



PRICE LIST

DFL-11, w.e.f. Oct, 2018

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Construction

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Construction Fasteners

Arc Welding Stud

*Prices available on request.



The UNBRAKO ARC Welding Stud also known as Shear Connector is used in the construction of tall buildings, bridges and steel structures. Drawn-arc process is used for stud welding. It improves the strength of the structure.

Product Range :
Metric: M13, M16, M19,
M22, M25 – Any Length

Inch: 1/2", 5/8", 3/4",
7/8", 1" – Any Length

Direct Tension Indicator



UNBRAKO Direct Tension Indicators, also known as Auto Torque Indicators, are single-use mechanical load cells designed to indicate the magnitude of preload in the assembly. It shows if the bolt is properly tensioned, very useful while tensioning High Strength Structural Bolts.

Product Range :
Metric: M16 – M36 as per
BS EN 14399-9
Unbrako Feeler Gauge is
available to check if the
required torque is achieved.

High Strength Structural Bolt Assembly



Compared to the conventional methods of riveting or welding, UNBRAKO Pre-load bolts maintain the permanent strength of the joint due to reduced stress concentration. Hence, it does not permit loosening, making it most ideal where vibration is involved.

Product Range :
Metric: M12 to M36
Any Length

As per BS EN 15048-1/2
& 14399-3/4 or as
per IS 3757

Auto Torque Check Bolt Assembly (TC Bolt)



Unbrako
Electric
Shear Wrench

UNBRAKO Auto Torque Check Bolt also known as Tension Control Bolt is an easy to install Heavy Duty Bolt used in Steel Frame Construction. It has its own built-in torque control device. The outer socket of wrench rotates the nut until the torque control groove in the spline shears off on achieving proper bolt tension.

Product Range :
Metric: M12 – M30
(any length) – As Per
BS EN 14399 - 10

Unbrako Electric Shear
Wrench is also Available.

Rebar Coupler

The Rebar COUPLER system is a threaded connection of two bars through a threaded sleeve that guarantees an ultimate tensile strength of the splice (joint) greater than that of the parent bar. It is suitable for joining reinforcement bars end to end.



Total Solution Bolt Assembly Tamper Proof



The Innovative 6 wedge shaped design acts to convert radial force into axial force, increasing pressure onto the contact surface of the application. Even under extreme vibration, bolt does not loosen.



IS 3757 Heavy Hex Structural Bolts

Metric

DIA	M16			M20			M22		
	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity
40	300001	4,614	25	300021	8,528	25			
45	300002	5,025	25	300022	9,176	25			
50	300003	5,287	25	300023	9,596	25	300041	13,015	10
55	300004	5,460	25	300024	10,022	25	300042	13,385	10
60	300005	5,823	25	300025	10,710	20	300043	13,933	10
65	300006	6,142	25	300026	11,181	20	300044	15,208	10
70	300007	6,490	25	300027	11,582	10	300045	15,931	10
75	300008	6,947	25	300028	12,023	10	300046	16,428	10
80	300009	7,629	25	300029	12,363	10	300047	17,007	10
90	300010	8,000	25	300030	13,140	10	300048	18,697	10
100	300011	8,678	25	300031	13,898	10	300049	19,121	10
110	300012	9,371	25	300032	14,436	10	300050	20,641	10
120	300013	10,335	15	300033	15,658	10	300051	22,007	10
130	300014	11,866	10	300034	16,839	10	300052	23,235	10
140	300015	12,055	10	300035	17,360	10	300053	24,298	10
150	300016	14,294	10	300036	18,296	10	300054	25,478	10
160	300017	15,471	10	300037	21,793	10	300055	28,910	5
170	300018	16,428	10	300038	22,715	10	300056	30,124	5
180	300019	17,386	10	300039	23,641	10	300057	31,334	5
200	300020	19,610	10	300040	26,513	10	300058	33,683	5

1. **Specifications** : Bolts IS 3757.
2. **Threads** : Bolts ISO Metric 6g as per IS 4218.
3. **Material and Mechanical Properties**: Bolts - Property Class 10.9S as per IS 1367.
4. **Plating** : No guarantee can be given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
5. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



