS FOR FORKLIFTS



LEAF CHAINS

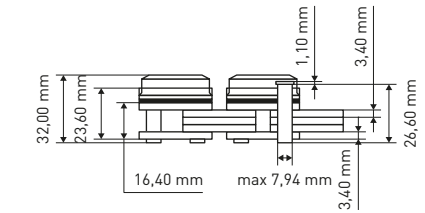
LEAF CHAINS WITH PLASTIC INSERTS

LEAF CHAINS WITH PLASTIC INSERTS - USED FOR LINDE

Type 080

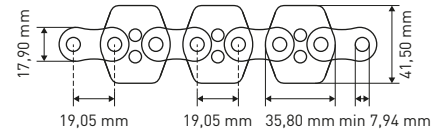
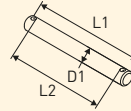
REF [107TA2064](#)

- Combination: 23
- Pin diameter: 7,94 mm
- Plate thickness: 3,40 mm
- Plate depth: 17,90 mm
- Pin length: 26,60 mm
- Tensile strength: 62 kN
- Weight: 2,20 kg/m



REF [139TA4520](#)

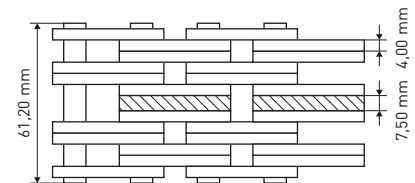
Matching cotterpin:
7,93 x 27,00 x 37,70 mm



Type 102

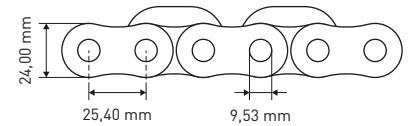
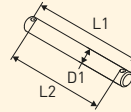
REF [107TA2149](#)

- Combination: 30
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 24,00 mm
- Pin length: 61,20 mm
- Tensile strength: 319,50 kN
- Weight: 7,50 kg/m



REF [139TA4506](#)

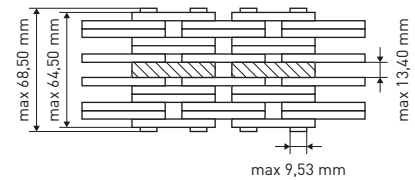
Matching cotterpin:
9,52 x 62,20 x 73,00 mm



Type 104

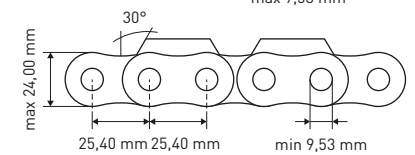
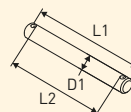
REF [107TA2148](#)

- Combination: 29
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 24,00 mm
- Pin length: 68,50 mm
- Tensile strength: 315 kN
- Weight: 7 kg/m



REF [139TA4527](#)

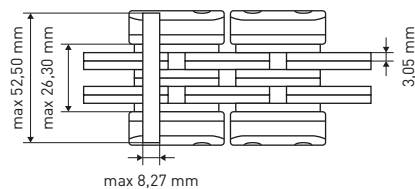
Matching cotterpin:
9,52 x 69,50 x 80,30 mm



Type 105

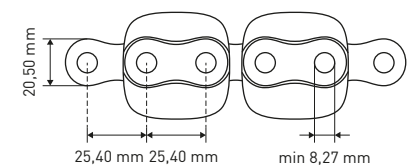
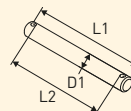
REF [107TA2135](#)

- Combination: 26
- Pin diameter: 8,27 mm
- Plate thickness: 3,05 mm
- Plate depth: 20,50 mm
- Pin length: 52,50 mm
- Tensile strength: 116 kN
- Weight: 3 kg/m



REF [104TA3527](#)

Matching cotterpin:
8,27 x 47,00 x 56,90 mm



Available in European OEM brand and Asian OEM brand.

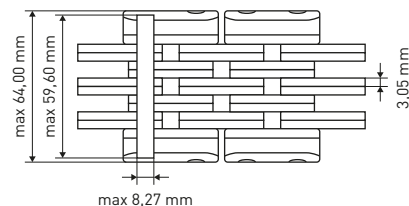
LEAF CHAINS

LEAF CHAINS WITH PLASTIC INSERTS - USED FOR LINDE

Type 106

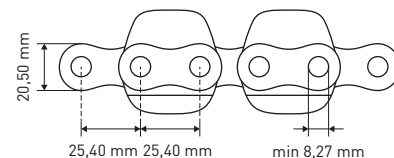
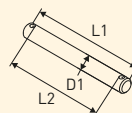
REF 107TA2150

- Combination: 31
- Pin diameter: 8,27 mm
- Plate thickness: 3,05 mm
- Plate depth: 20,50 mm
- Pin length: 59,50 mm
- Tensile strength: 174 kN
- Weight: 4,20 kg/m



REF 104TA3506

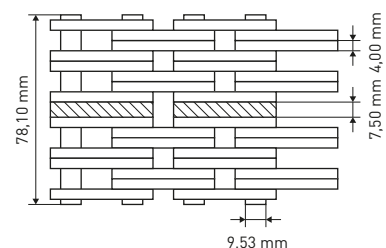
Matching cotterpin:
8,27 x 50,50 x 60,50 mm



Type 108

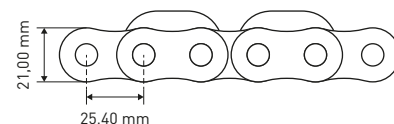
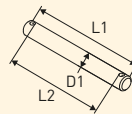
REF 107TA2160

- Combination: 28
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 21mm
- Pin length: 78,10 mm
- Tensile strength: 294,20 kN
- Weight: 6 kg/m



REF 139TA4507

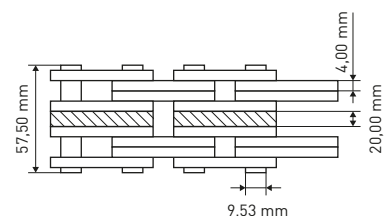
Matching cotterpin:
9,52 x 82,70 x 93,00 mm



Type 109

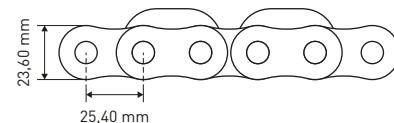
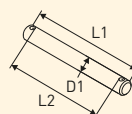
REF 107TA2133

- Combination: 25
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 23,60 mm
- Pin length: 57,50 mm
- Tensile strength: 210 kN
- Weight: 4,90 kg/m



REF 139TA4506

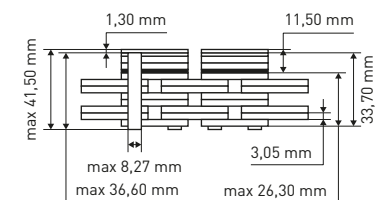
Matching cotterpin:
9,52 x 62,20 x 73,00 mm



Type 110

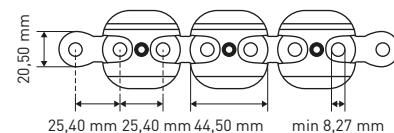
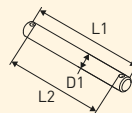
REF 107TA2139

- Combination: 27
- Pin diameter: 8,27 mm
- Plate thickness: 3,05 mm
- Plate depth: 20,50 mm
- Pin length: 36,60 mm
- Tensile strength: 116 kN
- Weight: 2,80 kg/m



REF 139TA4526

Matching cotterpin:
8,27 x 37,20 x 48,30 mm



LEAF CHAINS WITH PLASTIC INSERTS

LEAF CHAINS

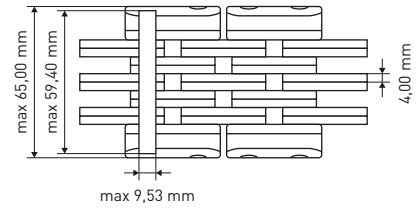
LEAF CHAINS WITH PLASTIC INSERTS

LEAF CHAINS WITH PLASTIC INSERTS - USED FOR LINDE

Type 111

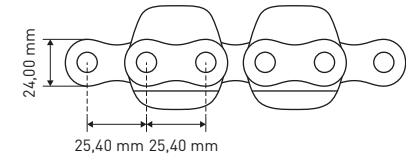
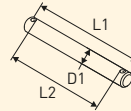
REF 122TA7690

- Combination: 31
- Pin diameter: 9,53 mm
- Plate thickness: 3,05 mm
- Plate depth: 24,00 mm
- Pin length: 59,50 mm
- Tensile strength: 253 kN
- Weight: 8,50 kg/m



REF 139TA4528

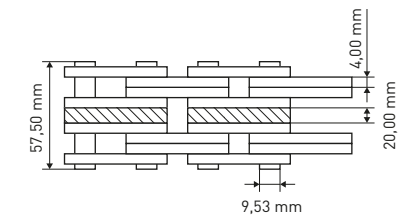
Matching cotterpin:
9,52 x 62,20 x 73,00 mm



Type 116

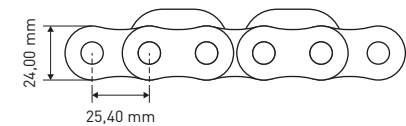
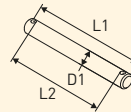
REF 111TA3480

- Combination: 33
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 24,00 mm
- Pin length: 57,50 mm
- Tensile strength: 210 kN
- Weight: 4,95 kg/m



REF 139TA4506

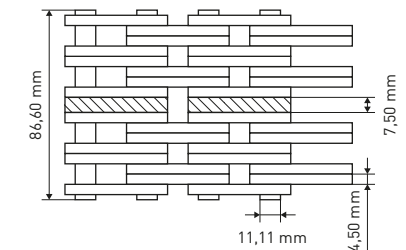
Matching cotterpin:
9,52 x 62,20 x 73,00 mm



Type 119

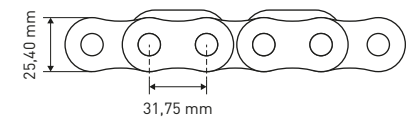
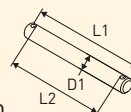
REF 122TA7689

- Combination: 28
- Pin diameter: 11,11 mm
- Plate thickness: 4,50 mm
- Plate depth: 25,40 mm
- Pin length: 86,60 mm
- Tensile strength: 465 kN
- Weight: 9,10 kg/m



REF 139TA6259

Matching cotterpin:
10,14 x 62,00 x 72,70 mm



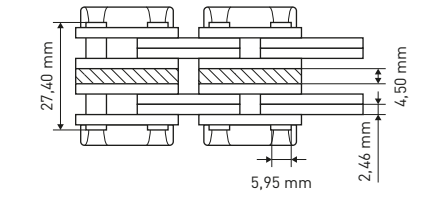
LEAF CHAINS

LEAF CHAINS WITH PLASTIC INSERTS - USED FOR TOYOTA/CESAB

Type BL544KS

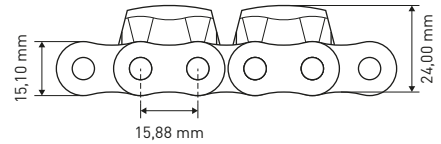
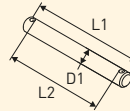
REF 136TA3213

- Combination: 37
- Pin diameter: 5,95 mm
- Plate thickness: 2,46 mm
- Plate depth: 15,10 mm
- Pin length: 27,40 mm
- Tensile strength: 66,70 kN
- Weight: 2,30 kg/m



REF 139TA4519

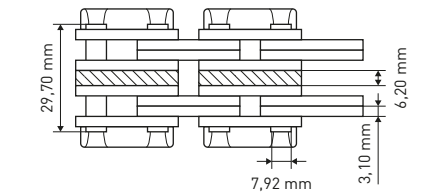
Matching cotterpin:
5,95 x 29,00 x 33,50 mm



Type BL644KS

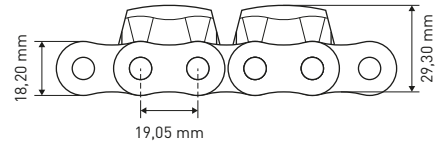
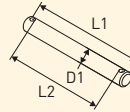
REF 163TA8746

- Combination: 37
- Pin diameter: 7,92 mm
- Plate thickness: 3,10 mm
- Plate depth: 14,60 mm
- Pin length: 29,70 mm
- Tensile strength: 120 kN
- Weight: 2,90 kg/m



REF 104TA3547

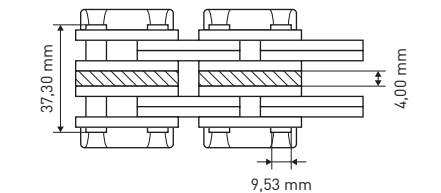
Matching cotterpin:
7,92 x 30,50 x 40,50 mm



Type BL844KS

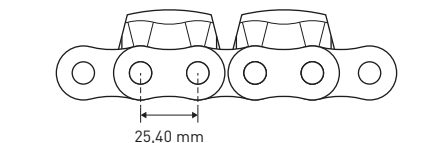
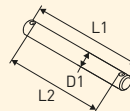
REF 163TA8747

- Combination: 37
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 23,60 mm
- Pin length: 37,30 mm
- Tensile strength: 210 kN
- Weight: 3,50 kg/m



REF 104TA3544

Matching cotterpin:
9,53 x 37,00 x 47,50 mm



LEAF CHAINS

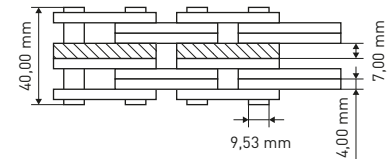
LEAF CHAINS WITH PLASTIC INSERTS

LEAF CHAINS WITH PLASTIC INSERTS - USED FOR STEINBOCK

Type BL834LKS

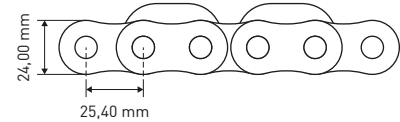
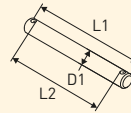
REF 107TA2130

- Combination: 32
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 24,00 mm
- Pin length: 40,00 mm
- Tensile strength: 125 kN
- Weight: 4,20 kg/m



REF 139TA3672

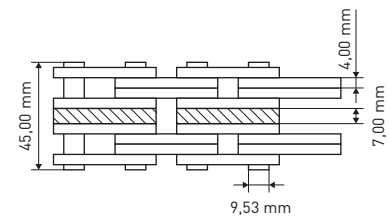
Matching cotterpin:
9,52 x 41,00 x 52,00 mm



Type BL844LKS

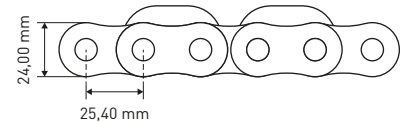
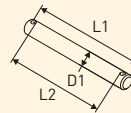
REF 107TA2134

- Combination: 24
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 24,00 mm
- Pin length: 45,00 mm
- Tensile strength: 213 kN
- Weight: 4,90 kg/m



REF 139TA4525

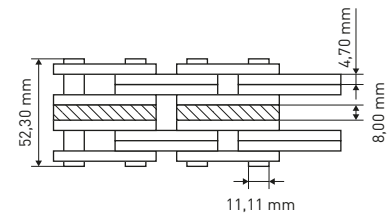
Matching cotterpin:
9,52 x 46,00 x 56,70 mm



Type BL1044KS

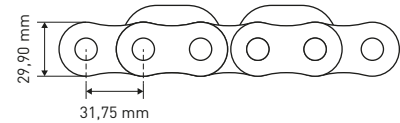
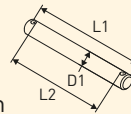
REF 139TA4560

- Combination: 24
- Pin diameter: 11,11 mm
- Plate thickness: 4,88 mm
- Plate depth: 29,60 mm
- Pin length: 52,20 mm
- Tensile strength: 303 kN
- Weight: 7,20 kg/m



REF 139TA4529

Matching cotterpin:
11,09 x 51,00 x 65,60 mm

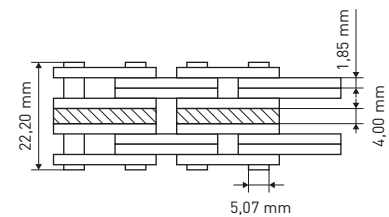


LEAF CHAINS WITH PLASTIC INSERTS - USED FOR JUNGHEINRICH

Type FU194K

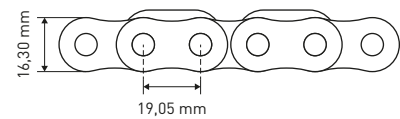
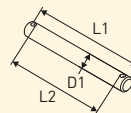
REF 107TA2025

- Combination: 21
- Pin diameter: 5,72 mm
- Plate thickness: 1,85 mm
- Plate depth: 16,30 mm
- Pin length: 22,20 mm
- Tensile strength: 85 kN
- Weight: 2,10 kg/m



REF 139TA4521

Matching cotterpin:
5,72 x 26,60 x 34,60 mm



Available in European OEM brand and Asian OEM brand.

