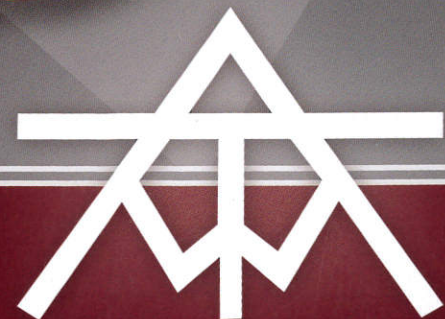


AWT Advanced Wear Technologies LLC



PO Box 266101 • Houston, TX 77207 • 713.481.6710

AdvancedWearTechnologies.com



EXTREME RESISTANCE PLUS PROTECTION

OUR STORY

○ **A core group** of retired friends in the industry that have been competitors, suppliers, and customers for the past 45 years. David Leach and Willie De Loach each have over 45 years of experience in operations, maintenance, sales, and introducing new products into the market place. We both grew weary of the corporate life and retired a little over a year ago. Old customers and friends have been calling asking for help locating quality parts at a reasonable price. Considering the fact that we have a total of over 90 years' experience we feel we can offer our customers a quality part at the reasonable price they are seeking.

Over the past several years we have been able to make contacts with several manufactures and foundries worldwide. After phone calls discussing the products we were interested in buying and getting some competitive pricing we decided "Why not start something to help our old customers and friends." We have direct factory contacts in China, India, Europe and several other countries and the logistic contacts that make us a nightmare for the OEMs and our aftermarket competitors.

OUR MISSION

○ **Our target** is the mining and heavy construction industry parts supply in the United States, Canada and Mexico. Our plan is to start small and work on growing a small and financially sound business. We have all been part of large national and international businesses and feel that we know how to develop a sound and significant business. Our plan is to offer adapters and teeth for loaders and excavator buckets, rigging parts for the smaller dragline buckets, and other items as the customer requirements warrant.

We have a patented hammerless tooth system for the Hendrix dragline buckets and are developing Front End Loader adapters and teeth using this system. During our discussions with some foundries we discovered Wanxin, one of the leading foundries in China had developed a one piece cast bucket for some of the smaller excavators. This concept looked like a project that could be turned into a very good product for AWT, LLC. Wanxin was looking for a company to expand their sales and after reaching an agreement for distribution rights and a few engineering changes we are now the exclusive distributor for the AWT / Wanxin bucket in North America.



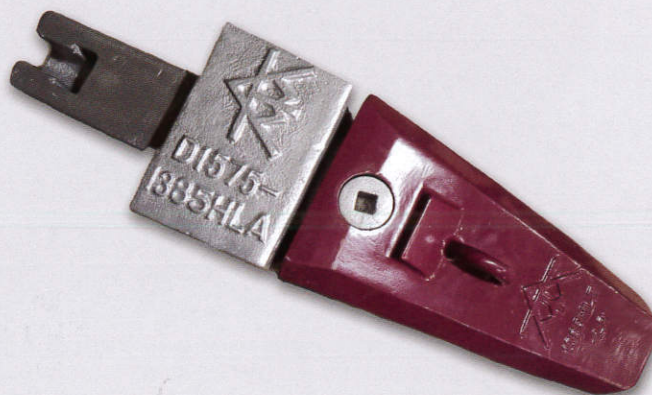
AWT ALL CAST SYSTEM

AWT's "All Cast" excavator buckets for CAT, DEERE, Komatsu, Hitachi and other machine manufacturers. The bucket will perform in the most severe conditions and keep on ticking. Each bucket has replaceable manganese pin bushings and can be adapted to fit various machine makes and models by changing the bushings. Buckets are offered with various adapters and tooth combinations.

PAGES 2-3

AWT HAMMERLESS SYSTEM

The AWT Hammerless system offers the customer the ease of quick changes for teeth, longer tooth life and safety due to not having to use a hammer to remove the keeper. Available for Hendrix style buckets up to 35 to 40 cu.yd. Other sizes under development. This patented system has proven to outperform other systems on the market.



PAGE 4



AWT WEAR SYSTEMS

AWT Wear Systems combine a number of metallurgical properties into one unique wear resistant material which today has been widely used in most abrasive wear applications. AWT Wear Systems are an extremely hard laminated bi-metallic, wear resistant composite, which has a nominal hardness of 700 BHN (HRC 63) minimum.

