

**PAMARCO**  
GlobalGraphics



**CRESTLINE<sup>®</sup>**  
*Catalog #21*



[www.pamarcoglobal.com](http://www.pamarcoglobal.com)

# INDEX

|  |            |
|--|------------|
| Crestline Water Units . . . . .                  | 2          |
| Crestline Parts for A.B. Dick and T-51 . . . . . | 3, 4       |
| Crestline Parts for Didde . . . . .              | 4, 5       |
| Crestline Parts for Hamada . . . . .             | 5, 6, 7, 8 |
| Crestline Parts for Heidelberg . . . . .         | 9          |
| Crestline Parts for Multilith . . . . .          | 10         |
| Crestline Parts for Ryobi / Itek . . . . .       | 11, 12, 13 |
| Crestline Parts for Sakurai . . . . .            | 13         |
| Crestline Parts for Toko . . . . .               | 10         |
| Dahlgren Parts . . . . .                         | 15         |
| Powder Pro Units . . . . .                       | 14         |
| Tempest Units . . . . .                          | 14         |
| Waterboy Units . . . . .                         | 14         |

## MANUFACTURER'S LIMITED WARRANTY

**Crestline® and Altra Series®**

Pamarco Global Graphics warrants to Owner that all parts and material used in the construction of the Crestline or Altra Series Dampener are free from any manufacturing defects. Pamarco shall repair or replace all defective parts and material (except rollers) for two (2) years from the date of installation. This limited warranty shall not cover labor, service and/or installation.

**Powder Pro® Spraying System**

Pamarco Global Graphics warrants to Owner that all parts and material used in the construction of the PowderPro sprayer are free from any manufacturing defects. Pamarco shall repair or replace all defective components (except pumps) for two (2) years from the date of installation. Pamarco shall repair or replace all defective pumps for a period of 1 year following date of installation. This limited warranty shall not cover labor, service and/or installation.

**Tempest® Hot Air Drying System**

Pamarco Global Graphics warrants to Owner that all parts and material used in the construction of the Tempest dryer are free from any manufacturing defect. Pamarco shall repair or replace with equal or like product all defective parts and materials for a period of one (1) year from date of installation. This limited warranty shall not cover labor, service and/or installation.

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**ALL WATER SYSTEMS  
ARE NOT THE SAME!**  
**CRESTLINE<sup>®</sup>, TEMPEST<sup>®</sup>,  
POWDER PRO<sup>®</sup>**  
***SIMPLY THE BEST***



**EACH CRESTLINE IS DESIGNED AND  
MANUFACTURED TO CARRY A SPECIFIC  
AMOUNT OF WATER TO THE PLATE.**

Only the best components are used in **CRESTLINE** units. This minimizes the time you need to get the proper ink-water balance.



**EVERY TEMPEST IS DESIGNED USING  
THERMISTOR TECHNOLOGY**

**TEMPEST** hot air dryers use ceramic coated semi conductors as their heat source instead of inferred bulbs. That's why the **TEMPEST** hot air dryer will never ignite your paper. As each sheet of paper passes by the **TEMPEST** it floats through a layer of heated air which accelerates ink drying.

**THE POWDER PRO METERS EXACT  
AMOUNTS OF POWDER TO EACH SHEET**

As the powder is fluffed up in the **POWDER PRO** jar it is metered through a manifold. Then by even air pressure the **POWDER PRO** delivers a specific amount of powder to the sheet. This eliminates powder clumping and over or under spraying as the volume of powder changes in the jar.



**DEMAND THE VERY BEST.**  
**CHOOSE *CRESTLINE*, *TEMPEST* AND  
*POWDER PRO* as your next press  
accessory.**

# CRESTLINE WATER UNITS

CRESTLINE DAMPENING UNITS FOR A.B.DICK, DIDDE, HAMADA, HEIDELBERG, AND RYOBI

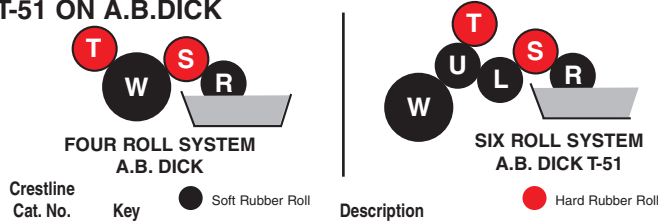


| Crestline Part No.   | Description   |
|--|---|
| <b>A.B.DICK</b>  |   |
| AGCDSAB980   | A.B. DICK 9810 - 9850   |
| AGCDSAB980THSW   | A.B.DICK 9800 T-HEAD SWING AWAY                               |
| AGCDSAB987   | A.B. DICK 9870  |
| AGCDSAB987D  | A.B. DICK 9870D   |
| AGCDSAB9900  | A.B.DICK 9900   |
| AGCDSRY332OSC  | A.B. DICK 9985 (per set)                                      |
| AGCDSRY3302H   | A.B. DICK 9995 (per set)                                      |
| Additional guards required for presses with T-51 second color heads. |   |
| <b>DIDDE</b>   |   |
| AGCSDSD1850  | DIDDE 8.5   |
| AGCSDDIMCP   | DIDDE MCP   |
| <b>HAMADA</b>  |   |
| AGCDSHM470   | HAMADA E-47   |
| AGCDSHM47SOSC  | HAMADA 775/E47S SATELLITE ALTRA                               |
| AGCDSHM600   | HAMADA 600  |
| AGCDSHM665OSC  | HAMADA 665 SATELLITE  |
| AGCDSHM700   | HAMADA 700  |
| AGCDSHMC248  | HAMADA C248 MOLLOTEN (per set)                                |
| AGCDSHMSU47  | HAMADA SU 47 PARENT   |
| <b>HEIDELBERG</b>  |   |
| AGCDSHE460OSC  | HEIDELBERG GTO 46   |
| AGCDSHE520OSC  | HEIDELBERG GTO 52   |
| <b>RYOBI</b>   |   |
| AGCDSRY280   | RYOBI 2800/ITEK 960   |
| AGCDSRY280THSW   | RYOBI 280 T-HEAD SWING AWAY / AE                              |
| AGCDSRY320   | RYOBI 3200/ITEK 975 (presses with serial number before 10239) |
| AGCDSRY320E  | RYOBI 3200 EXTENDED (presses with serial number after 10239)  |
| AGCDSRY320THSW   | RYOBI 3200 T-HEAD SWING AWAY / AE                             |
| AGCDSRY32M   | RYOBI 3200MCD/ITEK 985  |
| AGCDSRY3302H   | RYOBI 3302H ALTRA (set of 2)                                  |
| AGCDSRY3304H   | RYOBI 3304H ALTRA (set of 4)                                  |
| AGCDSRY3302OSC   | RYOBI 3302M ALTRA (set of 2)                                  |

**NOTE:** For models not listed call for availability  
972-484-6808

# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for A.B.DICK & T-51 ON A.B.DICK



### A.B. DICK 350/360 4 ROLL WATER UNIT

After serial #9008-02426 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |   |
|--------------|---|---|
| X07-0101     | W | FORM ROLLER, Soft (w/ roll pin)   |
| X07-0318NS   | R | PAN ROLLER Soft   |
| X07-0401     | T | OSCILLATOR ROLLER Hard  |
| XSA-070201NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, sleeves)                   |
| X06-108      | — | SIDE FRAME BEARINGS (After Serial# 9304-10195)<br>(Requires qty. 4)             |
| X06-346038   | — | SIDE FRAME THIN FLANGED BUSHING (Before Serial# 9304-10195)<br>Requires qty. 2) |

### A.B. DICK 375 4 ROLL WATER UNIT

After serial #9008-02379 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0104     | W | FORM ROLLER Soft (w/ roll pin)   |
| X07-0303NS   | R | PAN ROLLER Soft  |
| X07-0403     | T | OSCILLATOR ROLLER Hard   |
| XSA-070203NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, sleeves)                          |
| X06-108      | — | SIDE FRAME BEARING Sealed Ball Bearing (After Serial# 9304-10195)<br>(Requires qty. 4) |
| X06-246038   | — | SIDE FRAME Thick Flanged Bushing (Before Serial #9304-10195)<br>(Requires qty. 2)      |
| X06-346038   | — | SIDE FRAME Thin Flanged Bushing (Before Serial #9304-10195)<br>(Requires qty. 2)       |

