

# TSP

***TECHNICALLY SUPERIOR PRODUCTS***

## WEAR PARTS

For The  
QUARRY - CONSTRUCTION  
ASPHALT - CRUSHING  
&  
RECYCLING INDUSTRIES



# OUR BUSINESS PHILOSOPHY

And We always stand by it.

“

Customer happiness with  
our Products and Services  
is all that matters.

”



# OUR KEY PRODUCTS

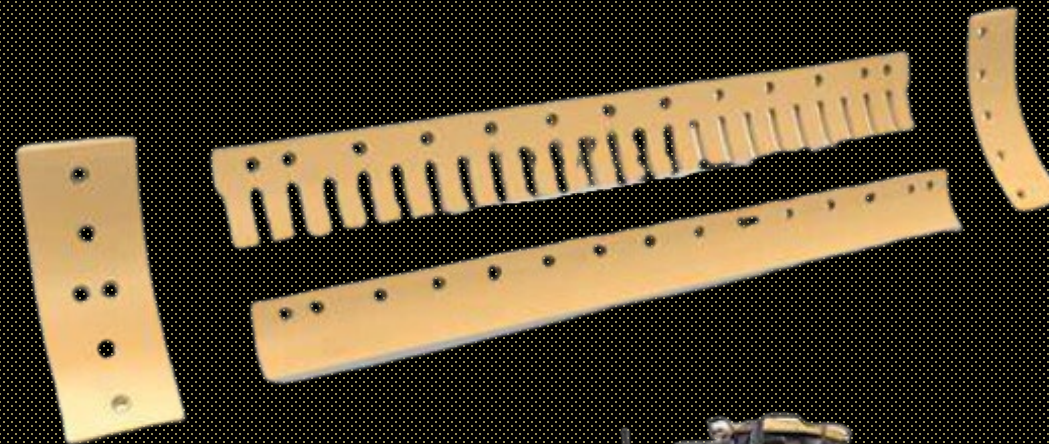
- TSP design Cutting Edges
- TEDGE – Simple yet Effective Cutting Edge
- GET with improved designs and performance
- Pugmill Paddles / Faces / Hardware
- Bi-Metal Wear Bits
- Grizzly Bars
- Apron Feeder Flights and associated components
- Track Groups and Components
- Punch Plates and Screen Hardware
- Grouser Bars
- Cladded Wear Plates
- Crusher Parts
- Asphalt Plant Wear Parts

# TSP DESIGN CUTTING EDGES

VARIETY OF DESIGNS, PLASMA CUT FROM 30 M<sub>n</sub>B BORON STEEL AND HEAT-TREATED, CAST, FORGED AND HARD-FACED OPTIONS ALSO AVAILABLE ON REQUEST.

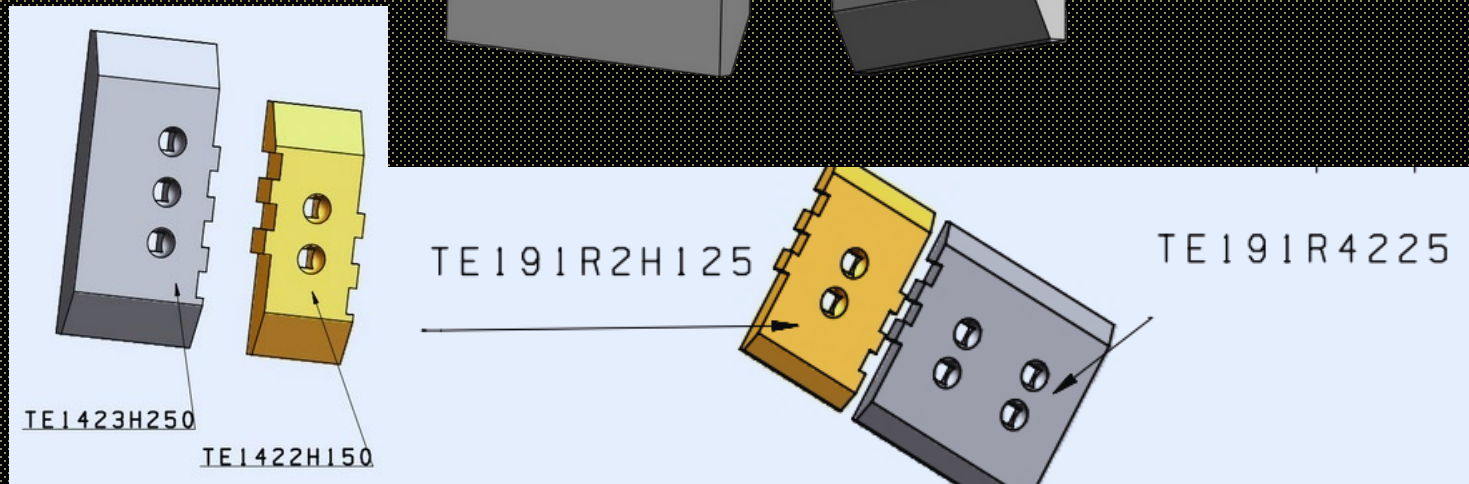
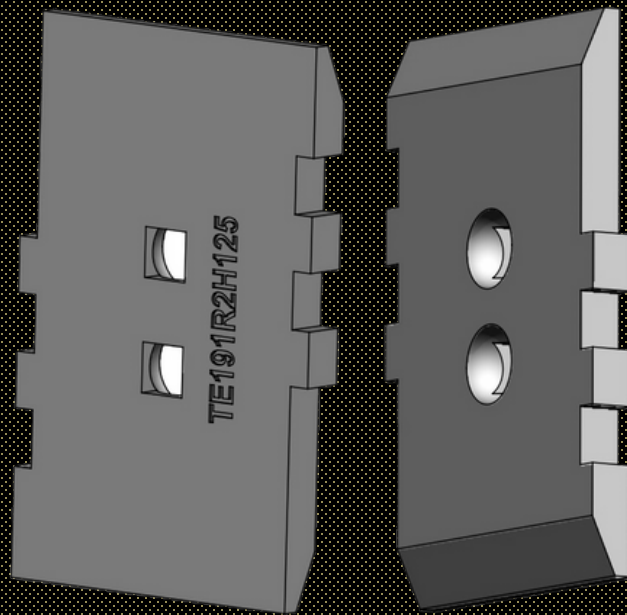


