



futura
WEAR TECHNOLOGY

construction

FUTURA WEAR TECH



Performance

FUTURA RANGE has approximately 20% more usable wear material than other similar systems in the market.

FUTURA teeth are generally heavier than other competitor's teeth in the same category size and models. The additional steel has been added in key areas where the tooth is subject to wear.

MAINTAINS POINT SHARPNESS **+68% STEEL USED**



Increased safety

FUTURA hammerless fastening solutions contribute to increased onsite safety. The hammerless fastening systems offered are quick & easy to install and avoid the risks of hammer manipulation, notorious for causing thumb and finger injuries.

Self sharpening design

Raised central ribs, lateral ribs and recessed pocket help material flow, significantly extend tooth wear life and increase sharpness properties providing better tooth penetration, maintaining sharpness without reducing tooth resistance.

More than 68% of wear steel is consumed on FUTURA worn teeth compared to new ones. Thanks to its optimal design more than 68% of steel has been used without losing teeth sharpness.

Shortest downtime

With the design of quick and easy replacement assemblies, FUTURA engineered fastening solutions contribute to reduce machine's downtime. Hammering is also avoided and parts remain perfectly locked in place.



Engineered technology, affordable price

Hammerless solutions

FUTURA offers a wide range of quick and easy to install hammerless fastening solutions that completely eliminate the need for hammers to assemble parts, thus increasing on site safety and shortening machine downtime.



Index

TWISTER



T2



BP



TWISTER HAMMERLESS



X2



RIPPER



TWISTER SPLIT



PJP



BLADE



TWISTER

**COMPATIBLE
WITH ESCO
SUPERV®**



Teeth compatibility:
FUTURA TWISTER teeth fit
on your current
Super V® adapters




Adapters and Weld on Noses:
FUTURA TWISTER adapters
are suitable to be used with Esco
Super V® teeth



Complete system featuring teeth,
adapters, noses and pins. Sizes 130
to 810. TWISTER parts are suitable
to be used with Esco Super V®

GUIDE TO PART SIZES BY MAXIMUM MACHINE WEIGHT (TONS)

| | 130 | 170 | 190 | 230 | 260 | 330 | 390 | 430 | 530 | 590 | 630 | 690 | 730 | 810 |
|--|---------------------------|-----|------|---------------------|------|------|---------------------------|------|------|---------------|-------|-------|-------|-------|
|  STANDARD | 59 | 8,7 | 11,5 | 16,7 | 25,0 | 33,8 | 46,9 | 63,6 | 81,2 | 100,7 | 144,1 | 246,4 | 345,1 | |
|  HD | 45 | 6,8 | 8,9 | 12,9 | 19,5 | 25,0 | 33,4 | 46,9 | 63,6 | 81,2 | 100,7 | 136,4 | 211,3 | |
|  ST/HD | 44 | 7,1 | 10,0 | 15,7 | 21,7 | 29,4 | 39,9 | 53,1 | 67,4 | 88,8 | 119,9 | 166,0 | 270,5 | 402,3 |
|  EXTRA HD | 34 | 5,4 | 7,6 | 12,0 | 16,3 | 22,1 | 30,3 | 39,9 | 53,3 | 67,4 | 88,8 | 139,9 | 188,0 | 275,2 |
|  ST/HD | | | | | | | | 62,2 | 82,9 | 110,0 | 161,1 | 238,5 | 334,5 | |
|  EXTRA HD | | | | | | | | 48,6 | 62,2 | 82,9 | 120,4 | 162,1 | 231,9 | |
| | LIGHT CONSTRUCTION | | | CONSTRUCTION | | | HEAVY CONSTRUCTION | | | MIXING | | | | |

KEY TO PART NUMBERS

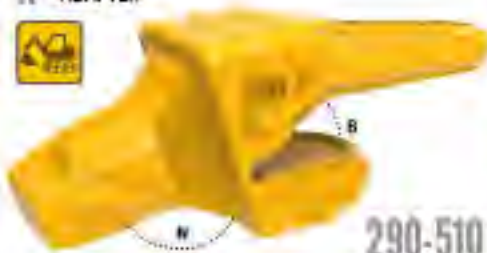
FT 330 RPL

BRAND TYPE SIZE VERSION ROCK PENETRATION LIGHT

TWISTER

excavator 

X EXCAVATOR ADAPTER



290-510

| Kg | lb | HP | BP | SP | Part# | OEM | SIZE | | |
|----|----|----|----|----|----------------------|------------------|---------------|-----------|-----|
| 10 | 22 | 17 | 30 | - | FT290 LD | 802A-V29 | 290 | | |
| 13 | 29 | 17 | 30 | - | FT390 LD | 803A-V30 | | | |
| 12 | 27 | 17 | 22 | - | FT390-B22 LD | 4971-V33 | | | |
| 12 | 27 | 17 | 22 | 45 | 1,0" | FT390-B22 LDH | 4972-V33 | 390 | |
| 12 | 27 | 17 | 22 | 15 | - | FT390-B22 LDRH | 4922R-V33 | | |
| 20 | 44 | 17 | 30 | - | FT390 LD | 1807A-V39 | | | |
| 20 | 44 | 17 | 30 | 10 | 50 | 2" | FT390 LDH | 1812A-V39 | 390 |
| 20 | 44 | 17 | 30 | 10 | - | FT390 LDRH | 1812RA-V39 | | |
| 29 | 64 | 17 | 30 | - | FT490 LD | 1807A-V40 | | | |
| 29 | 64 | 17 | 30 | 10 | 50 | 2" | FT490 LDH | 1808A-V40 | |
| 29 | 64 | 17 | 30 | 10 | - | FT490 LDRH | 1808RA-V40 | | |
| 29 | 64 | 17 | 22 | - | FT490-B22 LD | 1810-V40 | | | |
| 29 | 64 | 17 | 22 | 15 | 50 | 2" | FT490-B22 LDH | 1810A-V40 | 490 |
| 29 | 64 | 17 | 22 | 15 | - | FT490-B22 LDRH | 1810R-V40 | | |
| 27 | 60 | 17 | 22 | - | FT490-60B22 LD | 4888-V40 | | | |
| 27 | 60 | 17 | 22 | 15 | 60 2,4" 68,5 2,5" | FT490-60B22 LDH | 4888A-V40 | | |
| 27 | 60 | 17 | 22 | 15 | - | FT490-60B22 LDRH | 4888R-V40 | | |
| 36 | 80 | 17 | 30 | - | FT510 LD | 1820A-V51 | | | |
| 36 | 80 | 17 | 30 | 10 | 60 2,4" 68,5 2,5" | FT510 LDH | 1820A-V51 | | |
| 36 | 80 | 17 | 30 | 10 | - | FT510 LDRH | 1820RA-V51 | | |
| 35 | 77 | 17 | 22 | - | FT510-B22 LD | 8812A-V51 | 510 | | |
| 35 | 77 | 17 | 22 | 15 | 60 2,4" 68,5 2,5" | FT510-B22 LDH | 8812A-V51 | | |
| 35 | 77 | 17 | 22 | 15 | - | FT510-B22 LDRH | 8812RA-V51 | | |

BOC

BOLT-ON CORNER ADAPTER



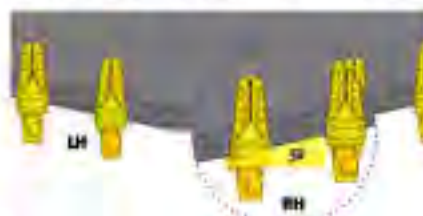
| Kg | lb | HP | BP | SP | Part# | OEM | SIZE |
|----|----|----|----|------|----------------|------------------------|------|
| 11 | 24 | 25 | 30 | 1,0" | FT290-25 BOC25 | 5788L-V29 5788R-V29 | 290 |
| 13 | 29 | 25 | 30 | 1,2" | FT290-30 BOC30 | 5776A-V29 | |
| 12 | 26 | 17 | 35 | 1,4" | FT290-35 BOC35 | 3767-V29 | 290 |
| 18 | 40 | 17 | 40 | 1,4" | FT290-40 BOC25 | 3773-V29 | |

BOC

BOLT-ON ADAPTER



| Kg | lb | HP | BP | SP | Part# | OEM | SIZE | |
|-----|----|----|----|------|---------------|---------------|-----------|-----|
| 7,6 | 17 | 25 | 25 | 1,0" | FT290-25 BO18 | 3808A-V29 | 290 | |
| 9,1 | 20 | 25 | 30 | 1,2" | FT290-30 BO16 | 5739A-V29 | | |
| 9,4 | 21 | 17 | 25 | 35 | 1,4" | FT290-35 BO18 | 3705A-V29 | 290 |
| 11 | 24 | 17 | 25 | 40 | 0,0" | FT290-40 BO16 | 8739-V29 | |



FL

WELD-ON FLUSH ADAPTER



| Kg | lb | HP | BP | SP | Part# | OEM | SIZE | |
|------|----|----|-------|------|-------|----------|----------|-----|
| 1,3 | 3 | 15 | 22 | 18 | 0,8" | FT190 FL | 8840-V19 | 190 |
| 2,4 | 5 | 15 | 25 | 20 | 0,8" | FT190 FL | 8806-V17 | 170 |
| 4,5 | 10 | 15 | 25 | 20 | 0,8" | FT190 FL | 8806-V19 | 190 |
| 7,0 | 15 | 15 | 25 | 35 | 1" | FT290 FL | 8803-V23 | 290 |
| 10,0 | 22 | 15 | 22-25 | 40 | 1,4" | FT290 FL | 8803-V29 | 290 |
| 13,2 | 29 | 15 | 22-25 | 40 | 1,0" | FT390 FL | 8801-V33 | 390 |
| 26,1 | 58 | 15 | 30 | 63,5 | 2,5" | FT490 FL | 8807-V40 | 490 |

WEAR CAPS FOR BROOKEN® TWISTLOK™ ADAPTERS

The FUTURA wear caps work with FUTURA TWISTER teeth ONLY

| Kg | lb | Part# | OEM | SIZE |
|------|----|------------|--------|------|
| 9,2 | 20 | FT630 BWC1 | 610WC1 | 630 |
| 23,1 | 51 | FT690 BWC1 | 690WC1 | 690 |
| 36,2 | 80 | FT710 BWC1 | 710WC1 | 710 |



TWISTLOK™ PRO

| Kg | lb | Part# | OEM | SIZE |
|------|----|------------|--------|------|
| 9,4 | 21 | FT690 BWC2 | 690WC2 | 690 |
| 28,3 | 63 | FT810 BWC2 | 810WC2 | 790 |

WEAR CAPS FUTURA

QUICK AND EASY INSTALLATION

Just slide the wear caps through the guides on the adapter.

STOCK SAVING

Each wear cap could be mounted on various FUTURA adapter models.

Wear caps help to prolong the wear life of each adapter.

Quick and easy installation through the guides.



OPTIONAL PROTECTION

Loader adapter mounted with optional wear caps



Extra wear resistance for FUTURA Adapters. One wear cap could be used for several FUTURA adapters. Easy to install. Versatile solution: stock savings.

LD LOADER ADAPTER



590-710

| Kg | lb | HP | BP | SP | Part# | OEM | SIZE | |
|-----|-----|----|----|----|----------------------|------------------|------------|-----|
| 46 | 100 | 17 | 22 | - | FT590-60B22 LD | 5809A-V59 | | |
| 46 | 100 | 17 | 22 | 15 | 60 2,4" 68,5 2,5" | FT590-60B22 LDH | 5809A-V59 | |
| 46 | 100 | 17 | 22 | 15 | - | FT590-60B22 LDRH | 5809RA-V59 | |
| 47 | 104 | 17 | 22 | - | FT590-B22 LD | 4971-V59 | | |
| 47 | 104 | 17 | 22 | 15 | 70 2,0" 75 2,1" | FT590-B22 LDH | 4971A-V59 | |
| 47 | 104 | 17 | 22 | 15 | - | FT590-B22 LDRH | 4971R-V59 | |
| 58 | 127 | 17 | 30 | - | FT610 LD | 8812-V61 | | |
| 58 | 127 | 17 | 30 | 10 | 70 2,0" | FT610 LDH | 8812A-V61 | 610 |
| 58 | 127 | 17 | 30 | 10 | - | FT610 LDRH | 8812RA-V61 | |
| 89 | 196 | 17 | 30 | - | FT690 LD | 5829-V59 | | |
| 89 | 196 | 17 | 30 | 10 | 90 3,5" | FT690 LDH | 5829A-V59 | 690 |
| 89 | 196 | 17 | 30 | 10 | - | FT690 LDRH | 5829RA-V59 | |
| 119 | 263 | 17 | 30 | - | FT710 LD | 5808-V71 | | |
| 119 | 263 | 17 | 30 | 10 | 100 3,0" | FT710 LDH | 5808A-V71 | 710 |
| 119 | 263 | 17 | 30 | 10 | - | FT710 LDRH | 5808RA-V71 | |

WC

OPTIONAL WEAR CAPS



590-710

| Kg | lb | Part# | OEM | SIZE |
|-----|----|----------|---|------|
| 1,5 | 3 | FT599 WC | FT590-B22 LD FT590-B22 LDH FT590-B22 LDRH | 590 |
| 2,4 | 5 | FT661 WC | FT610 LD FT610 LDH FT610 LDRH | 610 |
| 2,2 | 5 | FT669 WC | FT690 LD FT690 LDH FT690 LDRH | 690 |
| 4,5 | 10 | FT801 WC | FT710 LD FT710 LDH FT710 LDRH | 710 |