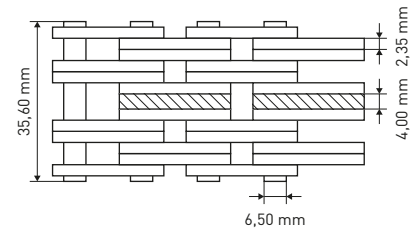
LEAF CHAINS

LEAF CHAINS WITH PLASTIC INSERTS - USED FOR JUNGHEINRICH

Type FU196SK

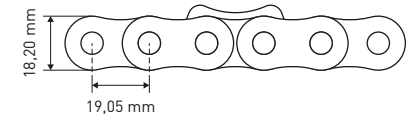
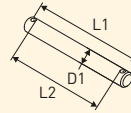
REF 107TA2099

- Combination: 22
- Pin diameter: 6,50 mm
- Plate thickness: 2,35 mm
- Plate depth: 18,20 mm
- Pin length: 35,60 mm
- Tensile strength: 99 kN
- Weight: 3 kg/m



REF 139TA4522

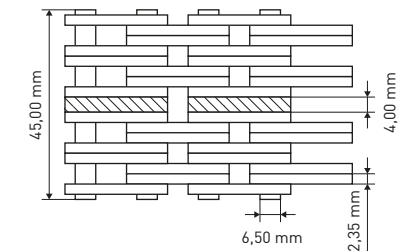
Matching cotterpin:
6,50 x 36,00 x 44,00 mm



Type FU198K

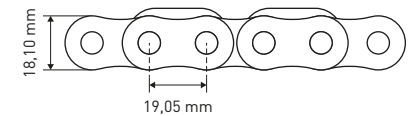
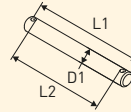
REF 122TA7312

- Combination: 35
- Pin diameter: 6,50 mm
- Plate thickness: 2,35 mm
- Plate depth: 18,10 mm
- Pin length: 45 mm
- Tensile strength: 138 kN
- Weight: 4,80 kg/m



REF 139TA4523

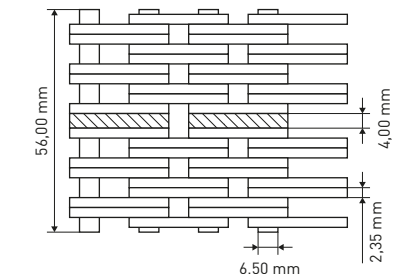
Matching cotterpin:
6,50 x 41,00 x 4,00 mm



Type FU191SK

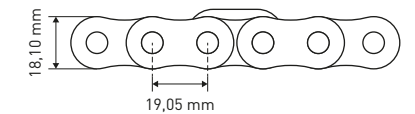
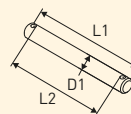
REF 111TA3479

- Combination: 34
- Pin diameter: 6,50 mm
- Plate thickness: 2,30 mm
- Plate depth: 18,10 mm
- Pin length: 56 mm
- Tensile strength: 215 kN



REF 139TA4528

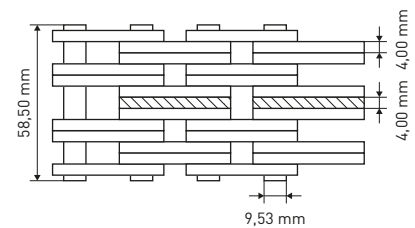
Matching cotterpin:
9,52 x 62,20 x 73,00 mm



Type BLK866

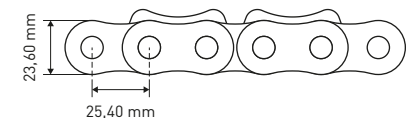
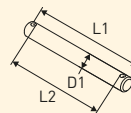
REF 139TA4560

- Combination: 38
- Pin diameter: 9,53 mm
- Plate thickness: 4,00 mm
- Plate depth: 23,60 mm
- Pin length: 58,50 mm
- Tensile strength: 315 kN
- Weight: 7,40 kg/m



REF 139TA4528

Matching cotterpin:
9,52 x 62,20 x 73,00 mm



















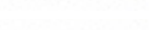








CHAINS FOR PORT EQUIPMENT

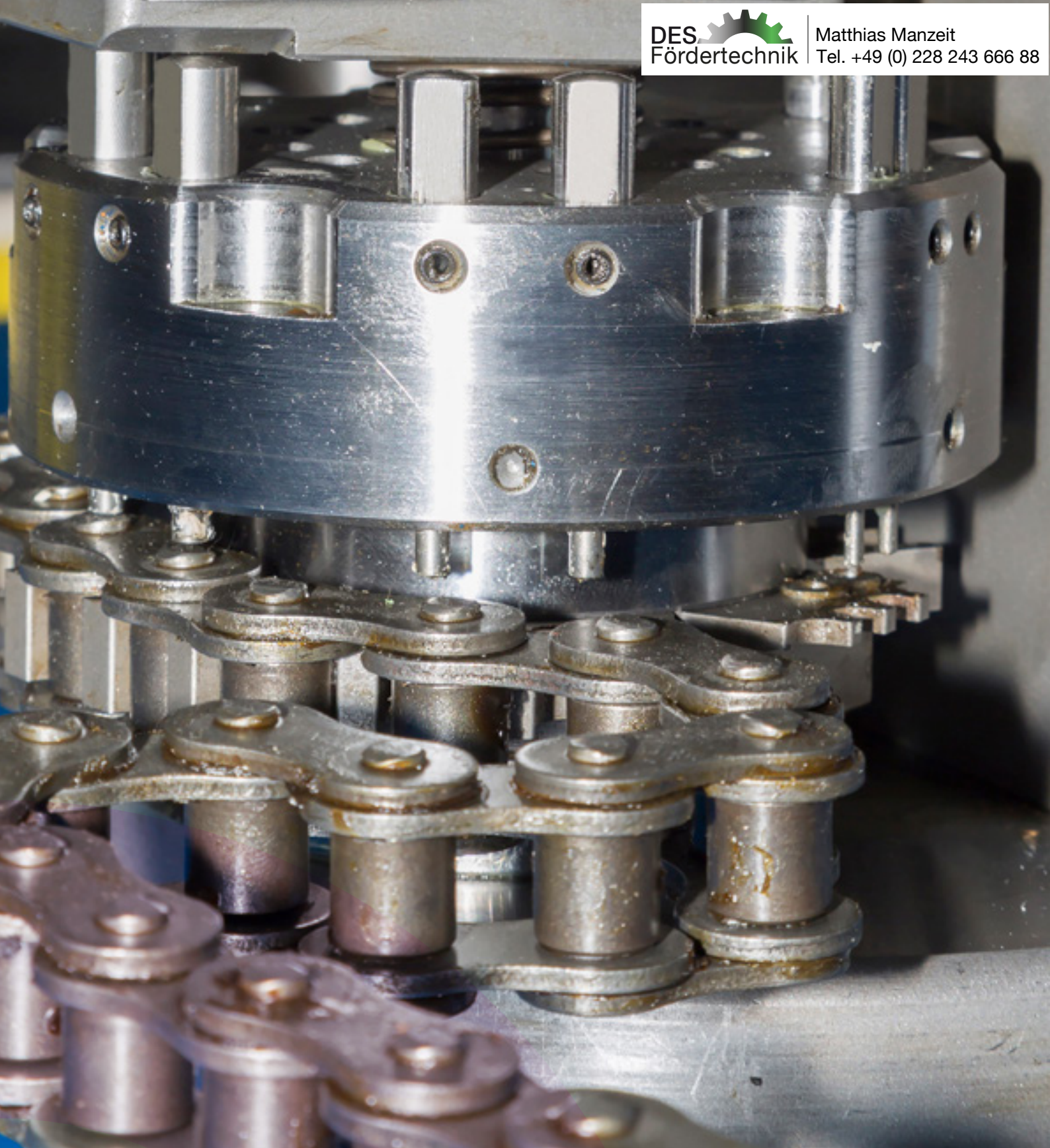
CHAINS FOR PORT EQUIPMENT

TVH stocks a wide range of renowned brands, such as Wippermann, Donghua and Rexnord. Every chain is supplied with a certificate that guarantees quality. Contact your sales advisor for other types of chains.

	Type	Brand	Combination / combination number	Pin diameter D2 (mm)	Plate thickness S (mm)	Plate depth H (mm)	Pin length B (mm)	Tensile strength (kN)	REF
	F3844	Rexnord	4 x 4 / 12	14,63	5,08	30,70	46,80	340	107TA2208
	F3866	Rexnord	6 x 6 / 13	14,63	5,00	33,00	68,30	510	107TA2214
	F388U	Wippermann	8 x 8 / 14	14,63	5,00	33,40	94,20	700	107TA2218
	F3888WU	Wippermann	8 x 8 / 15	14,63	5,00	33,40	94,20	700	107TA2221
	F5044	Wippermann	4 x 4 / 12	17,81	6,00	43,00	54,50	530	107TA2249
	BL1646	Rexnord	4 x 6 / 5	17,46	7,18	47,80	78,90	690	107TA2251
	BL1446	Rexnord	4 x 6 / 5	14,28	6,30	4,80	71,50	500	107TA2234
	BL1446	RexAthletic	4 x 6 / 5	14,28	6,30	4,80	71,50	500	164TA7755
	BL1666	Rexnord	6 x 6 / 13	17,46	7,18	47,80	93,80	1000	107TA2253
	BL1666	RexAthletic*	6 x 6 / 13	17,46	7,18	47,80	93,80	1000	163TA7855
	F5066	Rexnord	6 x 6 / 13	17,81	6,30	41,20	85,40	780	107TA2254
	F506U	Wippermann	6 x 6 / 13	17,81	6,00	43,00	87,20	800	107TA2256
	BL1688	Rexnord	8 x 8 / 14	17,46	7,18	47,80	126,00	1300	107TA2258
	F5088	Rexnord	8 x 8 / 14	17,81	6,30	41,20	112,00	1040	107TA2260
	F5088	Wippermann	8 x 8 / 14	17,81	6,00	43,00	105,50	1050	107TA2261
	F508U	Wippermann	8 x 8 / 14	17,81	6,00	43,00	111,20	1050	107TA2262
	F6366	Rexnord	6 x 6 / 13	22,89	8,00	48,00	106,50	1080	107TA2270
	F636U	Wippermann	6 x 6 / 13	22,89	8,00	52,00	112,20	1270	107TA2274
	F638U	Wippermann	8 x 8 / 14	22,89	8,00	52,00	146,00	1690	107TA2279
	16B1	Donghua		8,28	20,50		35,40	60	107TA2308
	ASA160-2	Donghua		14,27	47,80		122,10	453,6	107TA2344

* Increased wear-resistance compared to standard chain.





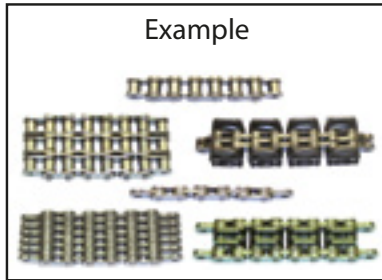
ROLLER CHAINS AND SPROCKETS



ROLLER CHAINS AND SPROCKETS

ROLLER CHAINS – TECHNICAL SHEETS – ENGLISH

Group
10-01-03-00



Customer details

Type machine:

Price inquiry

Serial n° machine:

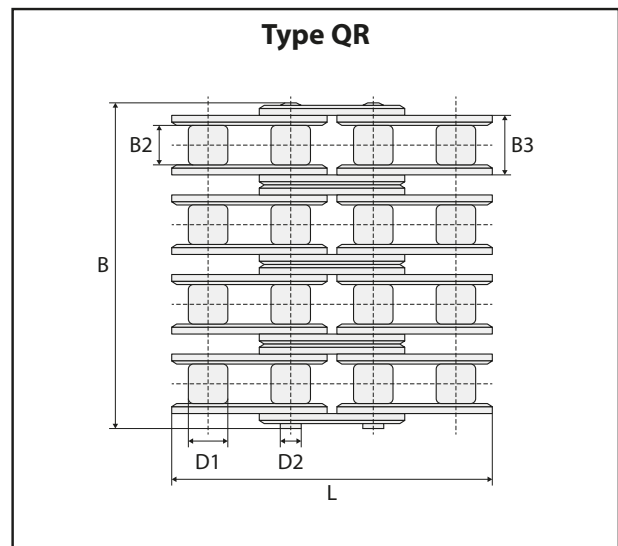
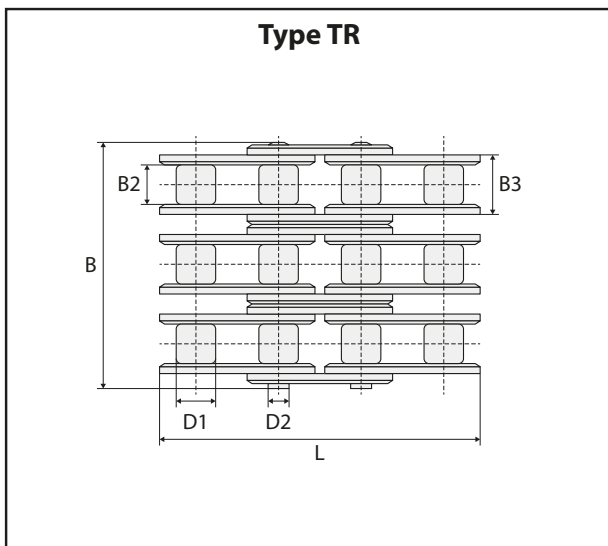
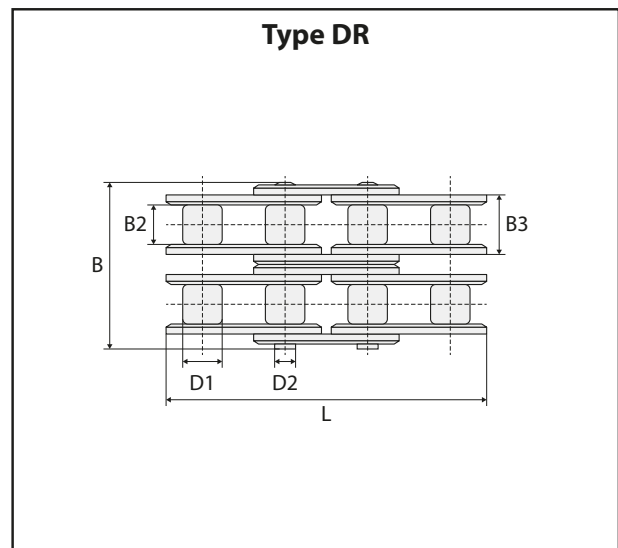
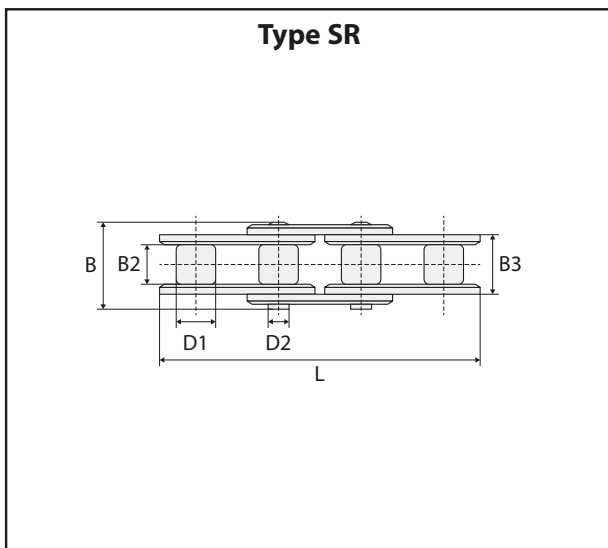
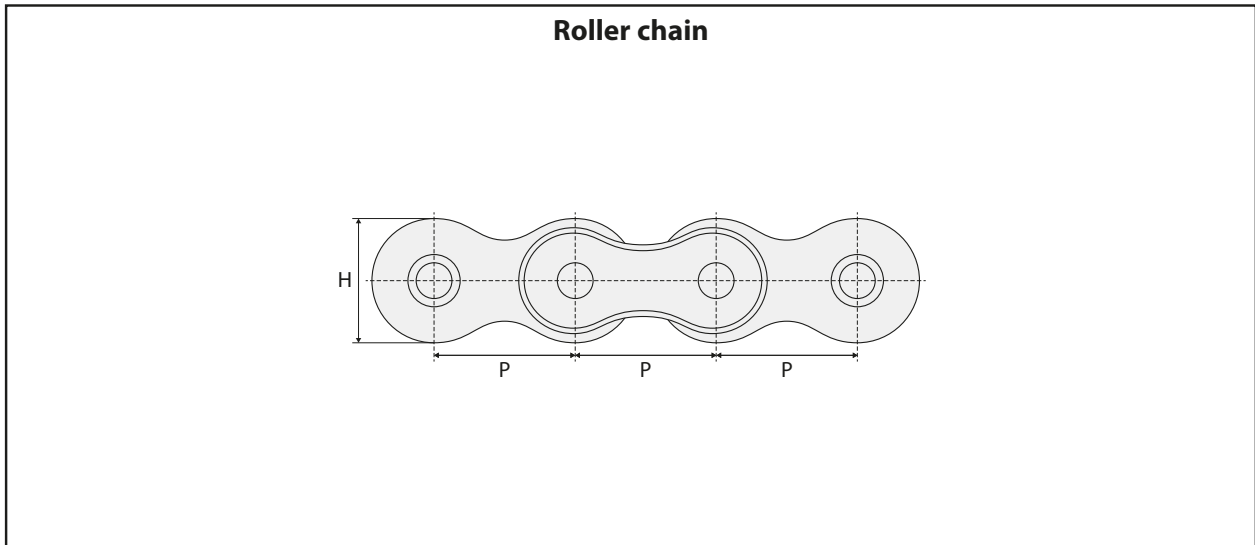
Order

CODE : TY-K x H x P x L x B x B2 x B3 x D1 x D2 x S x TY-SK x MAT x KIT x F1 x F2 x F3 x F4

- TY-K..... Type of chain:
 - SR = simplex roller chain
 - DR = duplex roller chain
 - TR = triplex roller chain
 - QR = quadruplex roller chain
 - SK = leaf chain
- H..... Total height.
- P..... Pitch length.
- L..... Total length.
- B..... Total width.
- B2..... Inner link width.
- B3..... Inner width.
- D1 Roller diameter.
- D2 Pin diameter.
- S..... Plate thickness.
- TY-SK Type of leaf chain, see combinations.
- MAT..... Material:
 - ST = steel
 - SS = stainless steel
 - DA = dachromat (zinc plated)
- KIT YES/NO, if chain lock(s) and/or chain anchor(s) are present.
- F1..... Nominal breaking load, in kN.
- F2..... Actual breaking load, in kN.
- F3..... Test load, in kN.
- F4..... Save working load, in kN/1 000 000 cycles.

ROLLER CHAINS - TECHNICAL SHEETS - ENGLISH

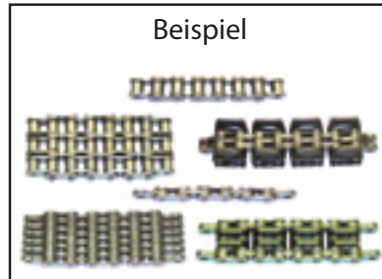
DIMENSIONS



ROLLER CHAINS – TECHNICAL SHEETS – GERMAN

KETTEN

Gruppe
10-01-03-00



Kundendaten

Maschinentyp:

Preis Anfrage

Serien-Nr. Maschine:

Bestellung

CODE : TY-K x H x P x L x B x B2 x B3 x D1 x D2 x S x TY-SK x MAT x KIT x F1 x F2 x F3 x F4

- TY-K..... Kettentyp:
SR = Simplex Rollenkette
DR = Duplex Rollenkette
TR = Triplex Rollenkette
QR = Quadruplex Rollenkette
SK = Flyerkette
- H..... Gesamthöhe.
 P..... Teilung.
 L..... Gesamtlänge.
 B..... Gesamtbreite.
 B2..... Breite Kettenglied.
 B3..... Breite.
 D1 Rollendurchmesser.
 D2 Bolzendurchmesser.
 S..... Blechstärke.
 TY-SK Typ Flyerkette, siehe Kombinationen.
 MAT..... Material:
ST = Stahl
SS = Inox
DA = Dachromat (galvanisch verzinkt)
- KIT JA/NEIN, wenn Kettenschloss(schlösser) und/oder Kettenanker vorhanden sind.
- F1..... Nominale Bruchkraft, in kN.
 F2..... Reelle Bruchkraft, in kN.
 F3..... Testkraft, in kN.
 F4..... Maximale Belastung, in kN/1 000 000 Zyklus.