CUTTING EDGES FOR LOADERS, EXCAVATORS, SKIDSTERS, SCRAPERS, GRADERS AND DOZERS



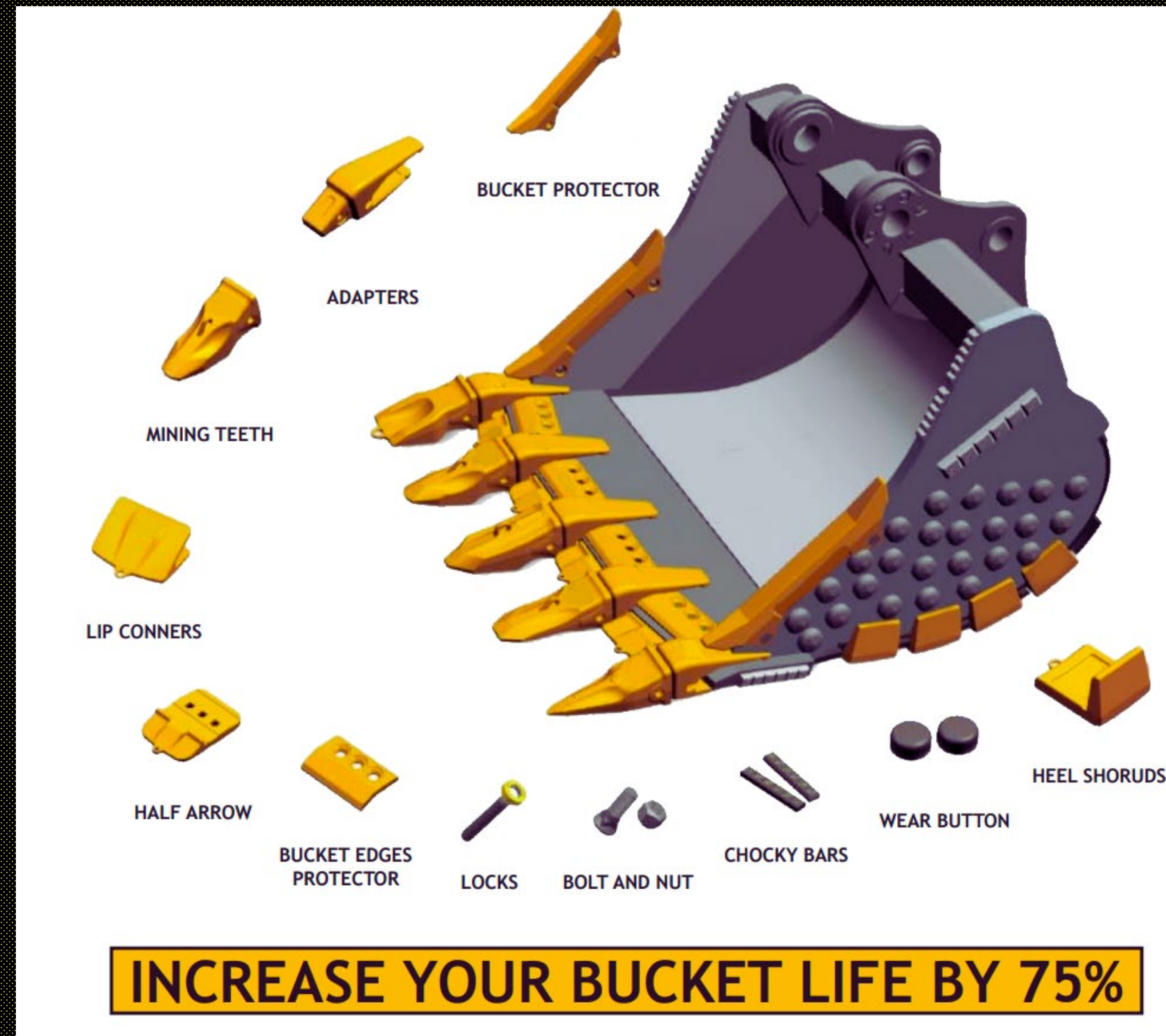
# TEDGE

THE CUTTING EDGE  
WITH A PROVEN  
REAL EDGE



# BUCKETS AND BUCKET GET

VARIOUS DESIGNS, SHAPES, MATERIALS AND SIZES AVAILABLE ON REQUEST, INCLUDING QUARRY GRADE EXCAVATOR AND LOADER BUCKETS



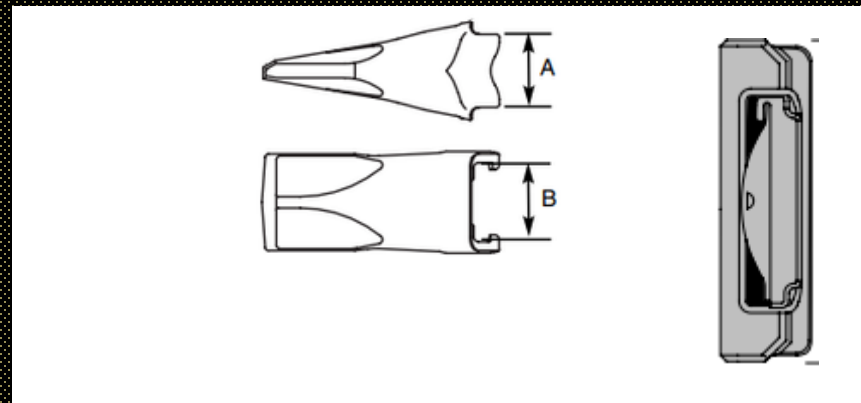
# V-SERIES BUCKET TEETH

/	C	Si	Mn	Cr	Ni	Mo	P	S	Al	Impact	Hardness
Normal material for tips	0.255-0.27	1.4-1.6	0.8-1.1	1.5-1.7	/	/	≤0.025	≤0.025	0.03-0.05	18 Joules	48-52HRC
Better material for tips	0.29-0.305	1.4-1.8	0.7-0.9	1.8-2.0	0.3-0.5	0.3-0.4	≤0.025	≤0.025	0.03-0.05	25 Joules	>51HRC
Normal material for adapter	0.17-0.23	0.4-0.7	0.8-1.2	1.8-2.2	/	/	≤0.025	≤0.025	0.03-0.05	25 Joules	30-35HRC
Better material for adapter	0.17-0.23	0.4-0.7	0.8-1.2	1.8-2.2	0.6-0.8	0.3-0.5	≤0.025	≤0.025	0.03-0.05	30 Joules	36-41HRC

