



HARDMETALS

Drilling, Construction, Agriculture and Forestry Tooling

Agriculture

Catalogue AG022

Hard Metals Australia is proudly accredited with the following ISO certifications:
ISO 9001: 2015 Quality Management Standard
ISO 14001: 2015 Environmental Management System Standard
ISO 45001: 2018 Health and Safety Management System

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STOCK CODES

- Stock codes detail the availability of products.
- Each product in this catalogue has a code.
- All codes are subject to change over time and are shown only as a guide.

Code	Description
0	Phase Out Product May have remaining stock
1	Stocked Product Generally available immediately
2	Prototype Product No performance guarantee
3	Seasonally Stocked Product May require minimum order
4	[Deprecated]
5	Subassembly Product May not be for sale to end users
6	New Product Stock Code status unconfirmed
7	OEM or Client Product Not for general end user sale
8	Non-Stocked Product Minimum order required
9	Special Product Check with our sales team

ABOUT US

It was in the early 20th century that tungsten carbide began to make a huge impact on the industrial world. An incredibly versatile material, it's been used in light bulb filaments, cutting tools, armour piercing ammunition, and jet engines.

The early 1980s saw this wonder material being used heavily in the Australian mining industry. After working with the material there, some key people saw the opportunity to extend tungsten carbide into the agricultural industry. Farmer Bill Staughton, agricultural innovator Barry McFarlane, and entrepreneur Ron Ainge began experimenting with the idea of tungsten carbide protection on tillage tools. Most tillage tools on the market today are now tungsten carbide protected. An Australian innovation in this field, it is now used around the world.

Hard Metals Australia, founded by Ron Ainge in 1982, is now one of the biggest tungsten carbide distributors in Australia. As a manufacturer of wear parts and ground engaging tools for a variety of industries, we have a wealth of experience to draw from in designing exceptional tungsten carbide protected products.

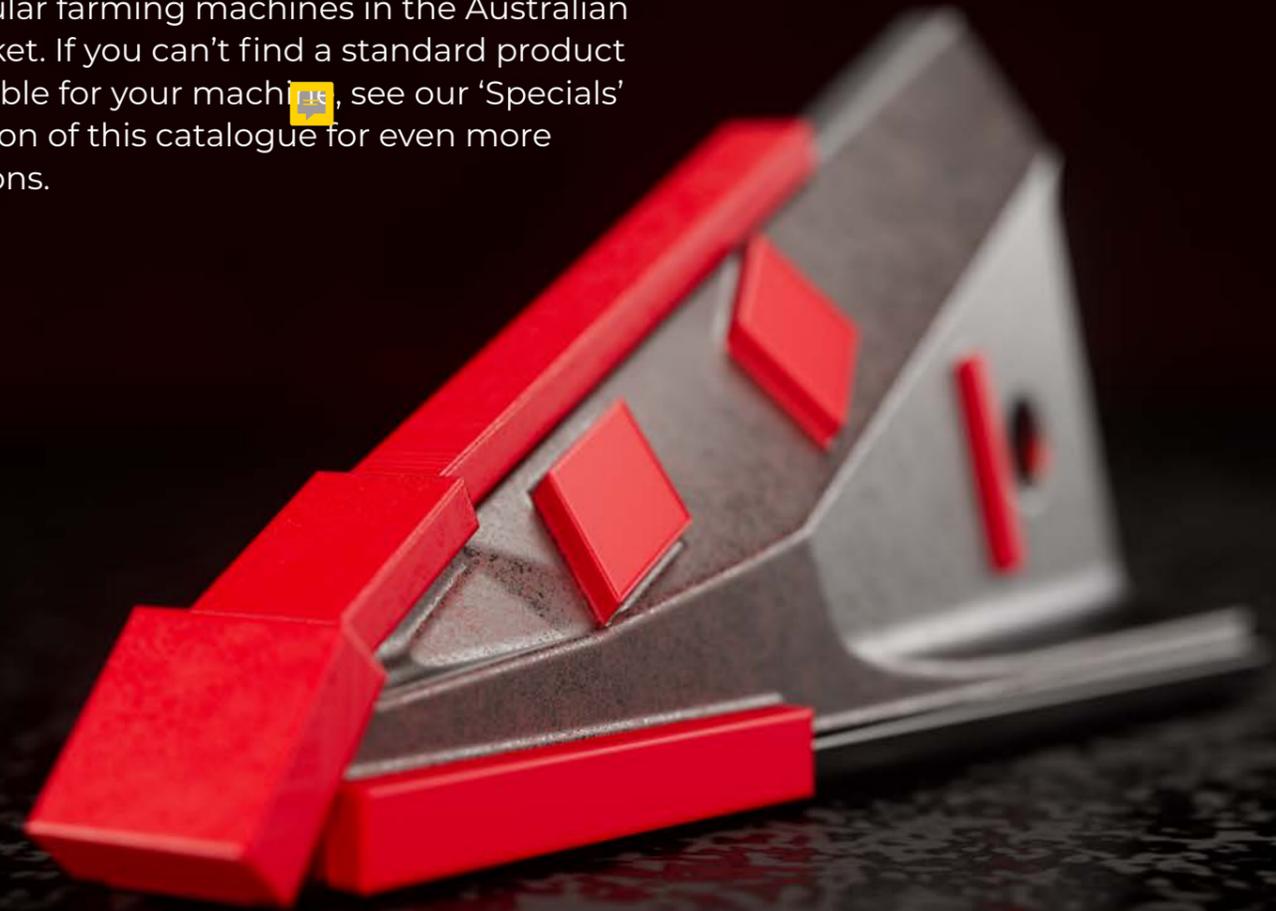
It is with this experience that we share our Wearparts product line with our customers

TILLAGE TOOLS

ABOUT OUR TOOLS

Hard Metals Australia has a rich history of designing and manufacturing after market wear-resistant tillage tools.

Our WearMaster range consists of long lasting tillage attachments for most popular farming machines in the Australian market. If you can't find a standard product suitable for your machine, see our 'Specials' section of this catalogue for even more options.

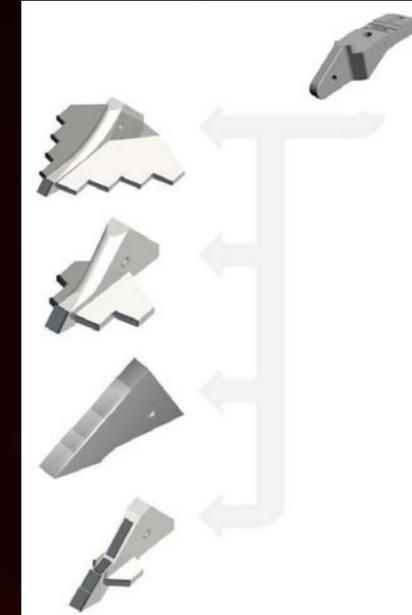


WEARMASTER

Our FlexiFit range works on an adapter designed for changeout speed and ease of use. Our adapters bolt on to most machines, and any point in the range fits the adapter with a simple roll-pin.

Laboratory testing has shown tungsten carbide has over 50 times the wear life of hardened steel. Our design engineers, often in consultation with in-the-field farmers, identify the weak areas of tillage tools and strategically add tungsten carbide. This keeps points affordable and drastically increases tool lifetime.