Siehe technische Datenblätter auf Englisch.

ROLLER CHAINS										
Type	Pitch P (mm)	Inner width B3 min (mm)	Roller diameter D1 max (mm)	Pin diameter D2 max (mm)	Inner width B2 max (mm)	Plate height H max (mm)	Pin length L max (mm)	Strength FB (kN)	Weight q (kg/m)	
Simplex chain										
05B1	8,000	3,00	5,00	2,31	4,77	7,10	8,60	5,00	0,18	107TA2287
ASA25	6,350	3,18	3,30	2,31	4,68	6,00	9,10	3,50	0,13	107TA2288
ASA35	9,525	4,68	5,08	3,58	7,47	9,00	12,00	7,90	0,33	107TA2290
06B1	9,525	5,72	6,35	3,28	8,53	8,30	13,50	9,00	0,41	107TA2291
81	12,700	3,30	7,75	3,65	5,80	9,90	10,20	8,20	0,28	107TA2292
83	12,700	4,88	7,75	4,09	7,90	10,30	12,90	12,00	0,42	107TA2295
84	12,700	4,88	7,75	4,09	8,80	11,10	14,80	16,00	0,59	107TA2296
85	12,700	6,38	7,77	3,58	9,07	9,90	14,00	6,80	0,38	107TA2297
08B1	12,700	7,75	8,51	4,45	11,30	11,60	16,70	18,00	0,70	107TA2298
ASA40	12,700	7,85	7,95	3,96	11,15	11,60	16,30	14,10	0,62	107TA2299
ASA50	15,875	9,40	10,16	5,08	13,80	14,60	20,30	22,20	1,01	107TA2300
10B1	15,875	9,65	10,16	5,08	13,28	14,60	18,90	22,40	0,90	107TA2301
12B1	19,050	11,68	12,07	5,72	15,62	15,90	22,30	29,00	1,15	107TA2302
ASA60	19,050	12,57	11,91	5,94	17,70	17,70	25,70	31,80	1,48	107TA2303
ANSI65	19,050	12,70	9,00	5,94	17,75	17,70	25,70	31,80	1,20	107TA2304
Works specs.	25,400	12,70	19,05	10,17	25,70	24,00	40,10	120,00	4,40	107TA2305
ASA80	25,400	15,75	15,88	7,92	22,50	23,50	33,00	56,70	2,60	107TA2307
16B1	25,400	17,02	15,88	8,28	25,40	20,50	35,40	60,00	2,60	107TA2308
ASA85	25,400	15,88	11,67	7,92	22,61	23,60	33,00	56,70	2,18	107TA2309
ASA100	31,750	18,90	19,05	9,53	27,40	29,20	39,40	88,50	3,76	107TA2310
ASA105	31,750	19,05	13,84	9,53	27,46	29,20	39,40	88,50	3,18	107TA2311
20B1	31,750	19,56	19,05	10,19	29,00	25,70	40,40	95,00	3,70	107TA2312
ASA120	38,100	25,22	22,23	11,10	35,30	34,40	49,80	127,00	5,50	107TA2313
24B1	38,100	25,40	25,40	14,63	37,90	33,00	53,80	160,00	6,90	107TA2314
ASA140	44,450	25,22	25,40	12,70	37,00	40,80	53,40	172,40	7,20	107TA2315
28B1	44,450	30,99	27,94	15,90	46,50	37,00	63,30	200,00	8,60	107TA2316
32B1	50,800	30,99	29,21	17,81	45,50	41,20	65,10	250,00	9,50	107TA2317
ASA160	50,800	31,55	28,58	14,27	45,00	47,80	63,60	226,80	10,30	107TA2318
ASA180	57,150	35,72	35,72	17,46	50,50	54,00	71,30	282,00	14,00	107TA2319
ASA200	63,500	37,85	39,68	19,84	54,70	60,00	78,00	353,80	16,80	107TA2320
40B1	63,500	38,10	39,37	22,89	55,70	51,50	78,90	355,00	15,10	107TA2321
48B1	76,200	45,72	48,26	29,24	70,50	63,50	98,50	560,00	24,50	107TA2322
ASA240	76,200	47,35	47,63	23,80	67,50	70,00	94,80	510,30	25,00	107TA2323
56B-1	88,900	53,34	53,98	34,32	81,30	77,00	114,70	850,00	36,50	107TA2324
Duplex roller chain										
05B2	8,000	3,00	5,00	2,31	4,77	7,10	14,30	8,00	0,36	107TA2326
ASA35-2	9,525	4,68	5,08	3,58	7,47	8,30	22,10	15,80	0,65	107TA2327
06B2	9,525	5,72	6,35	3,28	8,53	8,30	23,80	16,00	0,78	107TA2328
08B2	12,700	7,75	8,51	4,45	11,30	11,60	30,60	32,00	1,40	107TA2329
ASA40-2	12,700	7,85	7,95	3,96	11,15	11,60	30,70	28,20	1,22	107TA2330
Works specs.	12,700	5,21	8,51	4,45	8,74	11,80	25,40	32,00	1,18	111TA3481
ASA50-2	15,875	9,40	10,16	5,08	13,80	14,60	38,50	44,40	2,00	107TA2331
10B2	15,875	9,65	10,16	5,08	13,28	14,60	35,50	40,00	1,80	107TA2332

ROLLER CHAINS AND SPROCKETS

ROLLER CHAINS										
Type	Pitch P (mm)	Inner width B3 min (mm)	Roller diameter D1 max (mm)	Pin diameter D2 max (mm)	Inner width B2 max (mm)	Plate height H max (mm)	Pin length L max (mm)	Strength FB (kN)	Weight q (kg/m)	
12B2	19,05	11,68	12,07	5,72	15,62	15,90	41,70	53,00	2,30	107TA2333
ASA60-2	19,05	12,57	11,91	5,94	17,70	17,70	48,50	63,60	2,95	107TA2334
ASA80	25,40	15,75	15,88	7,92	22,50	23,50	33,00	56,70	2,60	107TA2306
ASA80-2	25,40	15,75	15,88	7,92	22,50	23,50	62,40	113,40	5,20	107TA2335
16B2	25,40	17,02	15,88	8,28	25,40	20,50	67,40	106,00	5,30	107TA2336
ASA100-2	31,75	18,90	19,05	9,53	27,40	29,20	75,30	177,00	7,60	107TA2337
20B2	31,75	19,56	19,05	10,19	29,00	25,70	76,90	170,00	7,25	107TA2338
ASA120-2	38,10	25,22	22,23	11,10	35,30	34,40	95,30	254,00	10,80	107TA2339
24B2	38,10	25,40	25,40	14,63	37,90	33,00	102,20	280,00	13,75	107TA2340
ASA140-2	44,45	25,22	25,40	12,70	37,00	40,80	103,30	344,80	14,20	107TA2341
28B2	44,45	30,99	27,94	15,90	46,50	37,00	122,80	360,00	17,30	107TA2342
32B2	50,80	30,99	29,21	17,81	46,50	41,20	123,60	450,00	18,80	107TA2343
ASA160-2	50,80	31,55	28,58	14,27	45,00	47,80	122,10	453,60	19,50	107TA2344
ASA180-2	57,15	35,72	35,72	17,46	50,60	54,00	136,70	564,00	27,00	107TA2345
ASA200-2	63,50	37,85	39,68	19,84	54,70	60,00	149,60	707,60	32,70	107TA2346
40B2	63,50	38,10	39,37	22,89	55,70	51,50	151,20	630,00	29,90	107TA2347
48B2	76,20	45,72	48,26	29,24	70,50	63,50	189,70	1000,00	48,60	107TA2348
ASA240-2	76,20	47,35	47,63	23,80	67,50	70,00	182,70	1020,60	49,40	107TA2349
56B-2	88,90	53,34	53,98	34,32	81,30	77,00	221,30	1600,00	72,50	107TA2350
Triplex roller chain										
ASA35-3	9,525	4,68	5,08	3,58	7,47	8,30	32,30	23,70	0,97	107TA2351
06B3	9,525	5,72	6,35	3,28	8,53	8,30	34,00	23,60	1,18	107TA2352
08B3	12,700	7,75	8,51	4,45	11,30	11,60	44,60	47,50	2,10	107TA2353
ASA40-3	12,700	7,85	7,95	3,96	11,15	11,60	45,10	42,30	1,83	107TA2354
ASA50-3	15,875	9,40	10,16	5,08	13,80	14,60	56,70	66,60	2,97	107TA2355
10B3	15,875	9,65	10,16	5,08	13,28	14,60	52,20	60,00	2,60	107TA2356
12B3	19,050	11,68	12,07	5,72	15,62	15,90	61,30	80,00	3,40	107TA2357
ASA60-3	19,050	12,57	11,91	5,94	17,70	17,70	71,40	95,40	4,35	107TA2358
ASA80-3	25,400	15,75	15,88	7,92	22,50	23,50	91,70	170,10	7,90	107TA2359
16B3	25,400	17,02	15,88	8,28	25,40	20,50	99,30	160,00	7,80	107TA2360
ASA100-3	31,750	18,90	19,05	9,53	27,40	29,20	111,10	265,50	11,40	107TA2361
20B3	31,750	19,56	19,05	10,19	29,00	25,70	113,40	250,00	10,85	107TA2362
ASA120-3	38,100	25,22	22,23	11,10	35,30	34,40	140,70	381,00	15,80	107TA2363
24B3	38,100	25,40	25,40	14,63	37,90	33,00	150,50	425,00	20,50	107TA2364
ASA140-3	44,450	25,22	25,40	12,70	37,00	40,80	151,20	517,20	21,50	107TA2365
28B3	44,450	30,99	27,94	15,90	46,50	37,00	182,30	530,00	25,75	107TA2366
32B3	50,800	30,99	29,21	17,81	45,50	41,20	182,20	670,00	27,95	107TA2367
ASA160-3	50,800	31,55	28,58	14,27	45,00	47,80	180,70	680,40	26,30	107TA2368
ASA180-3	57,150	35,72	35,72	17,46	50,60	54,00	202,00	846,00	40,50	107TA2369
ASA200-3	63,500	37,85	39,68	19,84	54,70	60,00	221,10	1061,40	48,80	107TA2370
40B3	63,500	38,10	39,37	22,89	55,70	51,50	223,50	950,00	44,80	107TA2371
48B3	76,200	45,72	48,26	29,24	70,50	63,50	281,00	1500,00	72,50	107TA2372
ASA240-3	76,200	47,35	47,63	23,80	67,50	70,00	270,60	1530,90	74,10	107TA2373
56B-3	88,900	53,34	53,98	34,32	81,30	77,00	328,00	2240,00	109,00	107TA2374

ROLLER CHAINS AND SPROCKETS

SMALL PITCH PRECISION ROLLER CHAINS – EUROPEAN SERIES

SMALL PITCH PRECISION ROLLER CHAINS – EUROPEAN SERIES



Type	REF 5-metre box	REF connecting link	REF offset link	REF double offset link
Simplex roller chains				
04B1	115TA3584	115TA3594	115TA3604	115TA3614
05B1	115TA3585	115TA3595	115TA3605	115TA3615
06B1	115TA3586	115TA3596	115TA3606	115TA3616
08B1	115TA3587	115TA3597	115TA3607	115TA3617
10B1	115TA3588	115TA3598	115TA3608	115TA3618
12B1	115TA3589	115TA3599	115TA3609	115TA3619
16B1	115TA3590	115TA3600	115TA3610	115TA3620
20B1	115TA3591	115TA3601	115TA3611	115TA3621
24B1	115TA3592	115TA3602	115TA3612	
28B1	115TA3593	115TA3603	115TA3613	
Duplex roller chains				
05B2	115TA3622	115TA3631	115TA3640	115TA3646
06B2	115TA3623	115TA3632	115TA3641	115TA3647
08B2	115TA3624	115TA3633	115TA3642	115TA3648
10B2	115TA3625	115TA3634	115TA3643	115TA3649
12B2	115TA3626	115TA3635	115TA3644	115TA3650
16B2	115TA3627	115TA3636	115TA3645	115TA3651
20B2	115TA3628	115TA3637		
24B2	115TA3629	115TA3638		
28B2	115TA3630	115TA3639		
Triplex roller chains				
06B3	115TA3652	115TA3660	115TA3668	115TA3673
08B3	115TA3653	115TA3661	115TA3669	115TA3674
10B3	115TA3654	115TA3662	115TA3670	115TA3675
12B3	115TA3655	115TA3663	115TA3671	115TA3676
16B3	115TA3656	115TA3664	115TA3672	115TA3677
20B3	115TA3657	115TA3665		
24B3	115TA3658	115TA3666		
28B3	115TA3659	115TA3667		

SMALL PITCH PRECISION ROLLER CHAINS – AMERICAN STANDARD

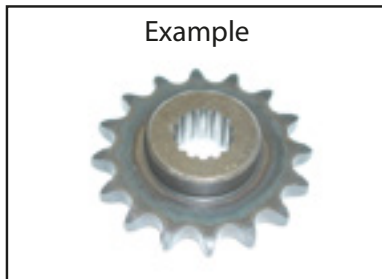


Type	REF 5-metre box	REF connecting link
Simplex roller chains		
ASA 25	<u>115TA3678</u>	<u>115TA3691</u>
ASA 35	<u>115TA3679</u>	<u>115TA3692</u>
ASA 40	<u>115TA3680</u>	<u>115TA3693</u>
ASA 41	<u>115TA3681</u>	<u>115TA3694</u>
ASA 50	<u>115TA3682</u>	<u>115TA3695</u>
ASA 60	<u>115TA3683</u>	<u>115TA3696</u>
ASA 80	<u>115TA3684</u>	<u>115TA3697</u>
ASA 100	<u>115TA3685</u>	<u>115TA3698</u>
ASA 120	<u>115TA3689</u>	<u>115TA3699</u>
ASA 140	<u>115TA3690</u>	<u>115TA3700</u>
ASA 160	<u>115TA3686</u>	<u>115TA3701</u>
ASA 200	<u>115TA3687</u>	<u>115TA3702</u>
ASA 240	<u>115TA3688</u>	<u>115TA3703</u>
Duplex roller chains		
ASA 35-2	<u>115TA3704</u>	<u>115TA3715</u>
ASA 40-2	<u>115TA3705</u>	<u>115TA3716</u>
ASA 50-2	<u>115TA3706</u>	<u>115TA3717</u>
ASA 60-2	<u>115TA3707</u>	<u>115TA3718</u>
ASA 80-2	<u>115TA3708</u>	<u>115TA3719</u>
ASA 100-2	<u>115TA3709</u>	<u>115TA3720</u>
ASA 120-2	<u>115TA3710</u>	<u>115TA3721</u>
ASA 140-2	<u>115TA3711</u>	<u>115TA3722</u>
ASA 160-2	<u>115TA3712</u>	<u>115TA3723</u>
ASA 200-2	<u>115TA3713</u>	<u>115TA3724</u>
ASA 240-2	<u>115TA3714</u>	<u>115TA3725</u>

SMALL PITCH PRECISION ROLLER CHAINS – AMERICAN STANDARD

SPROCKETS - TECHNICAL SHEETS - ENGLISH

Group
09-02-06-00



Customer details

Type machine:

Price inquiry

Serial n° machine:

Order

CODE: TY-TW x D1 x B1 x Z x H x L x TY-BV x D2 x D3 x B2 x AC x LB



TY-TW..... Type of chain gear.

D1 Diameter gear, as per measurement scheme.

B1..... Dimension.

Z..... Number of teeth.

H..... Dimension, see types.

L..... Dimension between gears, see picture.

TY-BV Type of inner mounting.

D2 Dimension, see types inner mounting.

D3 Dimension, see types inner mounting.

B2..... Dimension, see types inner mounting.

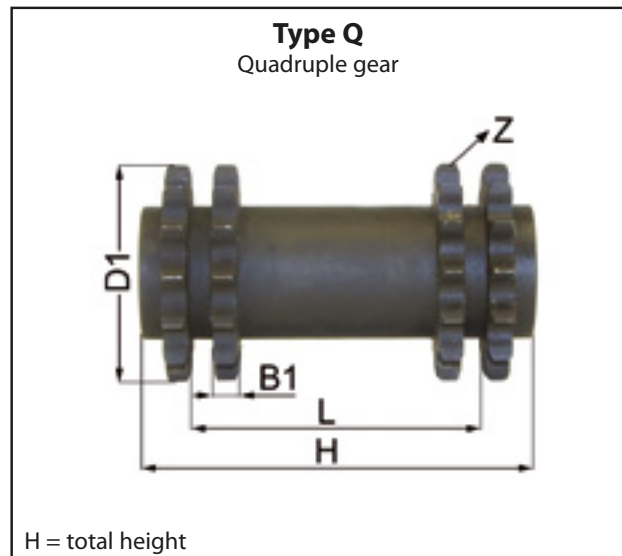
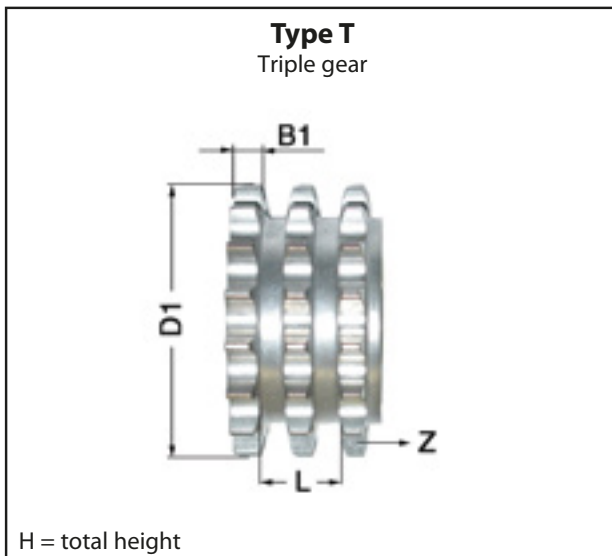
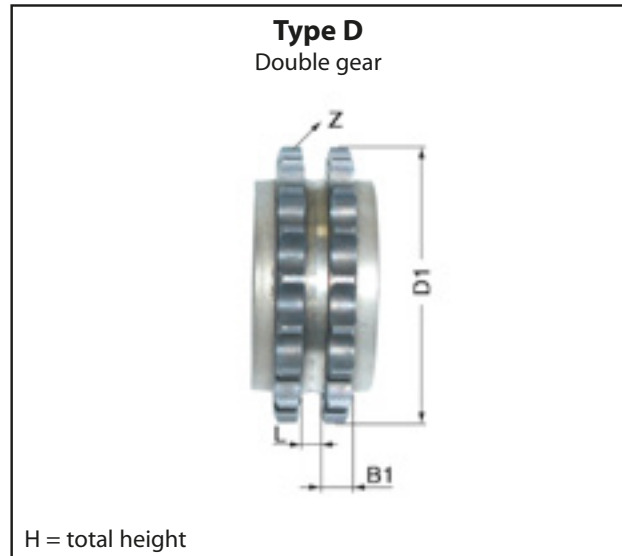
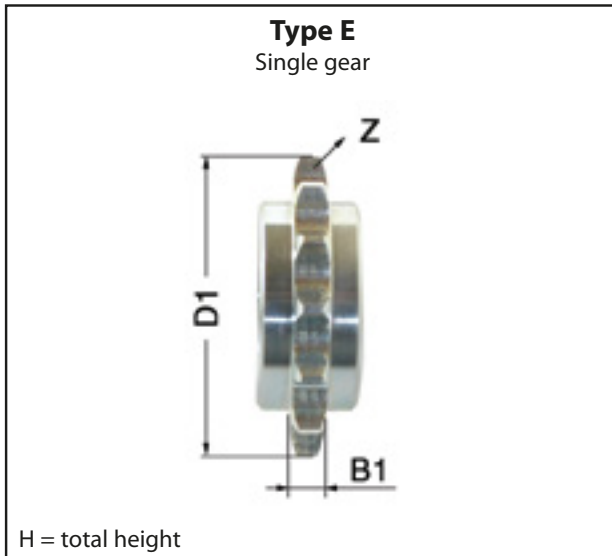
AC Number of splines inner mounting.

