

Designed to replace existing HuckFit, HP8 and C50L pull-type fasteners, BobTail combines rugged installation tools with a precisely engineered fastener to deliver superior value and performance. It goes above and beyond anything AFS has ever produced for the heavy-duty fastener market and will continue to be the standard "for the long haul."

50% Faster installations

2 second cycle time versus 4 seconds for the C50L
Faster overall railcar construction assembly time with 100% Huck Bobtail
Pilot point insertion

Low cost transition to new system

Utilizes the same rigs as C50L and Light weight tools

Lower tool maintenance costs

Increased "puller" life – no shock of pinbreak
Increased anvil life – lower swage loads
Increased piston & seal life with lower hydraulic operating pressure

Lower per piece fastener cost

Less wasted material equals a lower price
Reduced freight cost by reducing the pintail

Proximity switch inside puller

Guaranties the puller head is fully engaged on the BobTail

More efficient handling

No pintails to catch and toss
Easier bolt insertion into limited clearance areas
Quicker speeds 'on the bolt'
More fasteners per carton reducing boxes

Safe & silent installations

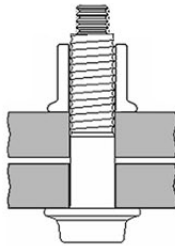
Eliminates pin-break shock
Noise reduction
Eliminates hammering of impact tools
Reduced repetitive motion symptoms – carpal tunnel and white finger

Light weight tooling

Reduces worker fatigue
Easier bolt insertion into limited clearance areas
Increased production

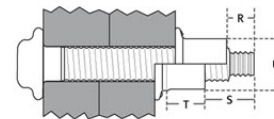
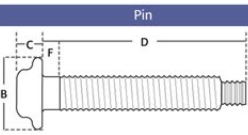
Large diameter head style available

Provides large bearing surface area for aluminum car construction
Aluminum and Stainless Steel Caps available for additional corrosion protection
Seal for under head available



APPLICATIONS

- Automotive
- Commercial vehicle bodies
- Trailers
- Buses
- Trains
- General sheet metal fabrication



Minimum Installed Values

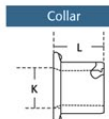
Fastener	Shear kN	Tensile Plated Kn	Clamp kN
MBT-D12	65.4	87.7	64.9
MBT-D14	94	120	87
MBT-D16	122	163	116
MBT-D20	191	255	181

Material:

Pin: 10.9 grade medium carbon alloy steel
Collar: Low carbon steel

Standard Coating:

Pin: No Suffix - Black oil finish
"G" Suffix - Mechanical zinc plating with clear chromate
Collar: Zinc plating with black chromate



Installed Fastener Dimensions

R Max mm	S Max mm	T Min mm	U Max mm	Collar Type
11.1	23.7	13.1	17.3	Round collar
11.1	24.6	15.5	20.2	Round collar
11.1	23.3	17.4	23.1	Round collar
14	26.7	21.8	28.8	Round collar

Collar Dimensions

Part Number	K Max mm	L Max mm
MBTC-R12BL	25.4	17.7
MBTC-R14BL	29.6	21.5
MBTC-R16BL	33.8	23.7
MBTC-R20BL	42.1	29.6

Uninstalled Dimensions and Grip Ranges

Part Number	Nom Dia mm	Min Grip mm	Max Grip mm	Hole Size mm	Min Max Max Max Nominal				
					Hole Size mm	B mm	C mm	D mm	F mm
MBT-DT12-10	12.0	5	15	12	13.5	25.4	9.6	46.1	3.8
MBT-DT12-15	12.0	10	20	12	13.5	25.4	9.6	51.1	3.8
MBT-DT12-20	12.0	15	25	12	13.5	25.4	9.6	56.1	3.8
MBT-DT12-25	12.0	20	30	12	13.5	25.4	9.6	61.1	3.8
MBT-DT12-30	12.0	25	35	12	13.5	25.4	9.6	66.1	3.8
MBT-DT12-35	12.0	30	40	12	13.5	25.4	9.6	71.1	3.8
MBT-DT12-40	12.0	35	45	12	13.5	25.4	9.6	76.1	3.8
MBT-DT12-45	12.0	40	50	12	13.5	25.4	9.6	81.1	3.8
MBT-DT12-50	12.0	45	55	12	13.5	25.4	9.6	86.1	3.8
MBT-DT12-55	12.0	50	60	12	13.5	25.4	9.6	91.1	3.8
MBT-DT12-60	12.0	55	65	12	13.5	25.4	9.6	96.1	3.8
MBT-DT12-65	12.0	60	70	12	13.5	25.4	9.6	101.1	3.8
MBT-DT12-70	12.0	65	75	12	13.5	25.4	9.6	106.1	3.8
MBT-DT12-75	12.0	70	80	12	13.5	25.4	9.6	111.1	3.8
MBT-DT12-80	12.0	75	85	12	13.5	25.4	9.6	116.1	9.5
MBT-DT14-10	14.0	5	15	14	15.5	30.0	11.5	49	3.8
MBT-DT14-15	14.0	10	20	14	15.5	30.0	11.5	54	3.8
MBT-DT14-20	14.0	15	25	14	15.5	30.0	11.5	59	3.8
MBT-DT14-25	14.0	20	30	14	15.5	30.0	11.5	64	3.8
MBT-DT14-30	14.0	25	35	14	15.5	30.0	11.5	69	3.8
MBT-DT14-35	14.0	30	40	14	15.5	30.0	11.5	74	3.8
MBT-DT14-40	14.0	35	45	14	15.5	30.0	11.5	79	3.8
MBT-DT14-45	14.0	40	50	14	15.5	30.0	11.5	84	3.8
MBT-DT14-50	14.0	45	55	14	15.5	30.0	11.5	89	3.8
MBT-DT14-55	14.0	50	60	14	15.5	30.0	11.5	94	3.8
MBT-DT14-60	14.0	55	65	14	15.5	30.0	11.5	99	3.8
MBT-DT14-65	14.0	60	70	14	15.5	30.0	11.5	104	3.8
MBT-DT14-70	14.0	65	75	14	15.5	30.0	11.5	109	3.8
MBT-DT14-75	14.0	70	80	14	15.5	30.0	11.5	114	9.5
MBT-DT14-80	14.0	75	85	14	15.5	30.0	11.5	119	9.5

