

	<b>KITAGAWA NORTHTECH</b>	Revised
	<b>INVENTORY CLEARANCE ITEMS</b>	7/31/20 20
	*all items need to be verified before purchase	
<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
24X13X3	VALVE SHEETS UVE500LB L/P (SET)	2
4124A6	BTC 12" 4-JAW MANUAL CHUCK/ INDEPENDENT JAWS A2-6 DIRECT MT	1
4728H/23.81MM	SP COLLET/CR4215/16"/HEX	1
6425R	25", 4-JAW MANUAL INDEPENDENT CHUCKS, 8" I.D. FLAT BACK	3
61R205791	F2511H/F2596H01 (HS) ROTARY VALVE	1
61R208522	F0827HN28 SLEEVE	1
61R211236	F1241H15Y CLYINDER HOUSING	2
61R211585	#3 CYLINDER FOR F1546H01A	1
61R217098	Y2035R00 PISTON	1
61R218465	Y1225RE01 REAR CASING	2
61R218465	Y1225RE01 REAR CASING	1
61R218950	S1552 ROTARY VALVE ( 16 HOLES)	3
61R218950(12)	S1552 ROTARY VALVE 12 HOLES	9
61R2192611	S1246/S1243 ROTARY VALVE	1
61R2193531	S1875/ S1870-01 (01Y) ROTARY VALVE	1
61R219590	F0714N-F0720N-28 ROTARY VALVE	1
61R219847	#3 CYLINDER FOR S1246L	2
61R229637	F0933H-15Y ROTARY VALVE	1
61R2444980	#3 CYLINDER FOR SS2110C15Y	1
61R245011	SS1452C01A CYLINDER HOUSING OLD STYLE	1
61R245015	SS1770C01A CYLINDER HOUSING(M10 BOLT HOLE)	1
61R245015	SS1770C01A CYLINDER HOUSING(M10 BOLT HOLE)	1
61R270153	SS1452 CYLINDER HOUSING NEW STYLE	2
61R270163	SS1030-28 CYLINDER PART #3	1
61R304383	F1768H, F1768H01 FAN COVER	2
61R3071934	F1546H FAN COVER	3
61R308203	F1236H-SLEEVE COVER (A)	1
61R3145144	F1236H /F1241-15Y/F1236HN28 STOPPER	1
61R3152492	F1768H00 STOPPER	3
61R317656	F0827HN28 SLEEVE COVER (A)	2
61R317656	F0827HN28 SLEEVE COVER (A)	1
61R317658	F1236HN28C SLEEVE COVER A	1
61R321240	F0827HN28 SLEEVE COVER (B)	3
61R321242	F0827HN28 STOPPER	1
61R3231541	F1243H-15Y PISTON	1

61R323748	FRONT SEAT GASKET FOR CS-F12BN & CS-S12BN COLLECTOR	4
61R323777	CS-S18 & CS-F17 FRONT GASKET SEAL	1
61R3248221	DETECTOR PLATE SS145215Y/SS1452C01A	2
61R3250560	S124600 PISTON(ALSO 61R3250561)	1
61R328068	Y1020RE114 PISTON BAR	1
61R339927	YG301W16C PISTON (A)	1
61R348354	SS1453C21 STOPPER	3
61R422275	FLINGER S1870-01	3
61R422339	S209100 FLINGER	1
61S313405	JN07 JN07T SCROLL	1
61S313407	JN07 EXTERNAL HARD JAWS	1
6425R	25" CHUCK, STEEL BODY INDEPENDENT 4 JAW, REV, 8.5" I.D.	3
6808	BEARING OPEN STYLE	1
7005	RSO16RA BEARING	1
9710707330	JN06 PINION (SET/3)	6
9710750020	IC-8 INNER JAW FOR REVERSE (SET OF 4)	1
AY1720R	AIR CYLINDER HIGH SPEED W/CLOSED CENTER	2
AY1720R-PRE-OWN	AY1720R PRE-OWNED	1