LB..... Bearing or bush: YES/NO.

ATTENTION: if bush or bearing, D2: inner diameter of bush or bearing.

SPROCKETS - TECHNICAL SHEETS - ENGLISH

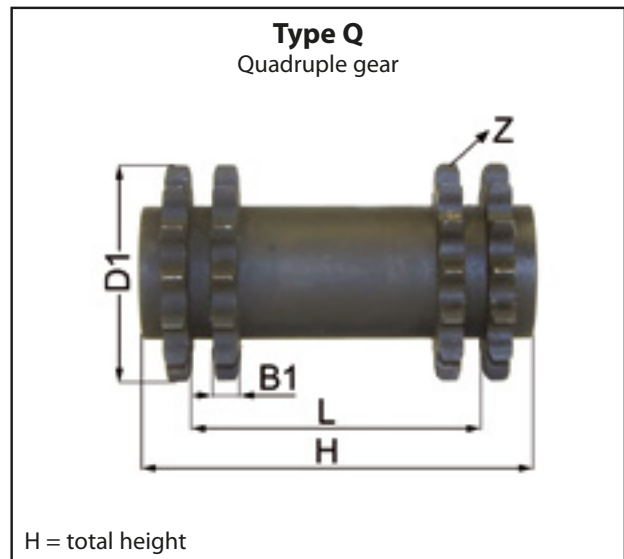
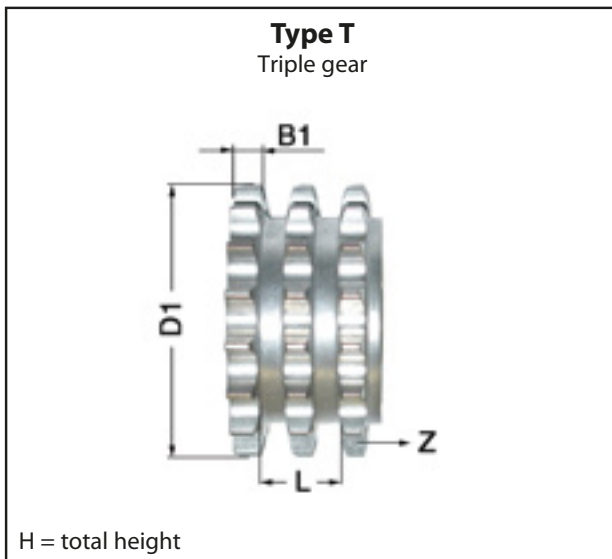
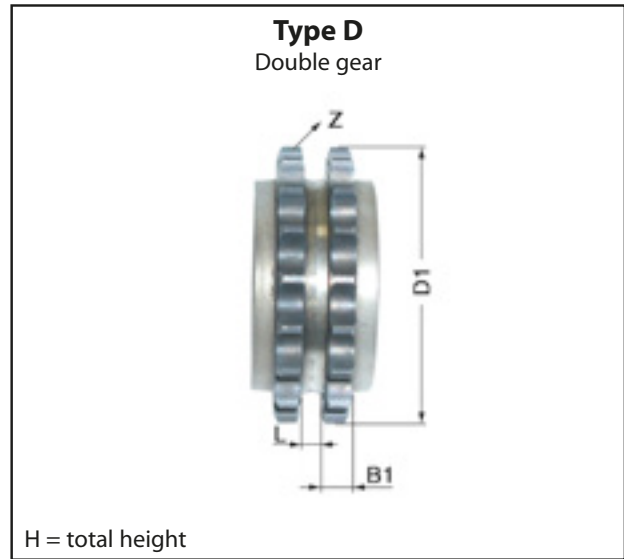
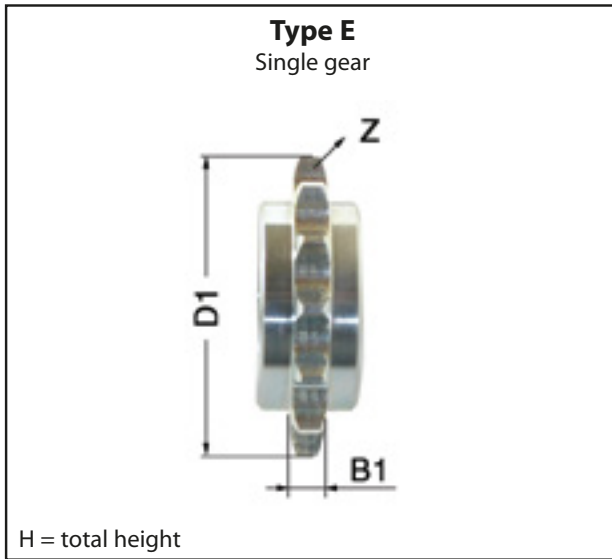
DIMENSIONS



NOTE: if 2 different gears, measure the largest.

SPROCKETS - TECHNICAL SHEETS - ENGLISH

DIMENSIONS



NOTE: if 2 different gears, measure the largest.

SPROCKETS - TECHNICAL SHEETS - GERMAN

KETTENZAHNRAD

Gruppe
09-02-06-00



Kundendaten

Maschinentyp:

Preis Anfrage

Serien-Nr. Maschine:

Bestellung

CODE: TY-TW x D1 x B1 x Z x H x L x TY-BV x D2 x D3 x B2 x AC x LB

TY-TW..... Kettenzahnradtyp.

D1 Durchmesser Zahnrad, (siehe Schema).

B1..... Maß.

Z..... Anzahl Zähne.

H..... Maß, siehe Typen.

L Maß zwischen den Zahnradern, siehe Figur.

TY-BV Innerer Befestigungstyp.

D2 Maß, siehe innere Befestigungstypen.

D3 Maß, siehe innere Befestigungstypen.

B2..... Maß, siehe innere Befestigungstypen.

AC Verzählung innere Befestigung.

LB..... Lager oder Buchse vorhanden: JA/NEIN.

ACHTUNG: wenn ein Lager oder eine Buchse vorhanden ist, nehmen Sie für D2 den Innendurchmesser der Buchse oder des Lagers.

Siehe technische Datenblätter auf Englisch.





CHAIN ANCHORS



CHAIN ANCHORS – TECHNICAL SHEETS – GERMAN

KETTENANKER

Gruppe
10-01-06-00



Kundendaten

Maschinentyp: Preisanfrage
Serien-Nr. Maschine: Bestellung

CODE: TY-TK x L1 x TA x Pm x Pi x RH/LH x L2 x D1 x D2 x AT-GL x LG-GL x B1 x B2 x B3 x
TY-K1 x TY-K2 x SL

- TY-KT Kettenankertyp, siehe Abbildungen.
- L1..... Gesamtlänge, in Kettenrichtung gemessen.
- TA Gewindetyp, wenn vorhanden.
- Pm..... Gewinde (metrisch).
- Pi Gewinde (Zoll).
- RH/LH..... Rechtes oder linkes Gewinde.
- L2..... Gewindelänge.
Wenn kein Gewinde, dann wird L2 quer zu L1 und D1 gemessen.
- D1 Durchmesser für den Kettenbolzen.
- D2 Siehe Abbildungen.
- AT-GL..... Spaltenanzahl.
- LG-GL..... Spaltenlage – siehe Darstellung.
- B1..... Maß, siehe Abbildungen.
- B2..... Kleinster Spaltenabstand.
- B3..... Größter Spaltenabstand.
- TY-K1 Kettentyp.
- TY-K2 Kettentyp.
- SL..... Gibt es ein Schloß? JA/NEIN.

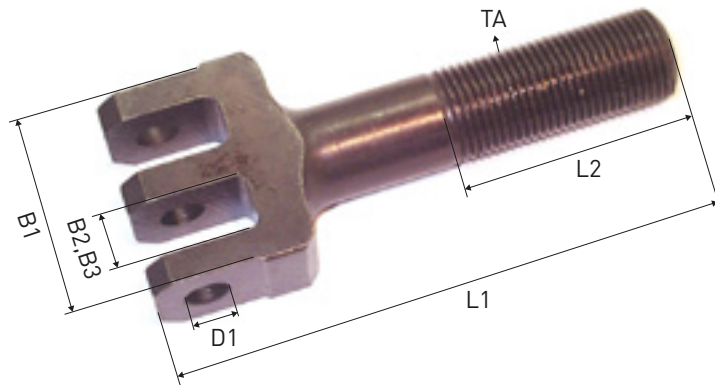
Siehe technische Datenblätter auf Englisch.

CHAIN ANCHORS – TECHNICAL SHEETS – GERMAN

CHAIN ANCHORS

CHAIN ANCHORS

TYPE NU



L1 (mm)	TA	Pm	L2 (mm)	D1 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	Remark	REF
108,00	5/8 UNF		80,00	5,50	4	U	26,00	2,00	AL466		139TA5432
121,00	5/8 UNF		89,00	5,00	2	U	31,75	6,90	AL544		139TA5433
130,00	M18	2,50	85,00	5,00	3	U	30,00	4,50	AL566		113TA1787
155,00	M16	2,00	68,00	5,00	3	U	28,50	4,50	AL566		139TA5434
160,50	M20	1,50	117,00	10,00	2	I	23,50	5,00	AL644	Oval plates	139TA5435
180,00	M12	1,75	100,00	6,00	3	U	27,00	3,20	AL644		106TA7842
236,00	M16	2,00	150,00	8,00	1	U	17,50	6,50	AL822		139TA5436
220,00	M16	2,00	175,00	8,00	1	I	18,50	7,00	AL844		106TA7834
199,00	1 UNF		113,00	8,00	3	U	50,70	7,20	AL866		139TA5437
310,00	M20	1,50	255,00	9,50	2	U	39,40	8,30	AL1044		139TA5438
213,00	M24	1,50	135,00	14,25	2	I	39,50	8,50	AL1066		139TA5439
250,00	M20	1,50	160,00	9,80	3	U	46,50	7,50	AL1066	BL866	139TA5440
204,00	1 1/2 UNF		135,00	11,40	3	U	82,80	10,20	AL1288		139TA5441
166,00	7/8 UNF		116,00	11,00	1	I	16,60	3,60	AN834		113TA1845
153,00	1 1/4 UNF		90,00	11,00	3	U	50,70	6,90	AN866		139TA5442
171,00	M12	1,50	117,50	5,00	2	U	20,00	4,50	BL434		113TA1732
68,00	M12	1,50	24,50	5,00	2	U	20,00	4,50	BL434		113TA1734
132,20	M12	1,50	92,00	5,00	2	U	18,80	4,20	BL444		139TA5443
140,50	M16	2,00	94,50	5,75	2	I	24,80	4,00	BL466	AL566	139TA5444
85,70	M10	1,50	19,00	6,00	1	U	14,00	5,40	BL522		139TA5445
70,20	M16	1,50	36,50	6,00	1	I	12,00	2,65	BL534		139TA5446
90,60	M18	1,50	61,50	6,00	1	I	12,00	2,80	BL534		139TA5447
93,50	M14	1,50	46,00	6,00	1	I	12,00	2,70	BL534		139TA5448
103,00	M14	1,50	72,00	6,00	1	I	12,20	2,60	BL534		139TA5449
122,70	M16	1,50	98,50	6,00	1	I	12,00	2,70	BL534		139TA5450
145,10	M14	1,50	115,85	6,00	1	I	12,20	2,80	BL534		139TA5451
187,60	M16	1,50	154,00	6,00	1	I	12,20	2,70	BL534		139TA5452
203,00	M14	1,50	170,00	6,00	1	I	12,00	3,00	BL534		139TA5453
210,00	M16	1,50	178,00	6,00	1	I	12,00	2,70	BL534		139TA5454
218,00	M14	1,50	170,00	6,00	1	I	12,20	2,80	BL534		139TA5455
250,00	M16	1,50	0,00	6,00	1	I	12,00	2,75	BL534		139TA5456
80,15	M14	1,50	25,00	6,00	2	U	23,60	5,00	BL534		139TA5457
110,50	M14	2,00	74,00	6,00	2	U	20,00	5,00	BL534		139TA5458
115,00	M16	2,00	79,00	6,00	2	U	23,00	5,40	BL534		139TA5459
121,00	M12	1,75	79,00	6,00	2	U	20,30	5,00	BL534		139TA5460
153,00	5/8 UNF		97,00	6,00	2	U	12,70	5,20	BL534		139TA5461

CHAIN ANCHORS

CHAIN ANCHORS

TYPE NU											
L1 (mm)	TA	Pm	L2 (mm)	D1 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	Remark	REF
155,00	M14	1,50	100,00	6,00	2	U	23,60	5,20	BL534		139TA5462
175,00	M14	1,50	90,00	6,00	2	U	25,00	5,00	BL534		139TA5463
212,00	M14	1,50	140,00	6,00	2	U	23,80	5,00	BL534		139TA5464
85,00	M14	1,50	21,00	6,00	2	U	23,60	5,00	BL544	AL644	139TA5465
90,00	M16	2,00	50,00	6,00	2	U	23,00	5,00	BL544		139TA5466
110,00	M14	2,00	74,00	6,00	2	U	25,00	5,00	BL544		129TA8623
122,50	M14	1,50	75,00	6,00	2	U	22,30	5,30	BL544		139TA5467
125,00	M12	1,25	101,50	6,00	2	U	24,00	5,30	BL544		139TA5468
125,00	M16	2,00	62,00	6,00	2	U	22,50	5,40	BL544		139TA5469
129,00	M16	1,50	72,00	6,00	2	U	22,40	5,20	BL544		139TA5470
150,00	M16	2,00	69,00	6,00	2	U	23,60	5,00	BL544		139TA5471
150,40	M12	1,75	100,00	6,00	2	U	22,90	5,20	BL544		139TA5472
160,00	M14	1,50	115,00	6,00	2	U	22,30	5,00	BL544		139TA5473
177,00	M12	1,75	100,00	6,00	2	U	22,20	5,30	BL544		139TA5474
178,30	M12	1,75	99,00	6,00	2	U	22,20	5,30	BL544		139TA5475
181,50	M14	1,50	135,00	6,00	2	U	22,40	5,20	BL544		139TA5476
202,00	M12	1,75	160,00	6,00	2	U	24,00	5,25	BL544	BL566	139TA5477
80,00	1/2 UNF		39,00	6,00	2	U	31,75	7,75	BL546		139TA5478
83,00	M16	1,50	29,00	6,00	2	U	29,00	7,90	BL546		139TA5479
101,60	5/8 UNF		55,00	6,00	2	U	0,00	8,00	BL546		139TA5480
105,00	5/8 UNF		51,00	6,00	2	U	20,00	8,00	BL546		139TA5481
135,00	5/8 UNF		83,00	6,00	2	U	31,60	8,00	BL546		139TA5482
139,50	M16	1,50	89,50	6,00	2	U	29,00	8,00	BL546		139TA5483
140,00	1/2 UNF		96,00	6,00	2	U	20,50	7,60	BL546		139TA5484
151,00	5/8 UNF		95,00	6,00	2	U	31,70	8,00	BL546		139TA5485
152,00	5/8 UNF		109,00	6,00	2	U	32,00	8,00	BL546		139TA5486
152,40	3/4 UNF		104,70	6,00	2	U	20,50	7,75	BL546		139TA5487
170,00	M16	1,50	110,00	6,00	2	U	20,00	7,70	BL546		139TA5488
170,00	5/8 UNF		114,00	6,00	2	U	31,80	7,90	BL546		139TA5489
171,70	M16	1,50	122,00	6,00	2	U	29,20	7,70	BL546		139TA5490
185,30	5/8 UNC		133,80	6,00	2	U	32,00	7,80	BL546		139TA5491
221,00	M16	1,50	124,00	6,00	2	U	29,00	8,00	BL546		139TA5492
195,00	M12	1,50	155,00	6,00	2	I	24,20	5,20	BL566		106TA7844
56,50	M16	2,00	27,00	6,00	3	U	31,60	5,30	BL566		139TA5493
76,00	M14	1,50	44,00	6,00	3	U	36,30	5,20	BL566		113TA1832
105,00	5/8 UNF		52,00	6,00	3	U	32,20	5,00	BL566		139TA5494
130,00	5/8 UNF		90,00	6,00	3	U	40,00	5,30	BL566		139TA5495
170,00	5/8 UNF		112,00	6,00	3	U	32,50	5,00	BL566		139TA5496
179,00	M14	2,00	122,00	6,00	3	U	31,90	5,30	BL566		139TA5497
190,00	M16	1,50	147,00	6,00	4	U	43,95	5,30	BL588	AL688	139TA5498
167,00	M14	1,50	120,00	8,00	0	I	9,80	0,00	BL623		139TA5499
220,00	M14	1,50	175,00	8,00	0	I	9,75	0,00	BL623		139TA5500
97,00	M14	1,50	50,00	8,00	0	I	9,80	0,00	BL623		139TA5501
190,00	M16	1,50	156,00	8,00	0	I	9,50	0,00	BL623		139TA5502
91,50	M16	1,50	57,00	8,00	0	I	9,60	0,00	BL623		139TA5503
140,00	1/2 UNF		91,50	8,00	1	I	25,40	10,00	BL623		139TA5504
150,00	M16	2,00	78,00	8,00	1	U	27,00	11,50	BL623		139TA5505
165,50	M16	1,50	113,50	8,00	1	U	24,00	10,00	BL623		139TA5506
170,00	M12	1,75	129,00	8,00	1	U	20,00	10,60	BL623		139TA5507