IS 3757 Heavy Hex Structural Bolts

Metric

DIA	M24			M27			M30			M36		
	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity
55	300059	16,949	10									
60	300060	17,548	10	300076	35,733	5						
65	300061	19,007	10	300077	37,403	5						
70	300062	19,299	10	300078	37,151	5						
75	300063	20,993	10	300079	39,702	5	300092	47,954	5			
80	300064	21,399	10	300080	41,486	5	300093	49,653	5			
90	300065	23,644	5	300081	44,077	5	300094	51,024	5			
100	300066	25,397	5	300082	47,323	5	300095	54,716	5			
110	300067	26,019	5	300083	49,269	5	300096	59,562	5			
120	300068	27,038	5	300084	50,639	5	300097	60,718	5	581151	107,341	5
130	300069	28,212	5	300085	52,089	5	300098	63,635	5	581153	113,474	4
140	300070	29,423	5	300086	55,222	5	300099	67,406	5	581155	119,431	4
150	300071	30,753	5	300087	58,320	5	300100	71,043	5	581157	125,624	4
160	300072	34,945	5	300088	64,235	5	300101	80,223	4	581159	131,522	4
170	300073	37,876	5	300089	70,888	5	300102	88,190	4	581161	137,419	4
180	300074	39,586	5	300090	70,731	5	300103	88,048	4	581163	143,554	4
200	300075	42,530	5	300091	76,759	5	300104	95,787	4	581167	155,113	3
220							581122	103,527	3	581171	166,909	3
240							581126	111,267	3	581175	178,704	3
260							581130	119,008	3	581179	191,090	3
280										581183	202,886	3
300										581186	214,682	3

IS 6623 Heavy Hex Nuts

Metric

Diameter	M16	M20	M22	M24	M27	M30	M36
International Part No.	131001	131002	131003	131004	131005	131006	581348
₹ Price/100 pcs	2,255	4,566	5,331	7,650	12,377	15,665	27,012
Box Quantity	100	50	50	25	10	10	10

IS 6649 Structural Washer

Metric

Diameter	M16	M20	M22	M24	M27	M30	M36
International Part No.	132001	132002	132003	132004	132005	132006	581349
₹ Price/100 pcs	1,428	1,787	2,544	2,690	4,325	5,381	8,198
Box Quantity	200	100	100	100	100	100	10

- Specifications :** Bolts IS 3757, Nuts IS 6623, Washers IS 6649.
- Threads :** Bolts ISO Metric 6g as per IS 4218.
- Material and Mechanical Properties :** Bolts - Property Class 10.9S as per IS 1367. Nuts: Property Class 10S as per IS 1367. Washer: Hardness: HRC 38-45 as per IS 6649
- Plating :** No guarantee can be given for Unbrako products which are plated by users or by outside platers, who may not have considered hydrogen embrittlement problem.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



High Tensile Track Shoe Bolts & Square Nuts

Suitable for BEML (KOMATSU) Earthmovers

Equivalent O.E. Part No. (For Ref. Only)	Size	Description	Model	International Part No.	₹ Price/ 100 pcs
130.32.11212	M16 x 1.5 x 57	T.S. Bolt	D50, D50A 15	330001	7,257
130.32.11220	M16 x 1.5	T.S. Sq. Nut	D50, D50A 15	330002	3,674
130.32.11212/130.32.11220	M16 x 1.5 x 57	T.S. Bolt & Sq. Nut	D50, D50A 15	550287	10,931
205.32.51210	M18 x 1.5 x 58	T.S. Bolt	PC220	330003	8,931
01803.01824	M18 x 1.5	T.S. Sq. Nut	Pc220	330004	4,199
205.32.51210/01803.01824	M18 x 1.5 x 58	T.S. Bolt & Sq. Nut	PC220	550288	13,130
150.32.11210	M19 x 1.5 x 65	T.S. Bolt	D80, D80A 12	330005	11,165
150.32.11210/150.32.21311	M19 x 1.5 x 65	T.S. Bolt & Sq. Nut	D80, D80A 12	550289	15,539
113CT51096	M19 x 1.5 x 62	T.S. Bolt	D80, D80A 12	330006	11,165
113CT51096/150.32.21311	M19 x 1.5 x 62	T.S. Bolt & Sq. Nut	D80, D80A 12	550290	15,539
150.32.21311	M19 x 1.5	T.S. Sq. Nut	D80, D80A 12	330007	4,374
207.32.11350	M20 x 1.5 x 63	T.S. Bolt	PC300	330008	12,467
-----	M20 x 1.5	T.S. Sq. Nut	PC300	550308	4,724
207.32.11350	M20 x 1.5 x 63	T.S. Bolt & Sq. Nut	PC300	550291	17,191
176.32.11210	M24 x 1.5 x 78.5	T.S. Bolt	D155	330009	19,910
178.32.11220	M24 x 1.5	T.S. Sq. Nut	D155	330010	7,523
176.32.11210/178.32.11220	M24 x 1.5 x 78.5	T.S. Bolt & Sq. Nut	D155	550292	27,433
195.32.11210	M27 x 1.5 x 82.5	T.S. Bolt	D355	330011	26,051
195.32.11221	M27 x 1.5	T.S. Sq. Nut	D355	330012	10,848
195.32.11210/195.32.11221	M27 x 1.5 x 82.5	T.S. Bolt & Sq. Nut	D355	550294	36,898