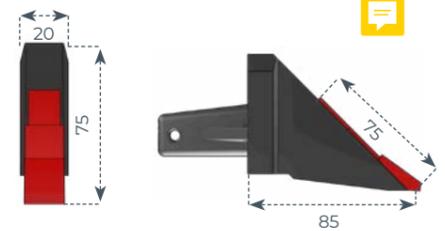
Drawings in this catalogue use **red** to represent tungsten carbide tiling. All measurements are in millimetres

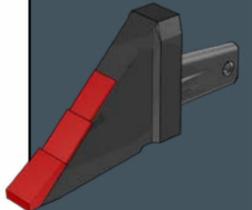
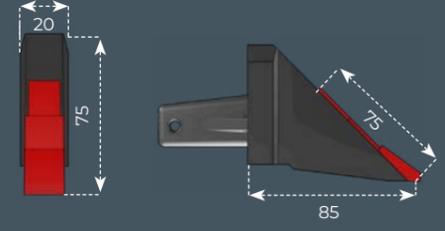


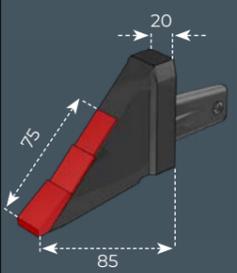
To be updated

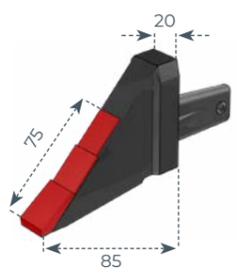


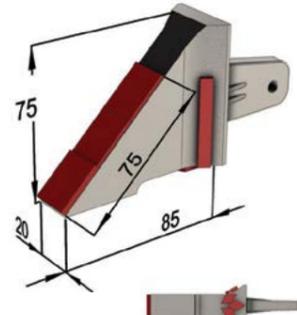
Direct Drills

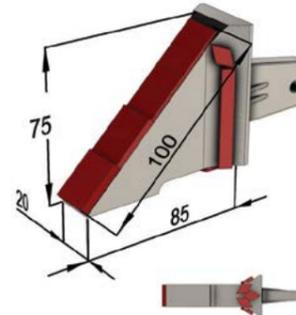
Product: WM1048	Measurements:
 <p>Description: Wide direct drill</p> <p>Weight: 710 G</p> <p>Stock Codes</p> 	

Product: WM1048	Measurements:
 <p>Description: Wide direct drill</p> <p>Weight: 710 G</p> <p>Stock Codes</p> 	

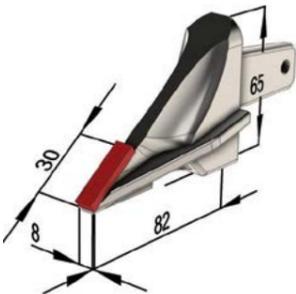
Product: WM1048
 <p>Description: Wide direct drill</p> <p>Weight: 710 G</p> <p>Stock Codes</p> 

Product: WM1048
 <p>Description: Wide direct drill</p> <p>Weight: 710 G</p> <p>Stock Codes</p> 

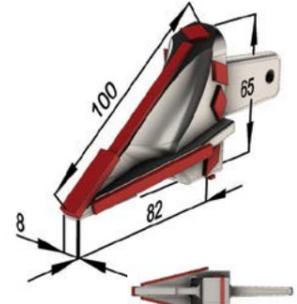
Product: WM1048-XP
 <p>Description: Wide direct drill Extra protection</p> <p>Weight: 720 G</p> <p>Stock Codes</p> 

Product: WM1048-XXP
 <p>Description: Wide direct drill - Heavy full protection</p> <p>Weight: 770 G</p> <p>Stock Codes</p> 

Spear Points

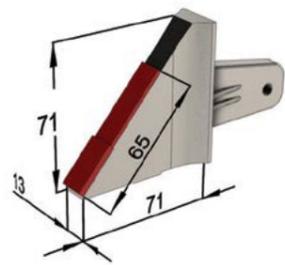
Product: WM1080
 <p>Description: Spear point</p> <p>Weight: 440 G</p> <p>Stock Codes</p> 

Product: WM1080-XP
 <p>Description: Spear point Full protection</p> <p>Weight: 450 G</p> <p>Stock Codes</p> 

Product: WM1080-XXP
 <p>Description: Spear point Heavy full protection</p> <p>Weight: 480 G</p> <p>Stock Codes</p> 

FOR KEECH

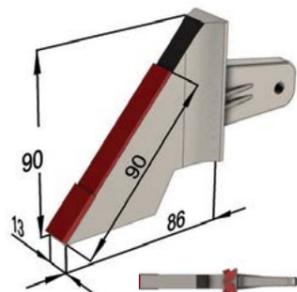
Direct Drills



Product: WM1049
Description: 71mm short direct drill

Weight: 430 G

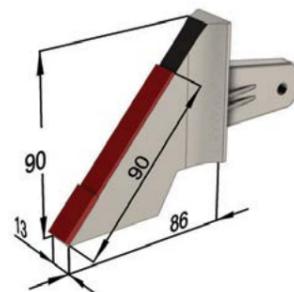
Stock Codes



Product: WM1050-XP
Description: 90mm regular direct drill with extra protection

Weight: 520 G

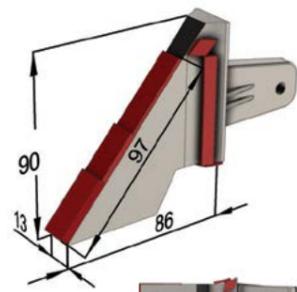
Stock Codes



Product: WM1050
Description: 90mm regular direct drill

Weight: 500 G

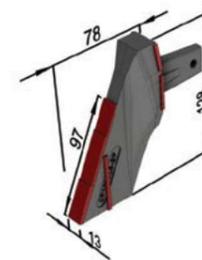
Stock Codes



Product: WM1050-XXP
Description: 90mm regular direct drill with heavy protection

Weight: 550 G

Stock Codes

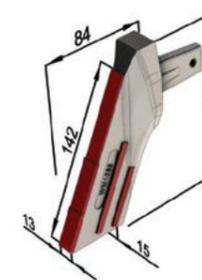


Product: WM1049

Description: 128mm direct drill

Weight: 830 G

Stock Codes



Product: WM1053-S

Description: 150mm long direct drill with side protection

Weight: 910 G

Stock Codes

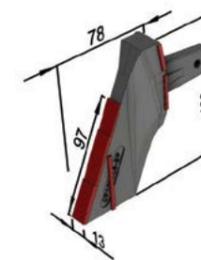


Product: WM1054

Description: Forward angled direct drill

Weight: 710 G

Stock Codes

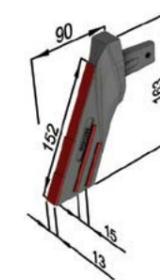


Description: 128mm direct drill with side protection

Product: WM1051-XP

Weight: 840 G

Stock Codes



Product: WM1053

Description: 163mm extra long direct drill with side protection

Weight: 1.04 KG

Stock Codes

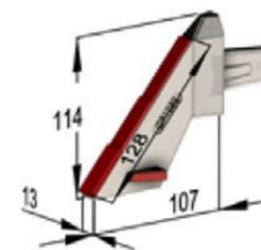


Product: WM1054-XP

Description: Forward angled direct drill with side protection

Weight: 720 G

Stock Codes



Product: WM1052

Description: Winged seeder

Weight: 740 G

Stock Codes



FOR JANKE

Arrow Heads

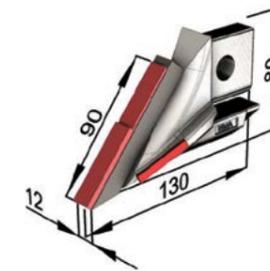
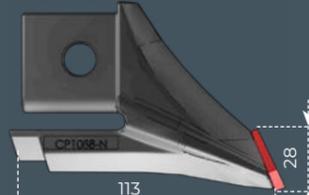
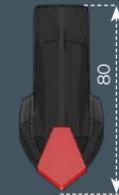
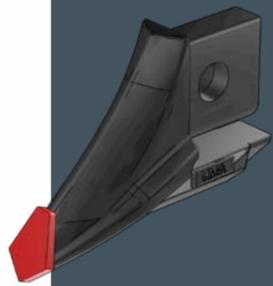
Product: WM1088 & WM1088-N

Measurements:

Description:
Arrow head point

Weight: 710 G

Stock Codes



Product: WM1088-XP12

Description:
12mm wide arrow head with heavy nose

Weight: 900 G

Stock Codes



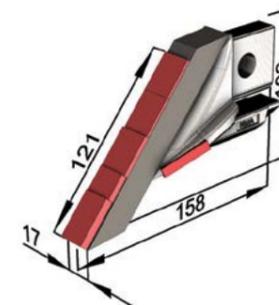
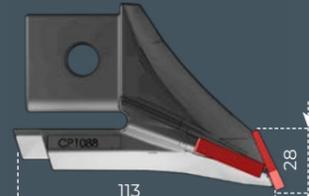
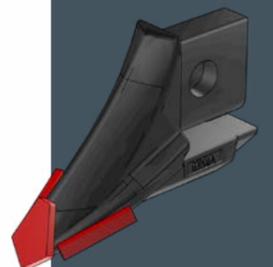
Product: WM1088-N-XP