### A.B. DICK 8800 4 ROLL WATER UNIT

After serial #9008-02426 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |   |
|--------------|---|---|
| X07-0101     | W | FORM ROLLER Soft (w/ roll pin)  |
| X07-0318NS   | R | PAN ROLLER Soft   |
| X07-0401     | T | OSCILLATOR ROLLER Hard  |
| XSA-070201NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, sleeves)                         |
| X06-108      | — | SIDE FRAME BEARING Sealed Ball Bearing (After Serial# 9211-8555)<br>(Requires qty. 4) |
| X06-346038   | — | SIDE FRAME Thin Flanged Bushing (Before Serial #9211-8555)<br>(Requires qty. 4)       |

### A.B. DICK 9800 / 9900 4 ROLL WATER UNIT

After serial #9008-02379 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |   |
|--------------|---|---|
| X07-0104     | W | FORM ROLLER Soft (w/ roll pin)  |
| X07-0303NS   | R | PAN ROLLER Soft   |
| X07-0403     | T | OSCILLATOR ROLLER Hard  |
| XSA-070203NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, sleeves)                         |
| X06-108      | — | SIDE FRAME BEARING Sealed Ball Bearing (After Serial# 9211-8555)<br>(Requires qty. 4) |
| X06-346038   | — | SIDE FRAME Thin Flanged Bushing (Before Serial #9211-8555)<br>(Requires qty. 2)       |

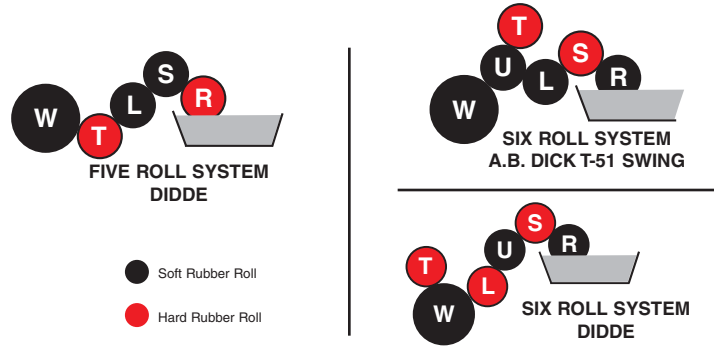
### A.B. DICK 360 T-51 STATIONARY T-HEAD 6 ROLL WATER UNIT

|               |   |  |
|---------------|---|--|
| X07-51110     | W | FORM ROLLER Soft   |
| X07-0322NS    | R | PAN ROLLER Soft  |
| X07-0420      | T | OSCILLATOR ROLLER Hard                                   |
| XSA-0702360TH | S | METERING ROLLER ASSY. Hard                               |
| XSA-070517    | U | UPPER INTERMEDIATE ASSY. Soft (Roller, shaft, snap ring) |
| X07-51151     | L | LOWER INTERMEDIATE Soft                                  |

### A.B. DICK 9800 T-51 STATIONARY T-HEAD 6 ROLL WATER UNIT

|              |   |  |
|--------------|---|--|
| X07-51710    | W | FORM ROLLER Soft   |
| X07-0325NS   | R | PAN ROLLER Soft  |
| X07-0422     | T | OSCILLATOR ROLLER Hard                                   |
| XSA-070298TH | S | METERING ROLLER ASSY. Hard                               |
| XSA-070521   | U | UPPER INTERMEDIATE ASSY. Soft (Roller, shaft, snap ring) |
| X07-51750    | L | LOWER INTERMEDIATE Soft                                  |

## ORIGINAL CRESTLINE PARTS for A.B. DICK & DIDDE



Crestline  
Cat. No.      Key      Description

### A.B. DICK 9800 T-51 SWING AWAY T-HEAD 6 ROLL WATER UNIT

|              |   |   |
|--------------|---|---|
| X07-51710    | W | FORM ROLLER Soft  |
| X07-0325NS   | R | PAN ROLLER Soft   |
| X07-0405     | T | OSCILLATOR ROLLER Hard  |
| XSA-070298SW | S | METERING ROLLER ASSY. Hard (Roller, shaft, snap ring, collar, roll pin) |
| XSA-070522   | U | UPPER INTERMEDIATE ASSY. Soft (Roller, shaft, snap ring)                |
| X07-51750    | L | LOWER INTERMEDIATE Soft   |

### DIDDE 8.5 OLD STYLE 6 ROLL WATER UNIT

|             |   |   |
|-------------|---|---|
| X07-0126    | W | FORM ROLLER, Soft (w/ roll pin)                               |
| X07-0328    | R | PAN ROLLER Soft   |
| X07-0404    | T | OSCILLATOR ROLLER Hard  |
| XSA-07D1850 | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars) |
| XSA-070528  | U | UPPER INTERMEDIATE ASSY. Soft                                 |
| XSA 070527  | L | LOWER INTERMEDIATE Hard                                       |
| X06-108     | — | SIDE FRAME BEARINGS (4 per dampener)                          |
| X06-246063  | — | FLANGED BUSHING, DRIVE SHAFT (Requires qty. 2)                |

### DIDDE 8.5 ALTRA 5 ROLL WATER UNIT

|            |   |   |
|------------|---|---|
| X07-0133   | W | FORM ROLLER Soft  |
| X07-0353   | R | PAN ROLLER Hard   |
| X07-0429   | T | OSCILLATOR ROLLER Hard  |
| XSA-070242 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, sleeves) |
| XSA-070537 | L | INTERMEDIATE ASSY. Soft                                       |
| X06-142    | — | SEALED BALL BEARING   |
| X06-153    | — | SEALED BALL BEARING   |

### DIDDE 11/17 OLD STYLE 5 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0133   | W | FORM ROLLER Soft   |
| X07-0337   | R | PAN ROLLER Hard  |
| X07-0429   | T | OSCILLATOR ROLLER Hard                                       |
| XSA-070238 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, collar) |
| XSA-070531 | L | INTERMEDIATE ASSY. Soft                                      |
| X06-108    | — | SIDE FRAME BEARING Sealed Ball Bearing (Requires qty. 2)     |
| X06-107    | — | SEALED BALL BEARING (Pan Shaft Requires qty. 2)              |
| X06-103    | — | SEALED BALL BEARING (Pivot Requires qty. 2)                  |
| X06-100    | — | SEALED BALL BEARING (Form Roll Requires qty. 2)              |

### DIDDE 11/17 ALTRA 5 ROLL WATER UNIT

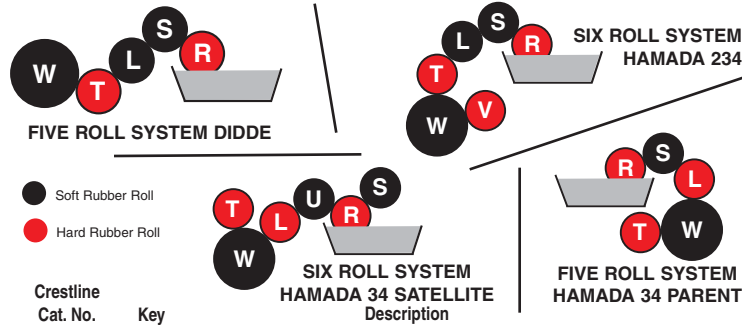
|            |   |  |
|------------|---|--|
| X07-0158   | W | FORM ROLLER Soft   |
| X07-0353   | R | PAN ROLLER Hard  |
| X07-0429   | T | OSCILLATOR ROLLER Hard                                       |
| XSA-070242 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, collar) |
| XSA-070537 | L | INTERMEDIATE ASSY. Soft                                      |
| X06-101    | — | SEALED BALL BEARING (Pan Shaft Requires qty. 2)              |
| X06-100    | — | SEALED BALL BEARING (Form Roll Requires qty. 2)              |

### DIDDE MINICOM, MCP OLD STYLE 5 ROLL UNIT

|            |   |  |
|------------|---|--|
| X07-0136   | W | FORM ROLLER Soft   |
| X07-0337   | R | PAN ROLLER Hard  |
| X07-0434   | T | OSCILLATOR ROLLER Hard                                       |
| XSA-070238 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, collar) |
| X07-0520   | L | INTERMEDIATE ASSY. Soft                                      |
| X06-108    | — | SIDE FRAME BEARING Sealed Ball Bearing (Requires qty. 2)     |
| X06-107    | — | SEALED BALL BEARING (Pan Shaft Requires qty. 2)              |
| X06-102    | — | SEALED BALL BEARING (Pivot Requires qty. 2)                  |

# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for DIDDE & HAMADA



### DIDDE MINICOM, MCP ALTRA 5 ROLL UNIT

|            |   |  |
|------------|---|--|
| X07-0136   | W | FORM ROLLER Soft   |
| X07-0353   | R | PAN ROLLER Hard  |
| X07-0434   | T | OSCILLATOR ROLLER Hard                                       |
| XSA-070242 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, collar) |
| XSA-070537 | L | INTERMEDIATE ASSY. Soft                                      |
| X06-101    | — | SEALED BALL BEARING (Pan Shaft Requires qty. 2)              |
| X06-130    | — | SEALED BALL BEARING (Form Roll Requires qty. 2)              |

### HAMADA 234 6 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0144   | W | FORM ROLLER, Soft (w/ roll pin)                        |
| XSA-070351 | R | PAN ROLLER Hard  |
| X07-0445   | T | OSCILLATOR ROLLER Hard                                 |
| XSA-070241 | S | METERING ROLLER ASSY. Soft (Roller, shaft, snap rings) |
| XSA-070532 | L | INTERMEDIATE ASSY. Soft (Roller, shaft, collars)       |
| X07-0446   | V | RIDER ROLLER Hard                                      |
| X06-113    | — | SIDE FRAME SEALED BALL BEARINGS (Requires qty. 2)      |
| X06-101    | — | SEALED BALL BEARING (Pan Roller Requires qty. 2)       |
| X06-136    | — | SEALED BALL BEARING (Pivot Requires qty. 2)            |

### HAMADA RS34/VS34 PARENT, DU34 UPPER 5 ROLL WATER UNIT

|            |   |   |
|------------|---|---|
| X07-0143   | W | FORM ROLLER Soft  |
| X07-0350   | R | PAN ROLLER hARD   |
| X07-0442   | T | OSCILLATOR/BRIDGE ROLLER Hard                                       |
| XSA-070538 | S | METERING ROLLER ASSY. Soft (Shaft, bearings, snap rings, roll pins) |
| XSA-070533 | L | INTERMEDIATE ASSY. Hard (Shaft, bearings, snap rings, roll pins)    |
| X06-113    | — | SEALED BALL BEARING (Side Frame Requires qty. 4)                    |
| X06-101    | — | SEALED BALL BEARING (Pivot Requires qty. 2)                         |

### HAMADA RS34/VS34 SATELLITE, DU 34 LOWER 6 ROLL UNIT

|            |   |   |
|------------|---|---|
| X07-0143   | W | FORM ROLLER Soft  |
| X07-0350   | R | PAN ROLLER Hard   |
| X07-0444   | T | OSCILLATOR/BRIDGE ROLLER Hard   |
| XSA-070240 | S | METERING ROLLER ASSY. Soft (Shaft, washers, snap rings, roll pins)    |
| XSA-070538 | U | UPPER INTERMEDIATE ASSY. Soft (Shaft, bearings, snap ring, roll pins) |
| XSA-070533 | L | LOWER INTERMEDIATE Hard (Shaft, bearings, snap rings, roll pins)      |
| X06-113    | — | SEALED BALL BEARING (Side Frame Requires qty. 4)                      |
| X06-101    | — | SEALED BALL BEARING (Pivot Requires qty. 2)                           |

### HAMADA RS34/VS34 PARENT, DU34 UPPER PHASE II - 5 ROLL

|            |   |   |
|------------|---|---|
| X07-0143   | W | FORM ROLLER Soft  |
| X07-0350   | R | PAN ROLLER Hard   |
| X07-0444   | T | OSCILLATOR/BRIDGE ROLLER Hard                                       |
| XSA-070538 | S | METERING ROLLER ASSY. Soft (Shaft, bearings, snap rings, roll pins) |
| XSA-070533 | L | INTERMEDIATE ASSY. Hard (Shaft, bearings, snap rings, roll pins)    |
| X06-113    | — | SEALED BALL BEARING (Side Frame Requires qty. 4)                    |
| X06-101    | — | SEALED BALL BEARING (Pivot Requires qty. 2)                         |

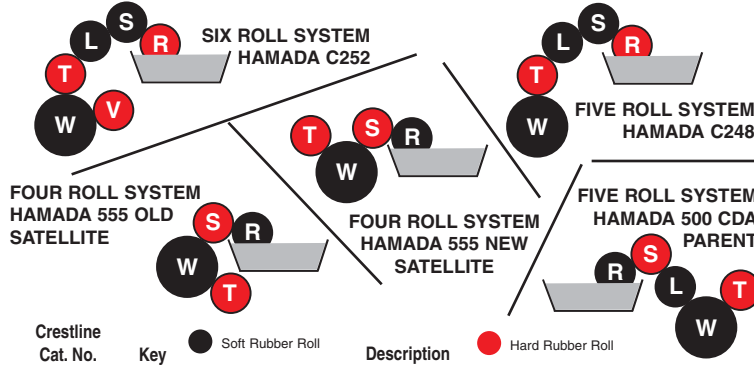
### HAMADA RS/VS34 SATELLITE, DU34 LOWER PHASE II - 6 ROLL

On the DU34 Lower Phase II there is no Upper Intermediate roller, and the Metering roller is XSA-070538

|            |   |   |
|------------|---|---|
| X07-0143   | W | FORM ROLLER Soft  |
| X07-0350   | R | PAN ROLLER Hard   |
| X07-0444   | T | OSCILLATOR/BRIDGE ROLLER Hard   |
| XSA-070240 | S | METERING ROLLER ASSY. Soft (Shaft, washers, snap rings, roll pins)    |
| XSA-070538 | U | UPPER INTERMEDIATE ASSY. Soft (Shaft, bearings, snap ring, roll pins) |
| XSA-070533 | L | LOWER INTERMEDIATE Hard (Shaft, bearings, snap rings, roll pins)      |
| X06-113    | — | SEALED BALL BEARING (Side Frame Requires qty. 4)                      |
| X06-101    | — | SEALED BALL BEARING (Pivot Requires qty. 2)                           |

# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for HAMADA



### HAMADA C248 5 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0145   | W | FORM ROLLER Soft (w/ roll pin)                                   |
| XSA-070330 | R | PAN ROLLER Hard  |
| X07-0439*  | T | AUXILIARY OSCILLATOR ROLLER Hard                                 |
| XSA-070228 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, snap rings) |
| XSA-070529 | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars)       |
| X06-111    | — | SIDE FRAME BEARING Sealed Ball Bearing (Requires qty. 2)         |
| X06-112    | — | SEALED BALL BEARING (Pan Roller Requires qty. 2)                 |

\*Large gear driven oscillator must be purchased from Hamada.

### HAMADA C252 6 ROLL WATER UNIT

|               |   |  |
|---------------|---|--|
| X07-0146      | W | FORM ROLLER Soft   |
| XSA-070354    | R | PAN ROLLER Hard  |
| X07-0448      | T | OSCILLATOR ROLLER Hard   |
| XSA-070220OSC | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, snap rings) |
| XSA-070515OSC | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars)       |
| X07-0603      | V | AUXILIARY RIDER ROLLER Hard                                      |
| X06-111       | — | SEALED BALL BEARING Side Frame (Requires qty. 2)                 |
| X06-112       | — | SEALED BALL BEARING (Pan Roller Requires qty. 2)                 |
| X06-113       | — | SEALED BALL BEARING (Water Form Roller Requires qty. 2)          |

### HAMADA 500 CDA PARENT 5 ROLL WATER UNIT

After serial #9012-03267 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0118     | W | FORM ROLLER Soft   |
| X07-0308NS   | R | PAN ROLLER Soft  |
| X07-0408     | T | OSCILLATOR ROLLER Hard   |
| XSA-070209NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)                        |
| XSA-070514   | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pins)                |
| X06-108      | — | SEALED BALL BEARING Side Frame (Requires qty. 2)                                     |
| X06-346038   | — | THIN FLANGED BUSHING (Requires qty. 2) // 4 per unit before serial number 9211-08645 |
| X06-103      | — | SEALED BALL BEARING Pivot (Requires qty. 2)  |

