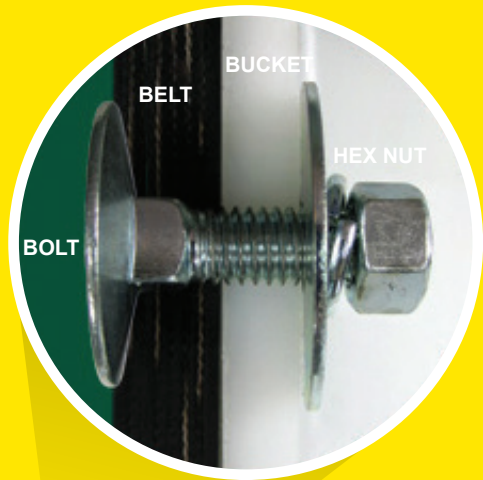


ELEVATOR BOLTS




4B GROUP




A Worldwide Manufacturer of
High Quality, Technologically Advanced
Material Handling & Electronic Components

BETTER BY DESIGN


ELEVATOR BOLTS




4B EURO BOLT
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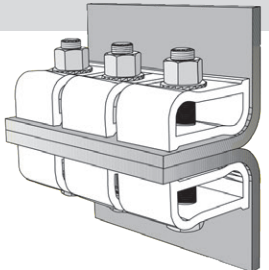
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ELEVATOR BELT FASTENERS
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4B EURO BOLT



AVAILABLE IN STEEL/STAINLESS STEEL

- > Manufactured to approx. DIN15237
- > ISO grade 5.8 (exceeds DIN15237)
- > Large bolt head diameter
- > Fully threaded
- > Available as zinc plated, self-colour or stainless

- > Alternative choice of packings:
 - Bolt, hex nut & domed washer boxed/100
 - Bolt only, bulk packed in bags
- > Bolt torque rating dependent on bucket & belt size



For steel buckets with recessed holes use: Bolt, hexagon nut and large domed washer.



For steel buckets with flat holes use: Bolt, hexagon nut and small flat washer.



For plastic buckets use: Bolt, hexagon nut and large flat washer.



Bolt, hex nut, small washer (boxed/100) - weight Kg/100

REF.	HEAD Ø (mm)	MAX. BOLT TORQUE (Nm)	BOLT LENGTH (measured overall)									
			20 (mm)	22 (mm)	25 (mm)	30 (mm)	35 (mm)	40 (mm)	45 (mm)	50 (mm)	60 (mm)	70 (mm)
M6	21	8	1.28	-	1.38	1.50	-	-	-	-	-	-
M7	23	13	1.82	1.94	2.10	2.16	2.22	-	-	-	-	-
M8	28	20	2.98	2.00	3.00	3.02	3.37	3.72	3.88	3.94	-	-
M10	35	36	-	-	5.42	5.43	5.44	5.84	6.02	6.18	-	-
M12 ¹⁾	42	65	-	-	-	-	-	9.24	-	4.96*	5.36*	5.60*

1) Not available in stainless steel / * Weight Kg/50

Bolts Only (bulk packet) - weight Kg/packet

REF.	BOLT LENGTH (measured overall)										Qty
	20 (mm)	22 (mm)	25 (mm)	30 (mm)	35 (mm)	40 (mm)	45 (mm)	50 (mm)	60 (mm)	70 (mm)	
M6	19.4	-	20.8	21.4	-	-	-	-	-	-	2000
M7	20.1	21.3	22	24.2	17.5*	-	-	-	-	-	1500
M8	10.1	11.1	11.3	12.3	13	13.7	14.3	14.9	-	-	500
M10	-	-	18.8	20	21	22.3	23.7	12.6**	-	-	500
M12 ¹⁾	-	-	-	-	15.9	16.7	17.7	18.7	20.8	23.2	250

1) Not available in stainless steel / * Packed in 1000's / ** Packed in 250's

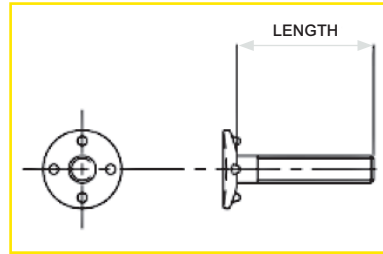
REF 70 BOLTS

4B REF 70™ BOLT



AVAILABLE IN STEEL / STAINLESS STEEL

- > Steel – ISO grade 5.8 (exceeds DIN 15237)
- > Concave head with 4 lugs on the underside to prevent rotation when tightening
- > Hexagon nut and small flat washer included
- > Available in Whitworth thread or metric thread
- > Zinc plated (self colour on special request)
- > Bolt torque rating dependent on bucket & belt size