TWISTER

EXCAVATOR

TWISTER

X EXCAVATOR ADAPTER

130-510

| Kg | Lb | H | B | W | Part# | OEM | SIZE |
|--------|----|----|----|------|-------------|------------------------|------|
| 1,2 | 1 | 15 | 30 | | FT130 | 3810T-V13 | |
| 1,1 | 1 | 15 | 30 | 16 | 0,0" | FT130 LH | 130 |
| 1,1 | 1 | 15 | 30 | | FT130 RH | | |
| 2,0 | 4 | 15 | 30 | | FT170 | 8841-V17 | |
| 1,8 | 4 | 15 | 30 | 20 | 0,0" | FT170 LH | 170 |
| 1,8 | 4 | 15 | 30 | | FT170 RH | | |
| 2,5 | 4 | 17 | 23 | | FT170-25 | 8842-V17 | |
| 2,3 | 4 | 17 | 23 | 25 | 1,0" | FT170-25 LH | 170 |
| 2,3 | 4 | 17 | 23 | | FT170-25 RH | | |
| 4,8 | 11 | 15 | 30 | | FT190 | 8822-V19 8824-V19 | |
| 4,4 | 10 | 15 | 30 | 25 | 1,0" | FT190 LH | 190 |
| 4,4 | 10 | 15 | 30 | | FT190 RH | | |
| 6,8 | 15 | 15 | 30 | | FT230 | 8854-V23 | |
| 6,0 | 13 | 15 | 30 | 25 | 1,0" | FT230 LH | 230 |
| 6,0 | 13 | 15 | 30 | | FT230 RH | | |
| 6,5 | 14 | 15 | 30 | | FT230-30 | 8860-V23 8849-V23 | 230 |
| 5,9 | 13 | 15 | 30 | 30 | 1,2" | FT230-30 LH | |
| 5,9 | 13 | 15 | 30 | | FT230-30 RH | | |
| 8,4 | 18 | 10 | 30 | | FT290 | 8849-V29 | |
| 7,5 | 16 | 10 | 30 | 30 | 1,2" | FT290 LH | |
| 7,5 | 16 | 10 | 30 | | FT290 RH | | |
| 7,8 | 17 | 10 | 30 | | FT290-35 | 3881A-V29 3871A-V29 | |
| 7,1 | 16 | 10 | 30 | 35 | 1,0" | FT290-35 LH | 290 |
| 7,1 | 16 | 10 | 30 | | FT290-35 RH | | |
| 7,8 | 17 | 10 | 30 | | FT290-40 | 3882A-V29 3872A-V29 | |
| 7,2 | 16 | 10 | 30 | 40 | 1,0" | FT290-40 LH | |
| 7,2 | 16 | 10 | 30 | | FT290-40 RH | | |
| 11,425 | 10 | 30 | | | FT330 | 8855-V33 3882A-V33 | |
| 10,423 | 10 | 30 | 40 | 1,0" | FT330 LH | | 330 |
| 10,423 | 10 | 30 | | | FT330 RH | | |
| 16,336 | 10 | 30 | | | FT390 | 3820A-V39 | |
| 15,033 | 10 | 30 | 45 | 1,0" | FT390 LH | | 390 |
| 15,033 | 10 | 30 | | | FT390 RH | | |
| 23,251 | 10 | 30 | | | FT430 | 8801-V43 3899-V43 | |
| 20,946 | 10 | 30 | 50 | 2,0" | FT430 LH | | 430 |
| 20,946 | 10 | 30 | | | FT430 RH | | |
| 28 | 61 | 10 | 30 | | FT510 | 3852A-V51 3811-V51 | |
| 28 | 61 | 10 | 30 | 60 | 2,0" | FT510 LH | 510 |
| 28 | 61 | 10 | 30 | 63,5 | 2,0" | FT510 RH | |



TWISTER EXCAVATOR CORNERS

C BOTTOM LEG ADAPTER



CST STRADDLE CORNER



| Kg | Lb | H | B | W | Part# | OEM | SIZE |
|-----|-----|-----|------|----|-------|---------|------|
| 94 | 207 | 70 | 2,0" | 50 | 2,0" | FT510 C | 510 |
| 104 | 229 | 70 | 2,0" | 50 | 2,0" | FT590 C | 590 |
| 152 | 334 | 90 | 3,5" | 75 | 3,0" | FT610 C | 610 |
| 179 | 394 | 90 | 3,5" | 75 | 3,0" | FT690 C | 690 |
| 282 | 622 | 100 | 5,0" | 75 | 3,0" | FT710 C | 710 |
| 431 | 949 | 140 | 5,5" | 90 | 3,5" | FT810 C | 810 |

| Kg | Lb | H | B | W | Part# | OEM | SIZE |
|-----|-----|-----|------|----|-------|---------------|------|
| 87 | 191 | 80 | 3,1" | 50 | 2,0" | FT610 CST | 610 |
| 114 | 251 | 90 | 3,5" | 70 | 2,4" | FT690 CST | 690 |
| 147 | 324 | 100 | 3,9" | 80 | 3,1" | FT710-100 CST | 710 |
| 210 | 462 | 120 | 4,7" | 90 | 3,5" | FT810 CST | 810 |
| 218 | 479 | 140 | 5,5" | 90 | 3,5" | FT810-140 CST | 810 |
| 431 | 949 | 140 | 5,5" | 90 | 3,5" | FT810 C | 810 |



X EXCAVATOR ADAPTER

590-810

| Kg | Lb | H | B | W | Part# | OEM | Corner | size |
|-----|-----|----|----|-----|-------|-----------|-----------------------|------------------------------|
| 38 | 84 | 10 | 30 | 70 | 2,0" | FT390 | 3898-V39 | FT390 C 390 |
| 60 | 133 | 10 | 30 | 80 | 3,1" | FT610 | 3898-V61 | FT610 C or FT610 CST 610 |
| 74 | 163 | 10 | 30 | 80 | 3,1" | FT690 | 3898-V69 | FT690 C or FT690 CST 690 |
| 75 | 164 | 10 | 30 | 90 | 3,5" | FT690-90 | 8823-V69 | |
| 122 | 269 | 10 | 30 | 90 | 3,5" | FT710 | 2837-V71 | FT710 C or FT710-100 CST 710 |
| 118 | 260 | 10 | 30 | 100 | 3,9" | FT710-100 | 3897-V71 | |
| 177 | 390 | 10 | 30 | 120 | 4,7" | FT810 | 3899-V81 3820A-V81 | FT810 C or FT810 CST 810 |
| 200 | 440 | 10 | 30 | 140 | 5,5" | FT810-140 | 8825-V81 | FT810 C or FT810-140 CST 810 |

BL BOTTOM LEG ADAPTER

| Kg | Lb | H | B | W | Part# | OEM | size |
|-----|----|----|----|-------|------------|----------|------------|
| 1,0 | 1 | 17 | 30 | 15 | 0,0" | FT130 BL | 60-V13 130 |
| 1,7 | 4 | 17 | 30 | 20 | 0,0" | FT170 BL | 80-V17 170 |
| 3,5 | 8 | 17 | 30 | 25-30 | 1,1", 1,2" | FT190 BL | 60-V19 190 |
| 4,8 | 11 | 15 | 30 | 30 | 1,2" | FT230 BL | 3870-V23 |



TWISTER

HAMMERLESS

TWISTER

HAMMERLESS SOLUTION COMPATIBLE WITH ESCO SUPERV®



RC-HL ROCK CHISEL



| Kg | Lb | Part | OSM | MS |
|------|-----|-------------|-------|-----|
| 26,4 | 58 | FT590 RC-HL | V52SD | 590 |
| 32,5 | 70 | FT610 RC-HL | V61SD | 610 |
| 46,7 | 103 | FT690 RC-HL | V69SD | 690 |
| 54,7 | 120 | FT710 RC-HL | V71SD | 710 |
| 90,8 | 200 | FT810 RC-HL | V81SD | 810 |

RCXL-HL ROCK CHISEL HEAVY



| Kg | Lb | Part | OSM | MS |
|-----|-----|---------------|--------|-----|
| 68 | 150 | FT730 RCXL-HL | V73CHD | 730 |
| 106 | 233 | FT880 RCXL-HL | V81CHD | 880 |

RX-HL ROCK X



| Kg | Lb | Part | OSM | MS |
|-------|-----|-------------|--------|-----|
| 54,0 | 119 | FT630 RX-HL | V63RSL | 630 |
| 70,0 | 154 | FT780 RX-HL | V73RSL | 730 |
| 102,0 | 224 | FT880 RX-HL | V83RSL | 880 |

I-HL IMPACT



| Kg | Lb | Part | OSM | MS |
|------|-----|------------|--------|-----|
| 26,2 | 58 | FT590 I-HL | V59RYL | 590 |
| 28,3 | 63 | FT610 I-HL | V61RYL | 610 |
| 44,5 | 98 | FT690 I-HL | V69RYL | 690 |
| 55,0 | 121 | FT710 I-HL | V71RYL | 710 |
| 87,7 | 193 | FT810 I-HL | V81RYL | 810 |

PN-HL HAMMERLESS PIN



| Kg | Lb | mm | Lb | Part | OSM | MS |
|------|-----|-----|--------|--------------|-------|------------------|
| 0,09 | 0,1 | 31 | 1/8" | FT3167 PN-HL | - | EXTFT1337 A 330 |
| 0,25 | 0,5 | 52 | 3/8" | FT3823 PN-HL | M5 | A 380 |
| 0,18 | 0,4 | 65 | 5/8" | FT3933 PN-HL | M5 | A 390 |
| 0,21 | 0,5 | 77 | 1" | FT380 PN-HL | M5 | EXTFT1363 A 380 |
| 0,29 | 0,6 | 85 | 1 1/8" | FT430 PN-HL | M5 | A 430 |
| 0,34 | 0,7 | 90 | 1 1/4" | FT510 PN-HL | M5 | A 510 |
| 0,60 | 1,4 | 107 | 1 1/2" | FT380 PN-HL | 10 mm | B 380 |
| 0,75 | 1,7 | 117 | 1 3/8" | FT6165 PN-HL | 10 mm | B 610 |
| 1,00 | 2,2 | 121 | 1 1/2" | FT690 PN-HL | 13 mm | EXTFT-5985 B 690 |
| 1,35 | 3,0 | 130 | 1 1/4" | FT710 PN-HL | 13 mm | B 710 |
| 1,97 | 4,4 | 180 | 7/8" | FT810 PN-HL | 17 mm | B 810 |

EXTRACTION TOOLS

EXTFT1317
EXTFT1951
EXTFT-5985



RPHD-HL ROCK PENETRATION HD



| Kg | Lb | Part | OSM | MS |
|------|-----|---------------|------------------|-----|
| 64,0 | 141 | FT680 RPHD-HL | V68ARL V71HD | 680 |
| 89,5 | 197 | FT730 RPHD-HL | V71ARL V71HTL | 730 |

RPL-HL ROCK PENETRATION LIGHT



| Kg | Lb | Part | OSM | MS |
|----|-----|--------------|-----------------|-----|
| 53 | 117 | FT690 RPL-HL | V69ARL V69AG | 690 |

SYL SYMMETRIC TWO LOCKING OPTIONS



| | | HAMMERLESS | | STANDARD | |
|------|-----|------------|--------|----------|--|
| Kg | Lb | Part | OSM | MS | |
| 0,8 | 1,7 | FT330 SYL | V33SYL | 330 | |
| 1,4 | 3 | FT370 SYL | V37SYL | 370 | |
| 2,5 | 5 | FT390 SYL | V39SYL | 390 | |
| 3,5 | 8 | FT380 SYL | V38SYL | 380 | |
| 3,8 | 8 | FT290 SYL | V29SYL | 290 | |
| 6,0 | 13 | FT330 SYL | V33SYL | 330 | |
| 10,8 | 24 | FT380 SYL | V38SYL | 380 | |
| 14,9 | 33 | FT430 SYL | V43SYL | 430 | |
| 18,3 | 40 | FT510 SYL | V51SYL | 510 | |

T2

COMPATIBLE WITH ESCO SV2®



T2



RP



| Kg | Lb | Part# | CEM | SIZE |
|----|----|----------|-----|------|
| 44 | 97 | FT265 RP | | 265 |

RC



| Kg | Lb | Part# | CEM | SIZE |
|----|-----|----------|---------|------|
| 35 | 77 | FT265 RC | 65SV2SD | 265 |
| 51 | 112 | FT270 RC | 70SV2SD | 270 |
| 66 | 145 | FT275 RC | 75SV2SD | 275 |
| 90 | 198 | FT285 RC | 85SV2SD | 285 |

RX



| Kg | Lb | Part# | CEM | SIZE |
|-----|-----|----------|-------------|------|
| 34 | 75 | FT265 RX | 65SV2RX/RXL | 265 |
| 54 | 118 | FT270 RX | 70SV2RX/RXL | 270 |
| 80 | 175 | FT275 RX | 75SV2RX/RXL | 275 |
| 100 | 221 | FT285 RX | 85SV2RX/RXL | 285 |

VX



| Kg | Lb | Part# | CEM | SIZE |
|----|-----|----------|---------|------|
| 31 | 68 | FT265 VX | 65SV2VX | 265 |
| 45 | 99 | FT270 VX | 70SV2VX | 270 |
| 60 | 132 | FT275 VX | 75SV2VX | 275 |
| 87 | 191 | FT285 VX | 85SV2VX | 285 |

RPL



| Kg | Lb | Part# | CEM | SIZE |
|----|----|-----------|---------|------|
| 41 | 90 | FT265 RPL | 65SV2AG | 265 |

RCXL



| Kg | Lb | Part# | CEM | SIZE |
|-----|-----|------------|---------|------|
| 102 | 224 | FT285 RCXL | 85V2CHD | 285 |

RXL



| Kg | Lb | Part# | CEM | SIZE |
|-----|-----|-----------|---------|------|
| 117 | 257 | FT285 RXL | 85V2RXL | 285 |

PN-HL

| Kg | Lb | Part# | SIZE |
|-----|-----|--------------|------|
| 0,8 | 1,7 | FT6165 PN-HL | 265 |
| 1,1 | 2,5 | FT270 PN-HL | 270 |
| 1,2 | 2,6 | FT275 PN-HL | 275 |
| 1,8 | 3,9 | FT280 PN-HL | 280 |