Measurements:

Description:
Arrow head point with side protection

Weight: 720 G

Stock Codes



Product: WM1088-XP19

Description:
19mm wide arrow head with long heavy nose

Weight: 1.20 KG

Stock Codes



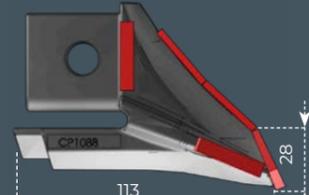
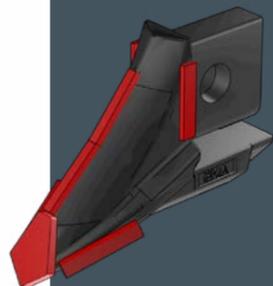
Product: WM1088-N-XXP

Measurements:

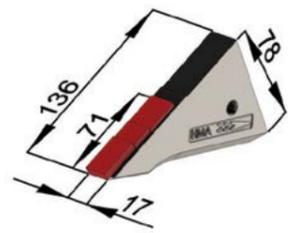
Description:
Arrow head point with full protection

Weight: 750 G

Stock Codes



KNIFE POINTS



Product: WM1057

Description:
Short knife point
for Flexicoil

Weight: 870 G

Stock Codes



8	8
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Product: WM1058

Description:
Knife point for
Flexicoil

Weight: 1.00 KG

Stock Codes



1	8
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Product: WM1082-XP

Measurements:

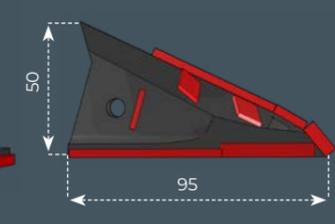
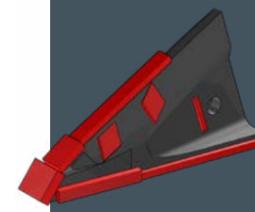
Description:
Spear point for Gyrat with
extra protection

Weight: 360 G

Stock Codes



3	8	8
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Product: WM1090

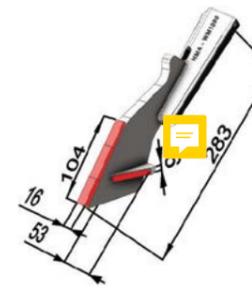
Description:
Slimwedge knock-on
winged seeder for McCoy

Weight: 1.53 KG

Stock Codes



1	8
---	---



Product: WM1082

Measurements:

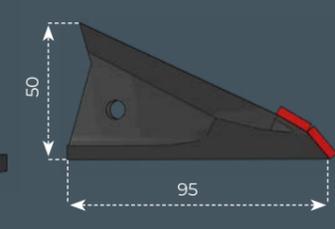
Description:
Spear point for Gyrat

Weight: 300 G

Stock Codes



1	8	8
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Product: WM1104

Measurements:

Description:
Slimwedge knock-on knife
point for McCoy

Weight: 1.45 KG

Stock Codes



1	8	8
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FOR CONSERVAPAK



3D model was same as 1095XP, I removed the side protection, is this now correct?

Product: WM1095

Description: Replacement for Conservapak

Weight: 930 G

Stock Codes

6	8	8

Measurements:

Product: WM1095-XP

Description: Replacement for Conservapak with side protection

Weight: 930 G

Stock Codes

6	8	8

Measurements:



Product: WM1096

Description: Deep angle replacement for Conservapak

Weight: 980 G

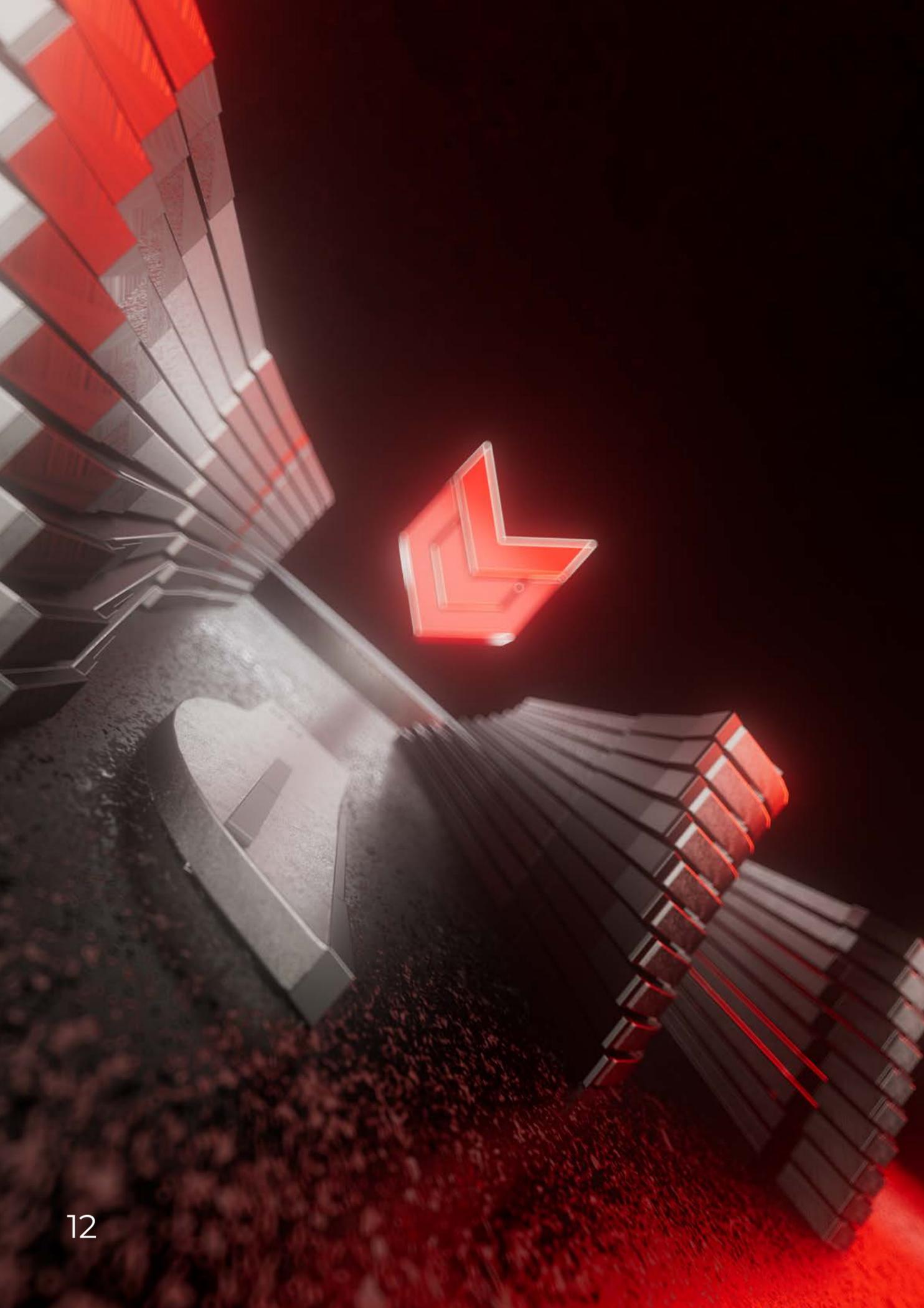
Stock Codes

6	8

3D model s missing Carbide.