REF.	HEAD Ø (mm)	MAX. BOLT TORQUE (Nm)	BOLT LENGTH (measured from under the bolt head) Kg/100								
			1/2" 12 (mm)	3/4" 20 (mm)	1" 25 (mm)	1 1/4" 30 (mm)	1 1/2" 40 (mm)	1 3/4" 45 (mm)	2" 50 (mm)	2 1/4" 55 (mm)	2 1/2" 65 (mm)
1/4" BSW M6	17	5	1.04	1.18	1.24	1.48	1.56	-	-	-	-
5/16" BSW M8	23	10	-	2.08	2.38*	2.54*	2.90*	-	3.24	-	-
3/8" BSW M10	27	18	-	-	3.94	4.44*	4.80*	5.08*	5.36*	5.50	5.72
1/2" BSW M12	35	42	-	-	-	7.44	7.78	8.12	8.44	9.08	-

* Available in stainless steel

4B LARGE OVAL WASHER



AVAILABLE IN ZINC-PLATED STEEL/STAINLESS STEEL

- > Use with Ref 70™ bolts in heavy duty applications
- > Locates over 4 lugs on bolt head, increasing effective bolt head size and bolt holding
- > Belt must be thick enough to absorb the washer and / or the bucket belt holes should be recessed
- > Not recommended on pulley diameters of less than 20" (500mm)
- > Fit the longest part of the oval across the belt width

REF.	Ø	(mm)	Kg/100
LOW1	1/4" M6	33/45	1.44
LOW2	5/16" M8*	37/50	2.22
LOW3	3/8" M10*	45/57	2.90
LOW4	1/2" M12*	53/63	3.94

* Available in stainless steel

EASIFIT BOLTS / FANG BOLTS

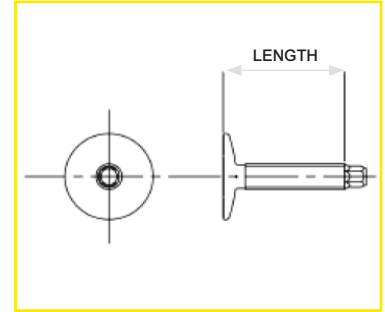


4B EASIFIT BOLTS



AVAILABLE IN STEEL/STAINLESS STEEL

- > Supplied with small washer and nylon insert locknut
- > Shank formed with hexagon tip. Special tool grips this hexagon, stopping bolt rotation while simultaneously driving the self-locking nut on (or off) in one easy operation
- > Speeds fitting and removal of bolts
- > Improves elevator safety
- > Reduces belt damage caused by standard bolts
- > UNF thread
- > Bolt torque rating dependent on bucket & belt size



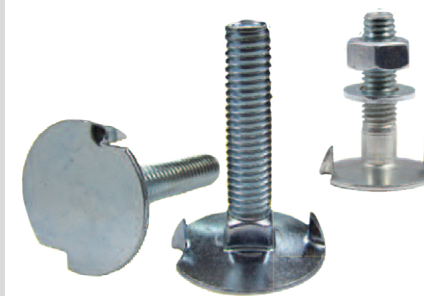
REF.	HEAD Ø (mm)	MAX. BOLT TORQUE (Nm)	BOLT LENGTH (measured from top of the head to end of the thread) Kg/100					
			3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"
1/4" UNF	25	12	1.82	1.88*	2.04	-	-	-
5/16" UNF	30	25	2.84*	3.02*	3.24	3.48	3.68	-
3/8" UNF	32	46	-	4.56	4.70*	5.10*	5.50	5.90

Standard zinc plated, self colour and stainless options on request - Stainless bolts are "special". Please check stock and delivery situation before ordering.

Easifit elevator bolts require a specialized ratchet. The ratchet has been designed to grip the hexagon tip, holding the bolt in place while the nut is tightened. The ratchet is available in either a standard hand model or in a pneumatic air version.