PAGES 6-12



ALL CAST ONE PIECE
BUCKET DESIGN

REVERSABLE
VERTICAL
SHROUDS

CAST
HORIZONTAL
WEAR STRIPS

UNIQUE PRODUCT DESIGN

NOTES:

- 2 to 3 times tensile strength than fabricated bucket
- All Alloy Construction
- Minimum maintenance
- Long life components & materials



MULTIPLE LIP PROTECTION
SYSTEMS



AWT's "All Cast" excavator buckets for CAT, DEERE, Komatsu, Hitachi and other machine manufacturers. The bucket will perform in the most severe conditions and keep on ticking. Each bucket has replaceable manganese pin bushings and can be adapted to fit various machine makes and models by changing the bushings. Buckets are offered with various adapters and tooth combinations.

NOTES:

- 2 to 3 times tensile strength than fabricated rippers
- Minimum maintenance
- Long life components & materials
- Economical alternative for "Drilling and Blasting"
- Easy operation

SOLID ONE
PIECE CASTING



ONE PIECE
SIDE PLATE

BLACK CAT REVELATION
HAMMERLESS SYSTEM



AWT's "All Cast" ripper shanks offer superior performance over conventional fabricated shanks. Under the most extreme conditions the "All Cast" shank has outperformed and outlasted other shanks. The AWT "All Cast" ripper attachment is available for most CAT, DEERE, Komatsu, Hitachi machines as well as adaptable for most other brands.

AWT ALL CAST SYSTEM

AWT Advanced Wear Technologies LLC

AdvancedWearTechnologies.com



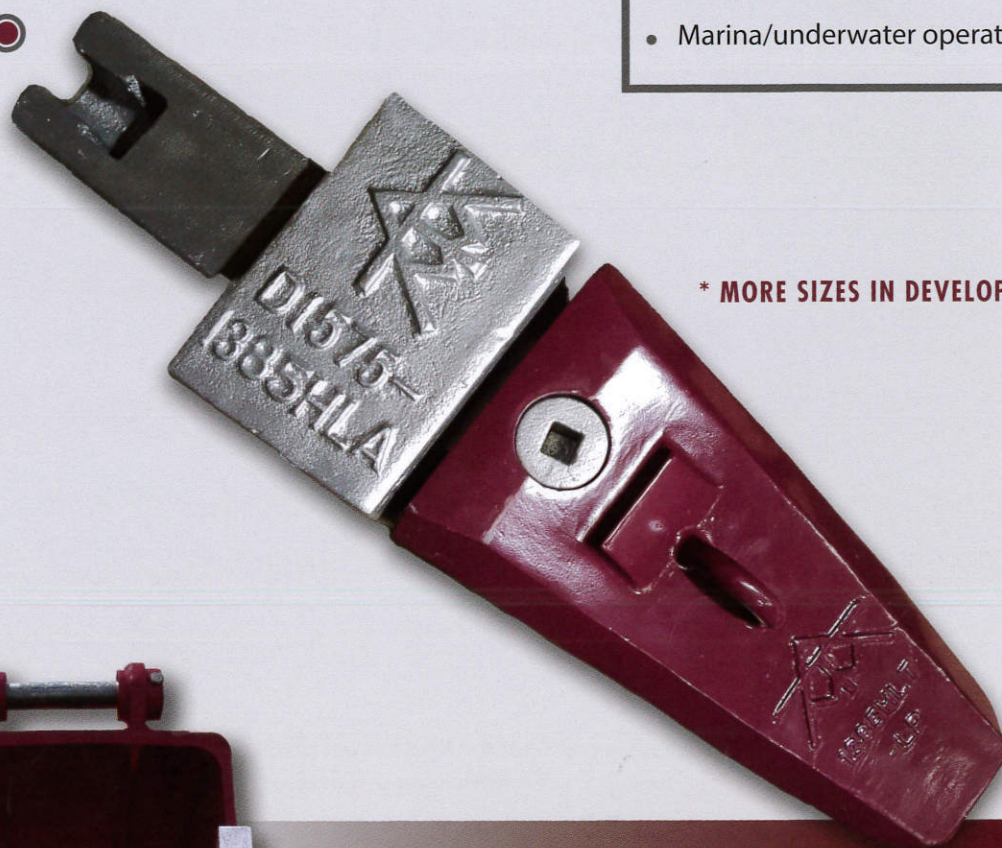
AWT HAMMERLESS TOOTH SYSTEM FOR DRAGLINE BUCKETS



NOTES:

- 2 to 5 times higher production
- Minimum maintenance
- Long life components & materials
- Marina/underwater operation

* MORE SIZES IN DEVELOPMENT



The AWT Hammerless system offers the customer the ease of quick changes for teeth, longer tooth life and safety due to not having to use a hammer to remove the keeper. Available for Hendrix style buckets up to 35 to 40 cu.yd. Other sizes under development. This patented system has proven to outperform other systems on the market



NOTES:

AWT Wear Systems combine a number of metallurgical properties into one unique wear resistant material which today has been widely used in most abrasive wear applications. AWT Wear Systems are an extremely hard laminated bi-metallic, wear resistant composite, which has a nominal hardness of 700 BHN (HRC 63) minimum. It is produced by combining a highly alloyed chromium-molybdenum white iron and metallurgically bonding it to a mild steel backing plate. The bonding possesses high shear strength of over 200 MPa and will not separate. Additional carbides of 1500 HV maximize resistance to abrasion.

The alloy's microstructure is made of primary and secondary chromium carbides which are supported by a hard, finely dispersed Martensitic matrix. The hardness of alloy provides of maximum abrasion resistance, which the steel backing plate acts as a means of absorbing high impacts and allows easy fitting and use.

We know time is money. That is why all our products are designed with the installation process and product performance in mind, which prolongs your equipment life and reduces downtime - all while providing you a low total cost solution.

APPLICATIONS:

- Weld-on Adapters & Wear Caps
- Dragline Bucket Protection
- Shovel Bucket Protection
- Loader Bucket Protection
- Excavator Bucket Protection
- Conveyor Chute Liners
- Feeder Deck Plates
- Quarry & Mining Grizzly Screens
- Gyratory & Jaw Crusher Liners
- Tub Grinders

TECHNICAL SPECIFICATIONS:

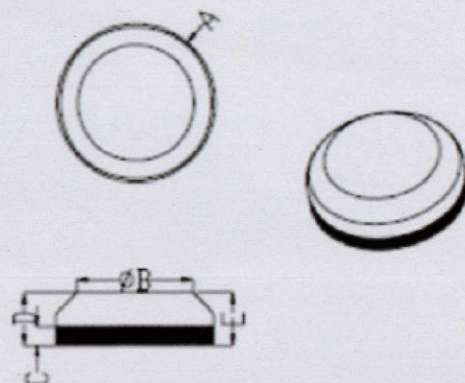
Lamination of chrome moly white iron metallurgically bonded to a mild steel backing plate achieving a high strength joint.

White iron: modified As2027 15/3 Cr Mo with finished minimum hardness of 700 BHN (63 Rc) and containing primary carbides up to 1500HV.



NOTES:

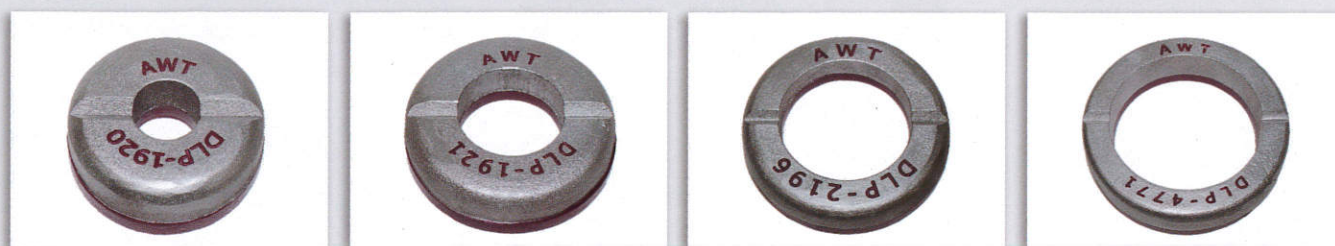
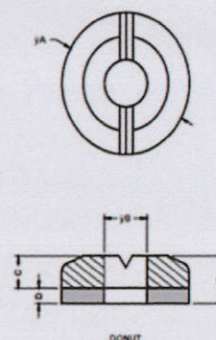
- Wear buttons offer ideal wear resistant material for small areas and require less welding than with conventional wear plates.