REPLACEMENT TYNES



Product: SH-SKNF425

Description:
Extended tyne for Seedhawk

Weight: 1.70 KG

Stock Codes

6	8	8

Measurements:

Product: SH-SKNF409

Description:
Tyne for Seedhawk

Weight: 1.60 KG

Stock Codes

6	8	8

Measurements:

Product: MC2-430XP

Description:
Tyne for Morris

Weight: 1.90 KG

Stock Codes

6	8	8

Measurements:

DEEP RIPPING



Product: R1024
Description: Boot for Yeomans

Weight: 2.87 KG

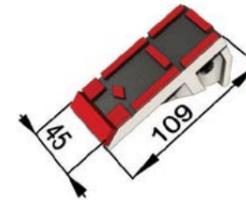
Stock Codes



Product: R1024-XP
Description: Boot for Yeomans- Rockbreaking full protection

Weight: 2.87 KG

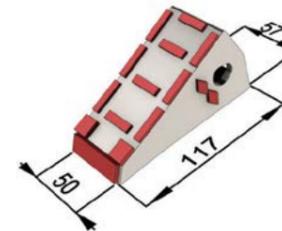
Stock Codes



Product: R1018
Description: Replaceable wear tip for R1016

Weight: 750 G

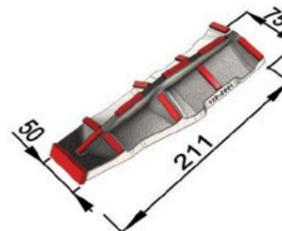
Stock Codes



Product: R1010
Description: Boot with pin protection

Weight: 920 G

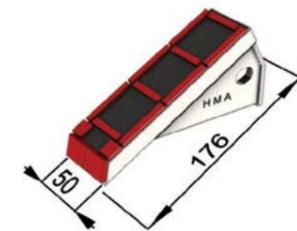
Stock Codes



Product: R1014
Description: Boot for Agrowplow

Weight: 1.50 KG

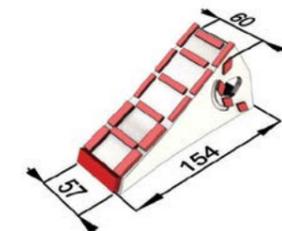
Stock Codes



Product: R1022
Description: Wide connection ripper boot

Weight: 1.88 KG

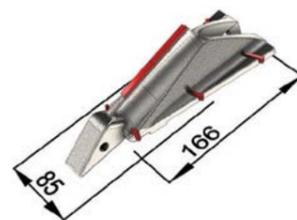
Stock Codes



Product: R1012
Description: Long boot with pin protection

Weight: 1.43 KG

Stock Codes



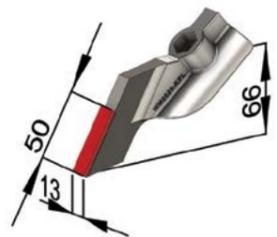
Product: R1016
Description: Protected adapter for Gessner

Weight: 1.33 KG

Stock Codes



BOLT-ONS

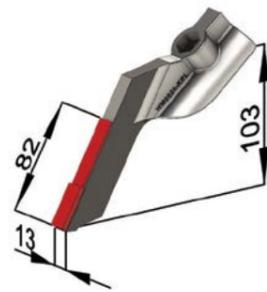


Product: WM0020-KP

Description:
Single-Bolt direct drill

Weight: 500 G

Stock Codes

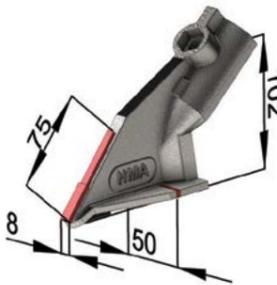


Product: WM0020-KPL

Description:
Single-Bolt direct drill

Weight: 610 G

Stock Codes

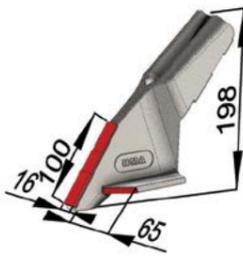


Product: WM2086

Description:
Single-Bolt winged seeder

Weight: 1.10 KG

Stock Codes

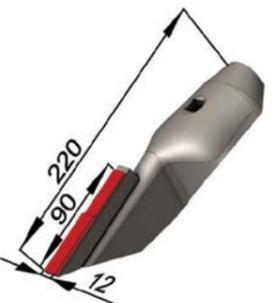


Product: WM2088

Description:
Double-Bolt winged seeder

Weight: 2.75 KG

Stock Codes



Product: WM2024

Description:
Single-Bolt knife point

Weight: 960 G

Stock Codes

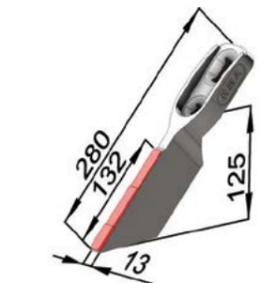


Product: WM1101

Description:
Double-Bolt short knife point

Weight: 1.15 KG

Stock Codes



Product: WM1102

Description:
Double-Bolt knife point

Weight: 1.36 KG

Stock Codes

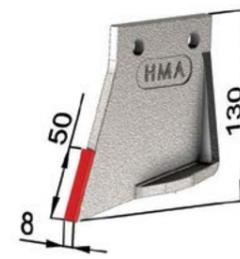


Product: WM1102-XP

Description:
Double-Bolt knife point Extra protection

Weight: 1.50 KG

Stock Codes

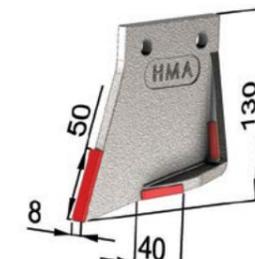


Product: WM1084

Description:
Baker boot

Weight: 930 G

Stock Codes

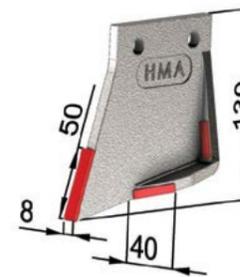


Product: WM1084-XP

Description:
Baker boot - Extra protection

Weight: 950 G

Stock Codes

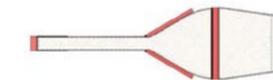


Product: WM1084-XXP

Description:
Baker boot - Heavy protection

Weight: 980 G

Stock Codes

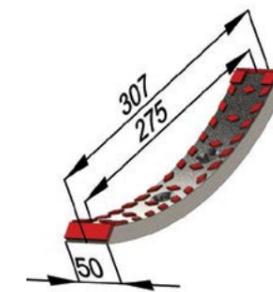


Product: WM1002

Description:
Double-Bolt reversible chisel 2 1/4" centre

Weight: 1.86 KG

Stock Codes



Product: WM1004

Description:
Double-Bolt reversible chisel 3" centre

Weight: 1.91 KG

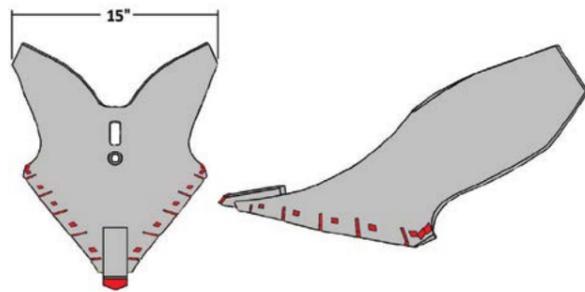
Stock Codes



FURROWERS

FLEXIFIT ADAPTERS

+ FlexiFit adapters are provided at half price when bought together with a FlexiFit point.

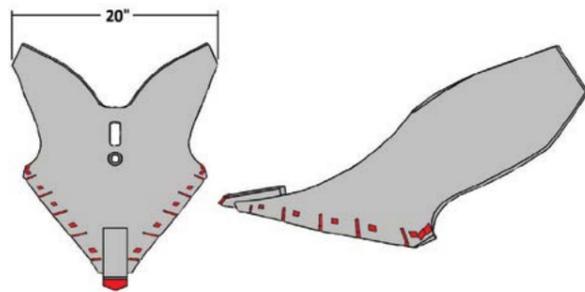


Product: RC1008

Description:
15" heavy duty furrower

Weight:

Stock Codes

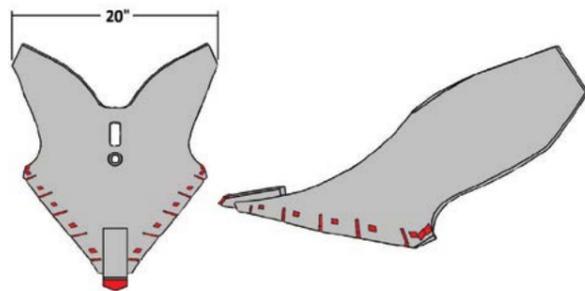


Product: RC1010

Description:
20" heavy duty furrower

Weight:

Stock Codes

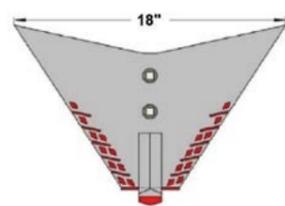


Product: RC1012

Description:
24" heavy duty furrower

Weight:

Stock Codes

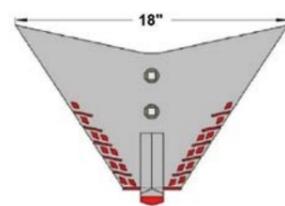


Product: RC1014

Description:
18" Alabama sweep with nose protection

Weight: 5.10 KG

Stock Codes

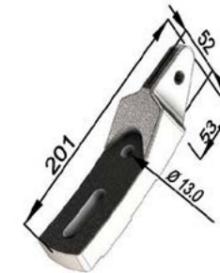


Product: RC1020

Description:
24" Alabama sweep with nose protection

Weight: 5.60 KG

Stock Codes



Product: FF1000

Description:
Bolt-on adapter

Weight: 1.13 KG

Stock Codes



Product: FF1000-14.5

Description:
Bolt-on adapter for 9/16" bolt

Weight: 1.13 KG

Stock Codes



Product: FF1000-SW

Description:
Knock-on slimwedge adapter

Weight: 970 G

Stock Codes



Product: FF1000P

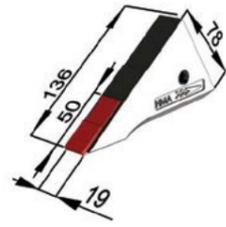
Description:
FlexiFit pin punch

Weight: 220 G

Stock Codes

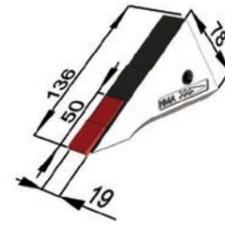


FLEXIFIT POINTS



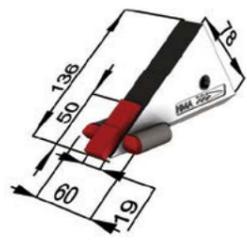
Product: FF1055
Description:
 Short knife point

Weight: 920 G
Stock Codes



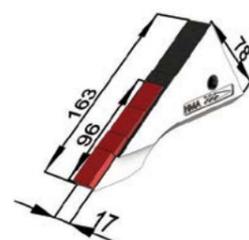
Product: FF1055E
Description:
 Short knife point -
 Economy carbide

Weight: 880 G
Stock Codes



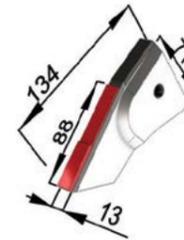
Product: FF1055W
Description:
 Short knife point
 with wings

Weight: 1.05 KG
Stock Codes



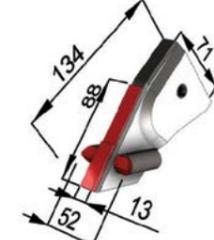
Product: FF1056
Description:
 Knife point

Weight: 1.06 KG
Stock Codes



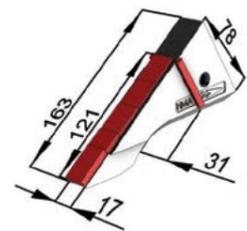
Product: FF1034
Description:
 Angled knife point

Weight: 840 G
Stock Codes



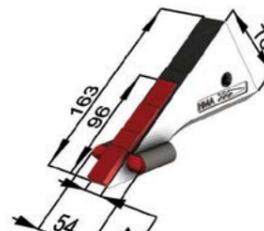
Product: FF1034W
Description:
 Angled knife point with
 wings

Weight: 960 G
Stock Codes



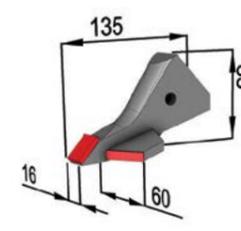
Product: FF1056-XP
Description:
 Knife point with side
 protection

Weight: 1.10 KG
Stock Codes



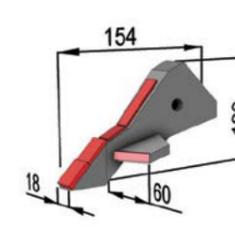
Product: FF1056W
Description:
 Knife point with
 wings

Weight: 1.18 KG
Stock Codes



Product: FF1003
Description:
 Seeder point with wings

Weight: 700 G
Stock Codes

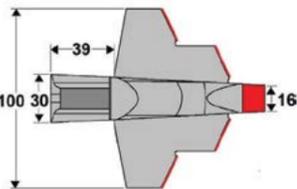


Product: FF1003L
Description:
 Long seeder point with
 wings

Weight: 800 G
Stock Codes

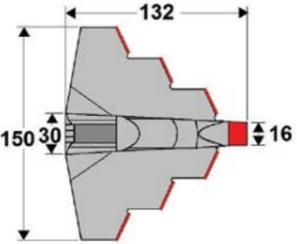


FLEXIFIT SWEEPS



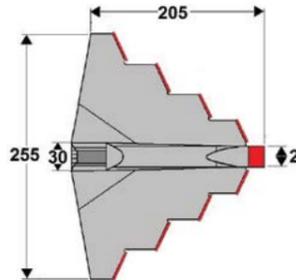
Product: FF1004
Description: 4" Sweep
Weight: 820 G
Stock Codes

	
3	8



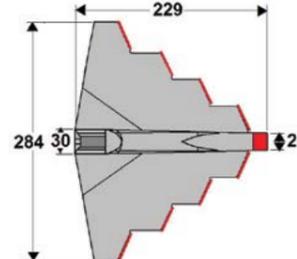
Product: FF1006
Description: 6" Sweep
Weight: 1.26 KG
Stock Codes

	
3	8



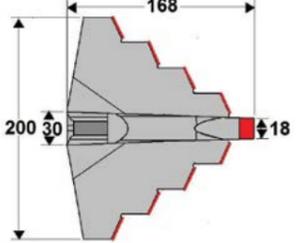
Product: FF1010
Description: 10" Sweep
Weight: 2.64 KG
Stock Codes

	
3	8



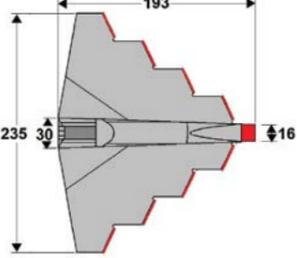
Product: FF1011
Description: 11" Sweep
Weight: 3.27 KG
Stock Codes

	
3	8



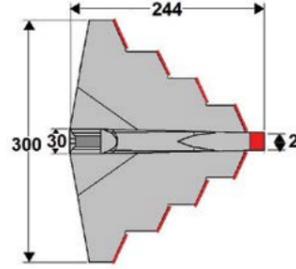
Product: FF1008
Description: 8" Sweep
Weight: 1.79 KG
Stock Codes

	
3	8



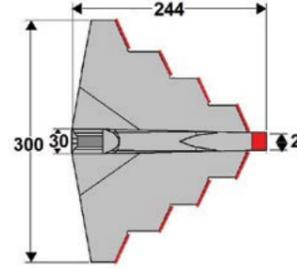
Product: FF1009
Description: 9" Sweep
Weight: 2.15 KG
Stock Codes

	
3	8



Product: FF1012
Description: 12" Sweep
Weight: 4.20 KG
Stock Codes

	
3	8



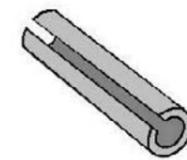
Product: FF1014
Description: 14" Sweep
Weight: 4.25 KG
Stock Codes

	
3	8

ABOUT ACCESSORIES

Many of our WearMaster products feature weld-on blocks to substantially change their shape and add heavy protection against impact and wear. Weld-on blocks are available for purchase so you can do it yourself if you already own points that need additional coverage. These come in a range of sizes and feature a heavy duty steel alloy base with strategic tungsten carbide protection. They are designed to be easy to weld with setups that many farmers already own. Generously preheat both your part and the weld on block before welding for best results.