### HAMADA 555 OLD STYLE SATELLITE 4 ROLL WATER UNIT

After serial #9012-03267 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |   |
|--------------|---|---|
| X07-0119     | W | FORM ROLLER Soft  |
| X07-0312NS   | R | PAN ROLLER Soft   |
| X07-0412     | T | OSCILLATOR ROLLER Hard  |
| XSA-070213NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, e-clips)   |
| X06-108      | — | SEALED BALL BEARING Side Frame (After serial number 911-08613) Side Frame (Requires qty. 4) |
| X06-346038   | — | THIN FLANGED BUSHING (Before serial number 9111-08613) Side Frame (Requires qty. 4)         |

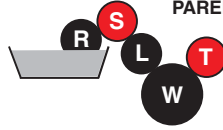
### HAMADA 555 NEW STYLE SATELLITE 4 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0125   | W | FORM ROLLER Soft   |
| X07-0306   | R | PAN ROLLER Soft  |
| X07-0436   | T | OSCILLATOR ROLLER Hard                                   |
| XSA-070205 | S | METERING ROLLER ASSY. Hard (Roller, shaft, e-clips)      |
| X06-108    | — | SEALED BALL BEARING Side Frame (Requires qty. 2)         |
| X06-138    | — | SEALED BALL BEARING Tie Bar lift shaft (Requires qty. 2) |
| X06-103    | — | SEALED BALL BEARING End of Pan Roller (Requires qty. 2)  |

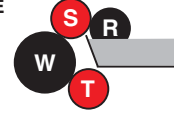
# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for HAMADA

FIVE ROLL SYSTEM HAMADA  
600, 611/612, & 611/612 E  
PARENT



FOUR ROLL SYSTEM  
HAMADA 661/662,  
& 661/662 E  
SATELLITE



● Soft Rubber Roll

● Hard Rubber Roll

Crestline  
Cat. No.

Key

Description

### HAMADA 611/612 PARENT 5 ROLL WATER UNIT

After serial #9012-03267 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0117     | W | FORM ROLLER Soft   |
| X07-0315NS   | R | PAN ROLLER Soft  |
| X07-0415     | T | OSCILLATOR ROLLER Hard (After serial number 9304-10172)                              |
| X07-0408     | T | OSCILLATOR ROLLER Hard (Before serial number 9304-10172)                             |
| XSA-070216NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)                        |
| XSA-070504   | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pins)                |
| X06-108      | — | SEALED BALL BEARING Side Frame (Requires qty. 2)                                     |
| X06-346038   | — | THIN FLANGED BUSHING (Requires qty. 2) // 4 per unit before serial number 9211-08645 |
| X06-103      | — | SEALED BALL BEARING Pivot (Requires qty. 2)  |

### HAMADA 611/612 E SERIES PARENT 5 ROLL WATER UNIT

After serial #9012-03267 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0116     | W | FORM ROLLER Soft   |
| X07-0315NS   | R | PAN ROLLER Soft  |
| X07-0415     | T | OSCILLATOR ROLLER Hard   |
| XSA-070216NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)                        |
| XSA-070509   | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pins)                |
| X06-108      | — | SEALED BALL BEARING (After serial number 9211-08645)<br>Side Frame (Requires qty. 2) |
| X06-246038   | — | THIN FLANGED BUSHING (Requires qty. 2) // 4 per unit before serial number 9211-08645 |
| X06-103      | — | SEALED BALL BEARING Pivot (Requires qty. 2)  |

### HAMADA 661/662 SATELLITE 4 ROLL WATER UNIT

|              |   |  |
|--------------|---|--|
| X07-0120     | W | FORM ROLLER, Soft (w/ roll pin)  |
| X07-0319     | R | PAN ROLLER Soft  |
| X07-0417     | T | OSCILLATOR ROLLER Hard   |
| XSA-070218NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, collars)                                  |
| X06-108      | — | SEALED BALL BEARING (After serial number 9211-08613)<br>Side Frame (Requires qty. 4) |
| X06-346038   | — | THIN FLANGED BUSHING Before serial number 9211-08613<br>(Requires qty. 4)            |
| X06-103      | — | SEALED BALL BEARING Pivot (Requires qty. 2)  |

### HAMADA 661/662 E SATELLITE 4 ROLL WATER UNIT

|              |   |  |
|--------------|---|--|
| X07-0121     | W | FORM ROLLER, Soft (w/ roll pin)  |
| X07-0319     | R | PAN ROLLER Soft  |
| X07-0418     | T | OSCILLATOR ROLLER Hard   |
| XSA-070218NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, collars)                                  |
| X06-108      | — | SEALED BALL BEARING (After serial number 9211-08613)<br>Side Frame (Requires qty. 4) |
| X06-346038   | — | THIN FLANGED BUSHING Before serial number 9211-08613<br>(Requires qty. 4)            |
| X06-103      | — | SEALED BALL BEARING Pivot (Requires qty. 2)  |

### HAMADA 600 PARENT 5 ROLL UNIT

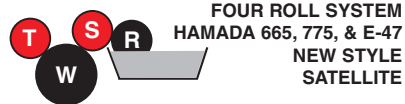
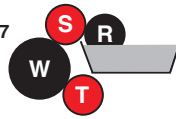
After serial #9012-03267 (Parent Only) have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |   |
|--------------|---|---|
| X07-0117     | W | FORM ROLLER Soft  |
| X07-0308NS   | R | PAN ROLLER Soft   |
| X07-0408     | T | OSCILLATOR/BRIDGE ROLLER Hard   |
| XSA-070209NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)   |
| XSA-070504   | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pins)                                 |
| X06-108      | — | SEALED BALL BEARING (After serial number 9211-08645)<br>Side Frame (Requires qty. 2)                  |
| X06-346038   | — | THIN FLANGED BUSHING Before serial number 9211-08645<br>(*Requires qty. 4) // after (Requires qty. 2) |
| X06-103      | — | SEALED BALL BEARING Pivot (Requires qty. 2)   |

# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for HAMADA

FOUR ROLL SYSTEM  
HAMADA 665, 775, & E-47  
OLD STYLE SATELLITE



FIVE ROLL SYSTEM  
HAMADA 700/E-47  
PARENT



Crestline  
Cat. No.      Key      Description

● Soft Rubber Roll      ● Hard Rubber Roll

### HAMADA 665 OLD STYLE SATELLITE 4 ROLL UNIT

After serial #9012-03267 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0113     | W | FORM ROLLER Soft   |
| X07-0312NS   | R | PAN ROLLER Soft  |
| X07-0412     | T | OSCILLATOR/BRIDGE ROLLER Hard  |
| XSA-070213NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, e-clips)                                  |
| X06-108      | — | SEALED BALL BEARING (After serial number 9111-08613)<br>Side Frame (Requires qty. 4) |
| X06-246038   | — | THIN FLANGED BUSHING Before serial number 9111-08613<br>(Requires qty. 4)            |

°Dampener has silver side frames

### HAMADA 665 NEW STYLE SATELLITE 4 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0107   | W | FORM ROLLER Soft   |
| XSA-070306 | R | PAN ROLLER Soft  |
| X07-0437   | T | AUXILIARY OSCILLATOR ROLLER Hard                         |
| XSA-070205 | S | METERING ROLLER ASSY. Hard (Roller, shaft, e-clips)      |
| X06-108    | — | SEALED BALL BEARING Side Frame (Requires qty. 2)         |
| X06-138    | — | SEALED BALL BEARING Tie Bar lift shaft (Requires qty. 2) |
| X06-103    | — | SEALED BALL BEARING Pan Roller ends (Requires qty. 2)    |

°Dampener has black side frames

\*Large gear driven oscillator must be purchased from Hamada.