Uninstalled Dimensions and Grip Ranges

Part Number	Nom Dia mm	Min Grip mm	Max Grip mm	Hole Size mm	Min Max Max Max Nominal				
					Hole Size mm	B mm	C mm	D mm	F mm
MBT-DT16-10	16.0	5	15	16	17.5	33.8	12.2	52.0	3.8
MBT-DT16-15	16.0	10	20	16	17.5	33.8	12.2	57.0	3.8
MBT-DT16-20	16.0	15	25	16	17.5	33.8	12.2	62.0	3.8
MBT-DT16-25	16.0	20	30	16	17.5	33.8	12.2	67.0	3.8
MBT-DT16-30	16.0	25	35	16	17.5	33.8	12.2	72.0	3.8
MBT-DT16-35	16.0	30	40	16	17.5	33.8	12.2	77.0	3.8
MBT-DT16-40	16.0	35	45	16	17.5	33.8	12.2	82.0	3.8
MBT-DT16-45	16.0	40	50	16	17.5	33.8	12.2	87.0	3.8
MBT-DT16-50	16.0	45	55	16	17.5	33.8	12.2	92.0	9.5
MBT-DT16-55	16.0	50	60	16	17.5	33.8	12.2	97.0	9.5
MBT-DT16-60	16.0	55	65	16	17.5	33.8	12.2	102.0	9.5
MBT-DT16-65	16.0	60	70	16	17.5	33.8	12.2	107.0	9.5
MBT-DT16-70	16.0	65	75	16	17.5	33.8	12.2	112.0	9.5
MBT-DT16-75	16.0	70	80	16	17.5	33.8	12.2	117.0	9.5
MBT-DT16-80	16.0	75	85	16	17.5	33.8	12.2	122.0	9.5
MBT-DT16-120	16.0	115	125	16	17.5	33.8	12.2	162.0	9.5
MBT-DT20-10	20.0	5	15	20	22.0	42.4	16.0	60.7	3.8
MBT-DT20-15	20.0	10	20	20	22.0	42.4	16.0	65.7	3.8
MBT-DT20-20	20.0	15	25	20	22.0	42.4	16.0	70.7	3.8
MBT-DT20-25	20.0	20	30	20	22.0	42.4	16.0	75.7	3.8
MBT-DT20-30	20.0	25	35	20	22.0	42.4	16.0	80.7	3.8
MBT-DT20-35	20.0	30	40	20	22.0	42.4	16.0	85.7	3.8
MBT-DT20-40	20.0	35	45	20	22.0	42.4	16.0	90.7	3.8
MBT-DT20-45	20.0	40	50	20	22.0	42.4	16.0	95.7	3.8
MBT-DT20-50	20.0	45	55	20	22.0	42.4	16.0	100.7	3.8
MBT-DT20-55	20.0	50	60	20	22.0	42.4	16.0	105.7	3.8
MBT-DT20-60	20.0	55	65	20	22.0	42.4	16.0	110.7	3.8
MBT-DT20-65	20.0	60	70	20	22.0	42.4	16.0	115.7	9.5
MBT-DT20-70	20.0	65	75	20	22.0	42.4	16.0	120.7	9.5
MBT-DT20-75	20.0	70	80	20	22.0	42.4	16.0	125.7	9.5
MBT-DT20-80	20.0	75	85	20	22.0	42.4	16.0	130.7	9.5

Fastener Diameter	Tool	Nose Assembly Installation	Powerig	Powerig	Hose Set	Tool Weight
12mm	BTT25	99-7850	99-7850CC	HK432BT	128461-12 or 26	4.8Kg
12mm	BTT20SF	99-7880	99-7880CC	HK432-2	HS-10-MCE	5.2Kg
14mm	BTT25	99-7854	99-7854CC	HK432BT	128461-12 or 26	4.8Kg
16mm 5/8"	BTT35	99-7851	99-7851CC	HK432BT	128461-12 or 26	6.4Kg
16mm 5/8"	BTT20SF	99-7881	99-7881CC	HK432-2	HS-10-MCE	5.2Kg
16mm 5/8"	2628	99-7831	99-7831CC	HK432-2	HS-10-MCE	7.7Kg
20mm	BTT57	99-7852	99-7852CC	HK432BT	128461-12 or 26	11.8Kg



BTT20SF - For when space is at a premium

BTT35 - Easy to use and lightweight

Disclaimer

Whilst every care has been taken to ensure the accuracy of the above information, Star Fasteners (UK) Limited cannot accept responsibility for any errors or omissions.

Installation Sequence