AY2225R-PREOWNE	PRE-OWNED AY2225R	1
B308	8" 3-JAW POWER CHUCK (AGE)	1
BL210STOPPER	BL210 STOPPER (61P337809) (SET/3)	1
CB05A0400	A2-4 CHUCK ADAPTER DIRECT MOUNT (61P322399)	2
CB05A0584	A2-5 CHUCK ADAPTER (B205A584X)	6
CB21K15A	CHUCK PLATE OE 32 THICK A-15 DIRECT W/ M24 BOLTS, 380 MM OD	2
CBT15A1115	CHUCK ADAPTER PLATE	1
CCP-B15	CHIP COVER PLATE B-15 (INCL 6 PCS M6X25 BHCS)	4
CCP-B205	CHIP COVER PLATE B205 (INCL 3 PCS M4X10-BHCS)	5
CCP-B206	CHIP COVER PLATE B206 (INCL 3 PCS M5X16-BHCS)	2
CCP-B208	CHIP COVER PLATE (INCL 3 PCS M5X16-BHCS)	19
CCP-B210	CHIP COVER PLATE (INCL 3 PCS M6X16-BHCS)	5
CKCB-XCN-EBY	PILOT OPERATED CHECK VALVE (SUN)	1
CK-QB206	QB CONVERSION KIT W/ MSTR JAWS/TOP JAWS/MANUAL/GREASE	3
CK-QB308	QB CONVERSION KIT W/ MSTR JAWS/TOP JAWS/WRENCH/MANUAL/GREASE	1
CN18VA1101	ADAPTER N-18VA1101 N-18V1101B	1
CN24VA1101	ADAPTER FOR N-24VA1101 (61P817902)	1
CR42/60-SCREWS	ANTI-ROTATIONAL SCREW - (STOPPER "F")	2
CR42A06-LQ	QUICK CHANGE COLLET CHUCK (AGE)	3
CR42A06-SQ	COLLET CHK/SHORT-QUICK CHANGE (AGE)	1
CR60A08-LQ	QUICK CHANGE COLLET CHUCK	1
CRL66A08	COLLET - CHUCK (AGE)	1
CR42A06-LQ	42mm Capacity, Quick Change , A2-6, Quick change cap type, Dead	3

	Length	
CR42A06-SQ	42mm Capacity, Quick Change , A2-6, <b>*Short Body</b> , Quick change cap type, Dead Length	1
CR60A08-LQ	42mm Capacity, Quick Change , A2-6, Quick change cap type, Dead Length	1
CRL60A08	60 mm Capacity, A2-8, not quick change, Dead Length	2
CRL66A08	66 mm Capacity, A2-8, not quick change, Dead Length	1
DHF42-A6	42 mm Capacity, Quick Change, A2-6 Mount, Dead length collet	1
DHP42-140	42 mm Capacity , Quick Change, 140 flat mount, Pull back ( not dead length)	1
DHP52-A6	52mm Capacity, Quick Change, A2-6 Mount , Pull back (not dead length)	2
DHP-65	65 mm Capacity, Quick Change, Flat back 167, Pull back ( not dead length)	2
QCRL54A6	54 mm Capacity, Quick Change, A2-6 . Quick change cap type, Dead Length	1
QCRL54A8	54 mm Capacity, Quick Change, A2-8 . Quick change cap type, Dead Length	1
CS-17-01	COOLANT COLLECTOR SS1770C01A (W/O DP)	2
CS-20HA	COOLANT COLLECTOR F2078H TYPE (ALSO FITS S2091)	2
CS-20HW	COOLANT COLLECTOR	9
CS-28HA-15	COOLANT COLLECTOR	2
CS-F08BN	COOLANT COLLECTOR W/PROX SWITCH	1
CS-F17	COOLANT COLLECTOR	2
CS-S12BN	COOLANT COLLECTOR W/ STROKE DETECTION	2
CS-S15	COOLANT COLLECTOR S1552	4
CV-B04	B-04 CHIP COVER 21MM ID	2