### HAMADA 700 / E-47 PARENT 5 ROLL WATER UNIT

After serial #9015-04273 (Parent only) have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |   |
|--------------|---|---|
| X07-0110     | W | FORM ROLLER Soft  |
| X07-0309NS   | R | PAN ROLLER Soft   |
| X07-0409     | T | OSCILLATOR ROLLER Hard  |
| XSA-070210NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)                           |
| XSA-070505   | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pins)                   |
| X06-108      | — | SEALED BALL BEARING Side Frame (Requires qty. 2)  |
| X06-346038   | — | THIN FLANGED BUSHING (Requires qty. 2) // 4 per unit before<br>serial number 9211-08645 |
| X06-103      | — | SEALED BALL BEARING Pivot (Requires qty. 2)   |

### HAMADA 775 / E-47S OLD STYLE SATELLITE 4 ROLL UNIT

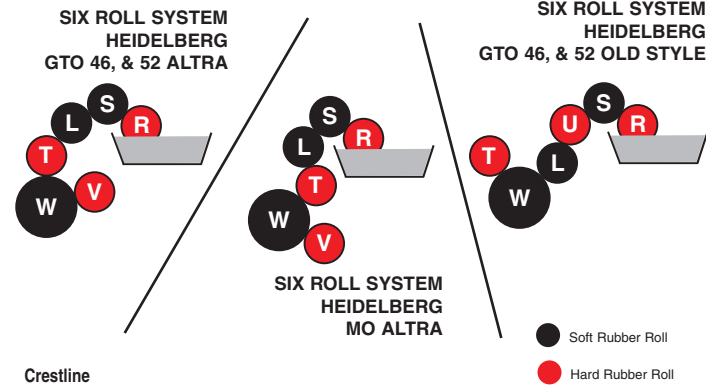
|              |   |  |
|--------------|---|--|
| X07-0114     | W | FORM ROLLER Soft   |
| X07-0313NS   | R | PAN ROLLER Soft  |
| X07-0413     | T | OSCILLATOR ROLLER Hard   |
| XSA-070214NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, e-clips)                                  |
| X06-108      | — | SEALED BALL BEARING After serial number 9111-08613<br>Side Frame (Requires qty. 4)   |
| X06-346038   | — | THIN FLANGED BUSHING Before serial number 9111-08613<br>Side Frame (Requires qty. 4) |

### HAMADA 775 / E-47S NEW STYLE SATELLITE 4 ROLL UNIT

|            |   |  |
|------------|---|--|
| X07-0142   | W | FORM ROLLER Soft   |
| XSA-070349 | R | PAN ROLLER Soft  |
| X07-0438   | T | OSCILLATOR ROLLER Hard                                   |
| XSA-070206 | S | METERING ROLLER ASSY. Hard (Roller, shaft, e-clips)      |
| X06-108    | — | SEALED BALL BEARING Side Frame (Requires qty. 2)         |
| X06-138    | — | SEALED BALL BEARING Tie Bar lift shaft (Requires qty. 2) |
| X06-103    | — | SEALED BALL BEARING End of Pan Roller (Requires qty. 2)  |

# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for HEIDELBERG



Crestline  
Cat. No.      Key      Description

### HEIDELBERG GTO 46 OLD STYLE 6 ROLL WATER UNIT

|            |   |   |
|------------|---|---|
| XSA-070140 | W | FORM ROLLER ASSY. Soft (Roller gears keys)                            |
| X07-0316   | R | PAN ROLLER Hard   |
| X07-0416   | T | OSCILLATOR ROLLER Hard  |
| XSA-070217 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings collars)          |
| XSA-070510 | L | LOWER INTERMEDIATE Hard (Roller, shaft, bearings, collars, roll pins) |
| XSA-070511 | U | UPPER INTERMEDIATE Soft (Roller, shaft, bearings, collars, roll pins) |
| X06-107    | — | SEALED BALL BEARING Form & Pan Rollers                                |

### HEIDELBERG GTO 46 ALTRA 6 ROLL WATER UNIT

|               |   |   |
|---------------|---|---|
| X07-0131      | W | FORM ROLLER ASSY. Soft  |
| X07-0316      | R | PAN ROLLER Hard   |
| X07-0427      | T | OSCILLATOR ROLLER Hard  |
| XSA-070217OSC | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings collars)    |
| XSA-070511OSC | L | INTERMEDIATE Soft (Roller, shaft, bearings, collars, roll pins) |
| XSA-070611    | V | AUX RIDER Hard  |
| X06-107       | — | SEALED BALL BEARING Form & Pan Rollers                          |

### HEIDELBERG GTO 52 OLD STYLE 6 ROLL WATER UNIT

|            |   |   |
|------------|---|---|
| XSA-070141 | W | FORM ROLLER ASSY. Soft (Roller gears keys)                            |
| X07-0320   | R | PAN ROLLER Hard   |
| X07-0419   | T | OSCILLATOR ROLLER Hard  |
| XSA-070220 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings collars)          |
| XSA-070516 | L | LOWER INTERMEDIATE Hard (Roller, shaft, bearings, collars, roll pins) |
| XSA-070515 | U | UPPER INTERMEDIATE Soft (Roller, shaft, bearings, collars, roll pins) |
| X06-107    | — | SEALED BALL BEARING Form & Pan Rollers                                |

### HEIDELBERG GTO 52 ALTRA 6 ROLL WATER UNIT

|               |   |   |
|---------------|---|---|
| X07-0130      | W | FORM ROLLER Soft  |
| X07-0320      | R | PAN ROLLER Hard   |
| X07-0426      | T | OSCILLATOR ROLLER Hard  |
| XSA-070220OSC | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings snap rings) |
| XSA-070515OSC | L | INTERMEDIATE Soft (Roller, shaft, bearings, collars, roll pins) |
| XSA-070612    | V | AUX RIDER Hard  |
| XSA-070441    | — | AUX RIDER KIT (Bracket & spring assembly)                       |

Special Notation!!! These part numbers apply to all models with serial number 9302-09604 and higher except as follows:

|                          |                          |
|--------------------------|--------------------------|
| 9303-09553               | 9303-09642 to 9303-09645 |
| 9303-09804 to 9303-09807 | 9306-10605               |
| 9306-10606               | 9307-10864               |

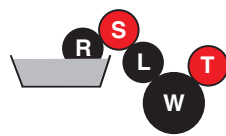
### HEIDELBERG MO ALTRA 6 ROLL WATER UNIT

|          |   |  |
|----------|---|--|
| X07-0137 | W | FORM ROLLER, Soft  |
| X07-0339 | R | PAN ROLLER Hard  |
| X07-0433 | T | OSCILLATOR ROLLER Hard   |
| X07-0236 | S | METERING ROLLER Soft   |
| X07-0534 | L | INTERMEDIATE Soft  |
| X07-0609 | J | BRIDGE ROLLER Hard (Roller, shaft, bearings, collars, roll pins) |
| X06-101  | — | SEALED BALL BEARING Metering, Intermediate & Bridge rollers      |
| X06-113  | — | SEALED BALL BEARING Form roller                                  |

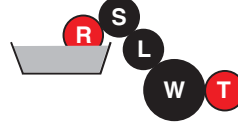
# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for MULTILITH, & TOKO

FIVE ROLL SYSTEM  
MULTI1250, 1360,  
1650,1850, & 1960



FIVE ROLL SYSTEM  
MULTI 1218, & TOKO 4700



● Soft Rubber Roll

● Hard Rubber Roll

Crestline  
Cat. No.