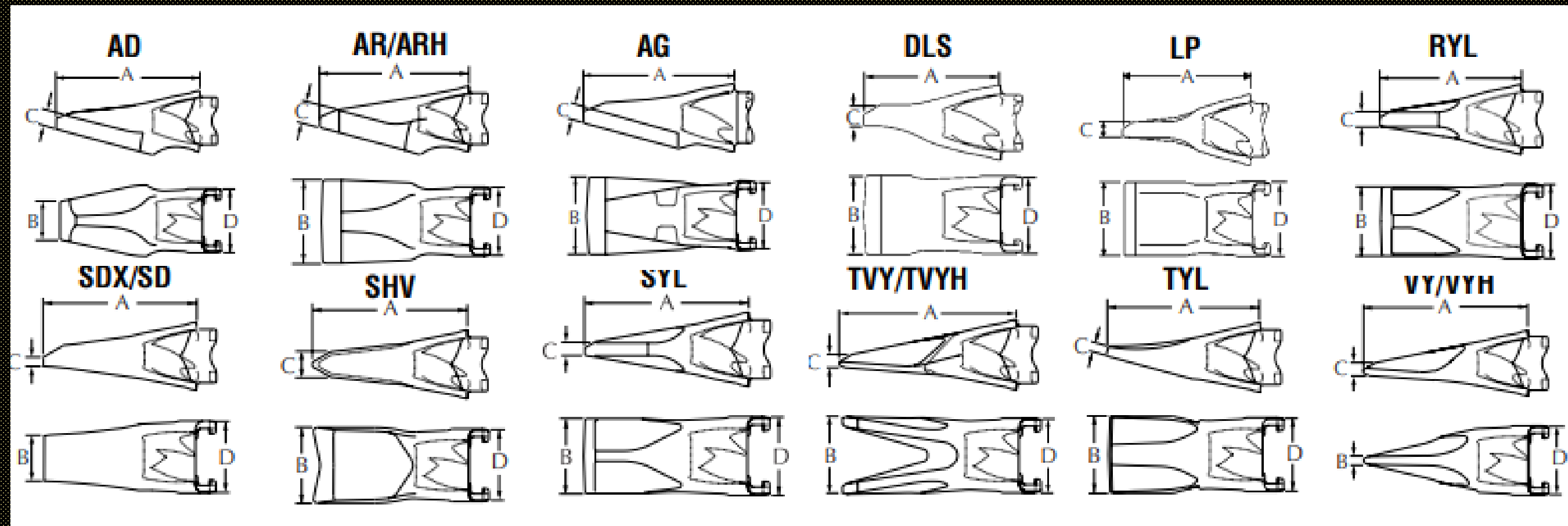


## V- Series V13 to V81

## Our Special Rock Chisel Tooth

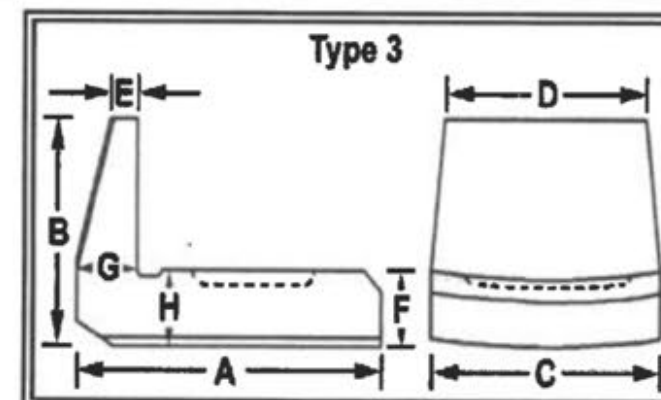
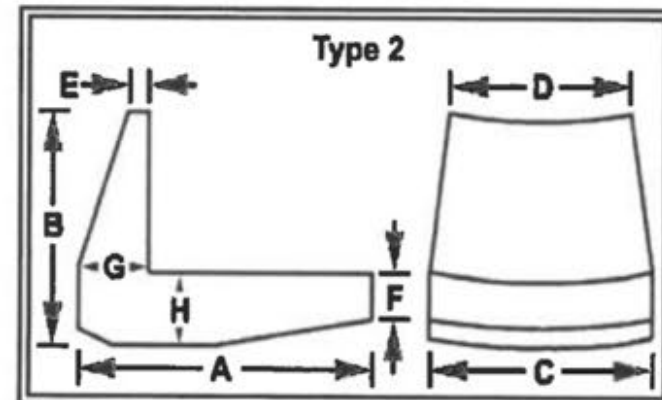
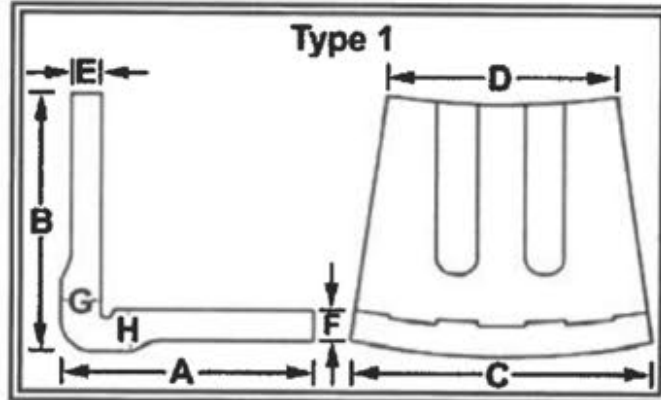


Sizes - Tailles Grösse - Taglia	A (+/- 1 mm)	B (+/- 1 mm)
V13	45	43
V17	45	51
V19	48	64
V23	48	72
V29	75	76
V33	82	86
V39	91	96
V43	102	108
V51	108	117
V59	117	129
V61	127	133
V69	142	168
V71	155	184
V81	181	214