EXTFT5985
EXTRACTION TOOL

RPHD



| Kg | Lb | Part# | CEM | SIZE |
|-----|-----|------------|-----------|------|
| 55 | 121 | FT265 RPHD | 65SV2ADHL | 265 |
| 81 | 177 | FT270 RPHD | 70SV2ADHL | 270 |
| 107 | 235 | FT275 RPHD | 75SV2ADH | 275 |

excavator adapters



| Kg | Lb | Part# | CEM | SIZE | |
|-----|-----|----------|---------------|---------------|-----|
| 64 | 140 | 70 2,8" | FT265-7075 | 880HW-65SV2 | |
| 56 | 120 | 75 3" | FT265-7075 LH | FT265-7075 RH | |
| 64 | 141 | 80 3,1" | FT265-80 | 880HW-65SV2 | 265 |
| 57 | 125 | | FT265-80 LH | FT265-80 RH | |
| 64 | 141 | | FT265 | 880HW-65SV2 | |
| 57 | 125 | 90 3,5" | FT265 LH | FT265 RH | |
| 105 | 231 | 90 3,5" | FT270 | 880HW-70SV2 | |
| 85 | 187 | | FT270 LH | FT270 RH | 270 |
| 104 | 229 | | FT270-100 | 880HW-70SV2 | |
| 92 | 202 | 100 3,9" | FT270-100 LH | FT270-100 RH | |
| 151 | 332 | | FT275 | 880HW-75SV2 | |
| 130 | 286 | 100 3,9" | FT25 LH | FT275RH | 275 |
| 151 | 332 | | FT275-120 | 880HW-75SV2 | |
| 130 | 286 | 120 4,7" | FT275-120 LH | FT275-120 RH | |
| 189 | 416 | | FT285 | 880D-85SV2 | |
| 163 | 359 | 120 4,7" | FT285 LH | FT285 RH | 285 |
| 184 | 405 | 140 5,5" | FT285-140 | | |

corners



| Kg | Lb | Part# | SIZE |
|-----|------|----------|---------------------------|
| 197 | 433 | 100 3,9" | FT275 CLH 880HW-75SV2 |
| 412 | 908 | 3,9" | FT275 CRH 880HW-75SV2 |
| 506 | 1114 | 120 4,7" | FT285 CLH 880HW-85SV2 |
| | | | FT285 CRH 880HW-85SV2 |
| | | | FT285 STLH 880HL-85SV2 |
| 197 | 433 | 120 4,7" | FT285 STRH 880HW-85SV2 |

loader adapters



| Kg | Lb | Part# | CEM | SIZE |
|-----|-----|---------|-------------|-------------|
| 84 | 184 | | FT265 LD | 680HW-65SV2 |
| 72 | 158 | 70 | FT265 LDLH | |
| 85 | 187 | 30 75 | FT265 LDLHS | 680HW-65SV2 |
| 72 | 159 | 17 2,8" | FT265 LDRH | |
| 85 | 187 | 30 | FT265 LDRHS | 680HW-65SV2 |
| 84 | 184 | | FT270 LD | 680HW-70SV2 |
| 56 | 123 | 80 | FT270 LDLH | |
| 97 | 214 | 30 90 | FT270 LDLHS | 680HW-70SV2 |
| 86 | 190 | 17 3,5" | FT270 LDRH | |
| 99 | 217 | 30 | FT270 LDRHS | 680HW-70SV2 |
| 86 | 190 | | FT275 LD | 680HW-75SV2 |
| 99 | 217 | 80 | FT275 LDLH | |
| 155 | 341 | 30 100 | FT275 LDLHS | 680HW-75SV2 |
| 137 | 302 | 17 3,9" | FT275 LDRH | |
| 157 | 346 | 30 | FT275 LDRHS | 680HW-75SV2 |

wear caps

FOR WHISLER ADAPTERS



| Kg | Lb | Part# | CEM | SIZE |
|----|----|-----------|-------|------|
| 34 | 75 | FWH750 WC | WC175 | 175 |
| 45 | 99 | FWH850 WC | WC185 | 185 |



| Kg | Lb | Part# | CEM | SIZE |
|----|----|----------|-------|------|
| 9 | 20 | FT265 WC | WC265 | 265 |
| 13 | 28 | FT270 WC | WC270 | 270 |
| 17 | 37 | FT275 WC | WC275 | 275 |
| 21 | 45 | FT285 WC | WC285 | 285 |



| Kg | Lb | Part# | CEM | SIZE |
|----|----|------------|-----|------|
| 12 | 26 | FT265 WCLD | | 265 |
| 13 | 28 | FT270 WCLD | | 270 |
| 17 | 37 | FT275 WCLD | | 275 |

SIZE is a registered trademark of Escó Corporation. Manufacturers' names, descriptions, pictures and part# numbers are used for reference purposes only.

X2

COMPATIBLE WITH HENSLEY XS®



X2



RPHD



| kg | lb | Part# | QEM | MS |
|-----|-----|-------------|----------|------|
| 54 | 118 | FX250 RPHD | X250RPH | 850 |
| 71 | 157 | FX1150 RPHD | X1150RPH | 1150 |
| 108 | 237 | FX1450 RPHD | X1450RPH | 1450 |



TL



| kg | lb | Part# | QEM | MS |
|-----|-----|-----------|---------|------|
| 20 | 47 | FX250 TL | X250TL | 850 |
| 30 | 66 | FX1150 TL | X1150TL | 1150 |
| 52 | 113 | FX1450 TL | X1450TL | 1450 |
| 84 | 185 | FX2500 TL | X2500TL | 2500 |
| 120 | 264 | FX3400 TL | X3400TL | 3400 |



RC



| kg | lb | Part# | QEM | MS |
|-----|-----|-----------|---------|------|
| 20 | 44 | FX250 RC | X250RC | 850 |
| 48 | 106 | FX1150 RC | X1150RC | 1150 |
| 62 | 138 | FX1450 RC | X1450RC | 1450 |
| 90 | 198 | FX2500 RC | X2500RC | 2500 |
| 118 | 261 | FX3400 RC | X3400RC | 3400 |



SYL



| kg | lb | Part# | QEM | MS |
|------|----|-----------|---------|-----|
| 20,0 | 44 | FX250 SYL | X250SYL | 850 |

RPHD

| kg | lb | Part# | QEM | MS |
|-----|-----|-------------|----------|------|
| 71 | 156 | FX1220 RPHD | X1220RPH | 1220 |
| 106 | 234 | FX1520 RPHD | X1520RPH | 1520 |

TL

| kg | lb | Part# | QEM | MS |
|-----|-----|-----------|---------|------|
| 45 | 99 | FX1220 TL | X1220TL | 1220 |
| 62 | 138 | FX1520 TL | X1520TL | 1520 |
| 90 | 198 | FX2520 TL | X2520TL | 2520 |
| 121 | 266 | FX3420 TL | X3420TL | 3420 |

RC

| kg | lb | Part# | QEM | MS |
|-----|-----|-----------|---------|------|
| 52 | 114 | FX1220 RC | X1220RC | 1220 |
| 73 | 161 | FX1520 RC | X1520RC | 1520 |
| 113 | 249 | FX2520 RC | X2520RC | 2520 |
| 121 | 266 | FX3420 RC | X3420RC | 3420 |

PN

| kg | lb | Part# | QEM | MS |
|----|----|-----------|---------|------|
| 2 | 4 | FX250 PN | X250PN | 850 |
| 3 | 6 | FX1150 PN | X1150PN | 1150 |
| 4 | 8 | FX1450 PN | X1450PN | 1450 |
| 5 | 11 | FX2500 PN | X2500PN | 2500 |
| 6 | 13 | FX3400 PN | X3400PN | 3400 |



excavator adapters



| kg | lb | CF | CF | CF | CF | Part# | QEM | MS |
|------|-----|----|----|----|----|---------------|---------------------|------|
| 49 | 107 | 30 | 10 | 75 | 2 | FX050-75 | 1275050 13000550 | 850 |
| 68,5 | 151 | 30 | 10 | 75 | 2 | FX1150-75 | 30000315 | |
| 73 | 160 | 30 | 10 | 75 | 2 | FX1150-75 LH | 30100315 | 1150 |
| 73 | 160 | 30 | 10 | 75 | 2 | FX1150-75 RH | 30200315 | |
| 83 | 182 | 30 | 10 | 75 | 2 | FX1150-90 | 30000315 | |
| 57,5 | 127 | 30 | 10 | 75 | 2 | FX1150-90 LH | 30000315 | 1150 |
| 57,5 | 127 | 30 | 10 | 75 | 2 | FX1150-90 RH | 30000315 | |
| 64,3 | 141 | 30 | 10 | 75 | 2 | FX1150-90W | 109000315 | |
| 89 | 197 | 30 | 10 | 75 | 2 | FX1150-90W LH | 109000315 | 1150 |
| 89 | 197 | 30 | 10 | 75 | 2 | FX1150-90W RH | 109000315 | |
| 105 | 231 | 30 | 10 | 75 | 2 | FX1450-100 | 80000345 | |
| 108 | 238 | 30 | 10 | 75 | 2 | FX1450-100 LH | 80400345 | 1450 |
| 108 | 238 | 30 | 10 | 75 | 2 | FX1450-100 RH | 80500345 | |
| 105 | 231 | 30 | 10 | 75 | 2 | FX1450-120 | 44000345 | 1450 |
| 133 | 293 | 30 | 10 | 75 | 2 | FX2500-140 | 28000250 | 2500 |
| 160 | 352 | 30 | 10 | 75 | 2 | FX3400 | 14000340 | 3400 |

wear caps



| kg | lb | Part# | QEM | MS |
|----|----|-----------|--------|------|
| 6 | 14 | FX1150 WC | WC1150 | 1150 |
| 15 | 33 | FX1450 WC | WC1450 | 1450 |
| 17 | 37 | FX2500 WC | WC2500 | 2500 |
| 23 | 51 | FX3400 WC | WC1400 | 3400 |

LWS



| kg | lb | Part# | QEM | MS |
|----|----|------------|----------|------|
| 20 | 44 | FX1450 LWS | 809WC145 | 1450 |
| 24 | 53 | FX1520 LWS | 475WC152 | 1520 |
| 25 | 55 | FX2520 LWS | 550WC252 | 2520 |
| 28 | 61 | FX3420 LWS | 550WC342 | 3420 |
| 33 | 73 | FX3420 LWS | 550WC342 | 3420 |

excavator adapters



| kg | lb | CF | CF | CF | CF | Part# | QEM | MS |
|-----|-----|----|----|-----|----|---------------|----------|------|
| 104 | 230 | 30 | 10 | 120 | 2 | FX1520 | 44000152 | 1520 |
| 112 | 248 | 30 | 10 | 120 | 2 | FX1520-100 | 80000152 | |
| 116 | 256 | 30 | 10 | 120 | 2 | FX1520-100 LH | 80000152 | 1520 |
| 116 | 256 | 30 | 10 | 120 | 2 | FX1520-100 RH | 80000152 | |

cast corners



| kg | lb | CF | CF | CF | CF | Part# | QEM | MS |
|-----|-----|----|----|-----|----|------------|------------|------|
| 202 | 445 | 30 | 10 | 120 | 2 | FX1450 CLH | 120KSL40CC | 1450 |
| 202 | 445 | 30 | 10 | 120 | 2 | FX1450 CLH | 120KSL40CC | |
| 208 | 458 | 30 | 10 | 120 | 2 | FX1520 CLH | 475KSL52CL | 1520 |
| 208 | 458 | 30 | 10 | 120 | 2 | FX1520 CLH | 475KSL52CL | |

X2 is a registered trademark of Hensley®. Manufacturer names, descriptions, pictures and part numbers are used for reference purposes only.

UNIVERSAL HAMMERLESS SIDE PIN SOLUTION

100% COMPATIBLE WITH YOUR CATERPILLAR SIDE PIN ADAPTERS



UNIVERSAL SOLUTION

With the design of a quick and easy replacement assembly, FUTURA engineered fastening solutions contribute to reduce machine's downtime. Hammering is also avoided and parts remain perfectly locked in place.

100% Compatible with OEM adapters. The FUTURA HL2 system works only with FUTURA teeth but is fully compatible with Direct Replacement Parts Caterpillar side pin adapters. Dirt plugs are included for each HL2 part number.

HAMMERLESS SOLUTION

The HL2 System is 100% compatible with your current Caterpillar side pin adapter. Increased pin retention: the pins are securely locked in place. Rubber insert under locking tab allows the locking tab (fig. 3) to compress, rotate and lock. Easy to install and remove with a standard re-drive socket or a hex key.

INCREASED SAFETY

Avoiding hammering the HL2 Hammerless system features an increased safety compared to standard side pin & washers.



HL2 HAMMERLESS PIN



| Part | OEM Pn | OEM Models | Size |
|----------|-------------------------------|-------------------------------|------|
| FC200HL2 | 8E-6206, 1U-6206 | 8E-6206, 4F-0001 | 28 |
| FC220HL2 | 132-4772, 6Y-3228 | 8E-6250, 3G-0809 149-5733 | 22 |
| FC250HL2 | 8E-6258, 132-4763 9I-2208 | 8E-6250, 3G-0809 149-5733 | 25 |
| FC300HL2 | 307-3208, 132-4766 9I-2108 | 8E-6250m, 3G-0809 149-5733 | 30 |
| FC350HL2 | 8E-6358, 134-0358 9I-2058 | 8E-6250, 3G-0548 114-0359 | 35 |
| FC400HL2 | 77-3408, 136-7408 | 8E-6400, 136-7400 | 40 |
| FC450HL2 | 8E-6460, 134-0460 | 8E-6460, 307-3460 | 45 |
| FC500HL2 | 6Y-8558, 307-3378 1U-1508 | 8E-5550, 3G-0559 307-8559 | 55 |
| FC600HL2 | 9I-6000, 113-0600 | 9I-6000, 113-0600 | 60 |
| FC700HL2 | 47-4708, 113-4708 | 47-4707, 113-4709 | 70 |
| FC800HL2 | 134-1808, 102-0301 | 101-3874, 134-1809 | 80 |

DRP DIRECT REPLACEMENT PARTS

L LONG



| kg | lb | Part | Cross Ref | Size |
|------|----|---------|-----------|------|
| 1,0 | 4 | FC200 L | 1U-3202 | 20 |
| 2,1 | 5 | FC220 L | 09-3221 | 22 |
| 3,4 | 7 | FC250 L | 1U-3252 | 25 |
| 4,5 | 10 | FC280 L | 1U-3302 | 28 |
| 7,1 | 16 | FC290 L | 1U-3352 | 29 |
| 8,0 | 18 | FC300 L | 77-3402 | 30 |
| 13,3 | 29 | FC350 L | 9W-8452 | 35 |
| 21,3 | 47 | FC380 L | 9W-8552 | 38 |
| 31,0 | 68 | FC400 L | 01-8602 | 40 |

SYL SYMMETRIC



| kg | lb | Part | Cross Ref | Size |
|------|----|-----------|-----------------------|------|
| 2,0 | 4 | FC200 SYL | 1U-3202 SYL | 20 |
| 2,1 | 5 | FC220 SYL | 09-3221 SYL | 22 |
| 4,1 | 9 | FC250 SYL | 1U-3252 SYL | 25 |
| 5,8 | 13 | FC280 SYL | 1U-3302 SYL, 180-6300 | 28 |
| 8,0 | 18 | FC290 SYL | 1U-3352 SYL, 168-6350 | 29 |
| 15,4 | 34 | FC300 SYL | 0E-4402 SYL, 188-1400 | 30 |
| 17,0 | 37 | FC350 SYL | 9W-8452 SYL, 230-0450 | 35 |
| 26,5 | 58 | FC380 SYL | 9W-8552 SYL, 230-0550 | 38 |
| 40,6 | 89 | FC400 SYL | 130-0607 | 40 |

