



# NEW **HARDWARE** DEVELOPMENTS

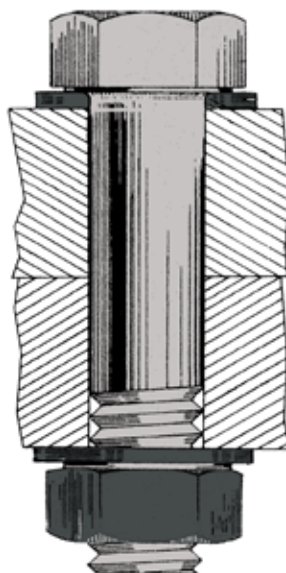
**CTP® Hardware is made with only the best steel in the industry. The quality of our hardware is tested to reflect the American Association of Engineer's norms (SAE) as well as the European metric norms (DIN). We focus in the essential points to guarantee our customers the CTP quality they have come to expect. We focus on providing maximum strength, maximum selection and maximum value.**

## **HIGH HEAD BOLTS**

CTP High-Head Bolts are designed for the use in high stress and extreme service environments.

Features of CTP High-Head Bolts:

1. Thicker than the standard bolt head, adding extra wrenching surface.
2. Washer face eliminates corner drag.
3. Radius under the bolt head increases strength.
4. UNR radiused root bolt thread increases fatigue resistance by reducing the notch effect of conventional UN threads. The UNR thread radius is maintained into the thread runout at the junction of thread to shank.



## **SELF-LOCKING NYLON PATCH**

### **Why use CTP parts with Self-Locking Nylon Patch?**

CTP offers the Self-Locking Nylon Patch alternative for your hardware needs. This self-locking nylon patch formula is specially designed as non-ozone depleting locking and sealing coating for threaded fasteners. It ultimately prevents fasteners from loosening, even under extreme vibration.

## **MAXIMUM STRENGTH**

- ✓ GRADE 8 AND HIGHER
- ✓ ISO 10.9 AND HIGHER

## **MAXIMUM SELECTION**

- ✓ Bolts
- ✓ Cotter Pins
- ✓ Nuts
- ✓ Pins
- ✓ Rivets
- ✓ Screws
- ✓ Self-Locking Nylon Patched
- ✓ Snap Rings
- ✓ Studs
- ✓ Washers
- ✓ Woodruff Keys
- ✓ *and more!*

## **MAXIMUM VALUE**

- ✓ Package quantity
- ✓ Bulk quantity
- ✓ Pallet quantity

Everything you need  
**FROM INCHES TO METRIC...**

## BOLTS

Part No.	Description
4V7080	BOLT - 12 POINT
1383816	BOLT - 12 POINT SELFLOCKING
3B4990	BOLT
4B0966	BOLT
7N1961	BOLT
7N2405	BOLT CONN ROD
5V2973	BOLT-12 POINT
7X2565	CAP SCREW ZINC
3E9850	CAP SCREW ZINC
2M3530	HEX CAP SCREW
7X2583	CAP SCREW ZINC
8T5881	HEX CAP SCREW
2D3424	CAP SCREW ZINC
1D4640	CAP SCREW HIGH
1D4608	CAP SCREW HIGH

## TRACK BOLTS

Part No.	Description
1504741	BOLT TRACK
3K0963	PIN LOCK
3P1111	BOLT TRACK
6T1139	TRACK BOLT
6T1140	TRACK BOLT
6T2638	BOLT TRACK
6T8853	BOLT TRACK
7T0998	BOLT-LINK
7T1000	BOLT TRACK

## NUTS

Part No.	Description
1504742	NUT, TRACK
2K7468	LOCK NUT
3E8024	NUT-HEX
3K9770	NUT, HEX
3T6292	NUT, HEX
3K0453	NUT
4D6298	NUT-STAKE
5D0765	NUT
5M5016	NUT
5M5017	NUT
5P8221	NUT, TRACK
5P8362	PLOW NUTS
7G0343	NUT, TRACK
7G6442	NUT, TRACK
7Y1460	NUT
8C7328	NUT METRIC
8J2933	PLOW NUTS