# WELD ON HEEL SHROUDS

Special Sizes available on request



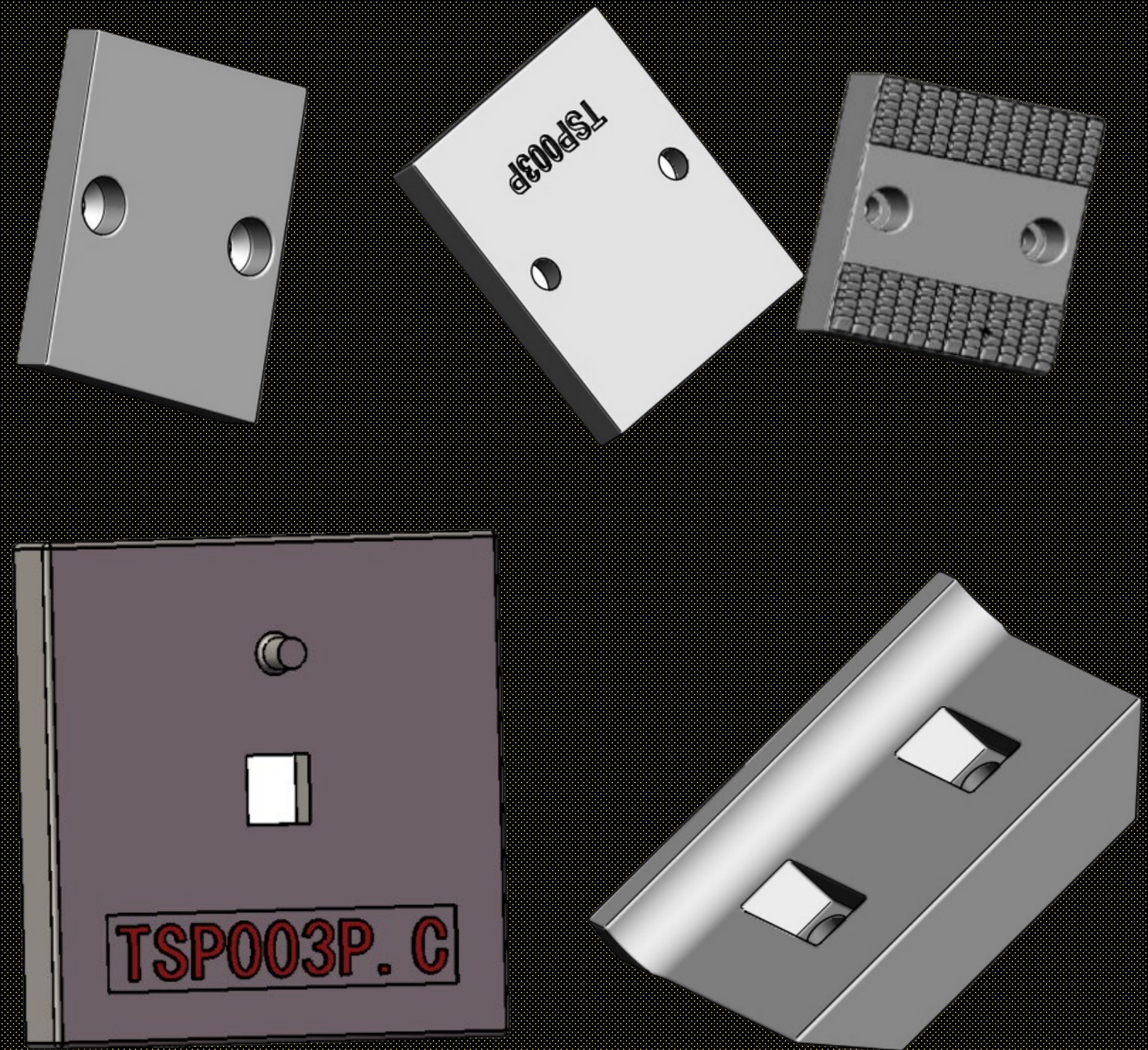
WELD ON HEEL  
SHROUDS

Note: Items shown in **large bold** are stocked items.

Part No.	Type		Dimensions (mm)								Mass (kg)
			A	B	C	D	E	F	G	H	
<b>6198</b>	1 no recess		260	275	467	405	40	40	60	60	77.8
<b>6105</b> KC-300BHS	1		250	190	292	239	30	29	50	50	28.2
<b>6180-7</b> ES6697-7	3		350	250	250	220	<b>30</b>	100	<b>75</b>	<b>100</b>	82.0
<b>6180-5</b> ES6697-5	3		300	200	250	220	35	50	65	50	40.0
<b>6180-2</b> ES6697-2	3		250	150	188	165	20	50	50	50	21.5
<b>6180</b>	2		210	150	160	137	15	30	45	50	14.0

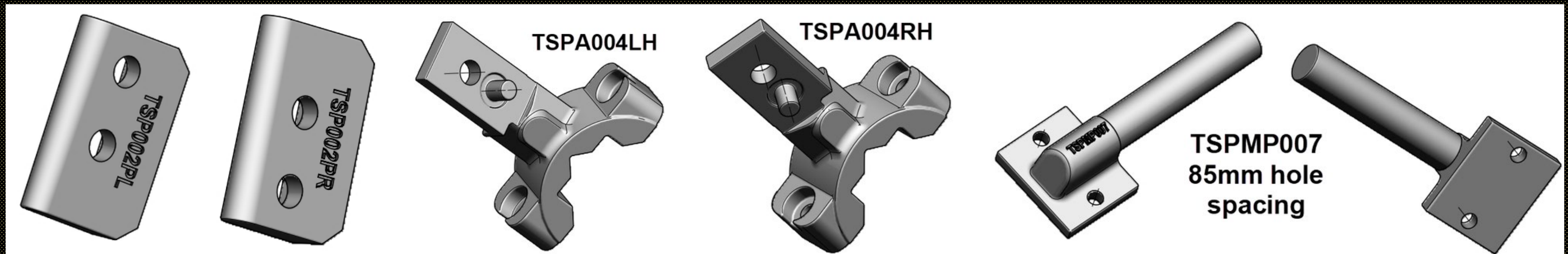
# PUGMILL PADDLE FACES

SPECIAL ALLOY AND NI-HARD CAST PUGMILL PADDLE FACES.  
CAN CAST TO ANY DESIRED SHAPE



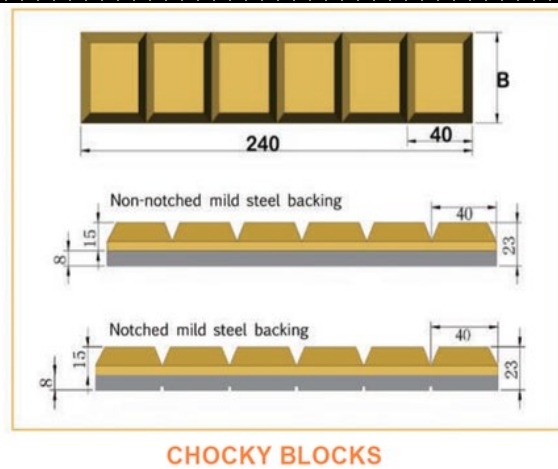
# PUGMILL PADDLE ARMS

SPECIAL ALLOY CAST PUGMILL PADDLES.  
CAN CAST TO ANY DESIRED SHAPE

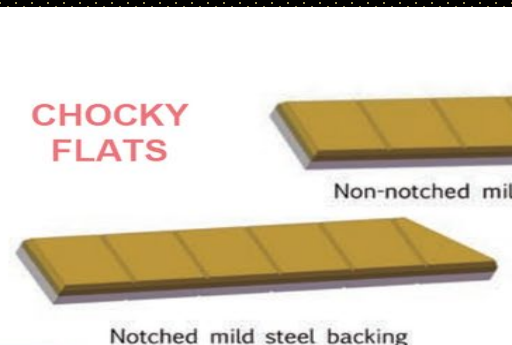


# BI-METAL WEAR BITS

Item No.	Size (mm)	Dimension(mm)				N.W. (kg)
		A	B	C	D	
CB 25	240x25x23	240	25	15	23	0.9
CB 40	240x40x23	240	40	15	23	1.5
CB 50	240x50x23	240	50	15	23	1.9
CB 65	240x65x23	240	65	15	23	2.5
CB 80	240x80x23	240	80	15	23	3.2
CB 90	240x90x23	240	90	15	23	3.5
CB 100	240x100x23	240	100	15	23	3.9
CB 130	240x130x23	240	130	15	23	5.4
CB 150	240x150x23	240	150	15	23	6.0