CV-B05	B-05 CHIP COVER 26MMID (NO LONGER AVAILABLE FROM KIW)	4
CV-B10-15	B-10-15 CHIP COVER MAZAK STYLE	1
CV-B204	B204 CHIP COVER 26MM ID	2
CV-B206-84	B206 CHIP COVER HAAS STYLE 46MM ID	3
CV-B21	B-21 CHIP COVER 140MM ID	4
CV-B24	B-24 CHIP COVER 165MM ID	1
CV-BB06	BB06 CHIP COVER 52MM ID (61P344793)	2
CV-BL206	BL206 CHIP COVER 28MM ID	4
CV-BL210	BL210 CHIP COVER 53MM ID	1
CV-BL212	BL212 CHIP COVER 63MM ID	2
CV-BLT206	CHIP COVER BLT-206	1
CV-BT06	CHIP COVER	5
CV-BT206	CHIP BUSHING	1
CV-HW08	CHIP COVER HW-08	1
CV-HW10-12	CHIP COVER HW10,HW12 (61P-30-1132)	1
CV-LU10	CHIP COVER LU-10	1

CV-ML08	CHIP COVER ML-08	1
CV-N24	CHIP COVER N-24	2
CV-NL06	CHIP BUSHING NL-06	1
CVP-B210	CHIP COVER PLUG (REQUIRES P65 O-RING) 75mm OD	85
D285R/.375-.5	MB COLLET CRS66 3/8" TO 1/2" ROUND	1
D285R/2.5-2.625	MB COLLET CRS66 2-1/2" TO 2-5/8" ROUND	1
DC52-R12	12MM ROUND SERRATED COLLET TO SUIT DHP52	1
DC65-R30	30MM ROUND SERRATED COLLET TO SUIT DHF65	1
DL208-INC	INCOMPLETE CHUCK (Sell for parts only, Still has Master jaws and Face, plunger missing)	1
DN1104	DRAW NUT B-04 (B-2)	4
DN1110-RR	M76X1.5 80X10 OD TURN	1
DN1112K	DRAW NUT FOR HOH12K (B-3)	1
DN1115-MM	M109X1.5 118X12 OD TURN (KUY5180-1 REV 1)	4
DN1124-S	M175X2 (BORE ID TO 166.5)	2
DN3506-84	M55X2 THREADED NUT W/46MM ID HAAS	6
DN3510-G	M88X2 NO OD TURN BT210 ONLY!!!	1
DN3510-U	M47X1.5 66X11.7 OD TURN	1
DN4506-D	M52X1.5 NO OD TURN	1
DN5518-A	M165X3 NO OD TURN BB218	2
DN5518-A	M165X3 NO OD TURN BB218	1
DN5518-C	M163X3.0 NO OD TURN	1
DN5518-C	M163X3.0 NO OD TURN	1
DN-BL210	BLANK DRAW NUT (B-1)	6
DN-CR42	DRAW NUT/CR42 CRL42 COLLET CHUCK (B-2)	9
DN-CR60-CC	M60X2.0, 67X15 OD TURN, OAL=37MM	1
DN-PU208	DRAW NUT PU208 REF: 61P332357	6
DN-PU212	DRAW NUT PU-212	6
DN-QCRL60	DRAW NUT QCRL60	4
DN-QJR12-G	M110X1.5 NO OD TURN	1
DP-CSF12	DETECTOR PLATE (BOLT ON STYLE)	4
DP-CSF17HA	DETECTOR PLATE	11
DP-CSS1036	DETECTOR PLATE	1
DP-CSS12	DETECTOR PLATE -S12 CYLINDER	1
DP-SS1452-15Y	SS1452-5Y, DETECTOR PLATE WITH COVER PLATE	1
DP-Y1225RE01	DETECTOR PLATE	5
DT1110(A08)	DRAW BAR N-10/ N-10A0800	2
F1236H00-INC	F1236H INCOMPLETE, (MISSING PARTS) NEW CONDITION	1
F1768HSLEEV/ASY	F1768H SLEEVE/ROTARY VALVE/BEARING ASSEMBLY	1
FG50/LOCK-PIN	LOCK PIN FG50L/FG56L 61P432870 (W/ SNAP RING) (SET/3)	8
FG50/PLUNGER	PLUNGER/FG50 (ENKEI)	1
FG501FJB3-U	FIXED JIG B3 61P363262	2

FG501GJAB2-U	GUIDE JAW A-B2	2
FG50LA1	LEVER A1	1