F FLARE



| kg | lb | Part | Cross Ref | Size |
|------|----|---------|-------------------|------|
| 1,5 | 4 | FC200 F | 309-9200 | 20 |
| 3,0 | 7 | FC250 F | 30-8250 | 25 |
| 5,8 | 13 | FC280 F | 4T-1300, 107-3300 | 28 |
| 8,3 | 18 | FC290 F | 81-3350, 107-3350 | 29 |
| 12,8 | 28 | FC300 F | 77-3400, 107-3400 | 30 |
| 18,5 | 41 | FC350 F | 81-3450, 107-3450 | 35 |
| 26,8 | 59 | FC380 F | 71-6850, 107-3850 | 38 |



EXCAVATOR

P PENETRATION



| kg | lb | Part | Cross Ref | Size |
|------|-----|---------|-----------|------|
| 1,4 | 3 | FC200 P | 1U-3209 | 20 |
| 3,2 | 7 | FC250 P | 01-4250 | 25 |
| 4,5 | 10 | FC280 P | 91-6100 | 28 |
| 6,5 | 14 | FC290 P | 91-6150 | 29 |
| 9,7 | 21 | FC300 P | 05-7400 | 30 |
| 13,1 | 29 | FC350 P | 9W-8450 | 35 |
| 18,2 | 40 | FC380 P | 9W-8550 | 38 |
| 27,3 | 60 | FC400 P | 71-7050 | 40 |
| 37,4 | 83 | FC450 P | 4T-4700 | 45 |
| 54,9 | 121 | FC500 P | 117-6000 | 50 |

WTL TWIN TIGER LONG



| kg | lb | Part | Cross Ref | Size |
|------|-----|-----------|-----------------------|------|
| 1,9 | 4 | FC200 WTL | 1U-3202 WTL, 135-8208 | 20 |
| 4,0 | 9 | FC250 WTL | 1U-3252 WTL, 135-8258 | 25 |
| 5,6 | 12 | FC280 WTL | 1U-3302 WTL, 135-0908 | 28 |
| 8,5 | 19 | FC290 WTL | 1U-3352 WTL, 135-0937 | 29 |
| 14,0 | 31 | FC300 WTL | 77-3402 WTL, 135-9408 | 30 |
| 16,1 | 35 | FC350 WTL | 1U-3452 WTL, 138-6458 | 35 |
| 22,6 | 50 | FC380 WTL | 1U-3552 WTL, 138-6558 | 38 |
| 33,9 | 75 | FC400 WTL | 01-8602 WTL, 135-9508 | 40 |
| 54,2 | 119 | FC450 WTL | 4T-4702 WTL | 45 |

TL TIGER LONG



| kg | lb | Part | Cross Ref | Size |
|------|-----|----------|----------------------|------|
| 1,2 | 3 | FC200 TL | 1U-3202 TL, 9W-8200 | 20 |
| 2,0 | 4 | FC250 TL | 1U-3252 TL, 9W-8250 | 25 |
| 3,7 | 8 | FC280 TL | 1U-3302 TL, 9W-8300 | 28 |
| 6,3 | 14 | FC290 TL | 1U-3352 TL, 9W-2950 | 29 |
| 11,0 | 24 | FC300 TL | 77-3402 TL, 05-5400 | 30 |
| 12,9 | 28 | FC350 TL | 1U-3452 TL, 77-8450 | 35 |
| 17,5 | 39 | FC380 TL | 1U-3552 TL, 9W-8550 | 38 |
| 26,3 | 58 | FC400 TL | 01-8602 TL, 107-8600 | 40 |
| 44,0 | 97 | FC450 TL | 4T-4702 TL | 45 |
| 68,5 | 151 | FC500 TL | TS800V | 50 |

RC ROCK CHISEL



| kg | lb | Part | Cross Ref | Size |
|------|-----|----------|----------------------|------|
| 1,3 | 3 | FC200 RC | 1U-3202 RC | 20 |
| 2,8 | 6 | FC220 RC | 1U-3222 RC | 22 |
| 4,0 | 9 | FC250 RC | 1U-3252 RC | 25 |
| 6,0 | 13 | FC280 RC | 1U-3302 RC, 125-4300 | 28 |
| 8,7 | 19 | FC290 RC | 1U-3352 RC, 119-0350 | 29 |
| 13,6 | 29 | FC300 RC | 77-3402 RC, 124-7400 | 30 |
| 19,7 | 43 | FC350 RC | 1U-3452 RC, 116-7450 | 35 |
| 26,0 | 57 | FC380 RC | 1U-3552 RC, 113-0550 | 38 |
| 42,8 | 94 | FC400 RC | 01-8602 RC, 119-0600 | 40 |
| 63,0 | 139 | FC450 RC | 4T-4702 RC | 45 |
| 92,5 | 205 | FC500 RC | - | 50 |

U UNIVERSAL



| kg | lb | Part | Cross Ref | Size |
|------|----|---------|-----------|------|
| 3,0 | 6 | FC250 U | 1U-3252 | 25 |
| 4,2 | 9 | FC280 U | 1U-3302 | 28 |
| 6,3 | 14 | FC350 U | 1U-3352 | 35 |
| 11,0 | 24 | FC450 U | 9W-8452 | 45 |

I IMPACT



| kg | lb | Part | Cross Ref | Size |
|------|----|---------|-------------------|------|
| 5,2 | 11 | FC300 I | 1U-3303 | 30 |
| 7,1 | 16 | FC350 I | 1U-3353 | 35 |
| 14,4 | 32 | FC380 I | 9W-8453 / 1U-3453 | 38 |
| 22,8 | 50 | FC390 I | 9W-8553 / 1U-3553 | 39 |

VTL VECTOR TIGER LONG



| kg | lb | Part | Cross Ref | Size |
|------|-----|-----------|---------------------|------|
| 13,0 | 29 | FC350 VTL | 1U-3452 TL, 77-8450 | 35 |
| 20,5 | 45 | FC380 VTL | 1U-3552 TL, 9W-8250 | 38 |
| 34,0 | 75 | FC400 VTL | 107-9400 | 40 |
| 39,9 | 88 | FC450 VTL | 4T-4702 | 45 |
| 67,5 | 150 | FC500 VTL | - | 50 |

WTS TIGER SHARP



| kg | lb | Part | Cross Ref | Size |
|------|----|-----------|-----------------------|------|
| 1,3 | 3 | FC200 WTS | 1U-3202 WTL, 135-8208 | 20 |
| 5,3 | 12 | FC250 WTS | 1U-3202 WTL, 135-8208 | 25 |
| 8,0 | 18 | FC280 WTS | 1U-3202 WTL, 135-8208 | 28 |
| 12,5 | 28 | FC350 WTS | 1U-3452 WTL, 138-6458 | 35 |

RPL ROCK PENETRATION LIGHT



| kg | lb | Part | Cross Ref | Size |
|------|----|-----------|-----------|------|
| 1,9 | 4 | FC200 RPL | 4T-2200 | 20 |
| 3,9 | 9 | FC250 RPL | 9W-8252 | 25 |
| 6,0 | 14 | FC280 RPL | 9W-8302 | 28 |
| 8,3 | 18 | FC290 RPL | 9W-8352 | 29 |
| 11,5 | 25 | FC300 RPL | 0E-4402 | 30 |
| 17,9 | 39 | FC350 RPL | 9W-8452 | 35 |
| 22,0 | 49 | FC380 RPL | 9W-8552 | 38 |
| 34,0 | 75 | FC400 RPL | 71-7002 | 40 |

RP ROCK PENETRATION



| kg | lb | Part | Cross Ref | Size |
|-------|-----|----------|---------------------|------|
| 5,9 | 13 | FC250 RP | 4T-2253 RP | 25 |
| 8,4 | 18 | FC280 RP | 4T-2303 RP | 28 |
| 11,7 | 26 | FC300 RP | 4T-2353 RP | 30 |
| 16,1 | 35 | FC350 RP | 77-3403 RP | 35 |
| 24,0 | 53 | FC400 RP | 9W-1453 RP | 40 |
| 29,0 | 64 | FC380 RP | 9W-1553 RP, 0Y-2553 | 38 |
| 51,7 | 114 | FC450 RP | 01-8603 RP | 45 |
| 65,2 | 144 | FC500 RP | 4T-4703 RP | 50 |
| 100,3 | 220 | FC600 RP | 01-8803 | 60 |

RPHD ROCK PENETRATION HD



| kg | lb | Part | Cross Ref | Size |
|-------|-----|------------|-----------|------|
| 10,3 | 23 | FC280 RPHD | 135-0420 | 28 |
| 27,0 | 60 | FC350 RPHD | 138-6401 | 35 |
| 33,4 | 74 | FC380 RPHD | 138-6502 | 38 |
| 60,5 | 134 | FC450 RPHD | 135-0600 | 45 |
| 75,4 | 166 | FC500 RPHD | 135-0700 | 50 |
| 120,5 | 266 | FC600 RPHD | 135-0800 | 60 |



LOADER

Other manufacturers' names, descriptions, pictures and part numbers are used for reference purposes only.

DRP DIRECT REPLACEMENT PARTS

DRP

loader adapters

S
LOADER
ADAPTER



| lg | lb | hp | Part# | OBM | WB |
|----|----|----|------------------|----------|----|
| 20 | 44 | | FC680 S | 125-8404 | |
| 19 | 46 | 22 | 1.8" FC680 S LHS | 125-8406 | 48 |
| 19 | 48 | | FC680 S RHS | 125-8405 | |
| 23 | 52 | | FC690 S | 114-0464 | |
| 24 | 58 | 22 | 2" FC690 S LHS | 114-0462 | 45 |
| 24 | 58 | | FC690 S RHS | 114-0463 | |



S
LOADER
ADAPTER



| lg | lb | hp | Part# | OBM | WB | | | |
|-----|-----|----|--------------|----------------------|-----------------|-----------------|-----------|----|
| 40 | 86 | 22 | 2.0" FC550 S | FC550 S LHS | FC550 S RHS | 107-8004 | 55 | |
| 77 | 169 | 22 | 2.5 | 70 1.8" FC680 S | FC680 S LHS | FC680 S RHS | 110-8004 | 68 |
| 78 | 171 | 22 | 2.5 | 75 1.8" FC780 S | FC780 S LHS | FC780 S RHS | 120-0704 | |
| 80 | 176 | 22 | 1.75 | 80 1.5" FC780-80 S | FC780-80 S LHS | FC780-80 S RHS | 123-7400E | 78 |
| 82 | 180 | 22 | 1.75 | 180 1.5" FC780-180 S | FC780-180 S LHS | FC780-180 S RHS | 123-7410 | |
| 124 | 272 | 22 | 2.5 | - 180 1.8" FC980 S | | | 0-8804 | 88 |

WC
OPTIONAL
WEAR CAP



WN



Weld-on Noses are the easiest and quickest way to convert any proprietary adapter into the Futura system.

BO
BOLT-ON
LOADER
ADAPTER



| lg | lb | hp | Part# | OBM | WB |
|----|----|----|------------------|------------|--------------|
| 13 | 28 | 25 | 48 1.6" FC350 BO | YD60 L2200 | Htachi LX250 |

BOC
BOLT-ON
CORNER
ADAPTER



| lg | lb | hp | Part# | OBM | WB |
|----|----|----|---------------------------|------------|--------------|
| 17 | 37 | 25 | 48 1.6" 25 1.6" FC350 BOC | YD60 L2200 | Htachi LX250 |



FUTURA excavator adapter size 55 with two optional wear caps mounted

FUTURA loader adaptersize 55 with six optional wear caps mounted



excavator adapters

X
EXCAVATOR
ADAPTER



| lg | lb | hp | Part# | OBM | WB |
|------|----|----|---------------------|----------|----|
| 3.8 | 4 | 22 | 29 5/8" FC280 | 110-3200 | 28 |
| 3.8 | 7 | 22 | 28 1/2" FC280 | 07-3224 | 22 |
| 4.4 | 10 | 22 | 32 1/2" FC250 | 07-3258 | |
| | | | | 110-3253 | |
| 4.0 | 10 | | FC250-25 | 07-3254 | 25 |
| 4.0 | 8 | 22 | 25 1" FC250-25 LH | | |
| 4.0 | 8 | | FC250-25 RH | | |
| 7.5 | 16 | | FC380 | 20-0204 | |
| 7.2 | 18 | 22 | 28 1/2" FC380 LH | | |
| 7.2 | 18 | | FC380 RH | | |
| 7.7 | 17 | | FC380-35 | 08-0400 | 38 |
| 7.5 | 17 | 22 | 25 1.6" FC380-35 LH | 08-0400 | |
| 7.5 | 17 | | FC380-35 RH | 08-0400 | |
| 10.5 | 38 | 22 | 68 1.6" FC350 | 01-0354 | 35 |
| 10.2 | 30 | | FC350-835 | 20-0304 | |
| 14.4 | 80 | 22 | 45 1.6" FC680 | 01-0404 | 48 |
| 21.4 | 47 | | FC680 | 01-0404 | |
| 21.2 | 47 | | FC680 LH | 01-0400 | |
| 21.2 | 47 | 22 | 58 1" FC680 RH | 01-0400 | |
| 22.5 | 50 | | FC680 LHS | | |
| 22.5 | 50 | | FC680 RHS | | 45 |
| 24.0 | 75 | | FC680-83 | | |
| 31.2 | 68 | 22 | 63 1.8" FC680-83 LH | | |
| 31.2 | 68 | | FC680-83 RH | | |

X
EXCAVATOR
ADAPTER



| lg | lb | hp | Part# | OBM | WB |
|-------|-----|----|---------------------|----------|----|
| 24.0 | 76 | | FC550 | 01-0554 | |
| 22.0 | 72 | | FC550 LH | 01-0550 | |
| 22.0 | 72 | 22 | 68 1.6" FC550 RH | 01-0555 | 55 |
| 25.4 | 78 | | FC550 LHS | 105-6270 | |
| 25.4 | 78 | | FC550 RHS | 105-6270 | |
| 60.0 | 154 | | FC880 | 01-0804 | |
| 56.0 | 159 | | FC880 LH | 01-0800 | |
| 56.0 | 125 | 22 | 78 1.6" FC880 RH | 01-0805 | |
| 62.4 | 137 | | FC880 LHS | | |
| 62.4 | 137 | | FC880 RHS | | |
| 80.0 | 189 | | FC880-88 | 113-9004 | |
| 56.0 | 124 | 22 | 88 1.6" FC880-88 LH | 113-9000 | |
| 56.0 | 124 | | FC880-88 RH | 113-9000 | |
| 83.1 | 188 | | FC780 | 222-7700 | |
| 81.8 | 180 | | FC780 LH | | |
| 81.8 | 180 | 25 | 88 1.6" FC780 RH | | |
| 89.5 | 187 | | FC780 LHS | | |
| 89.5 | 187 | | FC780 RHS | | |
| 87.1 | 180 | | FC780-75 | | |
| 82.4 | 181 | 25 | 95 1.8" FC780-75 LH | | |
| 82.4 | 181 | | FC780-75 RH | | |
| 122.0 | 268 | | FC880 | 01-8804 | |
| 117.0 | 268 | 30 | 198 1.6" FC880 LH | | 88 |
| 117.0 | 268 | | FC880 RH | | |