	Dimension(mm)				N.W. (kg)
	A	B	C	D	
2	240	25	6	6	0.6
2	240	40	6	6	0.9
2	240	50	6	6	1.2
2	240	65	6	6	1.6



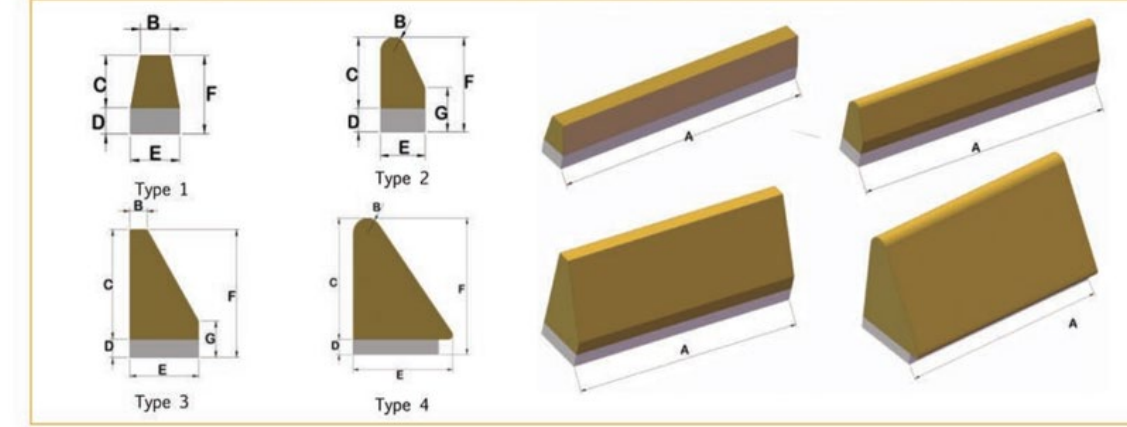
Size (mm)	Dimension(mm)					N.W. (kg)
	A	B	C	D	E	
ø75x25	75	25	17	8	25	0.7
ø100x25	100	25	17	8	50	1.0
ø100x32	100	32	24	8	70	1.0
ø130x23	130	23	15	8	80	1.3
ø148x35	148	35	25	10	108	2.2



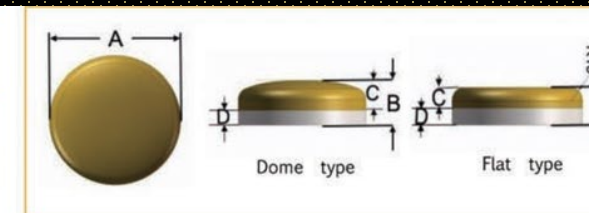
Type	Item No.	Size (mm)	Dimension(mm)							N.W. (kg)
			A	B	C	D	E	F	G	
1	SWB 200	200x13x30	200	13	20	10	20	30	-	0.8
	SWB 244	244x10x35	244	10	25	10	25	35	-	1.3
	SWB 202	202x10x35	202	10	25	10	25	35	-	1.1
2	SWB 275	275x5x29	275	5	21	8	16	29	16	0.9
	SWB 150	150x10x70	150	10	60	10	40	70	20	2.4
3	SWB 200	200x25x59	200	3	47	12	25	59	-	1.5
	SWB 400	400x25x59	400	3	47	12	25	59	-	2.9
4	SWB 125	125x10x90	125	10	80	10	70	90	-	4.3
	SWB 200-4	200x25x50	200	10	38	12	25	50	-	1.5
	SWB 400-4	400x25x50	400	10	38	12	25	50	-	2.9



**SHAPED WEAR BARS**



No.	Size (mm)	Dimension(mm)				N.W. (kg)
		A	B	C	D	
20	ø60x27	60	27	17	10	0.7
25	ø75x27	75	27	17	10	0.8
30	ø90x27	90	27	17	10	1.4
10	ø110x32	110	32	20	12	2.1
15	ø115x32	115	32	20	12	2.5
50	ø150x41	150	41	25	16	5.7



**WEAR BUTTONS**

SPECIAL SIZES  
AND SHAPES  
MADE ON  
REQUEST, PER  
YOUR  
DRAWING

A. Material : ASTM A532 15/3CrMo

C	Cr	Mn	Mo	Cu	P	Si	S	B.V.Nb
2.5-3.5	15-18	0.5-1.0	0.5-2.5	0.5-1.0	0.02max	0.5-1.0	0.02max	0.1-0.5

B. Mechanical Property:

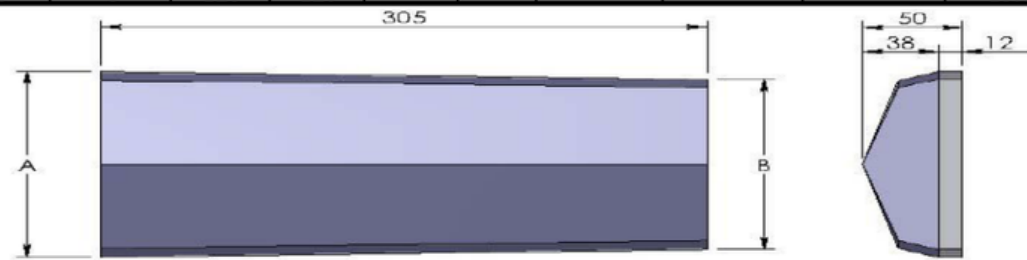
- 1) Tensile Strength 630Mpa Min.
- 2) Shearing Strength 250Mpa Min.
- 3) Hardness 63 HRC (700BHN)