FG50LASPIN	AIR SEATING PINS (SOLD IN SETS OF 3)	1
FG50LBC	LEVER BC OP10 CAPTIN REF# 9711750112	1
FG50LBE	LEVER BE (61P348793)	5
FG50LLDE	LEVER DE (SET/3)	2
FG562GJ-EIS0KZ	OP20 GUIDE JAW S0KZ	1
FG67LB	LEVER FOR FG67V CHUCK (SET/3)	3
FRU3.1J	STEADY REST (20-165MM) (AGE)	2
GB3301	MASTER JAW FOR B06 -(SET/3)	1
GB3307	MASTER JAW FOR B21	1
GB3504-PREOWNED	B212 MASTER JAWS	1
GB5499	MASTER JAW FOR N04	5
GB5500	MASTER JAWS FOR N05	1
GB5500	MASTER JAWS FOR N05	5
GB5506	MASTER JAWS\N-21\N-24	2
GB6601	MASTER JAWS FOR NL-04	2
GB8802K	MASTER JAW FOR HOH08K	2
GB8901	MASTER JAW HOH208	3
GBNLT-10	MASTER JAWS FOR NLT-10	1
GB-PU208	MASTER JAWS PU208	5
HBS06C	HARD JAWS FOR JN06T/2PC	5
HBS07C	HARD JAWS FOR JN07T JN07 JN08 (SET/3)	1
HD-B05	JOINT HANDLE	2
HD-B06	JOINT HANDLE B-06, HOB-06, PU208	2
HD-B205	JOINT HANDLE	9
HD-B212-47X	JOINT HANDLE B212X,B212A0815X ,B212A147X	2
HD-BL206	JOINT HANDLE BL206	1
HD-BL210	JOINT HANDLE	3
HD-BL212	JOINT HANDLE	2
HOH208	8", 3-JAW, EXTRA HIGH SPEED CHUCKS, COUNTER BALANCE MECHANISM	4
HSUB1131	STEADY REST (110-310MM)	2
HSUB324	STEADY REST 30MM-245MM	1
HW-15	15" 4-JAW LEVER TYPE POWER CHUCK W/CLOSED CENTER	1
JN08RA6	8" 3-JAW SCROLL CHUCK (AGE)	1
JS07	7" 4-JAW SCROLL CHUCK	1
KPAFK-4-21-00	21" 2+2 CHUCK WITH FACE SEALED	1
LU-15 (PDD)	LU-15, PDD-15 CHUCK ASSY W/O CHUCK ADAPTOR (AGE)	2
LU-10	10" 3-JAW, CLOSED CENTER, PULL BACK, POWER CHUCK	2
LU-15 (PDD)	never mounted, Pull down chucks	3
LVR-PIN-HOH06K	LEVER PIN FOR HOH06K	3

M1221HA21N	HYDRAULIC CYLINDER COMPACT STYLE W/CLOSED CENTER (AIR)	1
MD285-002	DIVIDER/INDEX JAW	1
MR250RA-CYL	CYLINDER FOR MR250RA 61E362842	2
MR320RA-BPP	MR320RA BEARING PUSH PLATE	2
MR320RA-CYL	CYLINDER 61E366998	2
MR320RA-FL	FLANGE (61E447631)	1
MR320RA-PIS	PISTON ASSEMBLY	1
N-05	5" 3-JAW CLOSED CENTER POWER CHUCK	1
PN-B06	PLUNGER NUT / B-06	5
PN-B206	PLUNGER NUT	9
PN-B215	PLUNGER NUT F/B215	1
PN-BB06	PLUNGER NUT BB06	1
PN-BB208	PLUNGER NUT BB208A0647 & 47A	3
PN-BL210	PLUNGER NUT BL210	2
PN-BL212	PLUNGER NUT BL212 (61P431215)	1
PN-BT08	PLUNGER NUT	2
PN-BT206	PLUNGER NUT BT206	1
PN-BT208	PLUNGER NUT BT208	5
PN-BT210	PLUNGER NUT	1
PN-BT212	PLUNGER NUT BT212	1
PU-204	4" 3-JAW, CLOSED CENTER, PULL LOCK, POWER CHUCK	1
PU-212	12" 3-JAW, CLOSED CENTER, PULL LOCK, POWER CHUCK	2
PUB-210	10", 3-JAW, THROUGH HOLE, PULL LOCK, POWER CHUCK (AGE)	3
PUE-05	5" 3-JAW, CLOSED CENTER, PULL LOCK, POWER CHUCK	1