Suitable for L & T Poclairn Earthmovers

Equivalent O.E. Part No. (For Ref. Only)	Size	Description	Model	International Part No.	₹ Price/ 100 pcs
W 00 330.71	5/8" UNFx2.1/4"	T.S. Bolt	90 CK	330017	7,257
K 01345.36	5/8" UNF	T.S. Sq. Nut	90 CK	330018	3,674
W 00 330.71/K 01345.36	5/8" UNFx2.1/4"	T.S. Bolt & Sq. Nut	90 CK	550296	10,931
U 02330-77	7/8" UNFx2.66"	T.S. Bolt	300 CK	330014	15,259
Z 02345-07	7/8" UNF	T.S. Sq. Nut	300 CK	330015	6,473
U 02330-77/Z 02345-07	7/8" UNFx2.66"	T.S. Bolt & Sq. Nut	300 CK	550300	24,523

- 1. Specifications :** Forged from high grade alloy steel.
- 2. Mechanical Properties :** Track Shoe Bolt Grade 12.9, Square Nut HRC 32-38
- 3. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 4. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.**



High Tensile Track Shoe Bolts & Square Nuts

Suitable for Caterpillar Earthmovers

Equivalent O.E. Part No. (For Ref. Only)	Size	Description	Model	International Part No.	₹ Price/ 100 pcs
7H 3597	5/8" UNF x 2.3/32"	T.S. Bolt	D4, D5	330016	6,885
5M 8756	5/8" UNF x 2.1/4"	T.S. Bolt	D4, D5	330017	7,257
1M 1408	5/8" UNF	T.S. Sq. Nut	D4, D5	330018	3,674
7H 3597/1M 1408	5/8" UNF x 2.3/32"	T.S. Bolt & Sq. Nut	D4, D5	550295	10,559
5M 8756/1M 1408	5/8" UNF x 2.1/4"	T.S. Bolt & Sq. Nut	D4, D5	550296	10,931
7 H3598	3/4" UNF x 2.3/8"	T.S. Bolt	D6, D7	330019	10,979
1S1860	3/4" UNF	T.S. Sq. Nut	D6, D7	330020	4,550
7 H3598/1S1860	3/4" UNF x 2.3/8"	T.S. Bolt & Sq. Nut	D6, D7	550297	15,528
7H 3599	7/8" UNF x 2.66" (2 21/32)	T.S. Bolt	D8	330014	15,259
2S2140	7/8" UNF (2 21/32)	T.S. Sq. Nut	D8	330015	6,473
7H 3599/2S2140	7/8" UNF x 2.66"	T.S. Bolt & Sq. Nut	D8	550298	21,732
9M 7445	1" UNS x 2.94" (2 15/16)	T.S. Bolt	D8	330021	21,771
1S6421	1" UNS	T.S. Sq. Nut	DS9	330022	8,923
9M 7445/1S6421	1" UNS x 2.94" (2 15/16)	T.S. Bolt & Sq. Nut	DS9	550299	30,694

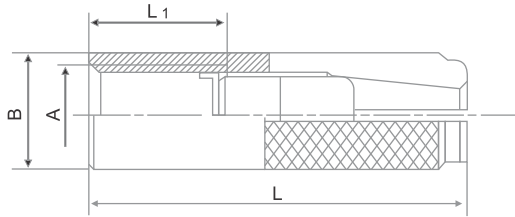
Suitable for HM-TEREX & HM DEMAG Earthmovers