# GRIZZLY BARS IN BIMETAL

Material 42CrMo

## Standard Sizes

Part No.	TYPE	A	B	C	D	E	F	G	Weight (kgs)
<b>Type A - 150/50 taper</b>									
DLP 2067	A	150.0	137.5	-	-	-	-	-	13.6
DLP 2068	A	137.5	125.0	-	-	-	-	-	12.5
DLP 2069	A	125.0	112.5	-	-	-	-	-	11.2
DLP 2070	A	112.5	100.0	-	-	-	-	-	10.0
DLP 2071	A	100.0	87.5	-	-	-	-	-	8.8
DLP 2072	A	87.5	75.0	-	-	-	-	-	7.5
DLP 2073	A	75.0	62.5	-	-	-	-	-	6.3
DLP 2074	A	62.5	50.0	-	-	-	-	-	5.1
<b>Type B - 150/75 taper</b>									
DLP 2075	B	150	141	-	-	-	-	-	13.8
DLP 2076	B	141	131	-	-	-	-	-	12.9
DLP 2077	B	131	122	-	-	-	-	-	11.9
DLP 2078	B	122	113	-	-	-	-	-	11.1
DLP 2079	B	113	103	-	-	-	-	-	10.1
DLP 2080	B	103	94	-	-	-	-	-	9.2
DLP 2081	B	94	84	-	-	-	-	-	8.3
DLP 2082	B	84	75	-	-	-	-	-	7.4
<b>Type C - 180/120 taper</b>									
DLP 2083	C	180	171	-	-	-	-	-	18.5
DLP 2084	C	171	163	-	-	-	-	-	17.6
DLP 2085	C	163	154	-	-	-	-	-	16.7
DLP 2086	C	154	146	-	-	-	-	-	15.8
DLP 2087	C	146	137	-	-	-	-	-	14.9
DLP 2088	C	137	128	-	-	-	-	-	13.9
DLP 2089	C	128	120	-	-	-	-	-	13.0



STANDARD GRIZZLY BAR



TYPE A - GRIZZLY BAR ASSEMBLY



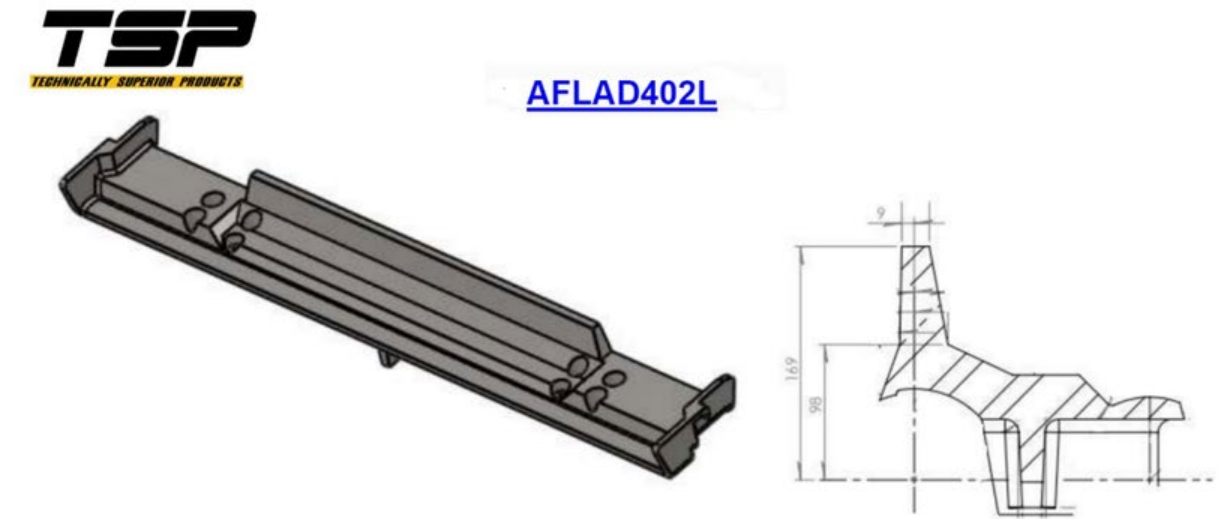
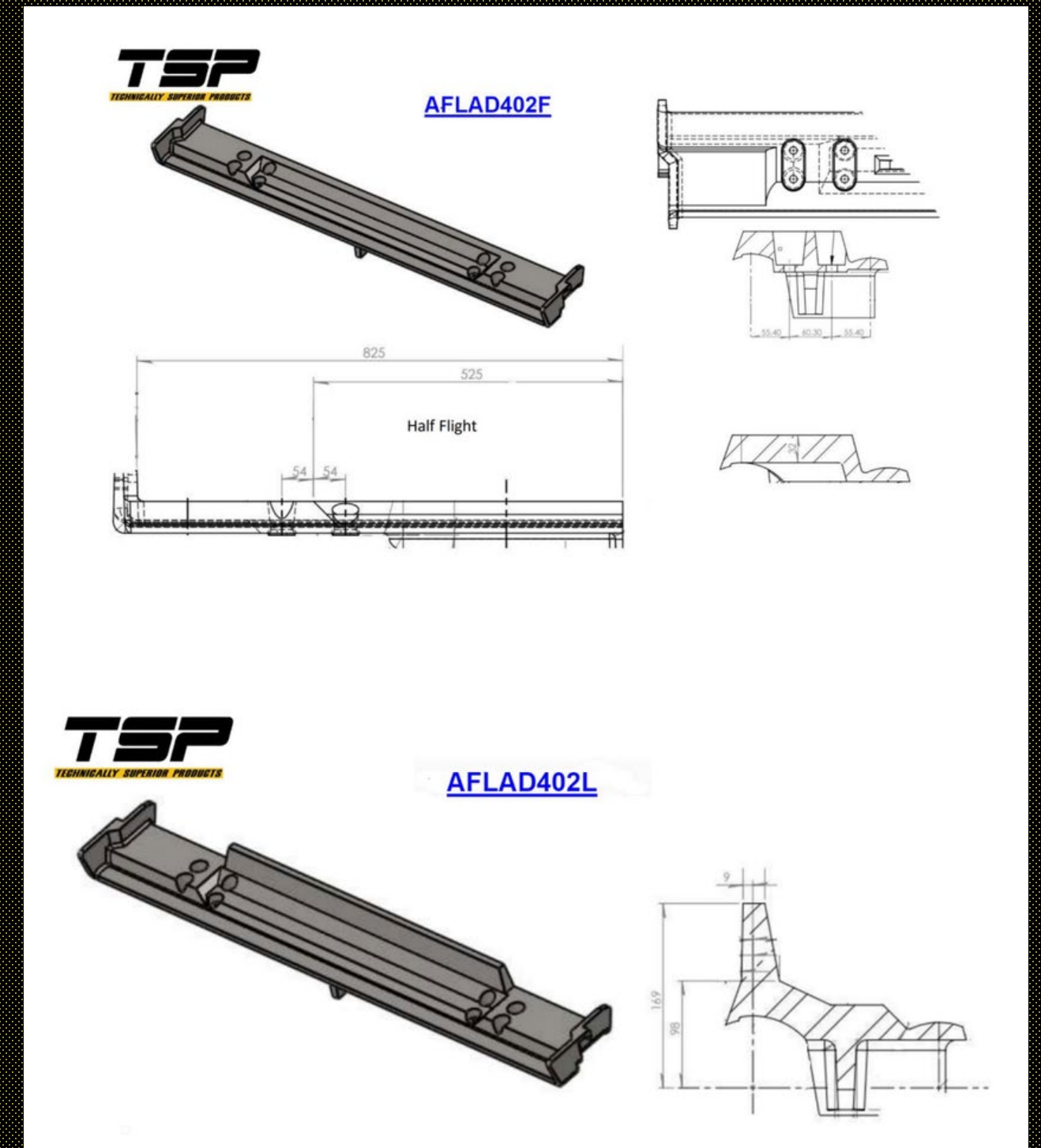
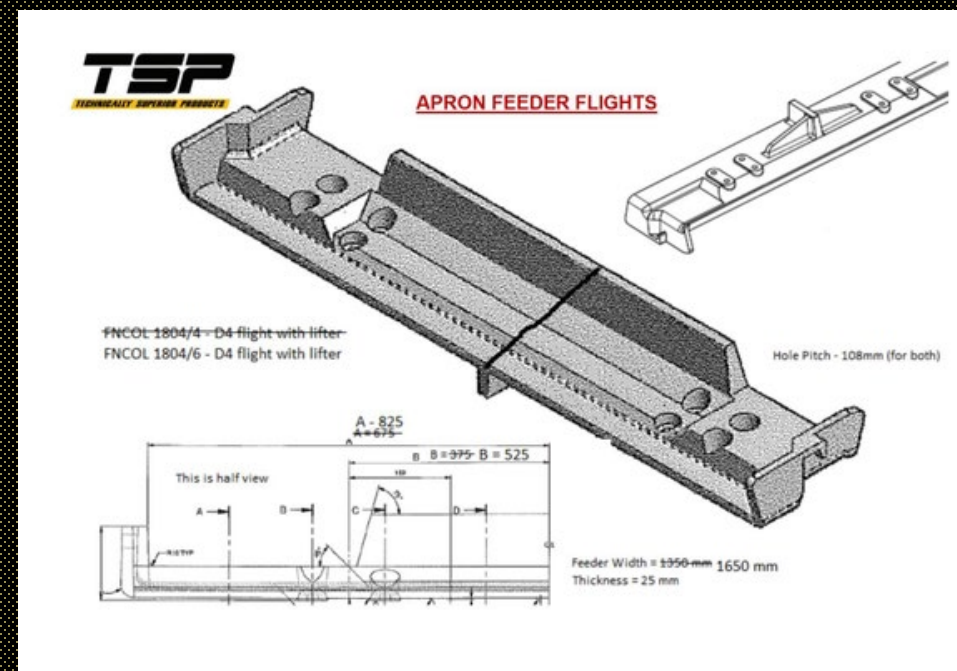
TYPE B - GRIZZLY BAR ASSEMBLY