CHAIN ANCHORS

CHAIN ANCHORS

TYPE NU											
L1 (mm)	TA	Pm	L2 (mm)	D1 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	Remark	REF
170,50	M12	1,75	128,50	8,00	1	U	20,00	10,50	BL623		139TA5508
174,50	M16	2,00	135,60	8,00	1	U	23,00	10,00	BL623		139TA5509
210,00	M12	1,50	80,00	8,00	1	U	29,50	10,60	BL623		139TA5510
75,00	M16	1,50	37,00	8,00	1	I	16,00	4,00	BL634		139TA5511
82,50	M16	1,50	49,45	8,00	1	I	16,30	4,00	BL634		139TA5512
85,00	M18	1,50	49,99	8,00	1	I	16,00	4,00	BL634		139TA5513
95,00	M18	1,50	56,00	8,00	1	I	16,00	4,00	BL634		139TA5514
104,70	M18	1,50	71,00	8,00	1	I	16,40	3,80	BL634		139TA5515
110,00	M16	1,50	76,00	8,00	1	I	16,00	3,50	BL634		139TA5516
110,00	M18	1,50	65,00	8,00	1	I	16,10	3,80	BL634		139TA5517
120,50	M18	1,50	71,60	8,00	1	I	16,30	3,65	BL634		139TA5518
126,30	M16	1,50	91,40	8,00	1	I	16,00	3,90	BL634		139TA5519
150,00	M16	1,50	116,50	8,00	1	I	16,10	3,50	BL634		139TA5520
159,80	M16	1,50	111,50	8,00	1	I	16,00	4,00	BL634		139TA5521
161,00	M18	1,50	122,00	8,00	1	I	16,00	4,00	BL634		139TA5522
162,00	5/8 UNF		88,00	8,00	1	I	16,00	3,80	BL634		139TA5523
174,50	M18	1,50	142,00	8,00	1	I	16,20	4,00	BL634		139TA5524
190,00	M16	1,50	155,00	8,00	1	I	16,00	4,00	BL634		139TA5525
200,00	M18	1,50	167,00	8,00	1	I	16,30	4,00	BL634		139TA5526
205,00	3/4 UNF		155,00	8,00	1	I	16,00	3,50	BL634		139TA5527
210,00	M16	1,50	178,00	8,00	1	I	16,00	4,00	BL634		139TA5528
212,00	M18	1,50	162,00	8,00	1	I	16,30	4,00	BL634		139TA5529
239,50	5/8 UNC		190,00	8,00	1	I	16,70	3,70	BL634		139TA5530
250,00	M16	1,50	201,00	8,00	1	I	16,30	3,80	BL634		139TA5531
108,00	5/8 UNF		60,00	8,00	2	U	26,25	6,93	BL634		139TA5532
125,00	5/8 UNF	0,00	63,00	8,00	2	U	24,70	7,00	BL634		139TA5533
150,00	M16	2,00	82,00	8,00	2	U	30,00	7,00	BL634		139TA5534
170,00	M20	2,50	115,00	8,00	2	U	30,30	6,93	BL634		139TA5535
175,00	M16	2,00	130,00	8,00	2	U	30,00	7,00	BL634		139TA5536
190,00	5/8 UNF		132,50	8,00	2	U	25,00	7,00	BL634		139TA5547
205,50	M16	2,00	141,20	8,00	2	U	25,84	6,80	BL634		139TA5537
228,00	5/8 UNF		165,00	8,00	2	U	26,00	7,00	BL634		139TA5538
154,00	M16	2,00	118,00	8,00	1	I	17,50	6,50	BL644		139TA5539
240,50	5/8 UNC		185,30	8,00	1	I	20,30	7,00	BL644		139TA5540
91,00	M16	2,00	53,00	8,00	2	U	29,00	6,90	BL644		139TA5541
92,20	M18	1,50	28,10	8,00	2	U	28,30	6,70	BL644		139TA5542
130,50	M16	1,50	79,00	8,00	2	U	29,00	7,00	BL644		139TA5543
159,00	M16	2,00	112,00	8,00	2	U	34,00	7,50	BL644		139TA5544
163,00	M16	2,00	95,00	8,00	2	U	29,80	6,80	BL644		139TA5545
185,00	M20	2,50	130,00	8,00	2	U	30,00	7,00	BL644		139TA5546
223,50	M16	1,50	138,00	8,00	2	U	23,00	7,00	BL644	AL844	139TA5548
251,00	M16	1,50	165,00	8,00	2	U	31,60	7,00	BL644		139TA5549
106,00	5/8 UNF		50,00	8,00	2	U	38,40	10,10	BL646		139TA5550
150,00	5/8 UNF		95,00	8,00	2	U	38,00	10,00	BL646		139TA5551
152,00	5/8 UNF		111,00	8,00	2	U	26,50	6,50	BL646		139TA5553
155,00	M20	2,50	116,00	8,00	2	U	37,00	10,50	BL646		139TA5554
162,00	M20	2,50	98,00	8,00	2	U	33,90	10,50	BL646		139TA5555
192,00	M18	1,50	110,00	8,00	2	U	31,70	10,30	BL646		139TA5556
180,00	M16	2,00	130,00	8,00	2	I	32,00	6,60	BL666		139TA5557

TYPE NU											
L1 (mm)	TA	Pm	L2 (mm)	D1 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	Remark	REF
150,00	M20	2,50	108,00	8,00	3	U	45,30	7,00	BL666		139TA5558
155,00	M14	2,00	82,00	9,60	1	U	21,00	9,00	BL822		139TA5559
108,00	5/8 UNF		54,00	9,60	0	I	32,00	0,00	BL823		139TA5560
114,90	M18	1,50	56,50	9,60	0	I	12,20	0,00	BL823		139TA5561
160,00	M18	1,50	112,00	9,60	0	I	12,00	0,00	BL823		139TA5562
168,00	M16	1,50	129,00	9,60	0	I	11,80	0,00	BL823		139TA5563
176,50	M16	1,50	130,00	9,60	0	I	11,90	0,00	BL823		139TA5564
185,00	M16	1,50	120,00	9,60	0	I	12,50	0,00	BL823		139TA5565
192,00	M16	1,50	155,00	9,60	0	I	12,10	0,00	BL823		139TA5566
230,00	M18	1,50	180,00	9,60	0	I	12,00	0,00	BL823		139TA5567
151,50	M16	1,50	81,00	9,60	1	U	25,40	12,70	BL823		139TA5568
195,00	M16	1,50	146,00	9,60	1	U	24,60	13,20	BL823		139TA5569
239,50	M16	1,50	195,00	9,60	1	U	26,40	13,00	BL823		139TA5570
188,00	M18	1,50	140,00	9,60	1	I	20,00	4,40	BL834		139TA5571
212,00	M20	1,50	152,50	9,60	1	I	20,20	4,25	BL834		139TA5572
215,00	M18	1,50	177,00	9,60	1	I	20,35	4,65	BL834		139TA5573
247,00	M18	1,50	200,00	9,60	1	I	20,50	4,00	BL834		139TA5574
95,15	M18	1,50	52,00	9,60	1	I	20,45	4,85	BL834		139TA5575
102,00	M22	1,50	66,00	9,60	1	I	20,00	4,50	BL834		139TA5576
103,00	M20	1,50	42,00	9,60	1	I	20,40	4,30	BL834		139TA5577
106,00	M18	1,50	65,55	9,60	0	I	19,00	4,30	BL834		139TA5578
115,00	M20	1,50	63,50	9,60	1	I	20,30	4,60	BL834		139TA5579
125,50	M22	1,50	90,55	9,60	1	I	20,50	4,60	BL834		139TA5580
126,50	M16	1,50	90,00	9,60	1	I	20,50	4,30	BL834		139TA5581
127,50	M18	1,50	83,30	9,60	1	I	20,20	5,10	BL834		113TA1847
138,00	M18	1,50	90,50	9,60	1	I	20,10	4,40	BL834		139TA5582
139,50	M18	1,50	95,00	9,60	1	I	20,00	5,00	BL834		139TA5583
141,80	M22	1,50	107,00	9,60	1	I	20,00	4,60	BL834		139TA5584
185,80	M18	1,50	143,50	9,60	1	I	20,00	4,80	BL834		139TA5585
187,00	M22	1,50	155,00	9,60	1	I	20,00	5,00	BL834		139TA5586
188,70	M18	1,50	145,00	9,60	1	I	20,00	4,70	BL834		139TA5587
192,00	M16	1,50	158,00	9,60	1	I	20,50	4,20	BL834		139TA5588
197,00	3/4 UNF		132,85	9,60	1	I	20,00	4,20	BL834		139TA5589
245,00	M18	1,50	205,00	9,60	1	I	20,35	4,50	BL834		139TA5590
254,60	M22	1,50	198,40	9,60	1	I	20,20	4,50	BL834		139TA5591
260,00	M20	1,50	180,00	9,60	2	U	31,30	8,30	BL834		139TA5592
81,00	M20	2,50	34,00	9,60	2	U	32,00	8,50	BL834		139TA5593
104,50	3/4 UNF		49,00	9,60	2	U	34,00	8,50	BL834		139TA5594
126,00	M20	2,50	54,00	9,60	2	U	31,50	8,50	BL834		139TA5595
148,50	3/4 UNF		43,50	9,60	2	U	29,40	8,70	BL834		139TA5596
155,00	M16	2,00	110,00	9,60	2	U	37,00	8,50	BL834		139TA5597
180,00	M20	2,50	130,00	9,60	2	U	32,00	8,50	BL834		139TA5598
184,80	M20	2,50	118,50	9,60	2	U	32,40	8,70	BL834		139TA5599
205,00	M20	2,50	140,00	9,60	2	U	30,50	8,50	BL834		139TA5600
215,00	M20	2,50	141,00	9,60	2	U	32,90	8,50	BL834		139TA5601
217,00	3/4 UNF		150,00	9,60	2	U	31,20	8,50	BL834		139TA5602
220,00	3/4 UNF		155,00	9,60	2	U	33,00	8,40	BL834		139TA5603
220,00	M24	2,00	130,00	9,60	2	U	38,00	8,50	BL834		139TA5604
220,00	M24	2,00	132,00	9,60	2	U	42,20	8,50	BL834	BL844	139TA5605

CHAIN ANCHORS

CHAIN ANCHORS

TYPE NU											
L1 (mm)	TA	Pm	L2 (mm)	D1 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	Remark	REF
232,00	3/4 UNF		151,50	9,60	2	U	30,80	8,50	BL834		139TA5606
263,50	M20	2,50	185,00	9,60	2	U	36,50	8,50	BL834		139TA5607
280,00	M18	2,50	140,00	9,60	2	U	40,00	8,50	BL834+PL		139TA5608
205,00	M14	2,00	130,00	9,60	1	I	21,00	9,00	BL844		106TA7833
260,00	M14	2,00	185,00	9,60	1	I	21,00	9,00	BL844		139TA5609
211,40	M16	2,00	166,00	9,60	2	U	43,00	8,50	BL844+PL		139TA5610
336,00	M24	3,00	180,50	9,60	2	U	44,00	8,70	BL844+PL		113TA1852
218,00	M20	1,50	150,00	9,60	1	I	32,50	8,20	BL846		139TA5611
150,50	3/4 UNF		58,00	9,60	2	U	45,80	12,90	BL846		139TA5612
180,00	M20	2,50	130,00	9,60	2	U	45,00	12,80	BL846		139TA5613
203,00	3/4 UNF		115,00	9,60	2	U	46,00	13,00	BL846		106TA7843
230,00	3/4 UNF		145,00	9,60	2	U	46,00	13,00	BL846		139TA5614
241,50	3/4 UNF		152,00	9,60	2	U	45,60	12,80	BL846		139TA5615
273,00	M24	3,00	190,00	9,60	2	U	50,00	13,00	BL846		139TA5616
283,00	M20	2,50	200,00	9,60	2	U	41,85	12,80	BL846		139TA5617
170,00	M20	1,50	120,00	9,60	2	I	39,50	8,50	BL866		139TA5618
250,00	M20	1,50	181,00	9,60	2	I	39,60	8,70	BL866	LINDE102	139TA5619
200,00	1		115,00	9,60	3	U	50,00	8,60	BL866		139TA5620
216,60	1 UNS/NS	0,00	132,00	9,60	3	U	50,00	8,70	BL866		139TA5621
222,00	M24	2,00	150,00	9,60	3	U	58,00	8,50	BL866		139TA5622
225,00	M24	3,00	145,00	9,60	3	U	25,00	8,60	BL866		106TA7838
145,50	M22	1,50	93,50	11,20	0	I	14,50	0,00	BL1023		139TA5623
155,00	M22	1,50	106,00	11,20	0	I	14,50	0,00	BL1023		139TA5624
215,50	M22	1,50	163,00	11,20	0	I	14,00	0,00	BL1023		139TA5625
146,00	M22	1,50	101,50	11,20	1	I	24,50	5,40	BL1034		139TA5626
165,50	M22	1,50	119,00	11,20	1	I	24,00	6,00	BL1034		139TA5627
200,00	M24	1,50	119,00	11,20	1	I	24,30	5,30	BL1034		139TA5628
246,80	M22	1,50	195,80	11,20	1	I	24,60	5,90	BL1034		113TA1862
260,00	1 1/16		183,00	11,20	1	I	24,50	5,20	BL1034		139TA5629
266,00	M22	1,50	215,00	11,20	1	I	23,80	5,80	BL1034		139TA5630
286,00	M22	1,50	238,00	11,20	1	I	23,80	5,50	BL1034		139TA5630
120,00	M22	2,50	49,00	11,20	2	U	43,00	10,00	BL1034		139TA5631
143,50	3/4 UNF		53,50	11,20	2	U	38,20	10,30	BL1034		139TA5632
179,00	3/4 UNF		104,00	11,20	2	U	38,20	10,50	BL1034		139TA5633
216,00	1 1/4 UNF		145,00	11,20	2	U	38,00	10,00	BL1034		139TA5634
226,00	3/4 UNF		152,00	11,20	2	U	38,00	10,30	BL1034		139TA5635
212,00	M20	1,50	163,00	11,20	2	U	38,30	10,20	BL1044		139TA5636
220,00	M24	3,00	145,00	11,20	2	U	50,00	15,20	BL1046		139TA5637
216,00	1 1/4 UNF		140,00	11,20	2	U	0,00	15,00	BL1046		139TA5638
229,50	1 1/2 UNF		170,00	11,20	3	U	70,10	10,30	BL1066		139TA5639
299,00	1 1/4 UNF		160,00	11,20	3	U	64,50	10,30	BL1066		139TA5640
160,00	M24	1,50	68,00	12,80	1	I	28,60	6,40	BL1234		139TA5641
171,00	M20	1,50	115,00	12,80	1	I	17,70	6,60	BL1234		139TA5642
188,00	M16	2,00	118,00	12,80	1	I	18,00	6,00	BL1234		139TA5643
194,00	M24	1,50	125,50	12,80	1	I	28,00	6,30	BL1234		139TA5644
225,00	M24	1,50	132,00	12,80	1	I	29,00	6,50	BL1234		139TA5645
280,00	M27	2,00	200,00	12,80	1	I	28,80	6,50	BL1234		139TA5646
301,00	M24	1,50	208,00	12,80	1	I	28,50	6,50	BL1234		139TA5647
370,00	M24	1,50	313,00	12,80	1	I	28,60	6,40	BL1234		139TA5648

TYPE NU											
L1 (mm)	TA	Pm	L2 (mm)	D1 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	Remark	REF
242,00	1 1/4 UNF		150,00	12,80	1	I	47,00	11,00	BL1246		139TA5649
270,00	M39	3,00	165,00	12,80	3	U	78,00	12,00	BL1266		139TA5650
147,00	M33	1,50	77,00	14,30	1	I	31,75	7,00	BL1434		139TA5651
182,00	M33	2,00	79,00	14,30	1	I	32,80	7,00	BL1434		139TA5652
286,00	M30	2,00	215,00	14,30	1	I	32,40	7,20	BL1434		139TA5653
323,00	M33	1,50	250,00	14,30	1	I	32,00	7,00	BL1434		139TA5654
350,00	M33	2,00	243,00	14,30	1		33,00	7,40	BL1434		139TA5655
176,40	M30	1,50	76,00	14,30	1	I	52,30	14,00	BL1446		139TA5656
330,00	M30	1,50	215,00	14,30	1	I	52,50	14,20	BL1446		139TA5657
282,00	1 1/4 UNF		173,00	14,30	2	U	0,00	20,30	BL1446		113TA1881
346,00	1 1/4 UNF		260,00	14,30	2	I	73,00	20,30	BL1446		139TA5658
411,00	1 1/2 UNC		255,00	14,30	3	U	80,00	11,00	BL1466		139TA5659
280,00	1 1/2 UNC		120,00	17,50	2	U	90,00	15,80	BL1644		139TA5660
460,00	M48	5,00	295,00	17,50	3	U	90,00	14,00	BL1666		139TA5661
483,00	2 1/4 UNF		171,00	17,60	4	U	152,60	15,70	BL1688		139TA5662
280,00	M30	1,50	180,00	17,90	2	U	60,00	12,50	F504		139TA5663
324,40	M48	5,00	210,00	17,90	2	U	60,30	13,00	F504		139TA5664
497,00	M48	5,00	388,00	17,90	2	U	60,00	13,00	F504		139TA5665
500,00	M48	5,00	395,00	17,90	3	U	100,00	13,00	F506U		113TA1901
361,00	M42	3,00	185,00	17,90	4	U	105,30	12,60	F508U	FS08	113TA1905
499,00	M48	5,00	390,00	17,90	4	U	100,00	12,00	F508U		139TA5666
505,00	1 7/8		395,00	17,90	4	U	100,00	13,00	F508U		139TA5667
590,00	M42	3,00	452,00	17,90	4	U	110,00	15,60	F508U		139TA5668
499,00	M48	5,00	390,00	23,00	3	U	100,00	16,00	F636U		139TA5669
86,00	M14	2,00	42,00	8,30	2	U	22,00	4,00	FB154	Oval plates	139TA5670
140,00	M20	2,50	90,00	8,30	3	U	31,50	4,80	FB156	Oval plates	113TA1785
167,00	M16	2,00	118,00	5,10	3	U	30,10	4,60	FB156S		113TA1786
232,50	M12	1,75	117,00	6,00	2	U	25,00	4,00	FB194K		113TA1801
145,00	M20	2,50	97,00	10,00	3	U	30,00	4,00	FB196S	Oval plates	139TA5671
166,00	M16	2,00	116,40	6,50	3	U	35,20	5,00	FB196S		139TA5672
167,50	M16	2,00	118,75	6,50	3	U	40,25	5,00	FB196S		139TA5673
210,00	M16	2,00	145,00	6,50	3	I	40,20	5,20	FB196SK		139TA5674
249,30	M16	2,00	140,00	6,50	3	I	39,70	5,20	FB196SK		139TA5675
200,00	M20	2,50	144,00	6,50	4	U	50,00	5,00	FB198SK		139TA5676
200,00	M20	2,50	121,00	12,00	3		40,00	6,50	FB256	Oval plates	139TA5677
136,50	7/16 UNF		100,00	5,30	4	U	19,20	2,10	FLC645		139TA5678
115,20	3/4 UNF		76,20	5,80	7	U	34,70	2,00	FLC678		139TA5679
184,50	3/4 UNF		126,00	9,60	5	U	34,90	3,10	FLC1056		139TA5680
217,00	1 UNC		146,50	9,60	7	U	51,50	3,20	FLC1078		139TA5681
107,20	M10	1,50	76,40	4,60	2	U	14,00	3,20	LL844		139TA5682
128,50	M16	2,00	81,00	5,00	2	U	25,00	3,50	LL1044		139TA5683
175,00	M12	1,75	144,00	5,00	2	I	0,00	3,60	LL1044		139TA5684
180,00	M14	2,00	150,50	5,00	3	U	22,30	3,70	LL1066		139TA5685
130,00	M18	2,50	85,00	5,00	4	U	30,00	3,30	LL1088		113TA1793
170,00	M14	2,00	128,00	5,80	2	U	20,00	4,00	LL1244		139TA5686
122,60	M20	2,50	94,15	5,80	3	U	27,40	3,75	LL1266		139TA5687
130,20	M20	2,50	86,00	5,80	3	U	35,00	4,30	LL1266		139TA5688
141,00	M16	2,00	95,00	5,80	3	U	24,60	4,00	LL1266		139TA5689
149,50	M16	2,00	105,00	5,80	3	U	27,00	4,00	LL1266		139TA5690