Equivalent O.E. Part No. (For Ref. Only)	Size	Description	Model	International Part No.	₹ Price/ 100 pcs
01801340	3/4" x UNF x 2.3/4"	T.S. Bolt	H31, H36, H41	630419	12,233
06400140	3/4" UNF	T.S. Sq. Nut	H36	330020	4,550
01801340/06400140	3/4" x UNF x 2.3/4"	T.S. Bolt & Sq. Nut	H31, H36, H41	816932	16,782
06327940	7/8" UNF x 3.11/32" (84.9 mm)	T.S. Bolt	H51, H55	330023	18,050
06400240	7/8" UNF	T.S. Sq. Nut	H51	330015	6,473
06327940/06400240	7/8" UNF x 3.11/32" (84.9 mm)	T.S. Bolt & Sq. Nut	H51, H55	550300	24,523

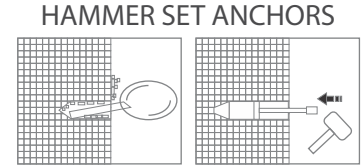
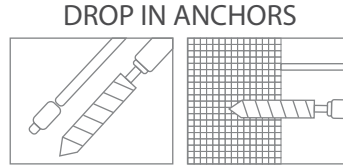
- 1. Specifications :** Forged from high grade alloy steel.
- 2. Mechanical Properties :** Track Shoe Bolt Grade 12.9, Square Nut HRC 32-38
- 3. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 4. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.**



Drop In Anchors



Raw Material:
Special steel developed by UNBRAKO USA



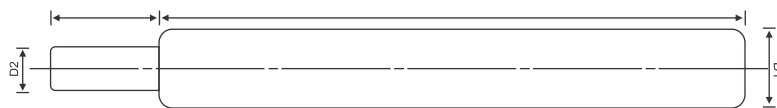
Value Are In KN

Main Technical Index	M6 x 25	M8 x 30	M10 x 40	M12 x 50	M16 x 60
Design tensile breaking strength	3.3	5.3	7.0	11.9	16.1
Design breaking shearing force	4.1	6.7	7.8	14.3	18.1
Safety Tensile breaking strength	2.4	3.8	5.0	8.5	11.5
Safety breaking shearing force	2.9	3.9	5.6	10.2	12.9

Drop In Anchors

Code	International Part No.	Size (A)	External Diameter (B)	Thread Length (L1)	Body Length (L)	Box Quantity	Carton Quantity	₹ Price/ 100 pcs
DANCH0625ZP	551654	M6	8.0	10	25	100	3600	630
DANCH0830ZP	551655	M8	10.0	13	30	100	1800	823
DANCH1040ZP	551656	M10	12.0	15	40	50	1000	1,280
DANCH1250ZP	530269	M12	16.0	20	50	50	600	3,032
DANCH1660ZP	551657	M16	20.0	25	60	25	300	5,109

ONE ANCHOR SETTING TOOL FREE WITH PACK OF 100 ANCHOR SETS



Drop In Anchors Setting Tools

Code	SIZE	D1	D2	L1	L2
ANCHT06	6	9.900	4.700	97.790	17.000
ANCHT08	10	12.700	7.950	114.300	25.400
ANCHT10	12	15.875	9.525	127.000	31.750
ANCHT12	16	19.050	12.700	139.700	38.100



Direct Tension Indicator BS EN 14399-9

(Auto Torque Indicator) For 8.8 S Bolt Assembly

(Duly Mechanical Zinc Plated)

Size	International Part No.	₹ Price/100 pcs	Pcs/Box	Pcs/Carton
M16	630330	2,837	100	1200
M20	370002	5,070	100	800
M22	370003	6,137	50	400
M24	370004	8,219	50	400
M27	370005	10,407	50	300

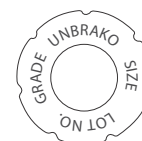


Direct Tension Indicator BS EN 14399-9

(Auto Torque Indicator) For 10.9 S Bolt Assembly

(Duly Mechanical Zinc Plated)

Size	International Part No.	₹ Price/100 pcs	Pcs/Box	Pcs/Carton
M24	370006	8,219	50	400
M27	370007	10,407	50	300
M30	370008	15,181	25	200
M36	370009	21,806	25	150



1. **Specification** : Generally conforming to BS EN 14399-9

Note : Separate catalogue can be provided on request.

2. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.

Separate Construction Catalogue available on request