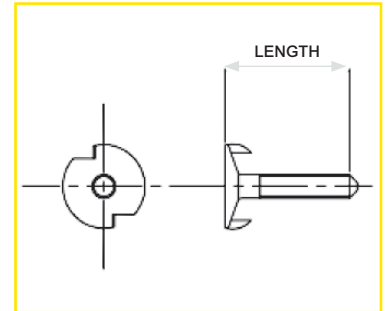


4B FANG BOLTS



AVAILABLE IN STEEL/STAINLESS STEEL

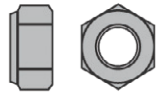
- > Unique Design – fangs bite into belt, locking bolt in place while nut is tightened
- > Eases fitting and removal of nut
- > Large bolt head diameter = maximum resistance to pull through
- > Flat bolt head – pulls fully flush into belt - reduces risk of rip out of bolt due to head protruding from back of belt
- > Suitable for recessed or non recessed bolt holes
- > Ideal for CC-S buckets
- > Bolt torque rating dependent on bucket & belt size



REF.	HEAD Ø (mm)	MAX. BOLT TORQUE (Nm)	BOLT LENGTH (measured overall) Kg/100						
			20 (mm)	25 (mm)	30 (mm)	35 (mm)	40 (mm)	45 (mm)	80 (mm)
M6	25	11	1.56	1.82	-	-	-	-	-
M8	30	27	-	2.76	2.02	-	3.24	-	-
M10	27	47	-	-	4.90	5.12	5.34	5.56	-

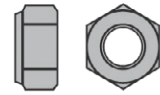
Standard zinc plated, self colour and stainless options on request

METRIC NYLON INSERT SELF LOCKING NUT (DIN 985)



Ref.	Ø	Kg/100
NY06	M6	0.15
NY07	M7	0.20
NY08	M8	0.48
NY10	M10	1.10
NY12	M12	1.50

BSW NYLON INSERT SELF LOCKING NUT (P-TYPE)



Ref.	Ø	Kg/100
NY1	1/4"	0.44
NY2	5/16"	0.76
NY3	3/8"	0.97
NY4	1/2"	2.72

HEXAGON LOCKNUTS (HALF NUTS)



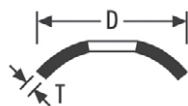
Ref.	Ø	Kg/100
HN2	5/16" BSW	0.34
HN3	3/8" BSW	0.54
HNM8	M8	0.48
HNM10	M10	0.90

EASIFIT HAND TOOL



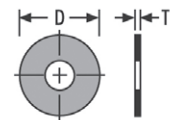
Ref.	Ø
EFHT1	1/4"
EFHT2	5/16"
EFHT3	3/8"

DOMED WASHER THIN (NOT DIN) STAINLESS STEEL 304 ONLY



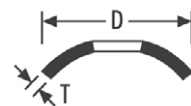
Ref.	Ø	D	T	Kg/100
DW06 304S	M6	25	1.0	0.45
DW08 304S	M8	32	1.0	0.65
DW10 304S	M10	40	1.0	1.50

STAINLESS FENDER/REPAIR WASHER (MUDGUARD WASHER)



Ref.	Ø	D	T	Kg/100
FW1S	M6	25	1.5	0.50
FW2S	M8	30	1.5	0.70
FW3S	M10	30	1.5	0.92

DOMED WASHER DIN 15237 MILD STEEL



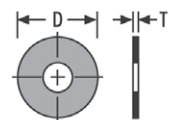
Ref.	Ø	D	T	Kg/100
DW06	M6/M7	25	1.5	0.60
DW08	M8	32	1.5	0.90
DW10	M10	40	2.0	1.80
DW12	M12	50	2.0	2.70

EASIFIT AIR TOOL



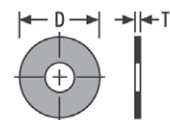
Ref.	Ø
EFAT1	1/4"
EFAT2	5/16"
EFAT3	3/8"
EFAT4	1/2"

RUBBER WASHER



Ref.	Ø	D	T	Kg/100
RW2	M8	25	5	0.18
RW3	M10	30	5	0.28

STEEL FENDER/REPAIR WASHER (MUDGUARD WASHER)