Special Sizes available on request.

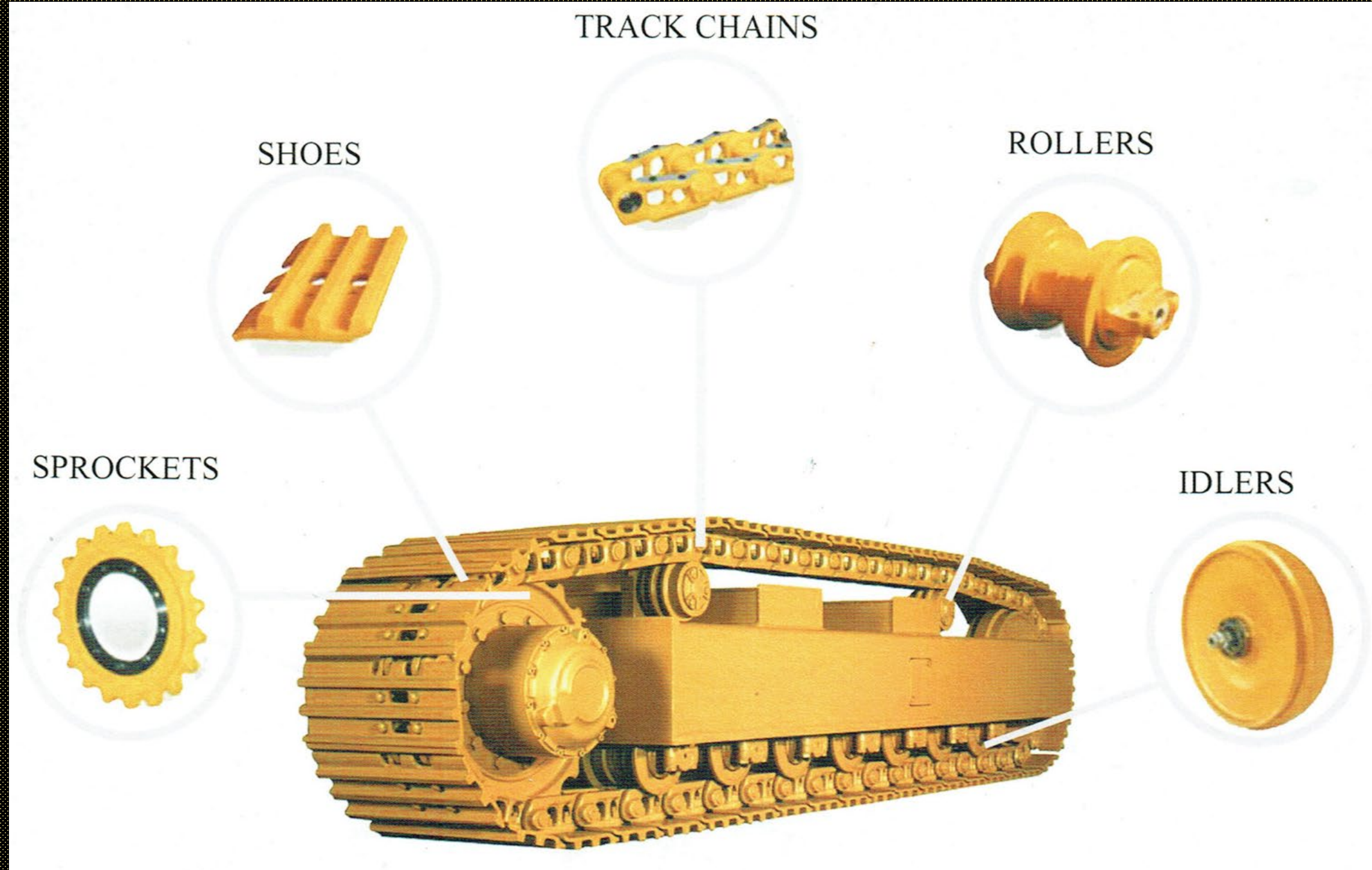
# APRON FEEDER FLIGHTS

Apron Feeders for D4, D6, D6HD, D8 in thickness 25 mm, 32 mm, 38 mm and width's upto 2 meters