WC
OPTIONAL
WEAR CAP



BL
BOTTOM-LEG
ADAPTER



| lg | lb | hp | Part# | OBM | WB |
|------|-----|----|---------------------|---------|----|
| 1.7 | 4.7 | 25 | 18-25 1.0" FC200 BL | 04-7000 | 20 |
| 4.8 | 18 | 22 | 25 1" FC250 BL | 04-0900 | 25 |
| 7.6 | 18 | 22 | 30 1.5" FC300 BL | 04-0900 | 30 |
| 10.5 | 18 | 27 | 35 1.6" FC350 BL | 10-1300 | 35 |



DRP DIRECT REPLACEMENT PARTS

L LONG



| kg | lb | Part# | Cross Ref. | Size |
|-----|----|--------|------------|------|
| 1,5 | 3 | FC23 L | 4E-0235 | 28 |
| 1,9 | 4 | FC34 L | 4E-0034 | 25 |

F FLUSH MOUNT ADAPTER



| kg | lb | Part# | Cross Ref. | Size | |
|-----|----|-------|------------|----------|--------|
| 2,5 | 5 | 25F | 83-20 | 0,5"0,8" | FC23 F |

R EXCAV. ADAPTER



| kg | lb | Part# | Cross Ref. | Size | |
|-----|----|-------|------------|----------|--------|
| 2,7 | 6 | 25R | 83-20 | 0,5"0,8" | FC23 R |

DIRECT REPLACEMENT PARTS FOR **CATERPILLAR**

SS SCARIFIER SHANK



| kg | lb | Part# | Cross Ref. |
|-----|----|---------|------------|
| 5,4 | 11 | FC19 SS | 2F-5124 |

ST SCARIFIER TIP

| kg | lb | Part# | Cross Ref. |
|-----|----|---------|--------------------|
| 1,5 | 3 | FC19 TS | 6Y-6230 2D-5572 |

| kg | lb | Part# | Cross Ref. |
|-----|----|-------------|--------------------|
| 1,5 | 3 | FC19 TS-ARM | 6Y-6230 2D-5572 |

FC109 LIP PROTECTOR



| kg | lb | Part# | CRM | Part# | | |
|-----|-----|----------|----------|----------|----------|------|
| 52 | 113 | 109-9062 | 109-9080 | 109-9081 | 989 | |
| 54 | 118 | 45 | 1,0" | 109-9061 | 109-9081 | 989F |
| 54 | 118 | | | 109-9062 | 109-9082 | 989G |
| 155 | 341 | | | 109-9080 | 109-9080 | |
| 155 | 345 | 300 | 1,0" | 109-9081 | 109-9081 | 994 |
| 155 | 341 | | | 109-9082 | 109-9082 | |



FC6Y MONOBLOCK TOOTH



| kg | lb | Part# | CRM |
|-----|-----|-------|----------------------|
| 3,6 | 7,9 | 0,7" | FC6Y-6335 PW-1879 |

L LONG



| kg | lb | Part# | Cross Ref. | Size |
|------|----|-----------|--------------|------|
| 36,5 | 80 | FK688 RPL | 425-647-1110 | 688 |

P PENETRATION



| kg | lb | Part# | Cross Ref. | Size |
|------|----|-----------|--------------|------|
| 36,5 | 80 | FK688 RPL | 425-647-1110 | 688 |

TVC VECTOR



| kg | lb | Part# | Cross Ref. | Size |
|------|----|-----------|--------------|------|
| 16,5 | 36 | FK689 RPL | 425-647-1110 | 689 |

DIRECT REPLACEMENT PARTS FOR **ESCO**

S STANDARD



| kg | lb | Part# | Cross Ref. | Size |
|-----|----|--------|------------|------|
| 2,4 | 5 | FK25 S | 25S | 25 |
| 2,9 | 6 | FK30 S | 30S | 30 |
| 4,7 | 10 | FK35 S | 35S | 35 |
| 6,9 | 15 | FK40 S | 40S | 40 |

R EXCAV. ADAPTER



| kg | lb | Part# | Cross Ref. | Size | | |
|-----|----|-------|------------|--------|--------|----|
| 1,8 | 4 | 25 R | 0,8" | FK25 R | 503-15 | 18 |
| 3,7 | 8 | 25 R | 1,0" | FK25 R | 355-25 | 25 |

S STANDARD



| kg | lb | Part# | Cross Ref. | Size |
|------|----|--------|--------------------|------|
| 27,9 | 61 | FK50 S | 65-R, 65-F1, 65-LP | 68 |
| 35,7 | 79 | FK70 S | 75-R, 75-F1, 75-LP | 76 |

R ROCK EXPLODER



| kg | lb | Part# | Cross Ref. | Size |
|------|-----|--------|------------|------|
| 60,0 | 132 | FK88 R | 88-R | 88 |

S STANDARD



| kg | lb | Part# | Cross Ref. | Size |
|------|----|---------|--------------|------|
| 5,1 | 11 | FK280 S | 209-70-10570 | 280 |
| 7,9 | 17 | FK300 S | 207-70-14151 | 300 |
| 11,6 | 26 | FK400 S | 209-70-14152 | 400 |

TL TIGER LONG



| kg | lb | Part# | Cross Ref. | Size |
|------|----|----------|--------------|------|
| 5,1 | 11 | FK280 TL | 209-70-14000 | 280 |
| 7,7 | 17 | FK300 TL | 209-70-14070 | 300 |
| 11,4 | 25 | FK400 TL | 209-70-14340 | 400 |

RPL ROCK PENETRATION LIGHT



| kg | lb | Part# | Cross Ref. | Size |
|------|----|-----------|--------------|------|
| 16,5 | 36 | FK689 RPL | 425-647-1110 | 689 |

DIRECT REPLACEMENT PARTS FOR **KOMATSU**

I IMPACT



| kg | lb | Part# | Cross Ref. | Size |
|------|----|---------|--------------|------|
| 5,6 | 12 | FK200 I | | 200 |
| 8,5 | 19 | FK300 I | 207-70-14070 | 300 |
| 12,0 | 26 | FK400 I | | 400 |

B90



| kg | lb | Part# | Cross Ref. | Size | | |
|------|----|-------|------------|-----------|--------------|-----|
| 30,2 | 67 | 12 | 40 | FK300-B90 | 207-692-1190 | 300 |
| 15,2 | 34 | 12 | 3,0" | FK300-B90 | 207-692-1120 | 300 |

RC ROCK CHISEL



| kg | lb | Part# | Cross Ref. | Size |
|------|-----|-----------|---------------|------|
| 7,0 | 15 | FK280 RC | 209-70-10570 | 280 |
| 10,3 | 23 | FK300 RC | 207-70-14151 | 300 |
| 15,5 | 34 | FK400 RC | 209-70-14152 | 400 |
| 35,1 | 77 | FK750 RC | 209-70-14153 | 650 |
| | | | 209-70-14170 | 750 |
| 54,9 | 121 | FK1100 RC | 209-70-14170 | 1100 |
| | | | 2114-72-14020 | 1100 |

DRP DIRECT REPLACEMENT PARTS

S
STANDARD



| Kg | Lb | Part# | Comp Ref | Size |
|------|----|--------|-----------------|------|
| 3,5 | 8 | FP22 S | 72185119, FM22S | 22 |
| 7,0 | 15 | FP24 S | 72185132, FM24S | 24 |
| 10,0 | 22 | FP26 S | 72185134, FM26S | 26 |
| 16,0 | 35 | FP28 S | 71489101, FM28S | 28 |
| 24,2 | 53 | FP32 S | FM32S | 32 |

RC
ROCK
CHISEL



| Kg | Lb | Part# | Comp Ref | Size |
|------|----|---------|-----------------|------|
| 3,8 | 8 | FP22 RC | MF22R | 22 |
| 6,6 | 15 | FP24 RC | 72185133, MF24R | 24 |
| 10,2 | 22 | FP26 RC | 72185135, MF26R | 26 |
| 15,3 | 34 | FP28 RC | 72185131, MF28R | 28 |

DIRECT
REPLACEMENT
PARTS FOR
**FIAT
HITACHI**

T7-7
MINI
EXCAVATOR
TOOTH



| Kg | Lb | Part# | Comp Ref | Size | | |
|------|------|-------|----------|-------|---------|----|
| 0,65 | 1,43 | 16 | 0,8" | FT7-7 | 2130/76 | 16 |

DIRECT
REPLACEMENT
PARTS FOR
**MINI
EXCAVATOR**

SB
STANDARD



| Kg | Lb | Part# | Comp Ref |
|------|------|--------|----------|
| 0,90 | 1,99 | FSK35B | SKC3-G |

ST
SHARP



| Kg | Lb | Part# | Comp Ref |
|------|------|--------|----------|
| 0,96 | 2,11 | FSK35T | SKC3-TT |

W
TWIN
TIGER



| Kg | Lb | Part# | Comp Ref |
|------|------|--------|----------|
| 0,86 | 1,89 | FSK35W | SKC3-TT |

DIRECT
REPLACEMENT
PARTS FOR
KEECH

ST FLUSH MOUNT
ADAPTER

| Kg | Lb | Part# | Comp Ref | | |
|-----|------|----------|--------------|--------|-----------|
| 1,1 | 2,30 | 15 20 | 0,5- 0,8" | FSK35M | SKC3-FMAD |

2BM
BOLT-ON
TOOTH

| Kg | Lb | Part# | ODM | SIZE |
|-----|-------|----------|--------|------|
| 9,3 | 20,4 | PVK2BM27 | 131202 | M27 |
| 22 | 49,1 | PVK2BM36 | 131203 | M36 |
| 58 | 128,6 | PVK2BM48 | 131206 | M48 |



BK METRIC
BOLT



| Kg | Lb | Ø | h | l | in | Part# | ODM | SIZE |
|------|----|------|-------|-----|-------|----------|---------|------|
| 5,6 | 12 | 20 | 0,79" | 50 | 1,97" | BK-20050 | 35068 | M20 |
| 7,8 | 17 | 27,8 | 1,09" | 60 | 2,36" | BK-27060 | 35068 | M27 |
| 9,7 | 21 | 36,6 | 1,44" | 77 | 3,03" | BK-36077 | 035073H | M36 |
| 12,1 | 27 | 48,9 | 1,93" | 100 | 3,94" | BK-48100 | 138829H | M48 |
| 17,9 | 40 | 60 | 2,36" | 101 | 3,98" | BK-60101 | | M60 |
| | | 60 | 2,36" | 130 | 5,12" | BK-60130 | | M60 |



DRP DIRECT REPLACEMENT PARTS

DIRECT REPLACEMENT PARTS FOR **ADCO**

RH RIGHT HAND ADAPTER



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|----------|-----------|------|
| 2,2 | 7 | FA130 RH | 130RH | 300 |
| 5,8 | 18 | FA330 RH | 330RH | 500 |

C CENTRAL ADAPTER



| Fig | Us | Part# | Cross Ref | Size |
|------|----|-------|-----------|------|
| 4,7 | 10 | FA110 | 110 | 300 |
| 10,5 | 48 | FA310 | 310 | 500 |

LH LEFT HAND ADAPTER



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|----------|-----------|------|
| 2,2 | 7 | FA130 LH | 130LH | 300 |
| 5,8 | 18 | FA330 LH | 330LH | 500 |



| Fig | Us | Part# | Cross Ref | Size |
|------|----|----------|-----------|------|
| 12,8 | 38 | FA430 RH | 430RH | 600 |



| Fig | Us | Part# | Cross Ref | Size |
|------|----|-------|-----------|------|
| 21,1 | 48 | FA430 | 410 | 600 |



| Fig | Us | Part# | Cross Ref | Size |
|------|----|----------|-----------|------|
| 12,8 | 38 | FA430 LH | 430LH | 600 |

RH RIGHT HAND TOOTH



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|----------|-----------|------|
| 1,5 | 3 | FA180 RH | 180RH | 180 |
| 4,2 | 9 | FA380 RH | 380RH | 380 |

C CENTRAL TOOTH



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|---------|-----------|------|
| 1,5 | 3 | FA180 C | 180C | 180 |
| 5,0 | 11 | FA380 C | 380C | 380 |

LH LEFT HAND TOOTH



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|----------|-----------|------|
| 1,5 | 3 | FA180 LH | 180LH | 180 |
| 4,2 | 9 | FA380 LH | 380LH | 380 |



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|----------|-----------|------|
| 1,5 | 3 | FA180 RH | 180RH | 180 |



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|---------|-----------|------|
| 1,5 | 3 | FA180 C | 180C | 180 |



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|----------|-----------|------|
| 1,5 | 3 | FA180 LH | 180LH | 180 |

L LONG



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|---------|---------------|------|
| 1,2 | 3 | FR230 L | 23-H/L, 230-S | 23 |

SYL SYMMETRIC



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|-----------|---------------|------|
| 1,7 | 4 | FR230 SYL | 23-H/L, 230-S | 23 |

TL TIGER LONG



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|----------|-----------|------|
| 1,3 | 3 | FR230 TL | 23-TL | 23 |

DIRECT REPLACEMENT PARTS FOR **H&L**

WTS TIGER SHARP



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|-----------|-----------|------|
| 1,4 | 3 | FR230 WTS | 23-WTL | 23 |

WTL TIGER LONG



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|-----------|-----------|------|
| 1,7 | 4 | FR230 WTL | 23-WTL | 23 |

230 ADAPTER



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|---------|---------------|------|
| 1,0 | 4 | 25 1,0" | FR230 2740-23 | 23 |

230 R ADAPTER



| Fig | Us | Part# | Cross Ref | Size |
|-----|----|---------|----------------|------|
| 2,2 | 5 | 25 1,0" | FR230 R 834-23 | 23 |

Other manufacturers' names, descriptions, pictures and part numbers are used for reference purposes only.