PART NUMBER	WEIGHT KG/LB	DIAMETER INCHES	A MM/IN	B MM/IN	C MM/IN	D MM/IN	3 MM/IN
WB60	0.7/1.5	2.4	60/2.4	45/108	10/.4	0.7/1.5	27/1.1
WB75	0.9/2.0	3.0	75/3.0	50/2.0	10/.4	0.9/2.0	27/1.1
WB90	1.8/4.0	3.5	90/3.5	45/1.8	10/.4	1.8/4.0	40/1.6
WB115	3.4/7.5	4.5	115/4.5	90/3.5	3.4/7.5	12/.5	42/1.7
WB150	7.9/17.4	5.9	150/5.9	130/5.1	7.9/17.4	16/.6	56/2.2

NOTES:

- Donut Buttons can be used in areas that require protections for fasteners such as bolt heads and nuts. They also work well for smaller areas where protection is needed.

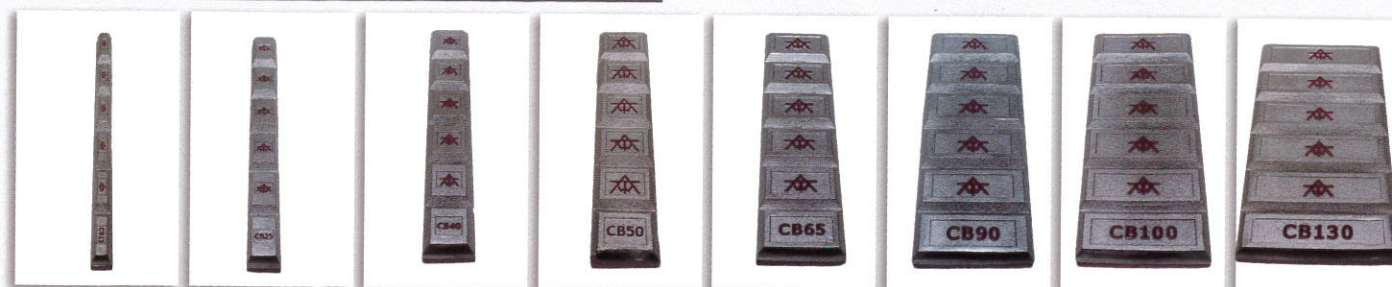


PART NUMBER	WEIGHT KG/LB	DIAMETER INCHES	A MM/IN	B MM/IN	C MM/IN	D MM/IN	3 MM/IN
DLP1920	0.7/1.5	3	75/3.0	25/1.0	17/6.7	8/3	25/1.0
DLP1921	1.1/2.4	3.9	100/3.9	50/2.0	17/7	8/3	25/1.0
DLP1994	1.0/2.2	3.9	100/3.9	70/2.75	24/9	8/3	32/1.3
DLP2196	1.3/2.9	5.1	130/5.1	80/3.2	15/6	8/3	23/9
DLP4771	2.3/5.1	5.8	148/5.8	108/4.25	25/1.0	10/4	35/1.4



NOTES:

- Chocky Bars are the most popular item for replacing Clad Plate and hardfacing. Our bars are notched on the backing plate making it much easier to form over contoured surfaces.