## PLUGS & FITTINGS

Part No.	Description
307935	CONNECTOR
307947	ELBOW
307950	ELBOW
1544492	PLUG-ADAPT
0619258	TEE
1F3278	FITTING
2L3331	UNION

Part No.	Description
3B6552	ELBOW-90 DEG
3B8998	FITTING-ELBOW
3B9406	FITTING-ELBOW
3D8913	UNION
3E2338	PLUG
3J5389	PLUG
4D6475	UNION
4M5317	BUSHING/FITTING
5K3713	CONNECTION ASSY
5K9235	FITTING
5K9243	ELBOW
5P1046	CONNECTOR
5P4484	PLUG
6D6489	ADAPTER
6K0697	HEX PLUG
6K1019	FITTING
6K1972	FITTING
6V3965	NIPPLE A
6V3966	NIPPLE A
6V4144	COUPLER AS
6V8632	CONNECTOR
6V8634	CONNECTOR
6V8636	CONNECTOR
6V8639	CONNECTOR
6V9001	ELBOW
7Y5009	CARTRIDGE
8T6759	PLUG-PIPE

Part No.	Description
8T6762	PLUG W/ NYLON PATCH
9F2247	PLUG-PIPE
9L9045	FITTING
9S8003	PLUG
9S8004	PLUG
9S8006	PLUG
9S8007	PLUG
9S8008	PLUG
9S8009	PLUG
9S9334	PLUG

## LOCK NUT

Part No.	Description
2K7468	LOCK NUT
5D1986	LOCK NUT
6K0545	LOCK NUT
1H4393	LOCK WASHER
3K8909	LOCK WASHER
3E9861	LOCKNUT
3E9862	LOCKNUT
3E9863	LOCKNUT
3E9865	LOCKNUT
3F7674	LOCKNUT
6V9189	LOCKNUT
7H8909	LOCKNUT
9B1117	LOCKWASHER



## PLOW BOLTS

Part No.	Description
5P8823	BOLT, PLOW
5P8361	BOLT, PLOW
6V8360	BOLT, PLOW

## WASHERS

Part No.	Description
2090962	WASHER
1H4393	LOCK WASHER
3K8909	LOCK WASHER
4B5276	WASHER
6S3461	WASHER
9B1117	LOCKWASHER
9X8258	WASHER
9X8268	WASHER
4B5059	WASHER
4B5280	WASHER

## PINS

Part No.	Description
0310255	PIN
1L5316	PIN
2K8078	PIN
3H1118	PIN
5J3941	PIN
5L5711	PIN
8S7499	PIN

## WHEEL BOLTS

Part No.	Description
3V4247	BOLT
4D8695	BOLT
7D0053	BOLT
9R5219	BOLT
1307047	BOLT/WHEEL
8T6653	BOLT/WHEEL
1309424	STUD
1V1983	STUD
1V3323	STUD
3K1865	STUD
3V4045	STUD
4V1529	STUD WHEEL BOLTS
2264346	STUD WHEEL
5D1183	WHEEL BOLTS
1595772	WHEEL STUD

## SCREWS

Part No.	Description
0102570	SCREW
4B1221	SCREW
4B1273	SCREW
4B3583	SCREW
5D4697	SCREW
4B3585	SET SCREW
5B9324	SET SCREW

## STUDS

Part No.	Description
1061792	STUD-TAPERLOCK
1163715	STUD-TAPERLOCK
2D8369	STUD
2M2488	STUD
2P1303	STUD
4D7246	STUD
4S6137	STUD-TAPERLOCK
7S6719	STUD