PW-06-7473PRE-O	PREOWNED PW-06 WITH KUY7473 (METFORM PROJ 794077)	1
PW-06-MOD	6" MODIFIED CHUCK KUY7434-3	2
PW-06PHBSHG-50	SPHERICAL BUSHING#4-50	2
PW-08SPHBG100-C	SPHERICAL BUSHING 100 - C	1
PW-08SPHBSHG-A	SPHERICAL BUS HING# 4 (OMM PULL DOWN) 1 SET / 2 PCS	1
PW-10SC-PLUNGER	PW-10SC- CENTER PLUNGER	1
PW-12-MOD	12" MODIFIED CHUCK (WITH KUY7507-1)	1
PW-12SC	12" 3-JAW, BALL LOCK COMPENSATING POWER CHUCK	1
PWT-08SC	8" 2-JAW POWER WING COMPENSATING CHUCK (AGE)	5
PWT-10SPHBG-50	SPERICAL BUSHING FOR PWT10/PWT12 0.5MM PULL DOWN STYLE	1
PWT-12SPHBSHG-0	SPHERICAL BUSHING 00 PULL DOWN	1
QB206	6" QUICK JAW CHANGE CHUCK - DISCONTINUED, SEE QB306 (AGE)	1
QB310/STOP/PIN	STOP PIN FOR QB310 SEE NOTE	7
Q-CRL42-CAP-KNI	CR42A06-LQ CAP	3
QJR08-00-INCOMPLETE	FOR PARTS ONLY ( MISSING MASTER JAWS, SOFT JAWS, BASE JAWS, DRAW NUT)	1
QJR-10_BALL7.9	STEEL BALL 7.9 FOR QJR-10 (EACH)	2
QJR-10_LOCKPIN	LOCK PIN QJR-10 (EACH)	1

QJR-10_PIN_A	GUIDE PIN A FOR QJR-10 (EACH)	3
QJR-10_PIN_B	GUIDE PIN B FOR QJR-10 (EACH)	3
QJR-10_SPRING	COIL SPRING TF8X10 FOR QJR-10 (EACH)	3
QJR-12_BALL4.7	STEEL BALL 4.7 FOR QJR-12 (EACH)	2
QJR-12_BALL7.9	STEEL BALL 7.9 FOR QJR-12 (EACH)	2
QJR-12_PIN_B	GUIDE PIN B FOR QJR-12 (EACH) 61P464741	1
QJR-12_SPRING	COIL SPRING TF8X10 FOR QJR-12 (EACH) 068AAA0156	2
RS250RA-BPP	BEARING PUSH PLATE 61E350339	4
RS250RA-CLPF	RS250RA CLAMP FLANGE	2
RS250RA-CPA	CLAMP PLATE A (61E439112)	4
RS250RA-CYL	CYLINDER FOR RS250RA (61E350340)	4
RS250RA-PISTON	PISTON FOR RS250RA (61E356111)	4
RS250RA-TAB	TABLE 61E351297	4
RS250RA-WOR	RS250RA WORMSHAFT 9713722190	2
RS320RA-BPP	BEARING PUSH PLATE 61E355825	2
RS320RA-CLPA	CLAMP PLATE A 61E441839	2
RS320RA-CLPB	CLAMP PLATE B 61E443276	2
RS320RA-CYL	CYLINDER 61E358887	2
RS320RAM01-SPI	SPINDLE ASSEMBLY ID 105	2
RS320RA-PIS	PISTON	1
RS320RA-SPI	SPINDLE ASSY	1
RS320RA-SPI	SPINDLE ASSY	1
RS320RA-WOR	WORM SHAFT ASSY	2
S1036	HYDRAULIC CYLINDER LARGE THROUGH HOLE HIGH SPEED W/OPEN CENTER	2
S1246-84A	HYDRAULIC CYLINDER HAAS #90-0010A OEM	53
S1552-INC	S1552 W/O PISTON, CS-S15CVR, SLEEVE, FAN COVER (for parts only)	1
S1875(ASSY)	S1875-SLEEVE, ROTARY VALVE, BEARINGS	3
SB04B1	SOFT JAWS (KSB04B1) N04,AS04,NL04,RC04	1
SB08B15D	SOFT JAWS - 29MM WIDE	19
SB12A1T	SOFT JAWS (SET/2)	1
SB15A2Q	HW-15 SOFT JAW (4/SET)	1
SB-PLS08	SOFT JAWS PLS-08 (SAME AS SB-PU208)	1