Required fasteners are included with product purchase. Additional fasteners can be purchased if needed.



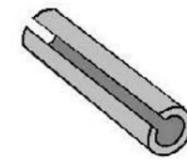
Roll Pin

Product: RP6.4X32

Description:
Roll pin to suit
WM1082

Weight: 5 G

Stock Codes



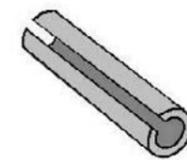
Roll Pin

Product: RP7.9X25.4

Description:
Roll pin to suit
WM1058

Weight: 6 G

Stock Codes



Roll Pin

Product: RP9.5X44.5

Description:
Roll pin to suit
R1016 - R1018

Weight: 16 G

Stock Codes

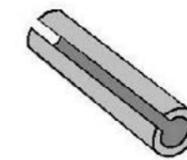


Product: WM1088-P

Description:
Pin for WM1088

Weight: 13 G

Stock Codes



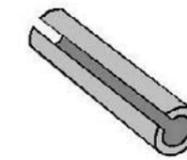
Roll Pin

Product: RP6.4X41

Description:
Roll pin to suit R1024

Weight: 6 G

Stock Codes



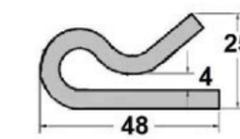
Roll Pin

Product: RP9.5X32

Description:
Roll pin to suit
FlexiFit

Weight: 11 G

Stock Codes

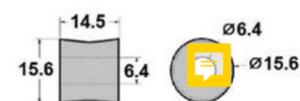


Product: WM-KRC

Description:
R Clip for Keech
style points

Weight: 13 G

Stock Codes



Product: WM1088-B

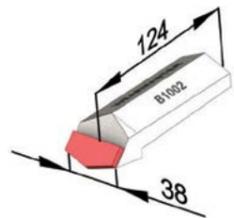
Description:
Bush for WM1088

Weight: 3 G

Stock Codes

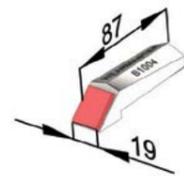


WELD-ON BLOCKS



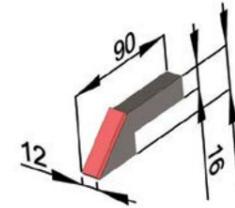
Product: B1002
Description: Nose block suitable for 12" sweeps and scarifiers
Weight: 470 G
Stock Codes

 1 | 8



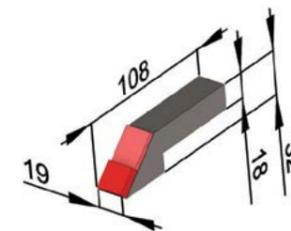
Product: B1004
Description: Nose block suitable for 10" sweeps and scarifiers
Weight: 180 G
Stock Codes

 1 | 8



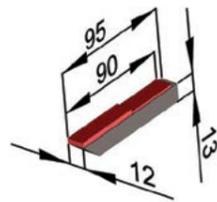
Product: B1026
Description: Nose block for small sweeps and scarifiers
Weight: 170 G
Stock Codes

 3 | 8



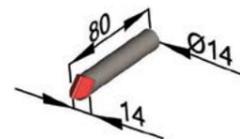
Product: B1028
Description: Nose block for medium sweeps and scarifiers
Weight: 350 G
Stock Codes

 1 | 8



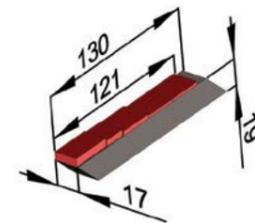
Product: B1006
Description: Nose block with long face protection
Weight: 160 G
Stock Codes

 1 | 8



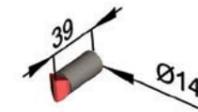
Product: B1008
Description: Bar with rock-breaker tip
Weight: 100 G
Stock Codes

 8 | 8



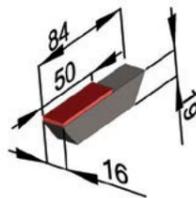
Product: B1032
Description: Nose block with heavy long face protection
Weight: 480 G
Stock Codes

 8 | 8



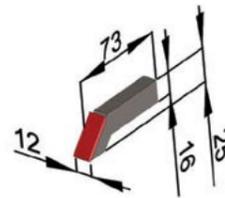
Product: B1034
Description: Sidebar with rock-breaker tip, good for wings
Weight: 60 G
Stock Codes

 1 | 8



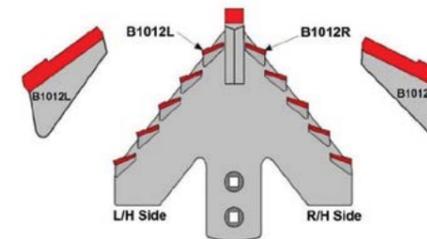
Product: B1014
Description: Nose block with half face protection
Weight: 200 G
Stock Codes

 9 | 8



Product: B1022
Description: Nose block for points
Weight: 100 G
Stock Codes

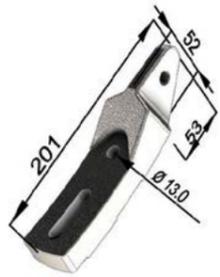
 1 | 8



Product: B1012L | B1012R
Description: Left and Right wing protection for sweeps
Weight: 40 G
Stock Codes

 0 | 8

ADAPTERS

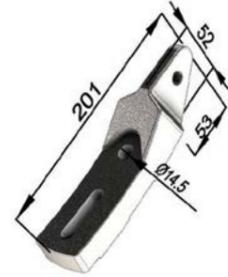


Product: FF1000

Description:
FlexiFit Bolt-on adapter

Weight: 1.13 KG

Stock Codes



Product: FF1000-14.5

Description:
FlexiFit Bolt-on adapter for 9/16" bolt

Weight: 1.13 KG

Stock Codes



Product: FF1000-SW

Description:
FlexiFit Knock-on slimwedge adapter

Weight: 970 G

Stock Codes



Product: FF1000P

Description:
FlexiFit pin punch

Weight: 220 G

Stock Codes



Product: WM-KWA

Description:
Weld-on adapter for Keech style points

Weight: 340 G

Stock Codes

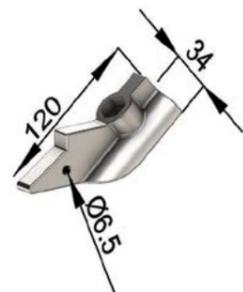


Product: WM-KBA

Description:
Bolt-on adapter for Keech style points

Weight: 1.44 KG

Stock Codes



Product: WM0020

Description:
Bolt-on adapter for Gyral style points

Weight: 410 G

Stock Codes



OTHER SERVICES



Special Products

As a long term manufacturer of parts designed to resist wear in tough conditions, Hard Metals is uniquely positioned to create custom, lasting points. Our precision casting process utilises a proprietary steel alloy to maximise hardness and toughness for ground engaging tools.

OEM Castings

For Original Equipment Manufacturers (OEMs), we're able to assist in designing and sourcing castings and profiles that have excellent wear properties and can be tungsten carbide plated. We are a proud supplier to many OEMs of various sizes.

SPECIAL PRODUCTS

Additional Carbide Tiling

Our clients occasionally find that base products they've bought from their suppliers don't perform as well as they should. If you're finding problem wear areas on any steel alloy product, we can add significant protection with tungsten carbide tiling. We have a huge range of tungsten carbide sizes and shapes that can fit any product. Our experienced workshop staff ensure optimal adhesion for strong, durable protection.

Reworks

Our workshop is equipped with a large machine shop containing manual and CNC machines, as well as a weld bay, part dressing room, and dedicated brazing stations.

Occasionally clients need to modify their existing tooling for upcoming projects. We're able to quickly rework bulk items in whatever ways you need. With a strong team of technical staff, we can assist in ensuring modifications are correct the first time so you can keep working.

New Products

Hard Metals has experience with the full scope of engineering Agricultural tools for people with unique problems or OEM distributors. We've brought designs from first thought all the way through to final product for many clients.

OEM CASTINGS

We can reliably source bulk castings in a range of materials. Hard Metals uses a proprietary steel alloy similar to what is used on digging teeth in the excavation industry. It is designed to resist wear in Agricultural applications that is also available to our customers.