Ref.	Ø	D	T	Kg/100
FW1	M6	25	1.5	0.35
FW2	M8	25	1.5	0.81
FW3	M10	30	1.5	0.79
FW4	M12	38	1.5	1.24

SINGLE COIL SPRING WASHER



Ref.	Ø	Kg/100
SP1	M8 / 5/16"	0.02
SP2	M10 / 3/8"	0.04

SHAKE PROOF LOCK WASHER

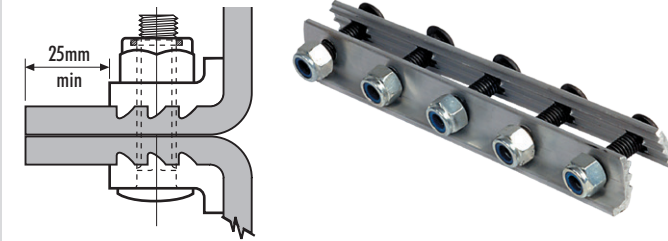


Ref.	Ø	Kg/100
SHM1	M6	0.02
SHM2	M8	0.03
SHM3	M10	0.04

4B GRIPWELL

LIGHT DUTY FASTENER

- > For elevator belts up to 630 kN/m and up to 7.0mm max. thickness
- > Vice grip between serrated jaws
- > For longer joints use 2 fasteners of equal length per joint. e.g. 2 x 150mm Gripwell fasteners for a 300mm wide belt

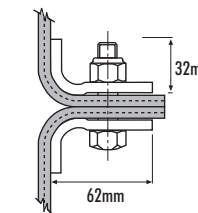
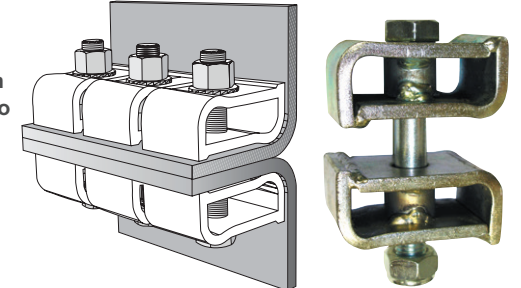


Belt Width (in)	Belt Width (mm)	Actual Length (mm)	Bolt Holes (mm)	Bolt Ø (mm)	Hole Centres (mm)
2	50	45	2	8	25
2 1/2	65	57	2	8	33
3	75	70	2	8	43
3 1/2	90	83	3	8	2x28
4	100	96	3	8	2x33
4 1/2	115	109	3	8	2x42
5	125	122	4	8	3x32
5 1/2	140	134	4	8	3x36
6	150	147	4	8	3x40
6 1/2	165	160	5	8	4x33
7	175	172	5	8	4x36
8	200	198	6	8	5x34
9	225	223	6	8	5x40
10	250	248	7	8	6x37
11	275	273	7	8	6x41
12	300	299	8	8	7x39

4B SUPERGRIP SYSTEM

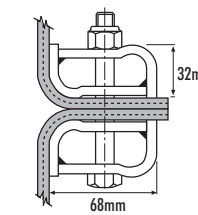
- > Easy to fit modular system of 50mm segments
- > 4 versions available for belts up to 1250 kN/m without thickness limitation
- > Each assembly comprises 2 half joints, high tensile bolt & self-locking nut
- > With standard nylon nuts - max temp. 80° C, for temp. 80° C+ specify Philidas nuts
- > Available in stainless steel

Example of joint using 3 Supergrips on a belt of 150 to 195mm wide.
25mm minimum belt projection for all sizes.



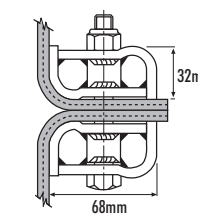
SUPERGRIP NO.1

- > Belt Strength - 500kN/m max.
- > Weight - 0.5Kgs
- > M14 Bolts



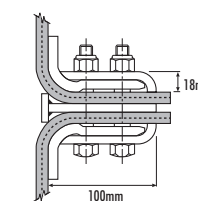
SUPERGRIP NO.2

- > Belt Strength - 630kN/m max.
- > Weight - 0.8Kgs
- > M14 Bolts



SUPERGRIP NO.3

- > Belt Strength - 800kN/m max.
- > Weight - 0.85Kgs
- > M14 Bolts



SUPERGRIP NO.4

- > Belt Strength - 1000 & 1250kN/m max.
- > Weight - 1.83Kgs
- > M16 Bolts

Bespoke belt clamps available for belts over 1250kN/m. Contact 4B's technical department.



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