## SNAP RINGS

Part No.	Description
1H4142	SNAP RING
1K6984	SNAP RING
1N8620	SNAP RING
2L6965	SNAP RING
3D8358	SNAP RING
4H0094	SNAP RING
5J3864	SNAP RING
6L8797	SNAP RING

## RIVETS

Part No.	Description
2N2258	RIVET
7B5064	RIVET
9M5732	RIVET

## SPECIAL ITEMS

Part No.	Description
1118606	BOLT OIL JET
9V4319	BOLT - 12 POINT HEAD SELFLOCKING
9V3811	BOLT 12 POINT
2607524	SCREW-VALVE ADJUSTER
2533982	SCREW
1501156	BOLT OIL JET
1124511	PIN-SPRING
3S8109	PIN-SPRING
1A0744	SCREW
1085603	SCREW
3K5802	BOLT
6B5262	PLUG
6N0775	RATCHET
8B9519	BOLT
8D3540	NUT-SPANNER
9B0576	NUT
9D7989	WHEEL NUT W/ WASHER ATTACH.
9J7031	PLUG
9S4191	PLUG-STRAIGHT THREAD
9S8858	NUT
9T2004	NUT-BEARING LOCK
2519335	SPRING-WAVE



## WOODRUFF KEYS

### Woodruff Keys - Bar

Part No.	Description	Thickness	Length
9T7770	WOODRUFF KEY	3/16	1 7/8
5K5887	WOODRUFF KEY	1/4	2
1D1158	WOODRUFF KEY	1/4	2 1/2
0T0217	WOODRUFF KEY	1/2	4

### Woodruff Keys

Part No.	Description	Thickness	Diameter
1B8735	WOODRUFF KEY	3/32	3/8
1B8701	WOODRUFF KEY	3/32	1/2
3H1489	WOODRUFF KEY	3/32	1/2
1B8703	WOODRUFF KEY	3/32	5/8
5H2532	WOODRUFF KEY	1/8	3/8
1B8702	WOODRUFF KEY	1/8	1/2
1B8704	WOODRUFF KEY	1/8	5/8
1B8706	WOODRUFF KEY	1/8	3/4
1B8705	WOODRUFF KEY	5/32	5/8
1B8707	WOODRUFF KEY	5/32	3/4
1B8709	WOODRUFF KEY	5/32	7/8
8F7689	WOODRUFF KEY	5/32	7/8
1B8708	WOODRUFF KEY	3/16	3/4
5H2671	WOODRUFF KEY	3/16	3/4
1B8710	WOODRUFF KEY	3/16	7/8
8M3498	WOODRUFF KEY	3/16	7/8
1B8712	WOODRUFF KEY	3/16	1
1B8715	WOODRUFF KEY	3/16	1 1/8
3K4723	WOODRUFF KEY	7/32	1

Part No.	Description	Thickness	Diameter
2B9373	WOODRUFF KEY	1/4	3/4
1B8736	WOODRUFF KEY	1/4	7/8
1B8714	WOODRUFF KEY	1/4	1
1B8716	WOODRUFF KEY	1/4	1 1/8
1B8719	WOODRUFF KEY	1/4	1 1/4
1B8722	WOODRUFF KEY	1/4	1 1/2
1B8737	WOODRUFF KEY	5/16	1 1/8
1B8721	WOODRUFF KEY	5/16	1 3/8
1B8742	WOODRUFF KEY	5/16	2 3/4
1B8741	WOODRUFF KEY	3/8	1 1/2
1B8743	WOODRUFF KEY	3/8	2 3/4
1B8744	WOODRUFF KEY	3/8	2 3/4
1B8745	WOODRUFF KEY	1/2	2 3/4

## LIFTING EYEBOLTS

Part No.	Description
1P7404	Lifting Eyebolts / Inch
1P7405	Lifting Eyebolts / Inch
2D1201	Lifting Eyebolts / Inch

\* Other part no. not included in the list are available. Please contact your sales representative if you have any questions. Part Numbers are used for reference purposes only