RC
ROCK CHISEL



| Kg | Lb | Part# | Cross Ref | Size |
|------|----|------------|-----------|------|
| 7,3 | 16 | FT0210 RC | TB00705PC | 21 |
| 21,2 | 47 | FT0650 RC | TD09400 | 65 |
| 40,2 | 89 | FT01200 RC | TD08412 | 120 |

RE
ROCK EXPLODER



| Kg | Lb | Part# | Cross Ref | Size |
|------|----|-----------|-----------|------|
| 10,3 | 23 | FT0210 RE | TB00705 | 21 |
| 12,8 | 28 | FT0350 RE | TB00822 | 35 |

PNHL
HAMMER-
LESS
PIN



| Length | Pin | W | Kg | Lb | Part# | Size |
|--------|-----|------|-----|-----|--------------|------|
| 180 | 7,1 | 35,9 | 1,5 | 3,3 | FT01200 PNHL | 120 |

DIRECT
REPLACEMENT
PARTS FOR
**TATA
HITACHI**

I
IMPACT



| Kg | Lb | Part# | Cross Ref | Size |
|------|----|----------|-----------|------|
| 10,2 | 23 | FT0370 I | TB06403 | 37 |

S
SYMMETRIC

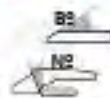


| Kg | Lb | Part# | Cross Ref | Size |
|------|----|----------|-----------|------|
| 10,5 | 23 | FT0370 S | TB06403 | 37 |

X
ADAPTER



| Kg | Lb | H | W | Part# | Cross Ref | Size |
|--------|----|------|----|-------|------------|------------|
| 14,632 | 32 | 10 | 40 | 1,6" | FT0200-000 | TB00705 21 |
| 26,256 | 58 | 13,2 | 60 | 2,4" | FT0300-000 | TB00822 35 |
| 23,652 | 52 | 13 | 60 | 0,0" | FT0370 | TB06402 37 |



I
IMPACT



| Kg | Lb | Part# | Cross Ref | Machine | Size |
|------|----|---------|------------|---------|------|
| 13,4 | 29 | FW360 I | 1171-01010 | EC360R | 360 |
| 25,5 | 56 | FW660 I | 14632340 | EC460R | 460 |

SYL
SYMMETRIC



| Kg | Lb | Part# | Cross Ref | Machine | Size |
|----|----|-----------|-------------------|---------|------|
| 10 | 22 | FW660 SYL | K755 G14552240 | EC460R | 460 |

RC
ROCK
CHISEL



| Kg | Lb | Part# | Cross Ref | Machine | Size |
|------|----|----------|-----------|---------|------|
| 25,9 | 57 | FW700 RC | 146205111 | EC700R | 700 |

X
ADAPTER



| Kg | Lb | Part# | Cross Ref | Machine | Size |
|------|----|---------|-----------|---------|------|
| 43,9 | 97 | FW700 X | 143205101 | EC700R | 700 |

DIRECT
REPLACEMENT
PARTS FOR
VOLVO

P
PENETRATION



| Kg | Lb | Part# | Cross Ref |
|-----|----|---------|----------------|
| 6,1 | 14 | FW260 P | YH618010060001 |

SYL
SYMMETRIC



| Kg | Lb | Part# | Cross Ref | Size |
|------|----|-----------|------------------|-------|
| 6,1 | 14 | FW210 SYL | YH618000080001-L | SK210 |
| 12,3 | 27 | FW250 SYL | U250000010151-L | SK250 |

X
ADAPTER



| Kg | Lb | H | W | Part# | Cross Ref | Size |
|--------|----|----|----|-------|----------------------|-------|
| 14,732 | 33 | 12 | 40 | 1,6" | FW210 YH61801020P1-L | SK210 |
| 16,741 | 37 | 12 | 50 | 2,0" | FW250 YH61801001P1-L | SK250 |

DIRECT
REPLACEMENT
PARTS FOR
KOBELCO



302
BOLT-ON
CORNER



202
BOLT-ON
TOOTH



303
BOLT-ON
CORNER



| Kg | Lb | H | Part# | Cross Ref | |
|-----|----|----|-------|-----------|-----------|
| 5,9 | 13 | 20 | 0,6" | PC5420002 | BU0630302 |

| Kg | Lb | H | Part# | Cross Ref | | |
|-----|----|------|-------|-----------|-----------|-----------|
| 2,8 | 6 | 23,5 | 20 | 0,6" | PC5420020 | BU0420020 |

| Kg | Lb | H | Part# | Cross Ref | | |
|-----|----|------|-------|-----------|-----------|-----------|
| 5,9 | 13 | 23,5 | 20 | 0,6" | PC5420003 | BU0630303 |

DIRECT
REPLACEMENT
PARTS FOR
**CASE
580
770**

WILL FIT KOMATSU K SYSTEM PARTS

EXCAVATOR

SYL



| Kg | Lb | Part# | OEM | SIZE |
|------|----|------------|--------|------|
| 3,8 | 8 | FKM150 SYL | K15SYL | 15 |
| 5,9 | 13 | FKM200 SYL | K20SYL | 20 |
| 8,4 | 18 | FKM250 SYL | K25SYL | 25 |
| 11,7 | 26 | FKM300 SYL | K30SYL | 30 |
| 13,7 | 30 | FKM400 SYL | K40SYL | 40 |
| 19,4 | 43 | FKM500 SYL | K50SYL | 50 |

F



| Kg | Lb | Part# | OEM | SIZE |
|------|----|----------|------|------|
| 4,7 | 10 | FKM150 F | K15F | 15 |
| 7 | 15 | FKM200 F | K20F | 20 |
| 10,3 | 22 | FKM250 F | K25F | 25 |
| 16,2 | 35 | FKM300 F | K30F | 30 |
| 17,5 | 39 | FKM400 F | K40F | 40 |
| 25,9 | 57 | FKM500 F | K50F | 50 |

RC



| Kg | Lb | Part# | OEM | SIZE |
|------|----|-----------|-------|------|
| 3,8 | 8 | FKM150 RC | K15RC | 15 |
| 5,6 | 12 | FKM200 RC | K20RC | 20 |
| 8,2 | 18 | FKM250 RC | K25RC | 25 |
| 11,4 | 25 | FKM300 RC | K30RC | 30 |
| 14 | 31 | FKM400 RC | K40RC | 40 |
| 19,2 | 42 | FKM500 RC | K50RC | 50 |

WILL FIT PARTS FOR
KOMATSU
K SYSTEM

PN



| Kg | Lb | Part# | OEM | SIZE |
|------|------|-----------|--------|------|
| 0,23 | 0,51 | FKM150 PN | KP15PC | 15 |
| 0,29 | 0,64 | FKM200 PN | KP20PC | 20 |
| 0,46 | 1,01 | FKM250 PN | KP25PC | 25 |
| 0,69 | 1,52 | FKM300 PN | KP30PC | 30 |
| 0,75 | 1,65 | FKM400 PN | KP40PC | 40 |
| 1,05 | 2,31 | FKM500 PN | KP50PC | 50 |

WT



| Kg | Lb | Part# | OEM | SIZE |
|------|----|-----------|-------|------|
| 5,6 | 12 | FKM200 WT | K20WT | 20 |
| 7,8 | 17 | FKM250 WT | K25WT | 25 |
| 9,7 | 21 | FKM300 WT | K30WT | 30 |
| 12,1 | 27 | FKM400 WT | K40WT | 40 |
| 17,9 | 40 | FKM500 WT | K50WT | 50 |

T



| Kg | Lb | Part# | OEM | SIZE |
|------|-----|----------|------|------|
| 3,5 | 7,7 | FKM150 T | K15T | 15 |
| 5,2 | 11 | FKM200 T | K20T | 20 |
| 7,4 | 16 | FKM250 T | K25T | 25 |
| 10,3 | 23 | FKM300 T | K30T | 30 |
| 12,2 | 27 | FKM400 T | K40T | 40 |
| 16,7 | 37 | FKM500 T | K50T | 50 |

RPHD



LOADER

| Kg | Lb | Part# | OEM | SIZE |
|------|------|-------------|--------|------|
| 8,9 | 19,6 | FKM200 RPHD | K20RP2 | 20 |
| 13 | 28,6 | FKM250 RPHD | K25RP2 | 25 |
| 17 | 37 | FKM300 RPHD | K30RP2 | 30 |
| 28,5 | 62,8 | FKM500 RPHD | K50RP2 | 50 |

SANDWICH
PIN 15 TO 50



RPHD



| Kg | Lb | Part# | OEM | SIZE |
|----|------|-------------|--------|------|
| 36 | 79,4 | FKM700 RPHD | K70RP2 | 70 |
| 54 | 119 | FKM850 RPHD | K85RP3 | 85 |



RC



| Kg | Lb | Part# | OEM | SIZE |
|----|----|-----------|-------|------|
| 24 | 53 | FKM700 RC | K70RC | 70 |
| 28 | 62 | FKM850 RC | K85RC | 85 |



SYL



| Kg | Lb | Part# | OEM | SIZE |
|------|----|------------|---------|------|
| 24,6 | 54 | FKM700 SYL | K70TSYL | 70 |
| 29 | 64 | FKM850 SYL | K85SYL | 85 |



TL



| Kg | Lb | Part# | OEM | SIZE |
|----|----|-----------|------|------|
| 26 | 57 | FKM850 TL | K85T | 85 |



EXCAVATOR
ADAPTER



| Kg | Lb | + | N | B | Part# | OEM | SIZE | |
|------|-----|----|----|-----|-------|-----------|----------|----|
| 48,7 | 107 | 75 | 3" | 10° | 30° | FKM850-75 | KJ070M85 | 85 |

PN

| Kg | Lb | Part# | OEM | SIZE |
|-----|-----|-----------|--------|------|
| 1,7 | 3,8 | FKM700 PN | KP70PC | 70 |
| 2 | 4,4 | FKM850 PN | KP85X | 85 |



HAMMERLESS PIN
75 - 85



DRP DIRECT REPLACEMENT PARTS

X156
STANDARD



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|---------|------------|------|
| 0,9 | 2 | FP156 X | X156 | 156 |

F156
FLARE



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|---------|------------|------|
| 1,5 | 6 | FP156 F | X156 F | 156 |

T156
TIGER



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|---------|------------|------|
| 0,8 | 2 | FP156 T | T156 | 156 |

DIRECT REPLACEMENT PARTS FOR
HENSLEY PARABOLICS

WT156
TWIN TIGER



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|----------|------------|------|
| 1,2 | 6 | FP156 WT | X156 WT | 156 |

WN156
WELD-ON NOSE



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|--------|------------|------|
| 1,6 | 6,0 | X156WN | X156 WN | 156 |

R156
ADAPTER



SYL
SYMMETRIC



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|-----------|------------|------|
| 4,6 | 11 | FP280 SYL | X280 SYL | 280 |
| 7,4 | 18 | FP380 SYL | X380 SYL | 380 |

RP2
ROCK PENETRATION



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|-----------|------------|------|
| 22,6 | 90 | FP450 RP2 | X450RP | 450 |
| 30,6 | 74 | FP500 RP2 | X500RP2 | 500 |

X
STANDARD



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|---------|------------|------|
| 0,7 | 10 | FP200 X | X200 | 200 |
| 4,0 | 8 | FP310 X | X310 | 310 |
| 8,5 | 19 | FP320 X | X320 | 320 |
| 11,8 | 26 | FP370 X | X370 | 370 |
| 11,1 | 26 | FP400 X | X400 | 400 |
| 16,2 | 36 | FP410 X | X410 | 410 |
| 22,9 | 90 | FP450 X | X450 | 450 |
| 21,5 | 47 | FP475 X | X475 | 475 |
| 20,9 | 36 | FP500 X | X500 | 500 |

T
TIGER



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|---------|------------|------|
| 4,1 | 8 | FP200 T | T200 | 200 |
| 6,1 | 10 | FP310 T | T310 | 310 |
| 8,7 | 10 | FP370 T | T370 | 370 |
| 6,1 | 14 | FP400 T | T400 | 400 |
| 11,8 | 26 | FP410 T | T410 | 410 |
| 16,5 | 36 | FP450 T | T450 | 450 |
| 20,7 | 46 | FP500 T | T500 | 500 |

WT
TWIN TIGER



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|----------|------------|------|
| 5,3 | 10 | FP200 WT | X200 WT | 200 |
| 5,5 | 10 | FP310 WT | X310 WT | 310 |
| 7,6 | 17 | FP320 WT | X320 WT | 320 |
| 10,6 | 20 | FP370 WT | X370 WT | 370 |
| 10,2 | 20 | FP400 WT | X400 WT | 400 |
| 14,9 | 36 | FP410 WT | X410 WT | 410 |
| 20,3 | 45 | FP450 WT | X450 WT | 450 |
| 19,3 | 45 | FP475 WT | X475 WT | 475 |
| 24,6 | 54 | FP500 WT | X500 WT | 500 |

R
ADAPTER



| Fig. | U.S. | Part# | CEM. | SIZE |
|------|---------------|-------------|----------|------|
| 6,2 | 14 15 30 1/2" | FP109X220 R | 109X220 | 220 |
| 10,3 | 12 30 1/2" | FP127X290 R | 127X290 | 290 |
| 11,0 | 12 38 1/2" | FP158X290 R | 158X290 | 290 |
| 16,1 | 16 15 38 1/2" | FP158X330 R | R158X330 | 330 |
| 18,2 | 17 45 1/2" | FP937X370 R | R937X370 | 370 |
| 17,6 | 17 50 1/2" | FP940X370 R | R940X370 | 370 |
| 21,8 | 17 50 1/2" | FP940X410 R | R940X410 | 410 |

RP
ROCK PENETRATION



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|---------|------------|------|
| 12,3 | 27 | FP33 RP | T733 L | 33 |

RPL
ROCK PENETRATION LIGHT



| Fig. | U.S. | Part# | Cross Ref. | Size |
|------|------|----------|------------|------|
| 8,5 | 19 | FP33 RPL | T7030 AP | 33 |

T55 END EDGE PROTECTOR



| Fig. | U.S. | Part# | CEM. | Mach. |
|------|----------|---------|---------|-------|
| 39 | 87 20 0P | T196455 | T196455 | 844 J |

T26 CENTRAL EDGE PROTECTOR



| Fig. | U.S. | Part# | CEM. | Mach. |
|------|-----------|---------|---------|-------|
| 130 | 286 20 0P | T198126 | T198126 | 844 J |