CHAIN ANCHORS

CHAIN ANCHORS

TYPE NU											
L1 (mm)	TA	Pm	L2 (mm)	D1 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	Remark	REF
205,00	M18	2,50	155,00	5,80	3	U	34,60	4,20	LL1266		139TA5691
135,00	M20	2,50	102,00	5,80	4	U	28,00	4,20	LL1288		139TA5692
220,00	M16	2,00	177,00	8,30	1	I	18,50	6,50	LL1644		139TA5693
150,00	M20	2,50	103,50	8,30	2	U	31,65	7,00	LL1644		139TA5694
160,00	M18	2,50	124,00	8,30	2	U	25,50	6,50	LL1644		139TA5695
162,50	M20	2,50	112,00	8,30	2	U	35,60	6,50	LL1644		139TA5696
172,40	M20	2,50	98,20	8,30	2	U	35,50	6,60	LL1644	Oval plates	139TA5697
193,00	M20	2,50	145,00	8,30	2	U	32,00	6,50	LL1644		139TA5698
220,50	M16	2,00	175,00	8,30	2	U	28,50	7,00	LL1644		139TA5699
172,00	M20	1,50	110,00	12,50	2	I	29,80	6,50	LL1666	Oval plates	139TA5700
188,00	M20	2,50	100,00	12,00	2	I	30,00	6,00	LL1666	Oval plates	139TA5701
188,00	M20	2,50	131,00	8,30	3	U	44,30	7,00	LL1666		139TA5702
211,00	M24	3,00	122,00	0,00	3	U	50,00	6,50	LL1666		139TA5703
212,00	M20	2,50	160,00	8,30	3	U	41,70	7,00	LL1666		139TA5704
260,00	M30	3,50	140,80	0,00	3	U	51,50	7,50	LL2066		139TA5705
358,00	M30	3,50	210,00	15,00	2	U	62,00	10,80	LL2444		139TA5706
302,00	M36	4,00	158,00	0,00	3	U	67,00	10,00	LL2466		139TA5707
219,00	M36	3,00	115,00	16,00	2	U	62,20	13,10	LL2844		139TA5708
363,20	M30	3,50	205,00	18,10	2	U	61,00	13,00	LL3244		139TA5709
270,00	M36	3,00	126,00	14,60	3	U	63,20	11,00	LL3266		139TA5710
54,75	M8	1,25	24,25	2,50	0		4,80	0,00	05B1		139TA5711
65,00	M10	1,50	51,00	3,40	0		8,30	0,00	06B1		139TA5712
53,00	M8	1,25	34,00	4,70	0		11,00	0,00	08B1		139TA5713
52,00	M12	1,75	33,00	5,10	0		13,00	0,00	10B1		139TA5714
62,00	M12	1,75	42,50	5,10	0		13,00	0,00	10B1		139TA5715
68,50	M10	1,00	40,00	5,10	0		13,00	0,00	10B1		139TA5716
93,00	M10	1,50	64,00	5,10	0		13,00	0,00	10B1		139TA5717
57,00	M10	1,50	32,00	4,50	1		19,00	3,30	1601/2		106TA7840
90,30	M20	1,50	34,00	16,00	0		40,00	0,00	16B1		139TA5718
153,00	M20	1,50	117,75	16,20	0		25,45	0,00	16B1		139TA5719
212,00	M24	3,00	158,00	8,20	1		55,00	9,00	16B2		139TA5720
88,00	M20	1,50	40,50	16,00	0		24,85	0,00	20B1		139TA5721
154,00	M20	1,50	119,70	16,00	0		28,90	0,00	20B1		113TA1949
209,50	M20	2,50	161,00	8,30	2		30,85	6,55	24B1		139TA5722
20,00	M5	0,80	12,00	2,30	0		4,50	0,00	ASA25		113TA1925
27,50	M6	1,00	16,50	2,30	0		4,80	0,00	ASA25		113TA1926
58,50	M10	1,50	45,00	4,10	0		10,80	0,00	ASA40		139TA5723
58,00	M10	1,25	48,00	4,10	0		10,50	0,00	ASA40		139TA5724
71,00	M14	1,50	45,50	4,00	1		24,00	4,00	ASA40-2		139TA5725
52,20	M14	1,50	35,25	5,10	0		14,00	0,00	ASA50		139TA5726
75,00	M8	1,25	58,00	5,10	0		9,80	0,00	ASA50		139TA5727
81,00	M12	1,25	64,00	5,10	0		13,00	0,00	ASA50		139TA5728
85,00	M10	1,50	38,00	5,10	0		13,20	0,00	ASA50		139TA5729
85,00	M8	1,25	33,00	5,10	0		13,20	0,00	ASA50		139TA5730
100,20	M20	2,50	71,00	5,50	1		31,90	4,50	ASA502		139TA5731
79,00	M10	1,25	47,00	6,10	0		17,50	0,00	ASA60		139TA5732
108,00	M16	1,50	51,00	6,10	0		17,20	0,00	ASA60		139TA5733
192,00	M16	1,50	157,00	8,40	0		12,50	0,00	ASA60		139TA5734
114,80	M19	2,50	75,60	6,10	1		40,60	4,90	ASA602		139TA5735

TYPE NU											
L1 (mm)	TA	Pm	L2 (mm)	D1 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	Remark	REF
85,00	M18	1,50	50,00	8,00	0		22,00	0,00	ASA80		139TA5736
97,00	M18	1,50	67,00	8,00	0		22,20	0,00	ASA80		139TA5737
130,40	3/4 UNC		101,50	8,00	0		22,30	0,00	ASA 80		139TA5738
155,00	M18	1,50	119,00	8,00	0		22,00	0,00	ASA80		139TA5739
170,00	M16	1,50	130,50	8,00	0		22,10	0,00	ASA80		139TA5740
175,00	M16	1,50	125,00	8,00	0		22,20	0,00	ASA80		139TA5741
182,30	M18	1,50	139,00	8,00	0		22,10	0,00	ASA80		139TA5742
194,00	M16	1,50	160,00	8,00	0		22,00	0,00	ASA80		139TA5743
210,00	M18	1,50	162,00	8,00	0		22,50	0,00	ASA80		139TA5744
60,00	M16	2,00	30,00	9,60	0		28,50	0,00	ASA100		139TA5745
95,00	M18	1,85	48,40	9,60	0		26,75	0,00	ASA100		139TA5746
95,50	M16	1,50	61,00	9,60	0		18,50	0,00	ASA100		139TA5747
96,00	M16	1,50	65,00	9,60	0		27,30	0,00	ASA100		139TA5748
119,00	3/4 UNF		50,00	9,60	0		26,50	0,00	ASA100		139TA5749
155,00	M18	1,50	115,00	9,60	0		27,00	0,00	ASA100		139TA5750
171,00	M18	1,50	137,00	9,60	0		27,10	0,00	ASA100		139TA5751
210,00	M18	1,50	140,00	9,60	0		26,50	0,00	ASA100		139TA5752
227,00	3/4 UNF		156,00	9,60	0		26,50	0,00	ASA100		139TA5753
238,00	M20	1,50	165,00	11,25	0		35,00	0,00	ASA120		139TA5754
147,50	M24	2,00	60,50	11,25	1		24,50	5,40	ASA1202		139TA5755
166,00	M16	1,50	128,00	13,50	0		27,00	0,00	ASA200		139TA5756

CHAIN ANCHORS

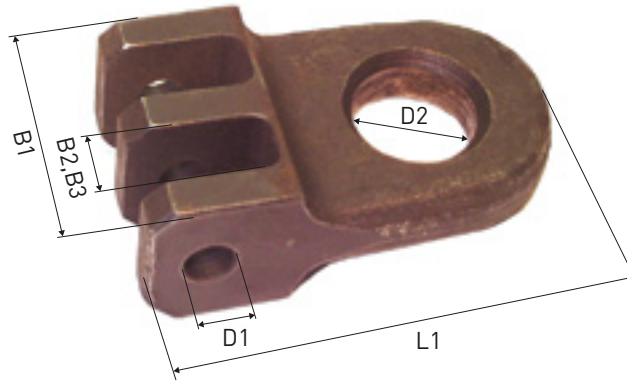
CHAIN ANCHORS

NUTS



Thread	Step	REF	Thread	REF
M10	1,50	139TA5798	7/16 UNF	139TA5816
M12	1,25	139TA5799	1/2 UNF	139TA5817
M12	1,50	113TA1735	5/8 UNF	139TA5818
M12	1,75	139TA5800	5/8 UNC	113TA1884
M14	1,50	107TA5355	3/4 UNF	139TA5819
M14	2,00	107TA6481	7/8 UNF	139TA5820
M16	1,50	107TA5356	1 UNF	139TA5821
M16	2,00	139TA5801	1 UNC	139TA5822
M18	1,50	139TA5802	1 1/16 UNF	139TA5823
M18	2,50	113TA1821	1 1/2 UNF	113TA1890
M20	1,50	113TA1760	1 1/4 UNF	139TA5824
M20	2,50	139TA5803	1 7/8 UNF	139TA5825
M22	1,50	139TA5804	2 1/4 UNF	139TA5826
M22	2,50	139TA5805		
M24	1,50	113TA1975		
M24	2,00	139TA5806		
M24	3,00	113TA1886		
M27	2,00	139TA5807		
M30	1,50	139TA5808		
M30	2,00	139TA5809		
M30	3,50	113TA1891		
M33	1,50	139TA5810		
M33	2,00	139TA5811		
M36	3,00	139TA5812		
M36	4,00	113TA1894		
M39	3,00	139TA5813		
M42	3,00	139TA5814		
M48	5,00	139TA5815		

TYPE OH

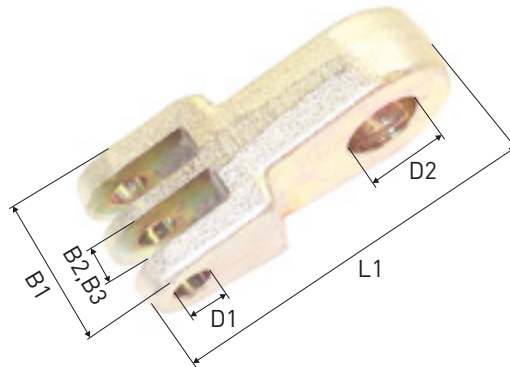


L1 (mm)	D1 (mm)	D2 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	REF
50,80	5,00	19,05	2	U	31,75	6,80	AL544	139TA5760
63,00	6,00	20,00	1	I	12,20	2,70	BL534	139TA5761
77,90	6,00	30,10	1	I	12,00	3,10	BL534	139TA5762
55,70	6,00	25,50	2	U	32,00	8,00	BL546	139TA5763
60,00	6,00	25,40	2	U	31,50	8,00	BL546	139TA5764
68,20	6,00	25,50	2	U	31,80	8,00	BL546	139TA5765
55,50	6,00	25,40	3	U	32,50	5,20	BL566	139TA5766
60,00	6,00	25,40	3	U	32,00	5,00	BL566	139TA5767
55,00	8,00	12,00	2	U	26,50	7,00	BL634	139TA5768
67,50	8,00	29,10	1	I	16,40	4,00	BL634	139TA5769
80,20	8,00	30,00	1	I	16,20	3,50	BL634	139TA4439
79,00	9,60	25,00	1	I	24,90	12,80	BL823	139TA5770
80,00	9,60	25,00	0	I	12,00	0,00	BL823	139TA5771
71,05	9,60	25,40	2	U	30,85	8,45	BL834	139TA5772
80,00	9,60	25,30	1	I	20,50	4,60	BL834	139TA5773
80,20	9,60	25,50	2	U	31,00	8,50	BL834	139TA5774
84,00	9,60	30,00	1	I	20,20	4,40	BL834	139TA5775
65,00	9,60	35,00	2	U	41,80	13,00	BL846	139TA5776
80,00	9,60	25,80	2	U	46,00	13,00	BL846	139TA5777
102,00	9,60	38,00	3	U	58,50	8,50	BL866	139TA5778
92,50	9,60	40,00	3	U	58,00	8,50	BL866	139TA5779
96,00	9,60	40,00	3	U	57,10	8,30	BL866	139TA5780
61,00	11,20	25,50	2	U	33,60	12,70	BL1046	139TA5781
75,00	6,50	30,00	3	U	40,00	5,00	FB196SK	139TA5782
81,50	6,00	30,20	0		12,50	0,00	ASA60	139TA5758
83,00	8,00	30,00	0		18,00	0,00	ASA80	139TA5759

CHAIN ANCHORS

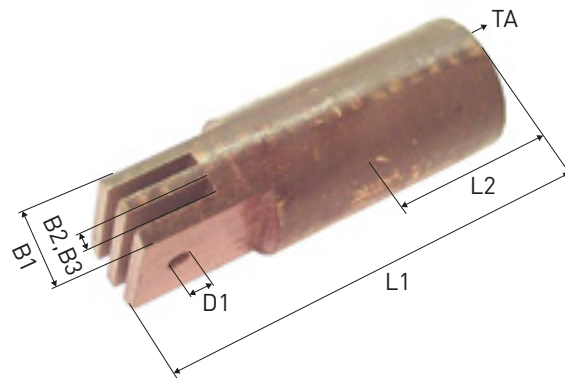
CHAIN ANCHORS

TYPE O



L1 (mm)	D1 (mm)	D2 (mm)	AT-GL	LG-GL	B1 (mm)	B2 (mm)	TY-K1	REF
62,00	6,00	20,00	1	I	12,20	2,70	BL534	139TA5788
77,00	8,00	25,00	1	I	16,00	4,00	BL634	139TA5787
79,90	9,60	25,10	0	I	12,20	0,00	BL823	139TA5786
80,00	9,60	25,00	1	I	20,50	4,50	BL834	139TA5784
105,00	8,60	14,70	3	U	50,00	7,00	LL1666	139TA5783
110,00	11,00	44,00	1	I	24,50	5,50	ASA120-2	139TA5785

TYPE NI



L1 (mm)	TA	PM	RH/LH	L2 (mm)	D1 (mm)	AT-GL	B1 (mm)	B2 (mm)	TY-K1	REF
62,00	M12	1,75	RH	30,00	9,60	2	31,20	8,50		139TA5790
75,00	M16	2,00	RH	45,50	6,00	4	42,30	5,00		139TA5791
70,50	M6	1,00	RH	19,50	8,00	2	31,50	7,00	BL644	139TA5792
68,00	3/4 UNF	0,00	RH	0,00	8,30	2	39,30	10,80	BL646	139TA5793
87,00	M18	1,50	RH	0,00	9,50	1	20,40	4,60	BL834	139TA5794
70,00	M8	1,25	RH	21,50	6,70	2	24,00	5,00	F19V66	139TA5795
190,00	M52	2,00	RH	50,00	23,00	3	100,00	17,00	F636U	113TA1906
18,20	M4	1,75	RH	9,00	2,40	0	0,00	0,00	1200038	106TA7845
60,00	M8	1,25	LH	38,00	3,50	0	7,50	0,00	6B1	139TA5796
40,00	1/4 UNF	0,00	LH	0,00	3,30	1	18,00	2,50	6B2	139TA5797

CHAIN ANCHORS

TYPE S

AL644

REF 139TA5827

- L1 60,00 mm
- D1 6,00 mm
- AT-GL 1
- LG-GL I
- B1 14,50 mm
- B2 5,00 mm



AL644

REF 139TA5828

- L1 60,65 mm
- D1 6,00 mm
- AT-GL 2
- B1 22,00 mm
- B2 5,20 mm



AL644

REF 139TA5829

- L1 60,65 mm
- D1 6,00 mm
- AT-GL 2
- B1 22,00 mm
- B2 5,20 mm



AL666

REF 139TA5830

- L1 70,00 mm
- D1 6,00 mm
- D2 6,50 mm
- AT-GL 3
- LG-GL U
- B1 35,70 mm
- B2 5,00 mm



AL666

REF 139TA5831

- L1 58,00 mm
- D1 6,00 mm
- AT-GL 3
- B1 40,00 mm
- B2 5,00 mm



AL822

REF 116TA4843

- L1 59,00 mm
- L2 35,00 mm
- D1 8,25 mm
- AT-GL 1
- B1 18,00 mm
- B2 6,00 mm



AL1066

REF 139TA5832

- L1 126,50 mm
- L2 141,00 mm
- D1 9,60 mm
- AT-GL 2
- B1 39,60 mm
- B2 8,50 mm



BL1046

REF 139TA5833

- L1 180,00 mm
- D1 11,00 mm
- AT-GL 2
- B1 58,10 mm
- B2 15,20 mm



CHAIN ANCHORS

TYPE S

BL1246

REF 139TA5834

- L1 95,50 mm
- L2 92,50 mm
- D1 12,80 mm
- AT-GL 2
- B1 65,80 mm
- B2 18,00 mm



BL1446

REF 139TA5835

- L1 114,40 mm
- D1 14,25 mm
- AT-GL 2
- B1 75,00 mm
- B2 20,40 mm



BL1446

REF 139TA5836

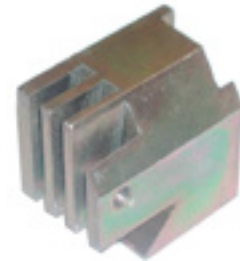
- L1 99,00 mm
- L2 45,00 mm
- D1 14,25 mm
- AT-GL 2
- B1 71,00 mm
- B2 20,70 mm