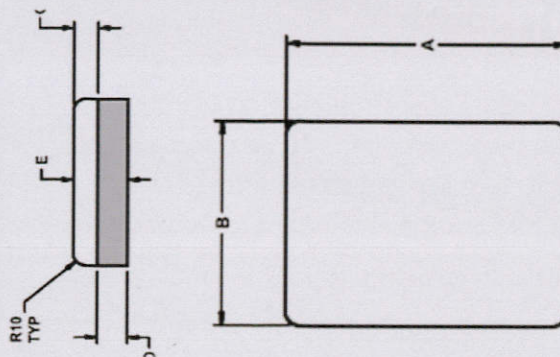


PART NUMBER	WEIGHT KG/LB	DIAMETER INCHES	A MM/IN	B MM/IN	C MM/IN	D MM/IN	3 MM/IN
* CB15	.06/1.3	.6	240/9.5	15/6	15/6	8/3	25/1.0
CB25	0.9/2.0	1.0	240/9.5	25/1.0	15/6	8/3	25/1.0
CB40	1.4/3.1	1.5	240/9.5	38/1.5	15/6	8/3	25/1.0
CB50	1.9/4.2	2.0	240/9.5	50/2.0	15/6	8/3	25/1.0
CB65	2.5/5.5	2.6	240/9.5	65/2.6	15/6	8/3	25/1.0
* CB75	2.9/6.4	3.0	240/9.5	75/3.0	15/6	8/3	25/1.0
CB90	4.2/9.3	3.5	240/9.5	90/3.5	15/6	8/3	25/1.0
CB100	5.2/11.5	3.9	240/9.5	1..3.9	15/6	8/3	25/1.0
CB130	7.0/15.4	5.1	240/9.5	130/5.1	15/6	8/3	25/1.0

new size

NOTES:

- Skid Bars offer superior protection to a larger area and cut down on replacement time. Less welding is required than with conventional wear plate.

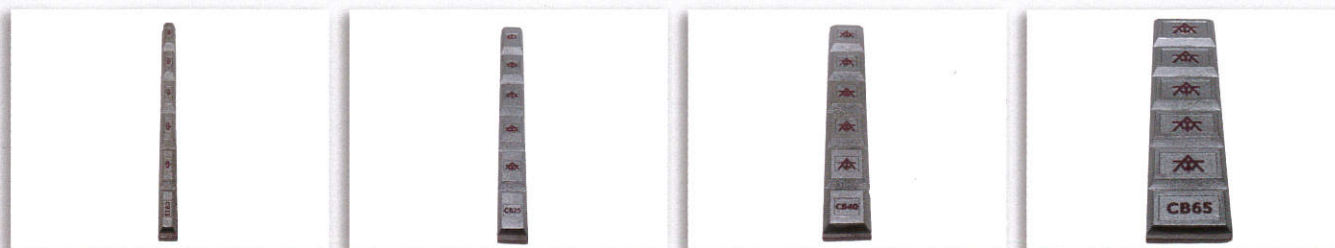
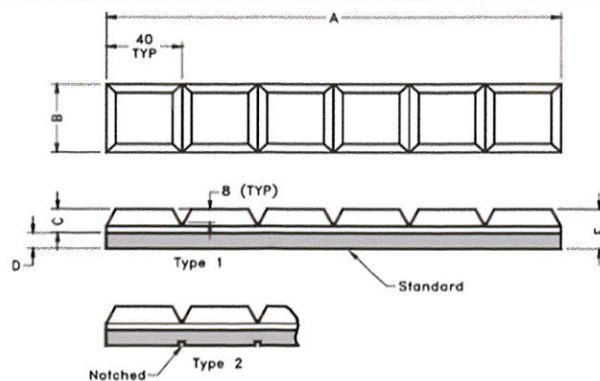


PART NUMBER	WEIGHT KG/LB	DIAMETER INCHES	A MM/IN	B MM/IN	C MM/IN	D MM/IN	3 MM/IN
SB412	10.5/23.2	.	200/7.9	150/5.9	20/.8	25/1.0	45/1.8
SB413	13.1/28.9	.	250/9.8	150/5.9	20/.8	25/1.0	45/1.8
SB414	22.0/48.5	.	250/9.8	250/9.8	20/.8	25/1.0	45/1.8



NOTES:

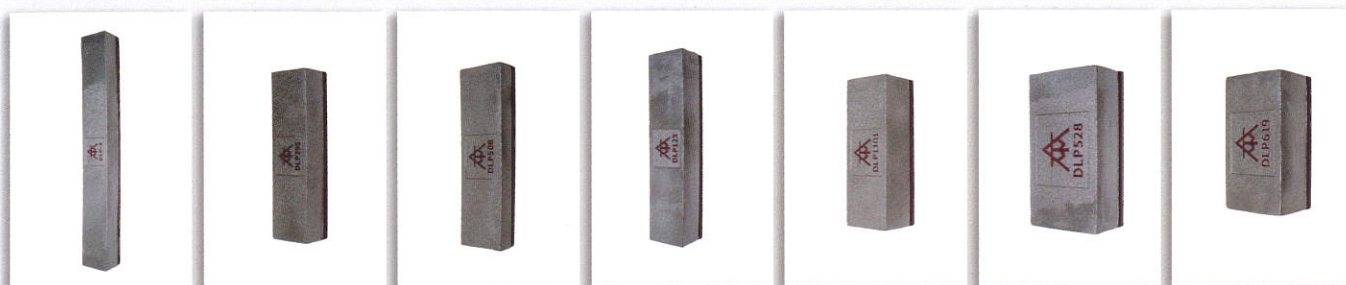
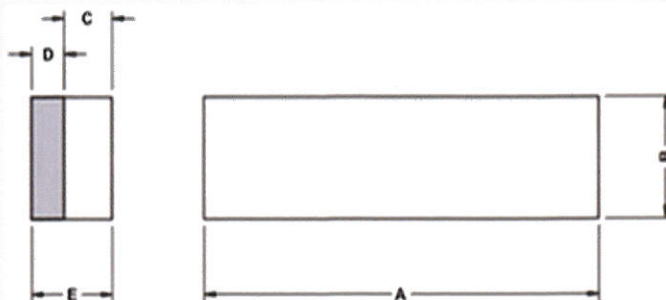
- Wafer Bars offer protection to a larger area than the Chocky Bars. These cover a much larger area but can still be formed to fit couture areas due to our notched backing.
- 4 sized from 60mm to 150mm in diameter.



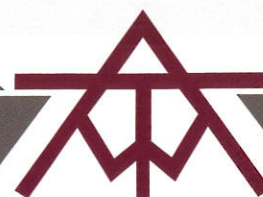
PART NUMBER	WEIGHT KG/LB	DIAMETER INCHES	A MM/IN	B MM/IN	C MM/IN	D MM/IN	3 MM/IN
WS25	.60/1.3	.	240/9.5	25/1.0	6/2	6/2	12/5
WS40	.90/2.0	.	240/9.5	40/1.5	6/2	6/2	12/5
WS50	1.2/2.6	.	240/9.5	50/2.0	6/2	6/2	12/5
WS65	1.6/3.5	.	240/9.5	65/2.6	6/2	6/2	12/5

NOTES:

- Ideal for smaller areas requiring wear resistant material.
- Requires less welding time and material than conventional wear plate.



PART NUMBER	WEIGHT KG/LB	DIAMETER INCHES	A MM/IN	B MM/IN	C MM/IN	D MM/IN	E MM/IN
DLP4	3.0/6.6	.	300/11.7	38.1.5	25/1.0	8/3	33/1.3
DLP295	1.6/3.5	.	153/6.0	38/1.5	25/1.0	8/3	33/1.3
DLP508	2.3/5.1	.	190/7.5	50/2.0	20/8	10/4	30/1.2
DLP125	4.6/10.1	.	230/9.1	50/2.0	38/1.5	12/5	50/2.0
DLP1101	3.0/6.6	.	150/5.9	50/2.0	40/1.5	10/4	50/2.0
DLP528	4.5/9.9	.	150/5.9	75/3.0	40/1.5	10/4	50/2.0
DLP619	5.3/11.7	.	150/5.9	75/3.0	50/1.5	10/4	60/2.4





- All Cast Bucket on a PC200 LE:
- Reversible Vertical Shrouds
- Weld on Lip Protection



- Wide profile for easier loading
- Cast wear bars and wear buttons
- Large cast corner radius adds strength to the bucket.



- Wide profile of bucket allows larger material pieces to be handled
- The All Cast Bucket can be supplied with or without vertical shrouds or lip shrouds.
- It can also be supplied with several adapter and tooth styles.



EXTREME RESISTANCE

PLUS PROTECTION

ASSURANCE OF SUPPLY

LOW TOTAL COST SOLUTION

STRONG PRODUCT QUALITY

CONSISTENT PRODUCT PERFORMANCE

STANDARD AND CUSTOM-MADE PARTS AVAILABLE