Typically, parts are made using a lost wax casting process outlined below. Part tolerance and part finish can be tightened or loosened from CT-5 to CT-9 depending on the required performance and economy.

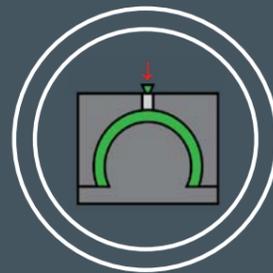
THE PROCESS

1 TOOLING



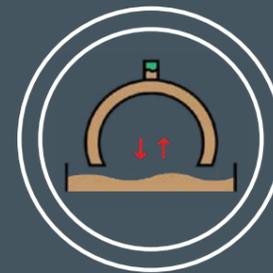
A high precision inverted version of the part is CNC machined.

2 WAX INJECTION



The inverted part is filled with a special wax. This is a high quality wax version of your finished product.

3 SHELL COATING



The wax is dipped in several layers of liquid ceramic coating then left to dry.

4 DEWAX



Wax is melted and pulled away, leaving just the ceramic shell behind.

5 POURING



Molten steel alloy is poured into the ceramic shell and left to set.

6 SHELL REMOVAL



The ceramic is broken from the hardened steel part.

7 FINISH



The part is cleaned up and surface treated or heat treated as required.

8 QUALITY ASSURANCE



Technical staff assess the part to ensure the quality of the finish and dimensional accuracy.

1. DEFINITIONS

1.1 "Contract" means the terms and conditions contained herein, together with any quotation,

order, invoice or other document or amendments expressed to be supplemental to this Contract.

1.2 "HMA" means Hard Metals Australia Pty Limited, its successors and assigns or any person acting on behalf of and with the authority of Hard Metals Australia Pty Limited.

1.3 "Client" means the person/s, entities or any person acting on behalf of and with the authority of the Client requesting HMA to provide the Services as specified in any proposal, quotation,

order, invoice or other documentation, and:

(a) if there is more than one Client, is a reference to each Client jointly and severally; and
(b) if the Client is a partnership, it shall bind each partner jointly and severally; and
(c) if the Client is a part of a Trust, shall be bound in their capacity as a trustee; and
(d) includes the Client's executors, administrators, successors and permitted assigns.

1.4 "Goods" means all Goods or Services supplied by HMA to the Client at the Client's request from time to time (where the context so permits the terms 'Goods' or 'Services' shall be interchangeable for the other).

1.5 "Confidential Information" means information of a confidential nature whether oral, written or in electronic form including, but not limited to, this Contract, either party's intellectual property,

operational information, know-how, trade secrets, financial and commercial affairs, contracts,

client information (including but not limited to, "Personal Information" such as: name, address, D.O.B, occupation, driver's license details, electronic contact (email, Facebook or Twitter details), medical insurance details or next of kin and other contact information (where applicable), previous credit applications, credit history) and pricing details.

1.6 "Cookies" means small files which are stored on a user's computer. They are designed to hold a modest amount of data (including Personal Information) specific to a particular client and website, and can be accessed either by the web server or the client's computer. If the Client does not wish to allow Cookies to operate in the background when ordering from the website, then the Client shall have the right to enable / disable the Cookies first by selecting the option to enable / disable provided on the website, prior to ordering Goods via the website.

1.7 "Price" means the Price payable (plus any GST where applicable) for the Goods as agreed between HMA and the Client in accordance with clause 5 below.

1.8 "GST" means Goods and Services Tax (GST) as defined within the "A New Tax System (Goods and Services Tax) Act 1999" (Cth).

2. ACCEPTANCE

2.1 The Client is taken to have exclusively accepted and is immediately bound, jointly and severally, by these terms and conditions if the Client places an order for or accepts delivery of the Goods.

2.2 In the event of any inconsistency between the terms and conditions of this Contract and any other prior document or schedule that the parties have entered into, the terms of this Contract shall prevail.

2.3 Any amendment to the terms and conditions contained in this Contract may only be amended in writing by the consent of both parties.

2.4 Electronic signatures shall be deemed to be accepted by either party providing that the parties have complied with Section 9 of the Electronic Transactions Act 2000 or any other applicable provisions of that Act or any Regulations referred to in that Act.

3. ERRORS AND OMISSIONS

3.1 The Client acknowledges and accepts that HMA shall, without prejudice, accept no liability in respect of any alleged or actual error(s) and/or omission(s):
(a) resulting from an inadvertent mistake made by HMA in the formation and/or administration of this Contract; and/or
(b) contained in/omitted from any literature (hard copy and/or electronic) supplied by HMA in respect of the Services.

3.2 In the event such an error and/or omission occurs in accordance with clause 3.1, and is not attributable to the negligence and/or willful misconduct of HMA; the Client shall not be entitled to treat this Contract as repudiated nor render it invalid.

4. CHANGE IN CONTROL

4.1 The Client shall give HMA not less than fourteen (14) days prior written notice of any proposed change of ownership of the Client and/or any other change in the Client's details

(including but not limited to, changes in the Client's name, address, and contact phone or fax number/s, change of trustees or business practice). The Client shall be liable for any loss incurred by HMA as a result of the Client's failure to comply with this clause.

5. PRICE AND PAYMENT

5.1 At HMA's sole discretion, the Price shall be either:
(a) as indicated on any invoice provided by HMA to the Client; or
(b) the Price as at the date of delivery of the Goods according to HMA's current price list; or
(c) HMA's quoted price (subject to clause 5.2) which will be valid for the period stated in the quotation or otherwise for a period of thirty (30) days.

5.2 HMA reserves the right to change the Price if a variation to HMA's quotation is requested.

Any variation as a result of increases to HMA in the cost of materials and labour, or fluctuations in currency exchange rates, will be charged for on the basis of HMA's quotation and will be shown as variations on the invoice. The Client shall be required to respond to any variation submitted by HMA within ten (10) working days. Failure to do so will entitle HMA to add the cost of the variation to the Price. Payment for all variations must be made in full at the time of their completion.

5.3 Time for payment for the Goods being of the essence, the Price will be payable by the Client on the date/s determined by HMA, which may be:
(a) payment shall be due on the Client's order for the Goods; or
(b) for approved Client's, thirty (30) days following the date of invoice; or
(c) the date specified on any invoice or other form as being the date for payment; or

5.4 Payment may be made by cash, cheque, bank cheque, electronic/on-line banking, credit card (a surcharge may apply per transaction), or by any other method as agreed to between the Client and HMA.

5.5 The Client shall not be entitled to set off against, or deduct from the Price, any sums owed or claimed to be owed to the Client by HMA nor to withhold payment of any invoice because part of that invoice is in dispute.

5.6 Unless otherwise stated the Price does not include GST. In addition to the Price the Client must pay to HMA an amount equal to any GST HMA must pay for any supply by HMA under this or any other contract for the sale of the Goods. The Client must pay GST, without deduction or set off of any other amounts, at the same time and on the same basis as the Client pays the Price. In addition, the Client must pay any other taxes and duties that may be applicable in addition to the Price except where they are expressly included in the Price.

6. DELIVERY OF GOODS

6.1 Delivery ("Delivery") of the Goods is taken that the Goods are delivered ex-warehouse and, unless otherwise stated, dispatched by HMA's nominated carrier (and in accordance with that carrier's current rates).

6.2 Delivery of the Goods to the Client's agent, carrier or representative shall constitute delivery of the Goods by HMA to the Client for the purposes of this Contract.

6.3 The costs of delivery are the responsibility of the Client and are in addition to the Price (and where applicable charged to the Client's account).

6.4 The Client shall make all arrangements necessary to take delivery of the Goods whenever they are tendered for delivery. In the event that the Client is unable to take delivery of the Goods as arranged then HMA shall be entitled to charge a reasonable fee for redelivery.

6.5 Where it is arranged that the Client, or the Client's nominated carrier, is to collect the Goods: notification that the Goods are available for collection shall be deemed as delivery of the Goods. Failure to collect the Goods will not be accepted as mitigating the Client's obligation to make payment within the specified terms.