BL446

REF 139TA5837

- L1 50,00 mm
- D1 5,00 mm
- AT-GL 3
- B1 30,00 mm
- B2 5,00 mm



BL488

REF 139TA5838

- L1 48,80 mm
- L2 40,00 mm
- D1 5,00 mm
- AT-GL 3
- B1 30,20 mm
- B2 4,50 mm
- TY-K1 BL488



BL534

REF 139TA5839

- L1 37,80 mm
- D1 6,20 mm
- D2 6,20 mm
- AT-GL 2
- LG-GL I
- B1 12,10 mm
- B2 2,70 mm



TY-K1, TY-K2, BL544, LH1044

REF 139TA5840

- L1 45,00 mm
- L2 27,35 mm
- D1 6,00 mm
- AT-GL 2
- B1 24,30 mm
- B2 5,30 mm



BL544KS

REF 139TA5841

- L1 120,00 mm
- TA M12
- PM 1,75
- RH/LH RH
- L2 64,00 mm
- D1 6,00 mm
- AT-GL 2
- B1 28,00 mm
- B2 5,50 mm



CHAIN ANCHORS

TYPE S

TY-K1, TY-K2, BL588, AL688

REF 139TA5842

- L1 55,70 mm
- L2 51,35 mm
- D1 6,00 mm
- AT-GL 4
- B1 44,00 mm
- B2 5,20 mm



BL588

REF 139TA5843

- L1 68,40 mm
- D1 6,00 mm
- AT-GL 4
- B1 43,80 mm
- B2 5,30 mm



BL623

REF 139TA5844

- L1 60,00 mm
- D2 8,00 mm
- LG-GL U
- B1 9,50 mm



BL623

REF 139TA5845

- L1 74,00 mm
- D1 8,00 mm
- AT-GL 1
- LG-GL I
- B1 20,00 mm
- B2 10,30 mm



BL623

REF 139TA5846

- L1 75,00 mm
- D1 8,00 mm
- AT-GL 1
- B1 20,00 mm
- B2 10,40 mm



BL633

REF 139TA5847

- L1 56,00 mm
- D1 8,00 mm
- AT-GL 1
- B1 20,00 mm
- B2 10,00 mm



BL634

REF 139TA5848

- L1 46,00 mm
- D1 8,00 mm
- D2 8,00 mm
- AT-GL 1
- B1 16,30 mm
- B2 3,50 mm



BL634

REF 139TA5849

- L1 67,50 mm
- D1 8,00 mm
- AT-GL 2
- B1 31,30 mm
- B2 6,80 mm



CHAIN ANCHORS

TYPE S

BL644

REF 139TA5850

- L1 50,00 mm
- L2 59,00 mm
- D1 8,00 mm
- AT-GL 2
- B1 36,00 mm
- B2 7,00 mm



TY-K1, TY-K2, BL644, AL844

REF 139TA5851

- L1 55,00 mm
- L2 38,00 mm
- D1 8,00 mm
- AT-GL 2
- B1 29,00 mm
- B2 5,90 mm



BL644

REF 139TA5852

- L1 61,00 mm
- D1 8,30 mm
- AT-GL 2
- B1 28,40 mm
- B2 6,80 mm



BL646

REF 139TA5853

- L1 70,00 mm
- L2 52,00 mm
- D1 8,00 mm
- AT-GL 2
- B1 40,00 mm
- B2 10,50 mm



BL823

REF 139TA5854

- L1 59,60 mm
- D1 9,60 mm
- AT-GL 1
- B1 24,00 mm
- B2 13,00 mm
- TY-K1 BL823



BL834

REF 139TA5855

- L1 75,00 mm
- D1 9,70 mm
- D2 9,70 mm
- AT-GL 2
- B1 32,70 mm
- B2 8,60 mm



BL834

REF 139TA5856

- L1 75,00 mm
- D1 9,60 mm
- D2 44,30 mm
- AT-GL 3
- LG-GL I
- B1 35,00 mm
- B2 9,00 mm



BL834

REF 139TA5857

- L1 60,00 mm
- D1 9,70 mm
- D2 8,00 mm
- AT-GL 2
- LG-GL U
- B1 30,20 mm
- B2 8,70 mm



CHAIN ANCHORS

TYPE S

BL834

REF 139TA5858

- L1 64,20 mm
- L2 68,40 mm
- D1 9,50 mm
- AT-GL 2
- B1 33,10 mm
- B2 8,50 mm



BL834

REF 139TA5859

- L1 75,00 mm
- L2 40,00 mm
- D1 9,50 mm
- AT-GL 2
- B1 32,50 mm
- B2 8,70 mm



BL846

REF 139TA5860

- L1 44,00 mm
- D1 9,52 mm
- AT-GL 2
- LG-GL U
- B1 55,00 mm
- B2 13,00 mm



BL834+2PL

REF 139TA5861

- L1 58,70 mm
- D1 9,60 mm
- AT-GL 2
- B1 66,00 mm
- B2 8,50 mm



BL834+PL

REF 139TA5608

- L1 280,00 mm
- TA M18
- PM 2,50
- RH/LH RH
- L2 140,00 mm
- D1 9,70 mm
- AT-GL 2
- B1 40,00 mm
- B2 8,50 mm



BL844+PL

REF 139TA5610

- L1 211,40 mm
- TA M16
- PM 2
- RH/LH RH
- L2 166,00 mm
- D1 9,60 mm
- AT-GL 2
- B1 43,00 mm
- B2 8,50 mm



BL844+PL

REF 139TA5862

- L1 65,00 mm
- D1 9,52 mm
- AT-GL 2
- LG-GL U
- B1 43,00 mm
- B2 9,00 mm



TY-K1, FB156

REF 139TA5863

- L1 40,00 mm
- D1 8,20 mm
- AT-GL 3
- B1 32,40 mm
- B2 3,50 mm
- B3 4,00 mm
- Oval plates



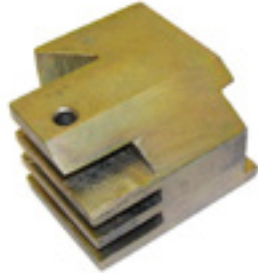
CHAIN ANCHORS

TYPE S

FB156S

REF 139TA5864

- L1 50,00 mm
- D1 5,00 mm
- AT-GL 3
- B1 30,00 mm
- B2 4,70 mm



LINDE080

REF 139TA5865

- L1 180,00 mm
- TA M12
- PM 1,75
- RH/LH RH
- L2 97,00 mm
- D1 8,00 mm
- AT-GL 1
- B1 20,00 mm
- B2 10,30 mm



LINDE102

REF 139TA5866

- L1 250,00 mm
- TA M20
- PM 1,50
- RH/LH RH
- L2 190,00 mm
- D1 9,70 mm
- AT-GL 2
- B1 47,70 mm
- B2 8,60 mm



LINDE104

REF 139TA5867

- L1 220,00 mm
- TA M20
- PM 1,50
- RH/LH RH
- L2 125,00 mm
- D1 9,50 mm
- AT-GL 2
- B1 37,00 mm
- B2 5,00 mm



LINDE104

REF 139TA5868

- L1 220,00 mm
- TA M20
- PM 1,50
- RH/LH RH
- L2 112,00 mm
- D1 9,75 mm
- AT-GL 4
- B1 66,00 mm
- B2 4,50 mm
- B3 10,00 mm



LINDE104

REF 139TA5869

- L1 59,00 mm
- L2 42,30 mm
- D1 9,50 mm
- AT-GL 4
- B1 66,00 mm
- B2 5,00 mm
- B3 9,40 mm



LINDE105

REF 106TA7837

- L1 220,00 mm
- TA M16
- PM 1,50
- RH/LH RH
- L2 135,00 mm
- D1 8,30 mm
- AT-GL 2
- B1 32,00 mm
- B2 7,00 mm



LINDE105

REF 106TA7831

- L1 59,00 mm
- L2 38,00 mm
- D1 8,20 mm
- AT-GL 2
- B1 41,50 mm
- B2 7,00 mm



CHAIN ANCHORS

TYPE S

LINDE106

REF 106TA7839

- L1 250,00 mm
- TA M20
- PM 1,50
- RH/LH RH
- L2 160,00 mm
- D1 8,30 mm
- AT-GL 3
- B1 46,50 mm
- B2 7,50 mm



LINDE106

REF 106TA7835

- L1 58,00 mm
- L2 66,80 mm
- D1 8,25 mm
- AT-GL 3
- B1 46,30 mm
- B2 7,00 mm
- B3 7,50 mm



LINDE106

REF 139TA5871

- L1 310,50 mm
- TA M24
- PM 1,50
- RH/LH RH
- L2 129,50 mm
- D1 9,50 mm
- AT-GL 4
- B1 76,60 mm
- B2 9,15 mm
- B3 10,90 mm



LINDE108

REF 139TA5872

- L1 71,00 mm
- L2 38,00 mm
- D1 9,50 mm
- AT-GL 4
- B1 77,00 mm
- B2 9,25 mm
- B3 11,00 mm



LINDE109

REF 139TA5873

- L1 220,00 mm
- TA M20
- PM 1,50
- RH/LH RH
- L2 120,30 mm
- D1 9,70 mm
- AT-GL 2
- B1 65,90 mm
- B2 8,50 mm



TY-K1, TY-K2, LINDE109, LINDE116

REF 139TA5874

- L1 59,00 mm
- D1 9,50 mm
- AT-GL 2
- B1 66,00 mm
- B2 8,50 mm



LINDE110

REF 139TA5875

- L1 60,35 mm
- L2 38,30 mm
- D1 8,30 mm
- AT-GL 2
- B1 31,70 mm
- B2 7,00 mm



LINDE111

REF 139TA5780

- L1 96,00 mm
- D1 9,50 mm
- D2 40,00 mm
- AT-GL 3
- B1 57,10 mm
- B2 8,30 mm



CHAIN ANCHORS

TYPE S

LINDE111

REF 139TA5622

- L1 222,00 mm
- TA M24
- PM 2
- RH/LH RH
- L2 150,00 mm
- D1 9,50 mm
- AT-GL 3
- B1 58,00 mm
- B2 8,50 mm



LINDE111

REF 139TA5876

- L1 66,50 mm
- D1 9,52 mm
- AT-GL 3
- LG-GL U
- B1 46,20 mm
- B2 7,00 mm



LINDE119

REF 139TA5877

- L1 72,00 mm
- D1 10,40 mm
- AT-GL 4
- LG-GL I
- B1 87,00 mm
- B2 10,40 mm



LL1266

REF 139TA5878

- L1 50,00 mm
- L2 35,00 mm
- D1 6,00 mm
- AT-GL 3
- B1 34,50 mm
- B2 4,00 mm



LL1644

REF 139TA5879

- L1 140,00 mm
- D1 8,50 mm
- D2 17,00 mm
- AT-GL 2
- B1 28,50 mm
- B2 7,00 mm



LL1644

REF 139TA5880

- L1 141,00 mm
- D1 8,30 mm
- D2 17,00 mm
- AT-GL 2
- LG-GL U
- B1 28,50 mm
- B2 7,00 mm



LL1666

REF 139TA5881

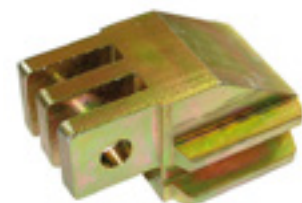
- L1 138,00 mm
- D1 8,00 mm
- D2 17,00 mm
- AT-GL 2
- LG-GL U
- B1 31,00 mm
- B2 6,10 mm



LL1666

REF 139TA5882

- L1 65,90 mm
- L2 35,60 mm
- D1 8,30 mm
- AT-GL 2
- B1 30,40 mm
- B2 6,50 mm



CHAIN ANCHORS

TYPE S

LL1666

REF 139TA5883

- L1 156,00 mm
- D1 8,20 mm
- D2 17,00 mm
- AT-GL 3
- LG-GL I
- B1 41,50 mm
- B2 6,70 mm



LL1666

REF 139TA5884

- L1 64,00 mm
- D1 8,30 mm
- D2 17,00 mm
- AT-GL 3
- LG-GL I
- B1 41,40 mm
- B2 6,80 mm



LL1666

REF 139TA5885

- L1 66,00 mm
- L2 46,00 mm
- D1 8,50 mm
- AT-GL 3
- LG-GL I
- B1 41,00 mm
- B2 6,80 mm



TY-K1, TY-K2, LL2066, F3166

REF 139TA5886

- L1 91,50 mm
- L2 39,00 mm
- D2 17,40 mm
- AT-GL 3
- B1 51,70 mm
- B2 8,30 mm



10B1

REF 139TA5887

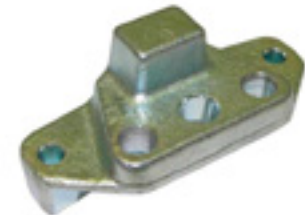
- L1 70,50 mm
- B1 21,50 mm



10B1

REF 139TA5888

- L1 74,00 mm



10B1

REF 139TA5889

- L1 78,50 mm
- D1 5,40 mm
- B1 13,40 mm



10B1

REF 139TA5890

- L1 41,50 mm
- AT-GL 2
- B1 41,50 mm
- B2 8,00 mm



CHAIN ANCHORS

TYPE S

8B1

REF 139TA5891

- L1 33,00 mm
- TA M8
- PM 1,25
- RH/LH LH
- L2 22,00 mm
- D1 4,40 mm
- LG-GL I
- B1 11,50 mm



8B1

REF 139TA5892

- L1 33,40 mm
- TA M8
- PM 1,25
- RH/LH RH
- L2 22,00 mm
- D1 4,50 mm
- D2 10,00 mm
- B1 11,20 mm





CHAIN SHEAVES

CHAIN SHEAVES

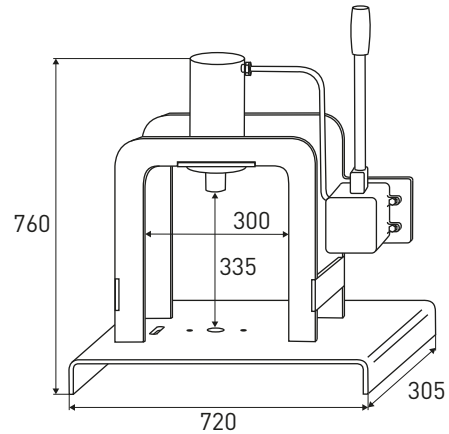
CHAIN SHEAVES

CHAIN SHEAVES				
	Inside diameter (mm)	Outside diameter (mm)	Chain type	REF
	35,00	82,00	BL534	104TA1859
	35,00	82,00	BL634	164TA7952
	35,00	86,00	BL546	109TA5894
	35,00	87,50	BL634	104TA1866
	35,00	91,50	BL623	119TA4207
	35,00	101,00	BL634	109TA5869
	35,50	90,00	BL834/BL644	140TA2978
	37,00	55,00	BL544	116TA2493
	38,00	91,00	BL844	116TA2583
	40,00	100,00	BL823	104TA1915
	40,00	104,00	BL823	104TA1914
	40,00	111,00	BL846	104TA1917
	40,00	124,00	BL646	104TA1921
	45,00	110,00	BL634	104TA1747
	60,00	110,00	BL866	104TA2874



MAINTENANCE, REPAIR & OPERATION

MULTIFUNCTIONAL MANUAL HYDRAULIC PRESS



REF [144TA6922](#)

This multifunctional hydraulic press is designed for:

- Cutting forklift chains
- Cutting and crimping of battery cables
- Pressing bearings

The press can be operated manually, but can also be set up for a dual control mode, allowing for the press to be operated by an additional external hydraulic unit.

The standard reference includes only the press, additional options can be bought separately (see next page for the references).



Accessories



REF [144TA8674](#)

Chain cutting tool kit
BL544KS TOYOTA – CESAB
TYPE 080 – 105 – 110 – 111 LINDE –
OM – STILL



REF [144TA8673](#)

Leaf chain cutting tool kit
AL4 – – EL4 – – BL4 – –
AL5 – – EL5 – – BL5 – –
AL6 – – EL6 – – BL6 – –
EL8 – – BL8 – –*



REF [144TA8857](#)

Battery cable cutting kit
Diameter: 16 – 25 – 35 – 50 – 70 –
90 mm²



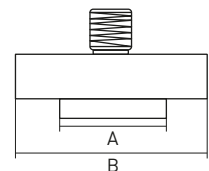
REF [144TA8858](#)

Tool kit for electric cables/connectors
Diameter: 16 – 25 – 35 – 50 – 70 mm²



REF [144TA8859](#)

Tool kit for cable press



A	B
17 mm	38 mm
20 mm	40 mm
20 mm	45 mm
25 mm	50 mm

CHAIN CUTTER & RIVETING TOOL

REF 163TA8744

The Tsubaki rollerchain breaker is designed for most common European and ANSI sizes reaching from 05B-1 up to 16B-1 and ANSI35-1 up to ANSI80-1. The TSUBAKI chain breaker is available from stock and supplied as complete set including toolset and assembly set.



CHAIN PULLER FOR ROLLER CHAINS

Type	ANSI	Pitch	DIN	REF
CB 25-60	25-35-40-50-60	1/4"-3/4"-6,35-19,05	06B-08B-10B-12B	122TA6905
CB 60-100	60-80-100	3/4"-1 1/4"-19,05-31,75	12B-16B-20B	122TA6906
CB 120-160	120-140-160	1 1/2"-2"-38,1-50,8	24B-28B-32B	122TA6907



CHAIN CUTTER & RIVETING TOOL FOR ROLLER CHAINS

Type	ANSI	DIN	REF
CP 35	35-60	06B-12B	122TA6908
CP 60	60-100	12B-20B	122TA6909
CP 80	80-200	16B-40B	122TA6910



CHAIN CUTTER FOR ROLLER CHAINS - W-TYPE

Type	ANSI	DIN	REF
Cutter 35-40W	35-1, 40-1, 35-2, 40-2	06B-1, 06B-2 081, 082, 083, 084, 085, 08B-1, 08B-2	122TA6911
Cutter 50W	50-1, 50-2, 60-1	10B-1, 10B-2, 12B-1, 12B-2	122TA6912
Cutter 60W	60-1, 60-2, 80-1	12B-1, 12B-2	122TA6913
Cutter 80W	80-1, 80-2	12B-1, 12B-2	122TA6914



CHAIN CUTTER FOR ROLLER CHAINS - S-TYPE

Type	ANSI	DIN	REF
Cutter 25S	25-1	05B-1	122TA6915
Cutter 35-40S	35-1, 40-1	06B-1, 08B-1, 081, 082, 083, 084, 085	122TA6916
Cutter 50S	50-1 (50H)	10B-1, 12B-1	122TA6917
Cutter 60S	60-1 (60H)	12B-1	122TA6918
Cutter 80S	80-1 (80H)	16B-1	122TA7322
Cutter 100S	100-1 (100H)	16B-1, 20B-1	122TA6919



PROFESSIONAL CHAIN WEAR GAUGE

REF [143TA3828](#)

Measure the degree of wear of a chain: a value of 2% or more means that the chain must be replaced.