PHL HAMMERLESS PIN

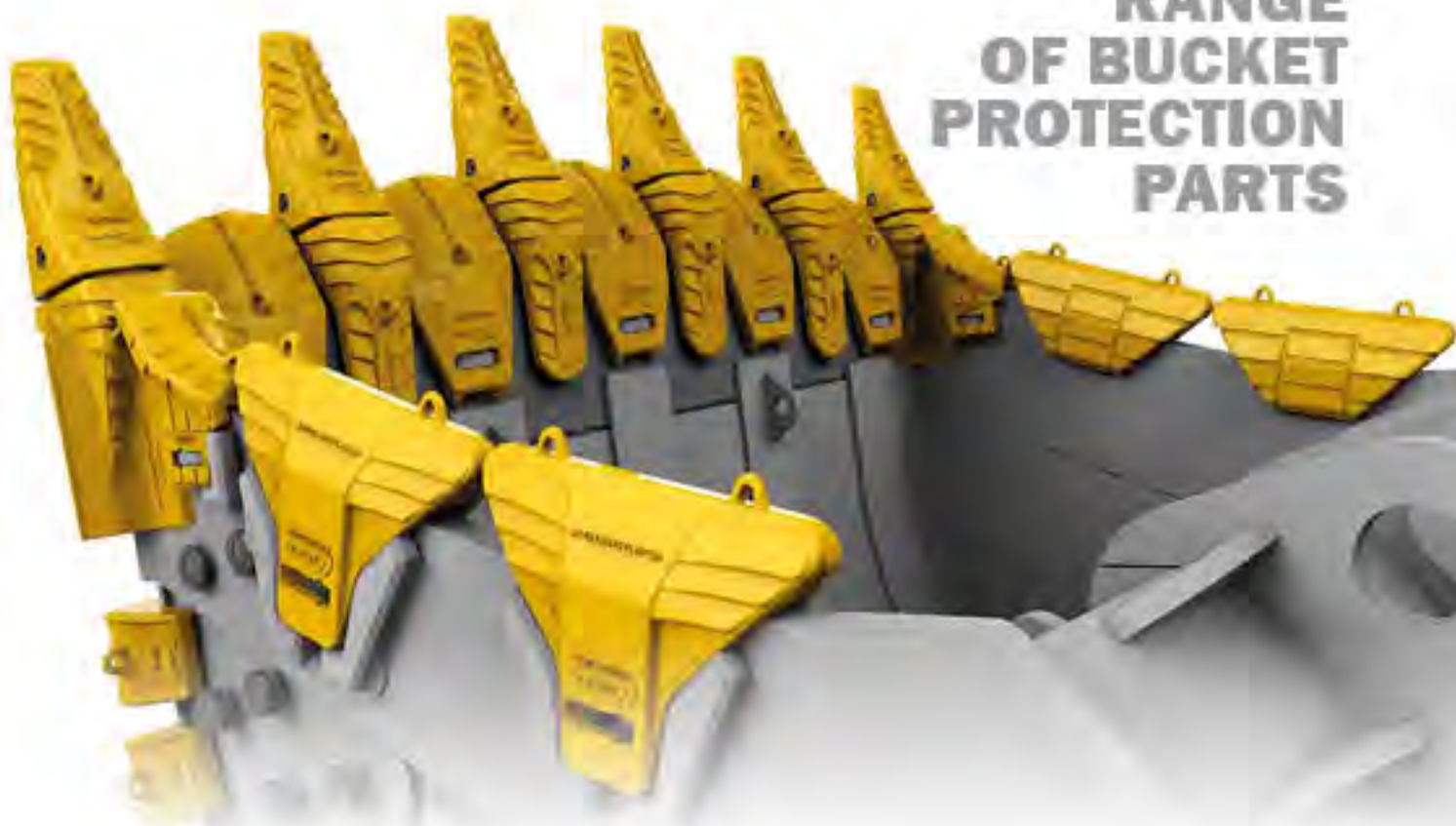


| U.S. | Fig. | Part# | Size |
|------|---------------------|----------|------|
| 105 | 41 14,2 0,6 0,3 0,6 | FP33 PHL | 33 |

DIRECT REPLACEMENT PARTS FOR
JOHN DEERE



COMPLETE RANGE OF BUCKET PROTECTION PARTS



QUICK GUIDE

| TONS | mm | DRP SIDE PIN 22° | TWISTER / MINER 30° | WEAR BOTTOM | CHOCKY BAR | ROLL BAR | WEAR RAILS | WEAR RUNNERS | M. HILL SHOULDER | WELD-ON FELLS. S. CUTTER | WELD-ON S. CUTTER | MACH. S. CUTTER | | |
|------|----------|------------------|---------------------|-------------|------------|----------|------------|--------------|------------------|--------------------------|-------------------|-----------------|---------|----------|
| 15 | 30 1.2' | FC300 | FT290 | | | | | | | F10 HS | F150 WS | | | |
| 22 | 35 1.4' | FC300-35 | FT290-35 | | | | | | | | | | | |
| 20 | 40 1.6' | FC350 | FT290-40 | | | | | | | | | | | |
| 25 | 45 1.8' | FC400 | FT330 | | | | | | | | | | | |
| 24 | 50 2.0' | FC450 | FT430 | | | | | | | FWR01C | F12 HS | F200 WS | | |
| 40 | 60 2.4' | FC550 | FT510 | | | | | | | FWR02C | FWR314C | F24 HS | F280 WS | F3050 SC |
| 53 | 70 2.8' | FC600 | FT590 | | | | | | | FWR01B | FWR313C | F24 HS | F280 WS | F3050 SC |
| 68 | 75 3' | FC600 | FT590 | | | | | | | FWR19C | FWR313C | F24 HS | | F6080 SC |
| 80 | 81" | | FT610 | | | | | | | | | | | |
| 70 | 90 3.5' | FC700 | FT690 | | | | | | | | | | | |
| 110 | 95 3.7' | F90LS | FT690 | | | | | | | | | | | |
| 150 | 100 3.9' | FC800 | FT710-100 | | | | | | | | | | | |
| 180 | 120 4.7' | | FT810 | | | | | | | | | | | |
| 200 | | | F120 LS | | | | | | | | | | | |
| 250 | 140 5.5' | | FT810-140 | | | | | | | | | | | |
| 350 | 160 6.3' | | FM950 | | | | | | | | | | | |
| 500 | 230 9' | | FM1300 | | | | | | | | | | | |
| 700 | 245 9.6' | | FM1450 | | | | | | | | | | | |

excavator lip shrouds



| + | B ² | Kg | Lb | S ² | LEFT | | CENTER | | RIGHT | | Base Pin | | | | | | |
|-----|----------------|-----|-----|----------------|------------------|----------------|----------------|----------------|-------------|---------------|---|------------------|---------------|---------------|----------------|----------------|------------|
| | | | | | Cross Ref | Kg | Lb | Cross Ref | Kg | Lb | | S ² | Cross Ref | | | | |
| 70 | 2,8' | 30 | 40 | 88 | 14 | F70X240 LSLH | TAC70X240-2L | 35 | 77 | F70X240 LS | TAC70X240-1B | 40 | 88 | 14 | F70X240 LSRH | TAC70X240-2R | FAB FAP |
| | | 45 | 98 | 22 | F90X245 LSLH | TAC90X245-2LA | 45 | 98 | F90X245 LS | TAC90X245-1A | 45 | 98 | 22 | F90X245 LSRH | TAC90X245-2RA | | |
| | | 79 | 175 | 14 | F90X320 LSLH | TAC90X320-6L | 76 | 167 | F90X320 LS | TAC90X320-5 | 79 | 175 | 14 | F90X320 LSRH | TAC90X320-6R | | |
| 90 | 3,3' | 30 | 85 | 187 | 14 | F90X360 LSLH | TAC90X360-2L | | | 85 | 187 | 14 | F90X360 LSRH | TAC90X360-2R | FAB FAP | | |
| | | 88 | 194 | 14 | F90X390 LSLH | TAC90X390-1L | | | 88 | 194 | 14 | F90X390 LSRH | TAC90X390-1R | | | | |
| | | 85 | 187 | 22 | F100X290 LSLH | TBC100X290-4L | 85 | 188 | F100X290 LS | TBC100X290-3 | 85 | 187 | 22 | F100X290 LSRH | | TBC100X290-4R | |
| 100 | 3,9' | 30 | 100 | 219 | 10 | F100X320 LSLH | TBC100X320-2LA | 98 | 216 | F100X320 LS | TBC100X320-1B | 100 | 220 | 10 | F100X320 LSRH | TBC100X320-2RA | FAB FAP |
| | | 114 | 250 | 22 | F100X375 LSLH | TBC100X375-1L | 110 | 240 | F100X375 LS | TBC100X375-2 | 114 | 250 | 22 | F100X375 LSRH | TBC100X375-1R | | |
| | | 112 | 246 | 14 | F100X375D14 LSLH | TBC100X375-3L | | | 246 | 14 | F100X375D14 LSRH | TBC100X375-3R | | | | | |
| | | 126 | 278 | 10 | F100X410 LSLH | TBC100X410-4L | 123 | 271 | F100X410 LS | TBC100X410-3 | 126 | 278 | 10 | F100X410 LSRH | TBC100X410-4R | | |
| | | 133 | 290 | 22 | F100X430 LSLH | TBC100X430-2L | 130 | 286 | F100X430 LS | TBC100X430-1 | 133 | 290 | 22 | F100X430 LSRH | TBC100X430-2R | | |
| | | 120 | 264 | 22 | F120X330 LSLH | TBC120X330-2LA | 118 | 260 | F120X330 LS | TBC120X330-1A | 120 | 264 | 22 | F120X330 LSRH | TBC120X330-2RA | | |
| 120 | 4,7' | 30 | 140 | 308 | 14 | F120X375 LSLH | | 143 | 310 | F120X375 LS | | 140 | 308 | 14 | F120X375 LSRH | | FAB FAP |
| | | 154 | 338 | 14 | F120X410 LSLH | TBC120X410-3L | 151 | 331 | F120X410 LS | TBC120X410-4 | 154 | 338 | 14 | F120X410 LSRH | TBC120X410-3R | | |
| | | 123 | 271 | 22 | F120X410D22 LSLH | TBC120X410-2L | | | 123 | 271 | 22 | F120X410D22 LSRH | TBC120X410-2R | | | | |
| | | 127 | 280 | 11,5 | F120X420 LSLH | TBC120X420-2L | 126 | 282 | F120X420 LS | TBC120X420L | 127 | 280 | 208 | F120X420 LSRH | TBC120X420-2R | | |
| 130 | 5,3' | 30 | 127 | 279 | 11,5 | F120X440 LSLH | TBC120X440-2LB | 127 | 279 | F120X440 LS | TBC120X440-1B | 127 | 279 | 11,5 | F120X440 LSRH | TBC120X440-2RB | FAB FAP |
| | | 167 | 366 | 11,5 | F120X535 LSLH | TBC120X535-4L | 163 | 358 | F120X535 LS | TBC120X535-3 | 167 | 366 | 11,5 | F120X535 LSRH | TBC120X535-4R | | |
| | | | | | | | | F130145X425 LS | EBC130/145 | 256 | 560 | | | | | | |
| 140 | 5,9' | 30 | 173 | 381 | 11,5 | F140X420 LSLH | TBC140X420-2LA | 178 | 392 | F140X420 LS | TBC140X420-1A | 173 | 381 | 11,5 | F140X420 LSRH | TBC140X420-2RA | FAB FAP |
| | | 221 | 488 | 11,5 | F140X465 LSLH | TBC140X465-1LB | 227 | 499 | F140X465 LS | TBC140X465-3A | 221 | 488 | 11,5 | F140X465 LSRH | TBC140X465-1RB | | |
| | | 230 | 506 | 11,5 | F140X490 LSLH | TBC140X490-2LB | 230 | 506 | F140X490 LS | TBC140X490-1B | 230 | 506 | 11,5 | F140X490 LSRH | TBC140X490-2RB | | |
| | | 227 | 499 | 11,5 | F140X575 LSLH | TBC140X575LA | | | 227 | 499 | 11,5 | F140X575 LSRH | TBC140X575RA | | | | |
| 160 | 6,7' | 30 | 233 | 517 | 14 | F160X430 LSLH | TBC160X430-2L | 183 | 403 | F160X430 LS | TBC160X430-1 | 180 | 397 | 14 | F160X430 LSRH | TBC160X430-2R | FAB FAP |
| | | 235 | 517 | 14 | F160X450 LSLH | TBC160X450-2L | 231 | 508 | F160X450 LS | TBC160X450-1 | 235 | 517 | 14 | F160X450 LSRH | TBC160X450-2R | | |
| | | 319 | 702 | 14 | F160X520 LSLH | TBC160X520-1L | | | 319 | 702 | 14 | F160X520 LSRH | TBC160X520-1R | | | | |
| | | 354 | 779 | 14 | F160X570 LSLH | TBC160X570-1L | | | 354 | 779 | 14 | F160X570 LSRH | TBC160X570-1R | | | | |
| 230 | 9,0' | 30 | | | | | | 387 | 853 | F230X420 LS | TCCF130-2B, TCCF130-21C, TCCF130-21D | | | | | | FAB FAP |
| | | | | | | | | 455 | 1.001 | F230X600 LS | TCCF130-16A, TCCF130-25C | | | | | | |
| 245 | 9,8' | 30 | | | | | | 346 | 761 | F245X410 LS | TCCF145-4, TCCF145-5, TCCF145-1B | | | | | | FAB FAP |
| | | | | | | | | 472 | 1.038 | F245X570 LS | TCCF145-3, TCCF145-6, TCCF145-8, TCCF145-2B | | | | | | |



