

BOLT 'N' GO

Flight Installation and Chain Assembly Made Easy!

The Bolt 'N' Go flight system is a revolutionary assembly method for drop forged and round link conveyor chain.

Features

- Easy and simple assembly on site or in the shop
- Precise calculated flight bending forces
- No welding required
- Guaranteed and reliable pin attachment
- Condensed storage and shipping costs
- Forged chain and round link chain compatible
- Plastic flight option (high density polyethylene or nylon)
- Steel flight option (drop forged chain only)

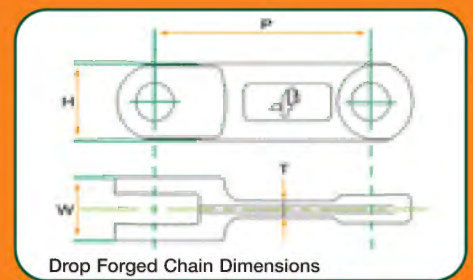
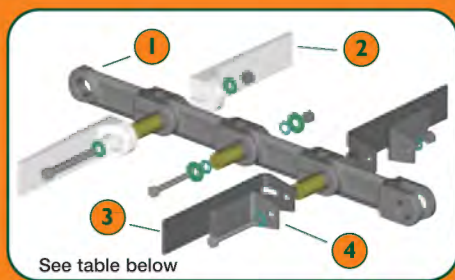
Drop Forged Chain

Link and flight assembly are made easy by using a standard bolt and nut with a high strength hollow pin. There are no circlips to become loose and there is no intricate assembly. There is no welding required on the flights, no need to remove chain form the conveyor for installation, and no issues with strength. Just bolt the links and the flights together. It's easy, simple and reliable!

U.S. Patent #7,080,728
Other Patents Pending



Forged Chain with Bolt 'n' Go Flights



Bolt 'n' Go System is available on 3 Drop Forged Chain sizes

No.	Description	102NA Link	142NA Link	142HA Link
1	Drop Forged Chain Link	4B102BNA	4B142BNA	4B142BHA
2	Attachable Plastic Flight (Max.Width 600mm)	4B102BFP (HDP) 4B102BFN (Nylon) (400mm)	4B142BFP (HDP) 4B142BFN (Nylon)	4B142BFP (HDP) 4B142BFN (Nylon)
3	Attachable Steel Flight (Max.Width 600mm)	4B102BF (400mm)	4B142BF (600mm)	4B142BF (600mm)
4	Reinforcement Plate (For Flights Over 400mm)	Not Required	4B142BBF	4B142BBF
5	Bolt 'n' Go Assembly Kits (Pins included)	4B102NPAC - No Flights 4B102NPAF - Flights	4B142NPAC - No Flights 4B142NPAF - Flights	4B142HPAC - No Flights 4B142HPAF - Flights



Bolt 'n' Go - Drop Forged Chain Link

Link	P	H	A	T	Weight	Min. Breaking Load	Case Hardness	Case Depth	Core Hardness
4B102BNA	102 mm 4.02 in	36 mm 1.42 in	28 mm 1.10 in	7.62 mm 0.30 in	0.38 Kg 0.80 Lbs	150 Kn 33,000 Lbs	Rockwell C57/64	0.5 mm 0.02 in	Rockwell C40
4B142BNA	142 mm 5.59 in	50 mm 1.97 in	42 mm 1.65 in	11 mm 0.43 in	1.08 Kg 2.38 Lbs	300 Kn 67,500 Lbs	Rockwell C57/64	0.7 mm 0.03 in	Rockwell C40
4B142BHA	142 mm 5.59 in	50 mm 1.97 in	62 mm 2.44 in	16.5 mm 0.65 in	1.76 Kg 3.88 Lbs	450 Kn 101,000 Lbs	Rockwell C57/64	0.7 mm 0.03 in	Rockwell C40

BOLT 'N' GO

Round Link Chain

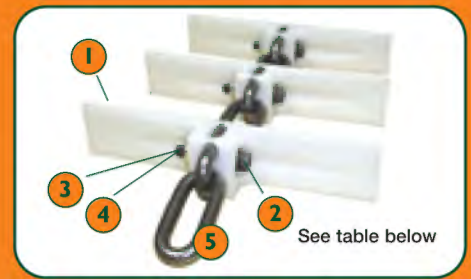
Easy flight assembly by using a standard bolt and nut, connecting the flights directly to the link. The chain can be supplied in a coil together with the bolt on flights already assembled.



FREE Engineering Design Service - Contact 4B



Round Link Chain with Bolt 'n' Go Flights



Bolt 'N' Go - Round Link Chain Size 13 x 65mm

ABSORBED POWER (KW)

		Conveyor Length - Meters										
		15	20	25	30	35	40	45	50	60	70	80
Capacity t/h	50	1.7	2.2	2.8	3.4	3.9	4.5	5.0	5.6	6.7	7.9	9.0
	75	2.2	2.9	3.7	4.4	5.1	5.8	6.6	7.3	8.8	10.2	11.7
	100	3.1	4.1	5.1	6.1	7.2	8.2	9.2	10.2	12.3	14.3	16.4
	150	4.4	5.9	7.4	8.9	10.4	11.8	13.3	14.8	17.8	20.7	23.7
	200	5.8	7.8	9.7	11.7	13.6	15.6	17.5	19.5	23.4	27.3	31.2

CHAIN PULL (kN)

		Conveyor Length - Meters										
		15	20	25	30	35	40	45	50	60	70	80
Capacity t/h	50	2.8	3.7	4.7	5.6	6.5	7.5	8.4	9.3	11.2	13.1	15.0
	75	3.7	4.9	6.1	7.3	8.5	9.7	11.0	12.2	14.6	17.1	19.5
	100	4.4	5.8	7.3	8.8	10.2	11.7	13.2	14.6	17.5	20.5	23.4
	150	5.9	7.9	9.9	11.8	13.8	15.8	17.8	19.7	23.7	27.6	31.6
	200	7.3	9.7	12.2	14.6	17.1	19.5	21.9	24.4	29.2	34.1	39.0

MINIMUM CHAIN UTS (kN) - 5.1 SAFETY FACTOR

		Conveyor Length - Meters										
		15	20	25	30	35	40	45	50	60	70	80
Capacity t/h	50	14.0	18.7	23.4	28.0	32.7	37.4	42.1	46.7	56.1	65.4	-
	75	18.3	24.4	30.4	36.5	42.6	48.7	54.8	60.9	73.1	-	-
	100	21.9	29.2	36.5	43.9	51.2	58.5	65.8	73.1	-	-	-
	150	28.3	37.8	47.2	56.6	66.1	-	-	-	-	-	-
	200	33.7	44.9	56.2	67.4	-	-	-	-	-	-	-
	250	39.4	52.5	65.6	-	-	-	-	-	-	-	-
	300	45.0	60.0	-	-	-	-	-	-	-	-	-

#	Description	Part Number
1	Attachable Plastic Flight	4B1365BPF
2	M10 x 45 Bolt	4B142BM1045HEX
3	Washer (Not Shown)	4B142BM10W
4	Nylock Nut	4B142BM1045NYL
5	Round Link Chain	4B1365BRL
6	Link Connector	4B1365BC

Link Material: Case Hardened Steel
Flight Material: High Density Polyethylene
Bolt Material: Carbon Steel



Bolt 'N' Go System Round Link Chain Application on a Conveyor