6.6 At HMA's sole discretion, storage fees may be charged for any Goods that have not been collected by the Client after twenty-one (21) days after HMA has notified the Client that the Goods are available for collection.

6.7 The Client acknowledges that the delivery date specified on the order confirmation is an estimate only, based on information available at that time. HMA reserves the right to cancel delivery of the Goods (as per clause 14.2) where it is deemed (at HMA's sole discretion) that the supply of the Goods will not meet the Client's specified terms and requirements, and/or it will expose HMA to unnecessary risk.

6.8 HMA may deliver the Goods by separate instalments. Each separate instalment shall be invoiced and paid in accordance with the provisions in these terms and conditions.

6.9 The Client shall take delivery of the Goods tendered notwithstanding that the quantity so delivered shall be either greater or lesser than the quantity purchased provided that:
(a) such discrepancy in quantity shall not exceed five percent (5%); and
(b) the Price shall be adjusted pro rata to the discrepancy.

6.10 HMA shall not be responsible for the non-delivery of the Goods other than by its nominated carrier.

6.11 The failure of HMA to deliver shall not entitle either party to treat this Contract as repudiated.

6.12 HMA shall not be liable for any loss or damage whatsoever due to failure by HMA to deliver the Goods (or any of them) promptly or at all, where due to circumstances beyond the control of HMA.

7. RISK

7.1 Risk of damage to or loss of the Goods passes to the Client on Delivery and the Client must insure the Goods on or before Delivery.

7.2 If any of the Goods are damaged or destroyed following delivery but prior to ownership passing to the Client, HMA is entitled to receive all insurance proceeds payable for the Goods. The production of these terms and conditions by HMA is sufficient evidence of HMA's rights to receive the insurance proceeds without the need for any person dealing with HMA to make further enquiries.

7.3 If the Client requests HMA to leave Goods outside HMA's premises for collection or to deliver the Goods to an unattended location, then such Goods shall be left at the Client's sole risk.

8. TITLE

8.1 HMA and the Client agree that ownership of the Goods shall not pass until:
(a) the Client has paid HMA all amounts owing to HMA; and
(b) the Client has met all of its other obligations to HMA.

8.2 Receipt by HMA of any form of payment other than cash shall not be deemed to be payment until that form of payment has been honoured, cleared or recognised.

8.3 It is further agreed that, until ownership of the Goods passes to the Client in accordance with clause 8.1:

(a) the Client is only a bailee of the Goods and must return the Goods to HMA on request.
(b) the Client holds the benefit of the Client's insurance of the Goods on trust for HMA and must pay to HMA the proceeds of any insurance in the event of the Goods being lost, damaged or destroyed.
(c) the Client must not sell, dispose, or otherwise part with possession of the Goods other than in the ordinary course of business and for market value. If the Client sells, disposes or parts with possession of the Goods then the Client must hold the proceeds of any such act on trust for HMA and must pay or deliver the proceeds to HMA on demand.
(d) the Client should not convert or process the Goods or intermix them with other goods but if the Client does so then the Client holds the resulting product on trust for the benefit of HMA and must sell, dispose of or return the resulting product to HMA as it so directs.
(e) the Client irrevocably authorises HMA to enter any premises where HMA believes the Goods are kept and recover possession of the Goods.
(f) HMA may recover possession of any Goods in transit whether or not delivery has occurred.

(g) the Client shall not charge or grant an encumbrance over the Goods nor grant

nor otherwise give away any interest in the Goods while they remain the property of HMA.

(h) HMA may commence proceedings to recover the Price of the Goods sold notwithstanding that ownership of the Goods has not passed to the Client.

9. PERSONAL PROPERTY SECURITIES ACT 2009 ("PPSA")

9.1 In this clause financing statement, financing change statement, security agreement, and security interest has the meaning given to it by the PPSA.

9.2 Upon assenting to these terms and conditions in writing the Client acknowledges and agrees that these terms and conditions constitute a security agreement for the purposes of the PPSA and creates a security interest in all Goods and/or collateral (account) – being a monetary obligation of the Client to HMA for Services – that have previously been supplied and that will be supplied in the future by HMA to the Client.

9.3 The Client undertakes to:

(a) promptly sign any further documents and/or provide any further information (such information to be complete, accurate and up-to-date in all respects) which HMA may reasonably require to;

(i) register a financing statement or financing change statement in relation to a security interest on the Personal Property Securities Register;

(ii) register any other document required to be registered by the PPSA; or
(iii) correct a defect in a statement referred to in clause 9.3(a)(i) or 9.3(a)(ii);

(b) indemnify, and upon demand reimburse, HMA for all expenses incurred in registering a financing statement or financing change statement on the Personal Property Securities Register established by the PPSA or releasing any Goods charged thereby;

(c) not register a financing change statement in respect of a security interest without the prior written consent of HMA;

(d) not register, or permit to be registered, a financing statement or a financing change statement in relation to the Goods and/or collateral (account) in favour of a third party without the prior written consent of HMA;

(e) immediately advise HMA of any material change in its business practices of selling the Goods which would result in a change in the nature of proceeds derived from such sales.

9.4 HMA and the Client agree that sections 96, 115 and 125 of the PPSA do not apply to the security agreement created by these terms and conditions.

9.5 The Client waives their rights to receive notices under sections 95, 118, 121(4), 130, 132(3)

(d) and 132(4) of the PPSA.

9.6 The Client waives their rights as a grantor and/or a debtor under sections 142 and 143 of the PPSA.

9.7 Unless otherwise agreed to in writing by HMA, the Client waives their right to receive a verification statement in accordance with section 157 of the PPSA.

9.8 The Client must unconditionally ratify any actions taken by HMA under clauses 9.3 to 9.5.

9.9 Subject to any express provisions to the contrary (including those contained in this clause 9) nothing in these terms and conditions is intended to have the effect of contracting out of any of the provisions of the PPSA.

10. SECURITY AND CHARGE

10.1 In consideration of HMA agreeing to supply the Goods, the Client charges all of its rights, title and interest (whether joint or several) in any land, realty or other assets capable of being charged, owned by the Client either now or in the future, to secure the performance by the Client of its obligations under these terms and conditions (including, but not limited to, the payment of any money).

10.2 The Client indemnifies HMA from and against all HMA's costs and disbursements including legal costs on a solicitor and own client basis incurred in exercising HMA's rights under this clause.

10.3 The Client irrevocably appoints HMA and each director of HMA as the Client's true and lawful attorney/s to perform all necessary acts to give effect to the provisions of this clause 10 including, but not limited to, signing any document on the Client's behalf.

11. DEFECTS, WARRANTIES AND RETURNS, COMPETITION AND CONSUMER ACT 2010 (CCA)

11.1 The Client must inspect the Goods on delivery and must within fourteen (14) days of delivery notify HMA in writing of any evident defect/damage, shortage in quantity, or failure to comply with the description or quote. The Client must notify any other alleged defect in the Goods as soon as reasonably possible after any such defect becomes evident. Upon such notification the Client must allow HMA to inspect the Goods.

11.2 Under applicable State, Territory and Commonwealth Law (including, without limitation the CCA), certain statutory implied guarantees and warranties (including, without limitation the statutory guarantees under the CCA) may be implied into these terms and conditions (Non-Excluded Guarantees).

11.3 HMA acknowledges that nothing in these terms and conditions purports to modify or exclude the Non-Excluded Guarantees.

11.4 Except as expressly set out in these terms and conditions or in respect of the Non-Excluded Guarantees, HMA makes no warranties or other representations under these terms and conditions including but not limited to the quality or suitability of the Goods.

HMA's liability in respect of these warranties is limited to the fullest extent permitted by law.

11.5 If the Client is a consumer within the meaning of the CCA, HMA's liability is limited to the extent permitted by section 64A of Schedule 2.

11.6 If HMA is required to replace the Goods under this clause or the CCA, but is unable to do so, HMA may refund any money the Client has paid for the Goods.

11.7 If the Client is not a consumer within the meaning of the CCA, HMA's liability for any defect or damage in the Goods is:

(a) limited to the value of any express warranty or warranty card provided to the Client by HMA at HMA's sole discretion;
(b) limited to any warranty to which HMA is entitled, if HMA did not manufacture the Goods;

HARDMETALS



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