Key

Description

### MULTI 1250 SINGLE & DUAL LEVER 5 ROLL WATER UNIT

After serial #9108-04806 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0112     | W | FORM ROLLER Soft (with set collar)   |
| X07-0311NS   | R | PAN ROLLER Soft (with set collar)  |
| X07-0411     | T | OSCILLATOR ROLLER Hard   |
| XSA-070212NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, clips bearings, collars)                  |
| XSA-070507   | L | INTERMEDIATE ASSY.Soft (Roller, shaft, clips, collars, roll pins)                    |
| X06-108      | — | SEALED BALL BEARING (After serial number 9206-07319)<br>Side Frame (Requires qty. 4) |
| X06-346038   | — | THIN FLANGED BUSHING Before serial number 9206-07319<br>Side Frame (Requires qty. 4) |

### MULTI 1360/1650 5 ROLL WATER UNIT

All units have a soft Pan, and a hard Metering.  
Units with old style rollers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0115A    | W | FORM ROLLER Soft   |
| X07-0314NS   | R | PAN ROLLER Soft  |
| X07-0414A    | T | OSCILLATOR ROLLER Hard   |
| XSA-070215NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, clips, collars)                             |
| XSA-070508A  | L | INTERMEDIATE ASSY.Soft (Roller, shaft, clips, collars, roll pins)                      |
| X06-108      | — | SEALED BALL BEARING (After serial number 9206-07319)<br>Side Frame (Requires qty. 4)   |
| X06-346038   | — | THIN FLANGED BUSHING (Before serial number 9206-07319)<br>Side Frame (Requires qty. 4) |

### MULTI 1850 5 ROLL WATER UNIT

|              |   |  |
|--------------|---|--|
| X07-0110     | W | FORM ROLLER Soft   |
| X07-0309NS   | R | PAN ROLLER Soft  |
| X07-0409     | T | OSCILLATOR ROLLER Hard   |
| XSA-070210NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)                          |
| XSA-070505   | L | INTERMEDIATE ASSY.Soft (Roller, shaft, bearings, collars, roll pins)                   |
| X06-108      | — | SEALED BALL BEARING (After serial number 9211-08645)<br>Side Frame (Requires qty. 2)   |
| X06-246038   | — | THIN FLANGED BUSHING (After serial number 9211-08645)<br>Side Frame (Requires qty. 2)  |
| X06-246038   | — | THIN FLANGED BUSHING (Before serial number 9211-08645)<br>Side Frame (Requires qty. 4) |

### MULTI 1960 5 ROLL WATER UNIT

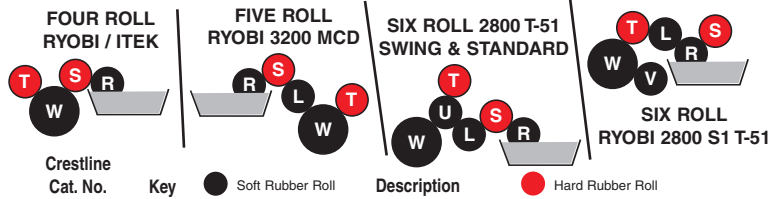
|              |   |  |
|--------------|---|--|
| X07-0110     | W | FORM ROLLER Soft   |
| X07-0309NS   | R | PAN ROLLER Soft  |
| X07-0409     | T | OSCILLATOR ROLLER Hard   |
| XSA-070210NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)        |
| XSA-070505   | L | INTERMEDIATE ASSY.Soft (Roller, shaft, bearings, collars, roll pins) |
| X06-108      | — | SEALED BALL BEARING Side Frame (Requires qty. 4)                     |

### MULTI 1218 / TOKO 4700 5 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0111   | W | FORM ROLLER Soft   |
| X07-0310   | R | PAN ROLLER Hard  |
| X07-0415   | T | OSCILLATOR ROLLER Hard   |
| XSA-070211 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, collars)                        |
| XSA-070506 | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pins)                |
| X06-108    | — | SEALED BALL BEARING (After serial number 9304-09982)<br>Side Frame (Requires qty. 4) |
| X06-346038 | — | THIN FLANGED BUSHING Before serial number 9304-09982<br>Side Frame (Requires qty. 4) |
| X06-324031 | — | FLANGED BUSHING (Requires qty. 2)  |
| X06-103    | — | SEALED BALL BEARING Pivot (Requires qty. 2)  |

# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for RYOBI / ITEK, & T51



### RYOBI 2700 / 2800 ITEK 950 / 960 4 ROLL WATER UNIT

After serial #9008-02409 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

| Cat. No.     | Key | Description  |
|--------------|-----|--|
| X07-0102     | W   | FORM ROLLER Soft   |
| X07-0301NS   | R   | PAN ROLLER Soft  |
| X07-0401     | T   | OSCILLATOR ROLLER Hard   |
| XSA-070201NS | S   | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, sleeves)                        |
| X06-108      | —   | SEALED BALL BEARING After serial number 9212-0895<br>Side Frame (Requires qty. 4)    |
| X06-346038   | —   | THIN FLANGED BUSHING Before serial number 9304-10195<br>Side Frame (Requires qty. 4) |

### RYOBI 2800 T-51 STATIONARY T HEAD 6 ROLL WATER UNIT

|              |   |   |
|--------------|---|---|
| X07-51113    | W | FORM ROLLER ASSY. Soft  |
| X07-0323NS   | R | PAN ROLLER Soft   |
| X07-0401     | T | OSCILLATOR ROLLER Hard  |
| XSA-070221NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, collars, roll pin) |
| X07-51120    | L | LOWER INTERMEDIATE Soft                                       |
| XSA-070518   | U | UPPER INTERMEDIATE Soft (Roller, shaft, collars)              |

### RYOBI 2800 T-51 SWING-AWAY T HEAD 6 ROLL WATER UNIT

|              |   |   |
|--------------|---|---|
| X07-51113    | W | FORM ROLLER ASSY. Soft  |
| X07-0323NS   | R | PAN ROLLER Soft   |
| X07-0401     | T | OSCILLATOR ROLLER Hard  |
| XSA-070221NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, collars, roll pin) |
| X07-51120    | L | LOWER INTERMEDIATE Soft                                       |
| XSA-070518SW | U | UPPER INTERMEDIATE Soft (Roller, shaft, collars)              |

### RYOBI 2800 S1 T HEAD 6 ROLL WATER UNIT

|           |   |  |
|-----------|---|--|
| X07-0161  | W | FORM ROLLER Soft   |
| X07-0365  | R | PAN ROLLER Soft  |
| X07-0460  | T | OSCILLATOR ROLLER Hard                                       |
| XSA-07023 | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings sleeves) |
| XSA-07021 | L | INTERMEDIATE ASSY. Hard                                      |
| XSA-07022 | V | RIDER ROLLER ASSY. Soft                                      |
| X06-107   | — | SEALED BALL BEARING Side Frame                               |

### RYOBI 3200 / ITEK 975 4 ROLL WATER UNIT

After serial #9008-02468 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0103     | W | FORM ROLLER Soft   |
| X07-0302NS   | R | PAN ROLLER Soft  |
| X07-0402     | T | OSCILLATOR ROLLER Hard   |
| XSA-070202NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings sleeves)                         |
| X06-108      | — | SEALED BALL BEARING (After serial number 9212-08950)<br>Side Frame (Requires qty. 4) |
| X06-346038   | — | THIN FLANGED BUSHING Before serial number 9304-08950<br>Side Frame (Requires qty. 4) |

### RYOBI 3200E 4 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0106   | W | FORM ROLLER, Soft                                      |
| X07-0352   | R | PAN ROLLER Soft  |
| X07-0403   | T | OSCILLATOR ROLLER Hard                                 |
| XSA-070243 | S | METERING ROLLER Hard (Roller, shaft, bearings sleeves) |
| X06-108    | — | SEALED BALL BEARING Side Frame (Requires qty. 4)       |

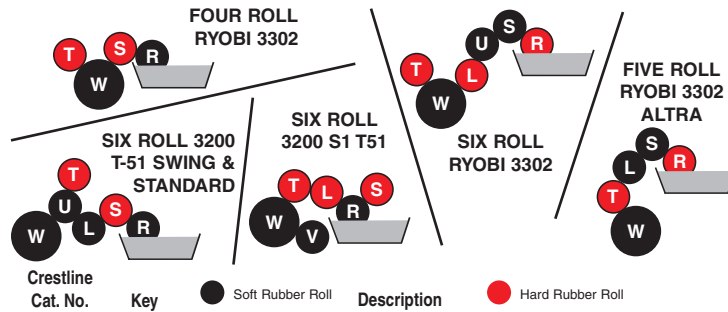
### RYOBI 3200 MCD / ITEK 985 5 ROLL WATER UNIT

After serial #9010-02735 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |   |
|--------------|---|---|
| X07-0106     | W | FORM ROLLER Soft  |
| XSA-070305NS | R | PAN ROLLER Soft   |
| X07-0405     | T | OSCILLATOR ROLLER Hard  |
| XSA-070208NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)                       |
| XSA-070501NS | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pins)               |
| X06-108      | — | SEALED BALL BEARING (After serial number 9301-0000)<br>Side Frame (Requires qty. 4) |
| X06-346038   | — | THIN FLANGED BUSHING Before serial number 9301-0000<br>Side Frame (Requires qty. 4) |

# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for RYOBI



### RYOBI 3200 / 3200MCD T-51 STATIONARY 6 ROLL WATER UNIT

|                |   |  |
|----------------|---|--|
| X07-51713      | W | FORM ROLLER Soft   |
| X07-0325NS     | R | PAN ROLLER Soft  |
| X07-0403       | T | OSCILLATOR ROLLER Hard   |
| XSA-070222NS32 | S | METERING ROLLER ASSY. Hard (Roller, shaft, collars, roll pins) |
| X07-51720      | L | LOWER INTERMEDIATE Soft  |
| XSA-070520     | U | UPPER INTERMEDIATE ASSY. Soft (Roller, shaft, collars)         |

### RYOBI 3200 / 3200MCD T-51 SWING-AWAY 6 ROLL WATER UNIT

|                |   |  |
|----------------|---|--|
| X07-51713      | W | FORM ROLLER Soft   |
| X07-0325NS     | R | PAN ROLLER Soft  |
| X07-0403       | T | OSCILLATOR ROLLER Hard   |
| XSA-070222NS32 | S | METERING ROLLER ASSY. Hard (Roller, shaft, collars, roll pins) |
| X07-51720      | L | LOWER INTERMEDIATE Soft  |
| XSA-070520SW   | U | UPPER INTERMEDIATE ASSY. Soft (Roller, shaft, collars)         |

### RYOBI 3200 S1 T HEAD 6 ROLL WATER UNIT

|            |   |   |
|------------|---|---|
| X07-0153   | W | FORM ROLLER Soft  |
| X07-0361   | R | PAN ROLLER Soft   |
| X07-0455   | T | OSCILLATOR ROLLER Hard  |
| XSA-07009  | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, sleeves)                         |
| XSA-07008  | L | INTERMEDIATE ASSY. Hard   |
| XSA-07007  | V | RIDER ROLLER ASSY. Soft   |
| X06-107    | — | SEALED BALL BEARING Side Frame  |
| X06-246038 | — | THIN FLANGED BUSHING (After serial number 9211-08645)<br>Side Frame (Requires qty. 2) |

### RYOBI 3302M 4 ROLL WATER UNIT

After serial #9006-02079 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0105     | W | FORM ROLLER Soft   |
| X07-0304NS   | R | PAN ROLLER Soft  |
| X07-0404     | T | OSCILLATOR ROLLER Hard   |
| XSA-070204NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)    |
| X06-108      | — | SEALED BALL BEARING for replacement Side Frames (Requires 4)     |
| X06-346038   | — | THIN FLANGED BUSHING for original equip. Side Frame (Requires 4) |

### RYOBI 3302M 6 ROLL WATER UNIT

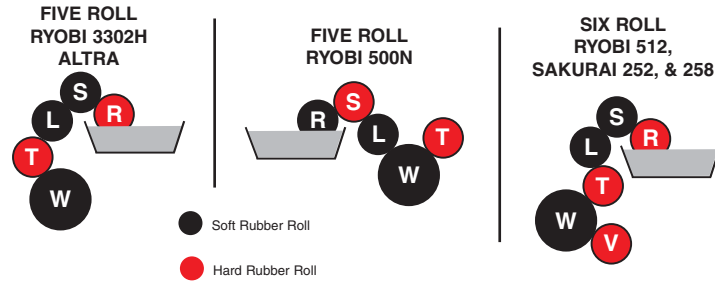
|            |   |  |
|------------|---|--|
| X07-0105   | W | FORM ROLLER Soft   |
| X07-0321   | R | PAN ROLLER Hard  |
| X07-0404   | T | OSCILLATOR ROLLER Hard   |
| XSA-070219 | S | METERING ROLLER ASSY. Soft (Roller, shaft, washers, collars)                           |
| XSA-070512 | L | LOWER INTERMEDIATE ASSY. Hard (Roller, shaft, bearings, collars, roll pin)             |
| XSA-070513 | U | UPPER INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pin)             |
| X06-108    | — | SEALED BALL BEARING (After serial number 9209-08127)<br>Side Frame (Requires qty. 4)   |
| X06-346038 | — | THIN FLANGED BUSHING (Before serial number 9209-08127)<br>Side Frame (Requires qty. 4) |

### RYOBI 3302M ALTRA SERIES 5 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0135   | W | FORM ROLLER Soft   |
| XSA-070338 | R | PAN ROLLER Hard (with X06-013)                                   |
| XSA-070431 | T | OSCILLATOR ROLLER Hard   |
| XSA-070257 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, snap rings) |
| XSA-07006  | L | INTERMEDIATE ASSY. Soft (Roller, tie bar, bearings, collars)     |
| X06-108    | — | SEALED BALL BEARING Side Frame (Requires qty. 2)                 |
| X06-130    | — | SEALED BALL BEARING Pan Roller (Requires qty. 2)                 |
| X06-103    | — | SEALED BALL BEARING Internal Metering (Requires qty. 2)          |

# CRESTLINE PARTS

## ORIGINAL CRESTLINE PARTS for RYOBI & SAKURAI



Crestline  
Cat. No. Key Description

### RYOBI 3302H ALTRA SERIES 5 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0168   | W | FORM ROLLER Soft   |
| XSA-070338 | R | PAN ROLLER Hard (with X06-013)                                   |
| X07-0467   | T | OSCILLATOR ROLLER Hard   |
| XSA-070257 | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, snap rings) |
| XSA-07006  | L | INTERMEDIATE ASSY. Soft (Roller, tie bar, bearings, collars)     |
| X06-108    | — | SEALED BALL BEARING Side Frame (Requires qty. 2)                 |
| X06-130    | — | SEALED BALL BEARING Pan Roller (Requires qty. 2)                 |
| X06-103    | — | SEALED BALL BEARING Internal Metering (Requires qty. 2)          |

### RYOBI 500N 5 ROLL WATER UNIT

After serial #9110-05373 all units have a soft Pan, and a hard Metering.  
Units with earlier serial numbers must be upgraded

|              |   |  |
|--------------|---|--|
| X07-0108     | W | FORM ROLLER ASSY. Soft   |
| X07-0307NS   | R | PAN ROLLER Soft  |
| X07-0407     | T | OSCILLATOR ROLLER Hard   |
| XSA-070207NS | S | METERING ROLLER ASSY. Hard (Roller, shaft, bearings, collars)                          |
| XSA-070503   | L | INTERMEDIATE ASSY. Soft (Roller, shaft, bearings, collars, roll pin)                   |
| X06-108      | — | SEALED BALL BEARING (After serial number 9211-08645)<br>Side Frame (Requires qty. 4)   |
| X06-346038   | — | THIN FLANGED BUSHING (Before serial number 9211-08645)<br>Side Frame (Requires qty. 4) |

### RYOBI 512 ALTRA 6 ROLL WATER UNIT

|            |   |  |
|------------|---|--|
| X07-0138   | W | FORM ROLLER ASSY. Soft   |
| XSA-070347 | R | PAN ROLLER Hard (with X06-101)                                   |
| X07-0435   | T | OSCILLATOR ROLLER Hard   |
| XSA-07005  | S | METERING ROLLER ASSY. Soft (Roller, shaft, bearings, snap rings) |
| XSA-070535 | L | INTERMEDIATE ASSY. Soft (Roller, tie bar, bearings, washers)     |
| XSA-070607 | V | RIDER ROLLER ASSY. (Roller, shaft, bearings, collars, bushings)  |
| X06-101    | — | SEALED BALL BEARING Pan Roller                                   |
| X06-120    | — | SEALED BALL BEARING Side Frame                                   |

### SAKURAI 252 6 ROLL WATER UNIT

|            |   |                                      |
|------------|---|--------------------------------------|
| X07-0149   | W | FORM ROLLER Soft                     |
| XSA-070357 | R | PAN ROLLER Hard (with X06-112)       |
| X07-0451   | T | OSCILLATOR ROLLER Hard               |
| X07-0245   | S | METERING ROLLER Soft                 |
| X07-0540   | L | INTERMEDIATE ROLLER Soft             |
| X07-0608   | V | RIDER ROLLER Hard                    |
| X06-115    | — | SEALED BALL BEARING Side Frame       |
| X06-112    | — | SEALED BALL BEARING Pan Shaft        |
| X06-115    | — | SEALED BALL BEARING Form Drive Shaft |