TOTALSOURCE®

PROFESSIONAL CHAIN WEAR GAUGE

REF [163TA8743](#)

- Chain wear gauge in synthetic material
- Indicates the level of chain wear



TOTALSOURCE® CHAIN WEAR GAUGE

REF [164TA6638](#) - 5/8" & 3/4"

REF [164TA8084](#) - 1" & 1 1/4"

- Type 1
- New and unique design
- Suitable for measuring wear on 1/2" (12,7 mm) up to 1 1/4" (31,75 mm) chains, for types AL, LL and BL



CHAIN WEAR GAUGE FOR SUITABLE CHAIN TYPES



REF 164TA6644

Chain gauge set F50+BL12 to BL20

Pitch		Suitable chain types						REF
mm	inch	BL	LH	AL	LL	EL	F	
12,70	1/2"	BL4	LH8	AL4	LL8	EL4	F12	164TA8079
15,875	5/8"	BL5	LH10	AL5	LL10	EL5	F15	164TA8080
19,05	3/4"	BL6	LH12	AL6	LL12	EL6	F19	164TA8081
25,40	1"	BL8	LH16	AL8	LL16	EL8	F25	164TA8082
31,75	1 1/4"	BL10	LH20	AL10	LL20	EL10	F31	164TA8083
38,10	1 1/2"	BL12	LH24	AL12	LL24	EL12	F38	164TA6640
44,45	1 3/4"	BL14	LH28	AL14	LL28	EL14	F44	164TA6641
50,80	2"	BL16	LH32	AL16	LL32	EL16	F50	164TA6642
63,50	2 1/2"	BL20	LH40	AL20	LL40	EL20	F63	164TA6643

CUTTING DISCS STEEL/STAINLESS STEEL - STANDARD



REF 143TA3327 - Diameter: 115 x 1,2 mm

REF 143TA3328 - Diameter: 125 x 1 mm

REF 143TA3329 - Diameter: 230 x 3,0 mm

CUTTING DISCS STEEL/STAINLESS STEEL - REINFORCED



REF 143TA3334 - Diameter: 115 x 1 mm

REF 143TA3335 - Diameter: 125 x 1 mm

REF 143TA3336 - Diameter: 230 x 1,9 mm

ANGLE GRINDER

REF 145TA2582

- Rated power input: 1500 W
- No-load speed: 2800-11 500 rpm
- Power output: 820 W
- Grinding spindle thread: M14
- Disc diameter: 125 mm
- Wire cup brush, diameter: 75 mm
- Rubber sanding plate, diameter: 125 mm
- Length: 311 mm
- Height: 103 mm
- Weight: 2,4 kg

Advantages:

- Maximum performance and a high level of user protection
- Fast work progress due to powerful 1500 W motor with Constant Electronic
- Long lifetime due to motors with direct motor cooling, overload protection and long carbon brush lifetime
- Leading user protection due to kickback stop, restart protection, anti-rotation protective guard and vibration reduction
- Good handling due to slim housing with softgrip surface for a secure hold
- Large spindle lock button for easy and fast accessory changes
- 6-stage speed preselection for different materials
- Handle can be used on right or left



Original professional Bosch product

BOSCH

ANGLE GRINDER

REF 164TA6649

- Related power input: 2600 W
- No-load speed: 6500 rpm
- Power output: 2600 W
- Grinding spindle thread: M14
- Disc diameter: 230 mm
- Rubber sanding plate, diameter: 230 mm
- Length: 59 mm
- Height: 19,6 mm
- Weight: 5,6 kg

Advantages:

- Powerful 2600 W Champion motor for fast results
- Vibration reduced by up to 40% thanks to Vibration Control main and auxiliary handles to ensure low user fatigue
- Rotating bow handle for optimum grinding and cutting
- Restart protection prevents the tool from automatically restarting after a power cut
- Anti-rotation protective guard with quick adjustment – reliably protects the user if the grinding disc breaks
- Lowest weight in the 2600 W class (only 5,6 kg)
- KickBack Stop: detects when the disc is jammed and shuts down the tool immediately
- Starting current limitation and soft start of the machine
- SDS quick-locking nut for quick and easy disc changes
- Softgrip for comfortable handling of the machine



Original professional Bosch product

BOSCH





NUT SPLITTER



Double-edged, mechanic nut splitters

Pullback
TECHNOLOGY



				REF	Compatible with
10-27 mm	13/32"-1 1/16"	M6-M18	1	143TA6008	143TA6010
17-36 mm	11/16"-1 7/16"	M12-M24	1	143TA6009	143TA6011
Replacement chisel			1	143TA6010	143TA6008
Replacement chisel			1	143TA6011	143TA6009

13 PIECE CHISEL AND PUNCH SET WITH HAND PROTECTION

REF [142TA2969](#)

Contents:

- 4 flat chisels with hand protection:
 - 12 mm (length: 150 mm)
 - 15 mm (length: 180 mm)
 - 19 - 22 mm (length: 200 mm)
- 1 cape chisel with hand protection (length: 150 mm)
- 7 pin punches with hand protection:
 - 2 mm (length: 140 mm)
 - 3 mm (length: 150 mm)
 - 4 mm (length: 190 mm)
 - 5 mm (length: 200 mm)
 - 6 mm (length: 185 mm)
 - 6 mm (length: 210 mm)
 - 8 mm (length: 215 mm)
- 1 taper punch with hand protection: 6 mm (length: 185 mm)



FORCE
PROFESSIONAL TOOLS

VALVE ACTION PAINT MARKER

REF [107TA7486](#) - White

REF [107TA7487](#) - Yellow

- Pen with fast drying liquid paint
- Provides long-lasting, wear- and weather-resistant marks
- Marking range: -46 °C to 66 °C
- Surface uses: steel and iron, plastic, glass, pipes and tubes, rubber and tyres, textiles



1 REF = a box of 12 pieces

SET OF 6 PIN PUNCHES WITH SUPPORT

REF 125TA6799

Contents:

REF 125TA6792 – Diameter: 2 mm

REF 125TA6794 – Diameter: 4 mm

REF 125TA6796 – Diameter: 6 mm

REF 125TA6797 – Diameter: 8 mm

REF 125TA6798 – Diameter: 10 mm



HAMMER



REF 107TA7561

1000 g



COMBINATION PLIERS



- With cutting edges (hardness approx. 63 HRC) for soft and hard wire and piano wire
- Long cutting edges for thicker cables

Length	REF
180 mm	142TA1480*
225 mm	142TA1481*



LONG NOSE PLIERS



REF 142TA1486*

- With cutting edges (hardness approx. 61 HRC) for soft, medium-hard and hard wire
- Vanadium electric steel; forged, oil-hardened
- Length: 200 mm



*Blister pack

GRIP PLIERS



Gripping jaws: chrome-vanadium electric steel, forged

Length	Type	REF
100 mm	4WR	142TA1071
130 mm	5WR	142TA1072
175 mm	7WR	142TA1073
225 mm	10WR	142TA1074



11 PIECE DOUBLE OPEN ENDED WRENCH SET – INCH



REF [142TA3739](#)

Contents:

12 double open ended wrenches: 1/4" x 5/16" – 5/16" x 3/8" – 3/8" x 7/16" – 1/2" x 9/16" – 9/16" x 5/8" – 5/8" x 11/16" – 11/16" x 3/4" – 13/16" x 7/8" – 15/16" x 1 1/16" – 1" x 1 1/8" – 1 1/8" x 1 1/4"



12 PIECE DOUBLE OPEN ENDED WRENCH SET – METRIC



REF [142TA3732](#)

Contents:

12 double open ended wrenches: 6 x 7 – 8 x 9 – 10 x 11 – 12 x 13 – 14 x 15 – 16 x 17 – 18 x 19 – 20 x 22 – 21 x 23 – 24 x 27 – 25 x 28 – 30 x 32 mm



17 PIECE 1/2" HEXAGON COMBINATION SET

REF [151TA3843](#)

Contents:

- 12 hexagon sockets: 10 – 11 – 12 – 13 – 14 – 17 – 19 – 22 – 24 – 27 – 30 – 32 mm
- 1 x 72-teeth ratchet
- 1 sliding T-handle
- 2 extensions: 125 – 255 mm
- 1 universal joint



SPLIT PINS (COTTER PINS)

REF 107TA5462

- Set of 600 pieces
- Steel
- Metric
- DIN 94
- Sizes:
 - 1 x 25 mm
 - 1,6 x 32 mm
 - 2 x 40 mm
 - 2,5 x 40 mm
 - 3,2 x 40 - x 50 mm
 - 4 x 32 - x 50 mm
 - 5 x 50 mm



WORKING GLOVES

REF 107TA8083

- Cat I
- Cow split leather, cotton back with leather knuckle patch
- Palm patch
- Suitable for horticulture, woodworking, agriculture, construction, recycling ...
- TU (10)



OIL GRIP FULLY COATED

- REF 143TA7000 - Size: S
- REF 143TA7001 - Size: M
- REF 143TA6997 - Size: L
- REF 143TA6998 - Size: XL
- REF 143TA6999 - Size: XXL

Applications:

- Mechanical assembly and subcontracting (automotive industry)
- Construction and public works
- Petrochemistry

Advantages:

- New liquid repellent technology
- Excellent grip in an oily environment

Standard:

- Cat II
- EN 420
- EN 388:4131



Honeywell

FACE SCREEN

REF [143TA7066](#)

Features:

- Safe, practical, economical
- Integral visor fitting ensures extra protection against liquids and impacts
- Comfortable and lightweight, even during extended usage
- Visor can be tilted upwards and locked in any position
- Easy exchangeable visor in polycarbonate

Standard:

- Cat I
- EN 166

REF [143TA7067](#)

Economical replaceable acetate visor for REF [143TA7066](#).

Standard:

- Cat I
- EN 166



Honeywell

MULTIPLE POSITION EARMUFFS

REF [143TA7081](#) – SNR 30 dB

REF [143TA7082](#) – SNR 32 dB

Features & benefits:

- Adjustable headband allows wearer to select position: over the head, behind the neck or under the chin
- The alternative to ear cups fitted to hard hats: compatible with hard hats, face shields, breathing masks and other PPE
- Non-deforming outer headband withstands rough treatment in the toughest workplaces
- Elastic headband strap for better positioning
- Dielectric construction suitable for all workplaces
- Now with Air Flow Control™ technology

EN 352-1:2002

Sometimes blocking sound isn't enough. You need to block noise and let information in. These earmuffs use patented passive and electronic technologies that block noise out while alarms, warnings and even co-workers' voices can be heard more naturally.

- Amplifies ambient sounds
- Enhances user awareness of environment
- Allows wearer to hear important communications: alarms/warning signals, co-workers
- Directional microphones provide more natural hearing
- Ideal for hearing impaired workers
- Sound amplification does not exceed 82 dB
- Response technology reverts to passive hearing protector with noise above 82 dB
- Uniform headband pressure for all head sizes
- Broad ear cushions
- Spacious earcups allow plenty of room for outer ear, improves wearing comfort
- Provides better comfort, minimized pressure on head
- Soft, comfortable contact surface breathes easier in warm/humid climates
- Robust construction withstands rough treatment in the toughest environments
- Individual comfort setting remains fixed while wearing



Honeywell



Regulations:

- 29 CFR 1910.95 – OSHA Occupational Noise Exposure (US)
- ANSI S3.19-1974 – Attenuation Test Protocol (US)
- Part II, (R.S.C. 1985, c. L-2) – Canada Labour Code
- Z94.2-1994 – Attenuation Test Protocol (CAN)
- 2003/10/EC – EU Hearing Directive
- 89/686/EEC – EU Directive/PPE
- NOHSC: 1007 (2000) – National Standard for Occupational Noise (AUS/NZ)
- NR 15 – Security and Health of Work, Annexes 1 and 2, n° 3.214/1978 – Occupational Noise Regulations (BR)
- ANSI S12.6/1997 – Method B – Attenuation Test Protocol (BR)

Care + maintenance:

- Inspect – regularly examine earcups and ear cushions for cracks and leaks – discard if ear cups are visibly damaged or compromised
- Clean – wash earcups and ear cushions regularly with mild soap and water. They may not be dipped into water. Do not treat with any other substances, as the ear cushions may degrade and compromise use
- Replace – as ear cushions and foam inserts can degrade over time, replace these every 6-8 months under normal wear, or every 3-4 months with heavy use or in humid/extreme climates

Standard:

EN 352

SPECTACLES



REF 143TA4433
Spectacles for grinding

DISPOSABLE MASK

REF 140TA8670

Features & benefits:

- Rigid shell: shape maintained even in moistened and heavy loading environments
- Soft nose seal with absorption properties and a tight sealing film for a better comfort and fit
- Preformed and coloured nosebridge to save time to perfectly adjust the mask and to instantly identify its protection level
- Large internal volume to easily communicate and breathe
- Shielded exhalation valve with an exclusive design for an improved protection and a better breathing comfort



EC category PPE:
Cat III

Standard:
EN 149:2001

Valve:
Yes

Protection class:
FFP2

Mask type:
Moulded cup

Honeywell

FULL GRAIN LEATHER ANKLE SHOE (EN 20345 S3 SRC) – 7201BKK

EU	UK	USA	J	REF
38	5	6	24	140TA8627
39	6	7	24.5	140TA8628
40	6.5	7.5	25.5	140TA8629
41	7	8.5	26.5	140TA8630
42	8	9	27	140TA8631
43	9	10	28	140TA8632
44	10	10.5	28.5	140TA8633
45	10.5	11.5	29.5	140TA8634
46	11	12	30	140TA8635
47	12	13	31	140TA8636

- 3D Fresh lining
- Composite toecap, 200 joules
- Composite fibre penetration-proof insole
- Carbon inner sole
- Polyurethane outsole
- Waterproof
- Metal free



Beta
Beta Utensil S.p.A. Authorized Dealer

BRAKE CLEANER

REF 134TA3719

- High-quality brake cleaner with high dissolving properties
- Leaves no residue and is non-conductive and non-corrosive
- This cleaner has a powerful jetspray for:
 - drum & disc brakes
 - brake linings
 - calipers
 - shoes
- 500 ml



TOTAL SOURCE®

HIGH SPEED CHAIN OIL

REF 143TA6909

- Chain lubricant, water resistant (water resistant, chain lubricant)
- Penetrates deeply into vital chain pin and bushing areas
- Forms an adhering, long lasting lubricant film
- Reduces friction and wear
- Reduces noise and vibration
- Extends chain life
- O-ring compatible
- Harmless to metals and most plastics and rubbers
- Does not contain chlorinated solvents
- 500 ml

Applications:

Chain drives, sprockets, wire ropes, hoists, open gears, conveyors, forklifts, tractors and farm equipment, pulleys



5-56 + PTFE UNIVERSAL OIL SPRAY

REF 143TA6901

- Multifunctional service fluid for use in the professional mechanic maintenance
- Repulses moisture and prevents electrical failure
- Provides a good protection against corrosion
- Cleans and protects surfaces contaminated by machining or handling
- 500 ml



CHAIN SPRAY

REF 105TA4644

- High-quality spray to lubricate chaindriven transmissions that are subject to heavy load
- To be processed like oil, with the properties of grease
- Resistant to weather influence, to weak acids and bases
- Water-repellent
- 400 ml



TOTAL SOURCE®

FREEZE & RELEASE

REF 143TA3555

- Lubricant - emergency repair
- Shock freezing (-40 °C).
- Releases rusted, corroded and seized components
- Wicks directly into the rust by capillary action
- Universal application
- Bactericide-free
- Highly resistant to micro-organisms, bacteria and fungi
- Excellent cooling and lubrication performance
- Low foaming



LOCTITE®

LOW STRENGTH THREADLOCKER

REF 143TA3464

- Low strength, general purpose
- Max thread size: M36
- Service temperature range: -55 to 150 °C
- Strength: medium
- Breakaway torque: 6 Nm
- Viscosity: 900–1500 mPa·s
- Fixture time: 25 min
- P1 NSF
- 50 ml

Loctite 222:

- Ideal for low-strength thread locking of adjusting screws, countersunk head screws and set screws
- Good on low strength metals which could break during disassembly, e.g. aluminium or brass



LOCTITE®

MEDIUM STRENGTH THREADLOCKER

REF [143TA3441](#) – 5 ml

REF [143TA3443](#) – 10 ml

REF [143TA3459](#) – 50 ml

- Medium strength, general purpose, oil tolerant
- Max thread size: M36
- Service temperature range: -55 to 150 °C
- Strength: medium
- Breakaway torque: 26 Nm
- Viscosity: 1300–3000 mPa·s
- Fixture time: 10 min
- P1 NSF

Loctite 243:

- Works on all metals, including passive substrates (e.g. stainless steel, aluminium, plated surfaces)
- Proven to tolerate slight contaminations of industrial oils, e.g. engine oils, corrosion prevention oils and cutting fluids
- Prevents loosening on vibrating parts, e.g. pumps, gear boxes or presses
- Permits disassembly with hand tools for servicing



LOCTITE

TOTALSOURCE® HAND CLEANING WIPES

REF [147TA3378](#)

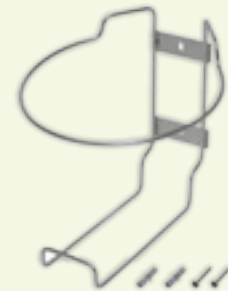
- Box 100 wipes
- Dimensions wipes: 27 x 27 cm

REF [147TA3379](#)

- Box 40 wipes
- Dimensions wipes: 15 x 20 cm
- Wipes in non-woven fabric
- Fast and easy cleaning without water and soap
- With citrus solvent
- Antibacterial additive
- Suitable for removing paint, tar, rust, glue, grease, oil, lubricants etc.
- Tested according to EN 1276 and EN 12504
- Cleaning power: ++++



TOTALSOURCE



REF [147TA3380](#)

Stainless steel wall bracket
(can be used for REF [147TA3378](#))