SB-PWT08	SOFT JAWS FOR PWT-08 (61P332344)	12
SB-PWT10	SOFT JAWS FOR PWT10 (61P332345)	1
SB-UPR710	SOFT JAWS (SET/3)	1
SC-9/0	971701050-OD JAWS	1
SC-9/I	9710700050-ID JAWS	1
SK-F07	SEAL KIT, F07	2
SK-M1221RC	SEAL KIT, M1221RC	1
SK-Y1530HE	SEAL KIT, YT1530HE	1
SK-YS	COMBINATIONS SEAL KIT;YS1415K, YS1820K AND YS2220K (B-3)	4

SR1146C21	DMG-MORI STYLE OEM CYLINDER	2
SS1766C21(ASSY)	SLEEVE/ROTARY VALVE/BEARINGS	3
TNS1088	T-NUT FOR N-04, NL04, AS04	3
TNS1100	T-NUT \ B-05 (DISCONTINUED)	1
TNS2199-A	T-NUT FOR B-04 TO B204 (KUY2347)	1
TNS-DL210	TNUT DL210	1
TNS-HW10	T-NUT HW-10	4
TNS-HW12	T-NUT HW-12	3
WP1100	WEDGE PLUNGER N-05	8
WP1103	WEDGE PLUNGER FOR N10	1
WP1105	WEDGE PLUNGER N-15 AND HJA8-15	2
WP1106	WEDGE PLUNGER N-18	1
WP2201	WEDGE PLUNGER FOR B06	8
WP2202	WEDGE PLUNGER FOR B08	10
WP5503K	WEDGE PLUNGER FOR HOH10K	2
WP6600	WEDGE PLUNGER / B205	6
WP6602T	WEDGE PLUNGER BT208	2
WP6603-15X	WEDGE PLUNGER B210-15X	2
WP-AS08	WEDGE PLUNGER FOR AS08	2
WPAT06	AT06 WEDGE PLUNGER (WP-AT06)	4
WP-N04	WEDGE PLUNGER N-04	5
WP-NL04	WEDGE PLUNGER NL-04	1
WP-NL06	WEDGE PLUNGER	1
WP-NL08	WEDGE PLUNGER NL-08	1
WP-PU208	WEDGE PLUNGER FOR PU208	6
WP-PW15	WEDGE PLUNGER PW-15	2
WP-PWT10SC	PLUNGER FOR PWT-10SC (61P419379)	1
WP-UVE200K	WEDGE PLUNGER	1
Y1030RE01A	HYDRAULIC CYLINDER (AGE)	2
Y1225RE-BAR	PISTON ROD Y1225RE/01 & Y1530RE 61R324806	2
Y1225RE-BAR	PISTON ROD Y1225RE/01 & Y1530RE 61R324806	1
Y1530RE09F-INC	CYLINDER MISSING PISTON ROD/PSW/REAR CASING	1
YG204	HYDRAULIC CYLINDER DUAL PISTON (AGE)	5
YG306Z14Q	HYDRAULIC CYLINDER (W/O ROTARY UNION & NOZZLE) (AGE)	1
	Returned, Take-offs, Scratch & Dent Items	
JN12T-PREOWNED	small cosmetic, (add t-wrench)	1
BBT206	Cosmetic damage	1
AY2225R-PRE ( air cylinder)	Returned unused	1
AY1720R-PRE (air cylinder)	new, cosmetic	1



GB3504 MJ preowned	returned, small ding, filed off	<b>1 set</b>
PW-06 with mods	ref dwg KUY5619-1	<b>1</b>
PW-08 ??	cosmetics	<b>1</b>
PUB206	new, cosmetic	<b>1</b>
HW-10 PARTS	new, 2 inner wedges, 2 chip covers	<b>1</b>
S1546-01A	Cosmetic damage	<b>1</b>
B-21 PRE	new, cosmetic	<b>1</b>
BB208	Cosmetic damage, ext nut and plug	<b>1</b>
BB210A0801 PRE	Cosmetic damage	<b>1</b>
S2078-15Y PRE	new, cosmetic scratch, small dent	<b>1</b>
N-15VA1101	Cosmetic scratch and dents	<b>1</b>
QJR10, preowned	Cosmetic scratch /dents (for parts or replacment) w/o soft jaws, base jaws wrench	<b>1</b>