### SAKURAI 258 6 ROLL WATER UNIT

|            |   |                                      |
|------------|---|--------------------------------------|
| X07-0127   | W | FORM ROLLER Soft                     |
| XSA-070327 | R | PAN ROLLER Hard (with X06-112)       |
| X07-0424   | T | OSCILLATOR ROLLER Hard               |
| X07-0224   | S | METERING ROLLER Soft                 |
| X07-0526   | L | INTERMEDIATE ROLLER Soft             |
| X07-0605   | V | AUX. RIDER ROLLER Hard               |
| X06-115    | — | SEALED BALL BEARING Side Frame       |
| X06-112    | — | SEALED BALL BEARING Pan Shaft        |
| X06-113    | — | SEALED BALL BEARING Form Drive Shaft |

# POWDER PRO, TEMPEST, & WATERBOY

POWDER PRO & TEMPEST UNITS FOR A.B.DICK,  
HAMADA, HEIDELBERG, & RYOBI

WATERBOY PLUS CIRCULATION SYSTEM



Powder Pro



Tempest



Waterboy

| Powder Pro<br>Part No.                  | Description  |
|---|--|
| <b>POWDER PRO for A.B.DICK</b>          |  |
| AGPPSRY332                              | A.B. DICK 9985 / 9995  |
| <b>POWDER PRO for HAMADA</b>            |  |
| AGPPSHM234                              | HAMADA 234   |
| AGPPSHM234A                             | HAMADA 234A  |
| AGPPSHMC248                             | HAMADA C248 / C252   |
| AGPPSHME47NS                            | HAMADA E47   |
| <b>POWDER PRO for HEIDELBERG</b>        |  |
| AGPPSQM46                               | HEIDELBERG QUICKMASTER (not a DI unit, 1 or 2 color)                             |
| <b>POWDER PRO for RYOBI</b>             |  |
| AGPPSRY280                              | RYOBI 2800   |
| AGPPSRY320                              | RYOBI 3200 / 3200MCD   |
| AGPPSRY3302H                            | RYOBI 3302H  |
| AGPPSRY332                              | RYOBI 3302M  |
| AGPPSRY3304                             | RYOBI 3304   |
| Tempest<br>Part No.                     | Description  |
| <b>TEMPEST for A.B.DICK</b>             |  |
| AGTEMP3302NS                            | A.B. DICK 9985 / 9995  |
| <b>TEMPEST for HAMADA</b>               |  |
| AGTEMPHM234A                            | HAMADA 234A  |
| AGTEMPHM234NS                           | HAMADA H234  |
| AGTEMPC248                              | HAMADA C248  |
| AGTEMPC252                              | HAMADA C252  |
| <b>TEMPEST for HEIDELBERG</b>           |  |
| AGTEMPQM46NS                            | HEIDELBERG QUICKMASTER 46 (not DI unit, 1 or 2 color)<br>(DI available as combo) |
| <b>TEMPEST for RYOBI</b>                |  |
| AGTEMP2800NS                            | RYOBI 2800   |
| AGTEMP3200NS                            | RYOBI 3200 NS  |
| AGTEMP3300                              | RYOBI 3300CR   |
| AGTEMP3302NS                            | RYOBI 3302M  |
| AGTEMP3302H                             | RYOBI 3302H  |
| AGTEMP3304NS                            | RYOBI 3304   |
| AGTEMPRY512NS                           | RYOBI 512  |
| AGTEMPRY522                             | RYOBI 522 / 524  |
| AGTEMPRY522HE                           | RYOBI 522HE / 524HE  |
| AGTEMPRY522HX                           | RYOBI 522HX / 524HX  |
| <b>POWDER PRO &amp; TEMPEST COMBO</b>   |  |
| AGCOMBHMB452                            | HAMADA B452  |
| AGCOMBQM46DI                            | HEIDELBERG QM 46DI   |
| Waterboy<br>Part No.                    | Description  |
| <b>WATERBOY PLUS CIRCULATION SYSTEM</b> |  |
| AGCRN05XX3012                           | 2 COLOR PRESSES ONLY   |
| XSA-HM234PANKIT                         | PAN KIT for HAMADA 234   |
| XSA-3302PANKIT                          | PAN KIT for RYOBI 3302   |

# CRESTLINE DAHLGREN PARTS

## ORIGINAL DAHLGREN ROLLERS and PARTS for: A.B. DICK, HAMADA, HEIDELBERG, MULTI, RYOBI, & TOKO

| Dahlgren<br>Part No. | Description                                       |
|----------------------|---|
| 60080100-00          | FORM ROLL RY2800 (RUBBER)                         |
| 60080102-00          | FORM ROLL AB375 (RUBBER)                          |
| 60080114-00          | FORM ROLL AB DICK 385                             |
| 60080137-00          | FORM ROLLER AB3985C, RY 3302M (RUBBER)            |
| 60090139-00          | TRANS.ROLL AB3985C (RUBBER)                       |
| 60090139W-00         | TRANSFER ROLLER - RYOBI 3302                      |
| 60100106-00          | METER ROLL AB375 (RUBBER)                         |
| 60100114-00          | METER ROLL AB385 (RUBBER)                         |
| 60100136-00          | TRANS. ROLL 9800C (RUBBER)                        |
| 60290102-43          | CLUTCH GEAR (43T)                                 |
| 60300100-26          | T.R. GEAR (26T) (ALL)                             |
| 60300100-38          | M.R. GEAR (38T) (ALL)                             |
| 60330101-18          | M.R. DRIVE GEAR (18T) (ALL)                       |
| 60330103-19          | F.R. DRIVE GEAR (19T) AB/RY                       |
| 60330105-01          | MOTOR HUB GEAR BOSTON G1044                       |
| 60330118-19          | F.R. DRIVE GEAR,METRIC "B" RY                     |
| 60330121-01          | CLUTCH GEAR AB3985C (54T)                         |
| 60350100-01          | CLUSTER GEAR - 15T x 19T                          |
| 60350104-01          | CLUSTER GEAR "A" (18T x 19T)                      |
| 60550253-01          | FOLLOWER, 3985 / 3302                             |
| 60710135-01          | FOLLOWER, FLAT TOP                                |
| 60710141-01          | CAM, OSCILLATOR                                   |
| 60710142-01          | FOLLOWER, ROUND TOP                               |
| 60710146-10          | OSC. ROLL AB375                                   |
| 60710189-10          | OSC. ROLL AB3985C-11                              |
| 60710279-01          | FOLLOWER, BEARING TOP STYLE                       |
| 92000460-00          | BEARING, BALL SKF 6000-2RS                        |
| 92100710-05          | BUSHING, BRONZE (BOSTON B710-5)                   |
| 92130068-06          | BUSHING, BOSTON ONLY, FB68-6                      |
| 92130068-08          | BUSHING, BOSTON ONLY FB-68-8                      |
| 92210003-05          | CLUTCH (KK-17/ZZ-6203M)                           |
| 94400011-10          | MOTOR, BALDOR SPEC. # 30532-A or 23A471Z208G1     |
| 94410002-15          | CONTROL - 240V MINARIK SQ216U                     |
| 94410002-16          | CONTROL - 120V RD16U MINARIK                      |
| 96001139-45          | BALL PLUNGER 1/4-20                               |
| 96060103-08          | ROLL PIN 3/32 x 1/2 LG.                           |
| 96060103-12          | ROLL PIN 3/32 X 3/4 LG.                           |
| 96060104-11          | ROLL PIN 1/8 x 11/16 OSC.                         |
| 96099999-50          | SPRING, EXTENSION #682                            |
| 96100121-03          | SPRING LEE #LC-042C-3                             |
| 96100121-09          | COMPRESSION SPRING LC 042C-5                      |
| 96100140-01          | SPRING, LEE LC-042G-1-M                           |
| 97990100-01          | MOTOR BRUSH (FITS BALDOR MOTOR 30532) (BP5066P01) |
| 97990100-02          | MOTOR WORM GEAR BALDOR BWM 1836                   |
| 97990100-05          | MOTOR BRUSH (FITS BALDOR MOTOR 23A471Z208G1)      |
| 97990100-15          | GEAR W/ SHAFT ASSY. BGS 00663                     |