BP BUCKET PROTECTION PARTS

loader lip shrouds



| LT | BP | Kg | Lb | 5° | LEFT | Cross Ref | Kg | Lb | CENTER | Cross Ref | Kg | Lb | 5° | RIGHT | Cross Ref | Base Pn. | |
|-----|------|----|-----|-----|------|-------------------|----------------|-----|--------|-----------------|---------------|-----|-----|-------|-------------------|----------------|------------|
| 50 | 2' | 30 | 72 | 158 | 13 | F50X345 LDSLH | TAC50X345-4L | 72 | 158 | F50X345 LDS | TAC50X345-3 | 72 | 158 | 13 | F50X345 LDSRH | TAC50X345-4R | |
| 65 | 2.6' | 30 | 101 | 223 | 13 | F65X380 LDSLH | LS2501500IL | | | | | 101 | 223 | 13 | F65X380 LDSRH | LS2501500JR | |
| 70 | 2.8' | 30 | 105 | 231 | 13 | F70X415 LDSLH | TAC70X415-3L | 100 | 220 | F70X415 LDS | TAC70X415-1 | 105 | 231 | 13 | F70X415 LDSRH | TAC70X415-3R | FAB FAP |
| | | 30 | 107 | 236 | 10 | F70X450 LDSLH | TAC70X450-2LA | 105 | 231 | F70X450 LDS | TAC70X450-1A | 107 | 236 | 10 | F70X450 LDSRH | TAC70X450-2RA | |
| 75 | 3' | 30 | 154 | 340 | 13 | F75X430 LDSLH | TAC75X430-2L | 153 | 337 | F75X430 LDS | TAC75X430-1 | 154 | 340 | 13 | F75X430 LDSRH | TAC75X430-2R | |
| 90 | 3.5' | 30 | 163 | 359 | 10 | F90X435 LDSLH | TBC90X435-2LC | 159 | 351 | F90X435 LDS | TBC90X435-1C | 163 | 359 | 10 | F90X435 LDSRH | TBC90X435-2RC | |
| | | 30 | 138 | 304 | 10 | F100X410 LDSLH | TBC100X410-2LB | 135 | 298 | F100X410 LDS | TBC100X410-1B | 138 | 304 | 10 | F100X410 LDSRH | TBC100X410-2RB | FBB FBP |
| 100 | 3.9' | 22 | 208 | 459 | 15 | F100X410B22 LDSLH | TBC100X410-6LA | 203 | 448 | F100X410B22 LDS | TBC100X410-5A | 208 | 459 | 15 | F100X410B22 LDSRH | TBC100X410-6RA | |



weld-on and bolt-on lip shrouds



bolt-on

| LT | IS | A | BP | SP | LT | Part | ISM |
|------|-----|------|----|-----|------|------------------|-----|
| 40.8 | 96 | 22 | - | 79 | 2.4' | F79 LSQR | |
| 45.7 | 96 | 25.1 | 22 | 15 | 2.8' | F79 LSQR LH 600 | 600 |
| 45.7 | 96 | 22 | 15 | - | - | F79 LSQR RH | |
| 60.2 | 102 | 35 | - | 89 | 3.1' | F89 LSQR | |
| 72.7 | 100 | 35 | 15 | 160 | 4.1' | F99 LSQR LH 700 | 700 |
| 72.7 | 100 | 35 | 15 | - | - | F99 LSQR RH | |
| 95.2 | 112 | 30 | - | - | - | F100 LSQR | |
| 95.2 | 116 | 40 | 15 | 160 | 4' | F100 LSQR LH 800 | |
| 95.2 | 116 | 30 | 15 | - | - | F100 LSQR RH | |
| 95.2 | 116 | 30 | - | - | - | F120 LSQR | |
| 109 | 127 | 40 | 15 | 128 | 4.7' | F120 LSQR LH | |
| 109 | 127 | 30 | 15 | - | - | F120 LSQR RH | |



weld-on

| LT | IS | A | BP | SP | LT | Part | ISM | ISM |
|----|-----|------|-----|------|------|------------|------------------|--------|
| 29 | 48 | 22 | - | 79 | 2.4' | F79 LS | | |
| 29 | 44 | 25.1 | 22 | 15 | 2.8' | F79 LS LH | | 600 |
| 29 | 44 | 22 | 15 | - | - | F79 LS RH | | |
| 34 | 36 | 35 | - | 89 | 3.1' | F89 LS | | |
| 36 | 90 | 35 | 15 | 160 | 4.1' | F99 LS LH | | 700 |
| 36 | 90 | 35 | 15 | - | - | F99 LS RH | | |
| 34 | 36 | 30 | - | 89 | 3.1' | F8900 | | 800 |
| 36 | 90 | 30 | 15 | 160 | 4.1' | F8900 L | | 800L |
| 36 | 90 | 30 | 15 | - | - | F8900 R | | 800R |
| 25 | 89 | 128 | 30 | - | 89 | 4.3' | F589130 | 549130 |
| 41 | 90 | 30 | - | - | - | F120 LS | CEGA 24-30 2A | |
| 42 | 85 | 40 | 15 | 128 | 4.7' | F120 LS LH | CEGA 24-30 2A/LA | |
| 42 | 85 | 30 | 15 | - | - | F120 LS RH | CEGA 24-30 2A/RA | |
| 87 | 140 | 30 | 128 | 4.7' | - | F121 LS | W5140LL | |

Other manufacturer names, descriptions, pictures and part numbers are used for reference purposes only.

BP BUCKET PROTECTION PARTS

roll bar



| A | H | B | K | C | L | M | N | Part | Code |
|----|------|-----|------|----|------|------|----|--------|----------|
| 95 | 1.4" | 220 | 1" | 39 | 1.5" | 1.5 | 8 | F25 RB | 280-4306 |
| 95 | 1.2" | 305 | 1.1" | 56 | 1.2" | 5,7 | 12 | F59 RB | 280-4307 |
| 98 | 1.1" | 305 | 1.1" | 78 | 1.1" | 30,8 | 24 | F69 RB | 280-4308 |

chocky bar



| A | H | B | K | C | L | M | N | Part | Code |
|-----|------|-----|------|------|------|------|----|---------|-----------------------------|
| 23 | 0.8" | 240 | 0.5" | 28,3 | 1.1" | 1,04 | 2 | F25 CB | 18125, 055CB |
| 48 | 1.3" | 240 | 0.5" | 28,3 | 1.1" | 1,08 | 4 | F69 CB | 18125, 055CB, CH60V, 1055NA |
| 58 | 1.3" | 240 | 0.5" | 28,3 | 1.1" | 1,10 | 5 | F59 CB | 18125, 051CB, CH60V |
| 65 | 1.3" | 240 | 0.5" | 28,3 | 1.1" | 1,77 | 6 | F65 CB | 18125, 054CB, CH60V, 1055NA |
| 100 | 1.4" | 240 | 0.5" | 28,3 | 1.1" | 4,20 | 9 | F100 CB | 18125, 0120CB, CH60V |
| 130 | 1.1" | 240 | 0.5" | 28,3 | 1.1" | 5,00 | 11 | F130 CB | 18125, 0120CB, CH60V, 000NA |

wear button



| A | H | B | K | C | L | M | N | Part | Code |
|-----|------|----|------|------|----|---|---|---------|----------------------|
| 60 | 1.8" | 21 | 1.3" | 0,57 | 1 | | | F60 WB | 18125, 0508A, W610 |
| 75 | 2.8" | 28 | 1.4" | 1,20 | 2 | | | F75 WB | 18125, 0758A, W675 |
| 90 | 3.5" | 44 | 1.7" | 1,40 | 3 | | | F90 WB | 18125, 0908A, W690 |
| 115 | 4.5" | 60 | 1.8" | 1,34 | 7 | | | F115 WB | 18125, 0118A |
| 150 | 5.8" | 61 | 2.4" | 1,30 | 11 | | | F150 WB | 18125, 03508A, W6150 |

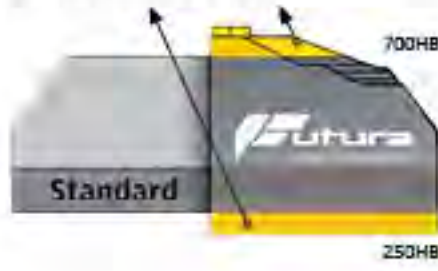


skid block



| A | H | B | K | L | M | N | Part | Code | |
|-----|------|-----|------|----|------|------|------|---------|-------|
| 150 | 1.6" | 250 | 0.6" | 37 | 1.6" | 13,0 | 20 | F150 SB | 18125 |
| 250 | 1.6" | 280 | 0.6" | 48 | 1.6" | 23,3 | 31 | F250 SB | 18125 |

FUTURA buttons & bars are manufactured with 20% more wear material in the wear area and the welding plate than other standard buttons and bars



Extremely hard

Available in different sizes and shapes, the FUTURA Chrome white iron part is extremely hard, laminated bi-metallic, wear resistant composite with chrome-molly white iron being bonded onto a mild steel backing plate. The bonding shear strength is over 210 Mpa and will not separate

Consistent properties

Post bonding heat treatment is conducted to ensure the FUTURA parts have a finely dispersed microstructure and more consistent properties compared to most brands in the market.

Hardness 700HB

The hardness of alloy, 700 brinell or HRC 63 minimum, provides maximum abrasion resistance, while the steel backing plate acts as a means of absorbing high impacts and allows easy fitting and use. The ideal working temperature for FUTURA Bucket parts is no higher than 300°C.

Applications

Typical applications include buckets (excavator, loader, dragline or face shovel tips), crusher spider arm guards, discharge chutes, rockboxes, grizzly bars or feeders, shredder and grinding mills, sugar cane knife edges, adaptor / attachment protection, dredging equipment, screen feed distribution and feed hopper wear areas.

weld-on wear pad



| A | H | B | K | C | L | M | N | Part |
|-----|------|-----|------|----|------|-----|---|-------|
| 108 | 1.6" | 275 | 0.6" | 58 | 0.6" | 2,0 | 4 | FW-01 |



Designed for severe applications and abrasive conditions



Other manufacturers' names, descriptions, pictures and part numbers are used for reference purposes only



FUTURA extreme performance BLADES

FUTURA 550: +70% WEAR LIFE COMPARED TO OTHER 500 BRINELL BORON STEEL



FUTURA 550 and FUTURA 600 are abrasion resistant steels with a nominal hardness of 550 and 600 HBW. Typical applications are components with abrasion resistance.



Mechanical Properties

| | Thickness mm | Hardness HBW | Resilience CVL |
|------------|--------------|--------------|----------------|
| FUTURA 550 | 8.0 - 65.0 | 525 - 575 | 30J / -40°C |
| FUTURA 600 | 4.0 - 31.0 | 570 - 640 | 30J / -40°C |
| | 51.1 - 65.0 | 550 - 640 | 30J / -40°C |



Base and bolt-on edges for bulldozers, graders or scrapers



FUTURA 600 BRINELL PRODUCTS CAN BE A SUBSTITUTE FOR CARBIDE OVERLAY CUTTING EDGES AT A VERY AFFORDABLE COST



blade



FUTURA PREMIUM BLADES

Try the FUTURA 550 PREMIUM blades in applications where you use ordinary 500HB blades and gain an extra 70% service life.

blade

EXTREME PERFORMANCE BLADES



Other manufacturers' names, descriptions, pictures and part numbers are used for reference purposes only.

RIPPER

RIPPER

FUTURA HAMMERLESS 100% COMPATIBLE WITH YOUR CURRENT CATERPILLAR RIPPER SHANKS

RPT
NEW
HAMMERLESS
RIPPER
PROTECTOR
IMPROVED
DESIGN FOR
EXTRA SHANK
AND TOOTH
PROTECTION



R1

SHORT



R2

MEDIUM



| kg | lb | Part | Cross Ref | Size |
|-----|-----|--------------------|-------------------|------|
| 51 | 111 | 75 3/4" FC75 RPT | 61-8614, 132-4716 | |
| 205 | 450 | 90 3/4" FC90 RPT | 9W-8305, 132-3034 | |
| 300 | 660 | 100 3/4" FC100 RPT | 61-8260, 132-1015 | |
| 347 | 763 | 110 3/4" FC110 RPT | 9W-8621, 132-3036 | |

| kg | lb | Part | Cross Ref | Size |
|------|-----|----------|------------------|------|
| 29,3 | 65 | FC650 R1 | 9W-2451, 47-5451 | R650 |
| 32,0 | 70 | FC600 R1 | 47-4801, 47-5501 | R600 |
| 51,1 | 112 | FC550 R1 | 9W-4931 | R550 |

| kg | lb | Part | Cross Ref | Size |
|------|-----|----------|-----------------|------|
| 6,3 | 14 | FC300 R2 | 47-4302 61-0309 | R300 |
| 14,6 | 32 | FC350 R2 | 61-0352 61-0359 | R350 |
| 20,8 | 46 | FC400 R2 | 9W-2452 47-5452 | R400 |
| 30,0 | 66 | FC500 R2 | 47-5502 | R500 |
| 55,4 | 123 | FC550 R2 | 61-3552 | R550 |



HP HAMMERLESS
PIN



SOCKET HEX

R2ST
MEDIUM
STAR



| kg | lb | Part | Cross Ref | Size |
|------|----|------------|-----------|------|
| 14,3 | 31 | FC350 R2ST | 61-0352ST | R350 |
| 22,8 | 50 | FC450 R2ST | 9W-2452ST | R450 |
| 32,7 | 72 | FC500 R2ST | 47-5502ST | R500 |

R2S
MEDIUM
CENTERLINE



| kg | lb | Part | Cross Ref | Size |
|------|-----|-----------|-----------|------|
| 35,3 | 78 | FC500 R2S | 47-4302 | R500 |
| 57,0 | 125 | FC550 R2S | 9W-4932 | R550 |

R3
LONG



| kg | lb | Part | Cross Ref | Size |
|------|----|----------|------------------|------|
| 22,9 | 50 | FC350 R3 | 114-0453 | R350 |
| 37,8 | 84 | FC500 R3 | 47-5503, 47-6503 | R500 |

R3ST
LONG
STAR



| kg | lb | Part | Cross Ref | Size |
|------|----|------------|--------------------|------|
| 38,0 | 84 | FC500 R3ST | 47-5503 47-6503 | R500 |

ARM TUNGSTEN
COATED
RIPPER TEETH
AVAILABLE
ON DEMAND



R2S
MEDIUM



| kg | lb | Part | Cross Ref | Size |
|------|----|---------|------------------------|------|
| 4,1 | 9 | FE22 R2 | 22-R30 | 22 |
| 6,2 | 14 | FE25 R2 | 25-R32 | 25 |
| 14,5 | 32 | FE35 R2 | 35-R41.6A 39-R1.7E | 35 |
| 26,0 | 57 | FE50 R2 | 50-R41.7E 50-R41.6A | 50 |

R2S
MEDIUM
STAR



| kg | lb | Part | Cross Ref | Size |
|------|----|----------|-----------|------|
| 14,2 | 31 | FE25 R2S | 35-R1.4 | 35 |

RPT
RIPPER
PROTECTOR



| kg | lb | Part | Cross Ref | Size |
|----|----|-----------------|-----------|------|
| 44 | 96 | 90 L/P/FE90 RPT | 25R41.5L | 39 |

KOMATSU

R2
MEDIUM



| kg | lb | Part | Cross Ref | Size |
|------|----|----------|------------------------------|------|
| 10,0 | 22 | FK255 R2 | 125-78-21220 125-78-21231 | 135 |
| 21,0 | 46 | FK355 R2 | 105-78-21231 105-78-21233 | 355 |
| 30,0 | 66 | FK325 R2 | 105-78-71320 105-78-71330 | 375 |
| 38,2 | 84 | FK475 R2 | 105-78-21420 105-78-21230 | 475 |





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