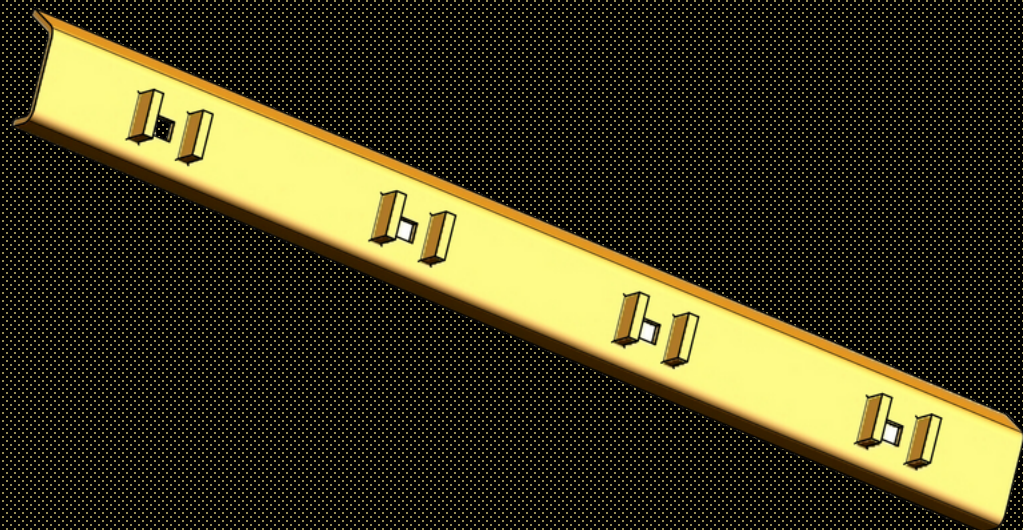
# TRACK GROUPS

FOR MOST POPULAR BRANDS OF EXCAVATORS AND DOZERS.  
SEALED AND SALT



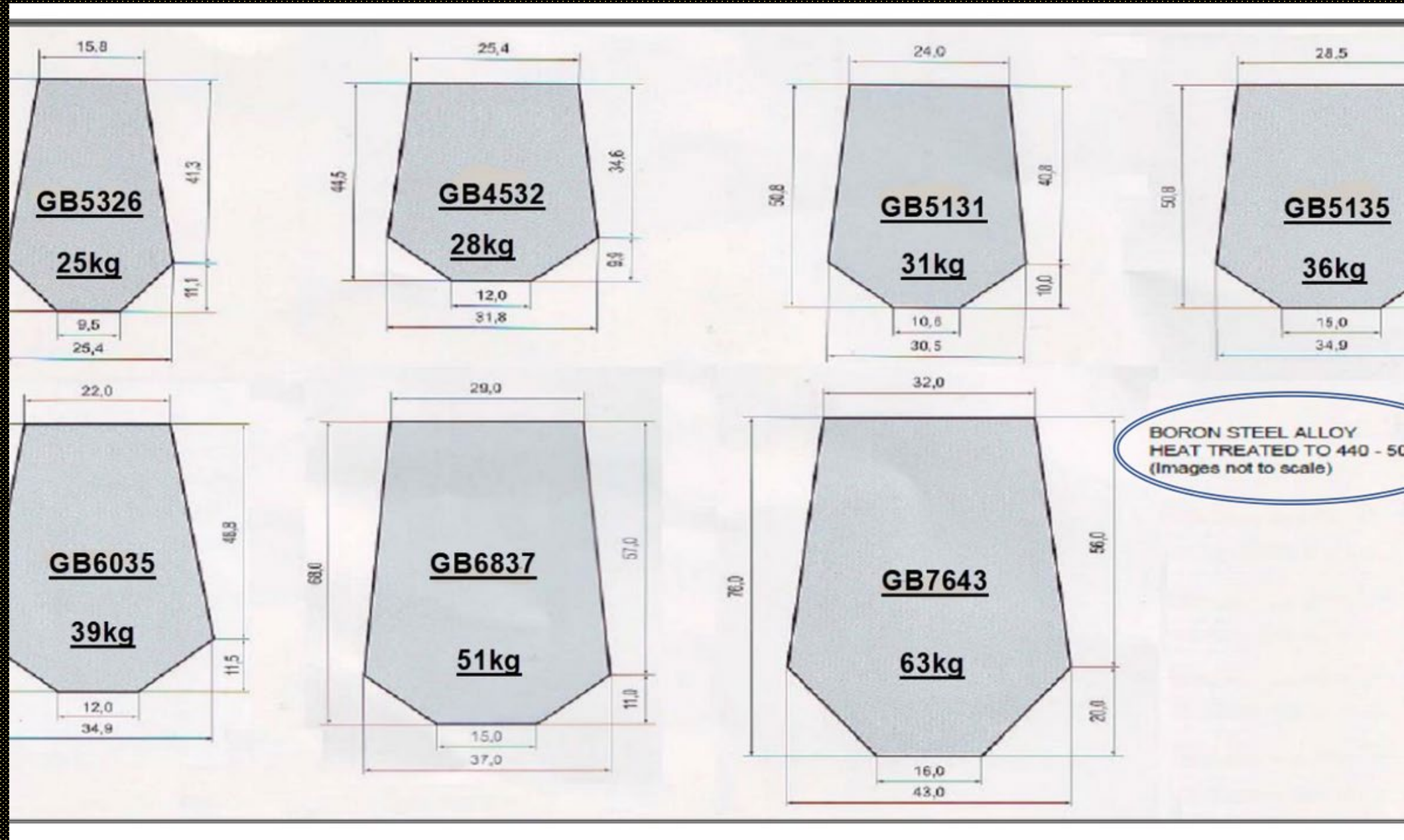
# SCREEN HARDWARE & PUNCH PLATES

LASER/WATERJET/PLASMA CUT PUNCH PLATES /SCREENS in **BIS, Bi-Metal and CrC Plates** TO ANY SHAPE  
EXCLUSIVE **GR 10.9** HARDWARE, **FORGED** AND **DIE-CUT THREADS**. STRAINERS BARS IN VARIOUS SIZES,  
MATERIALS AND COATINGS



# GROUSER BARS

EACH GROUSER BAR IS 3 M LONG AND MADE FROM  
**BORON ALLOY STEEL**



# CLADDDED EXTREME WEAR PLATE

CAN MAKETO ANY DESIRED SHAPE AND COMPOSITION.

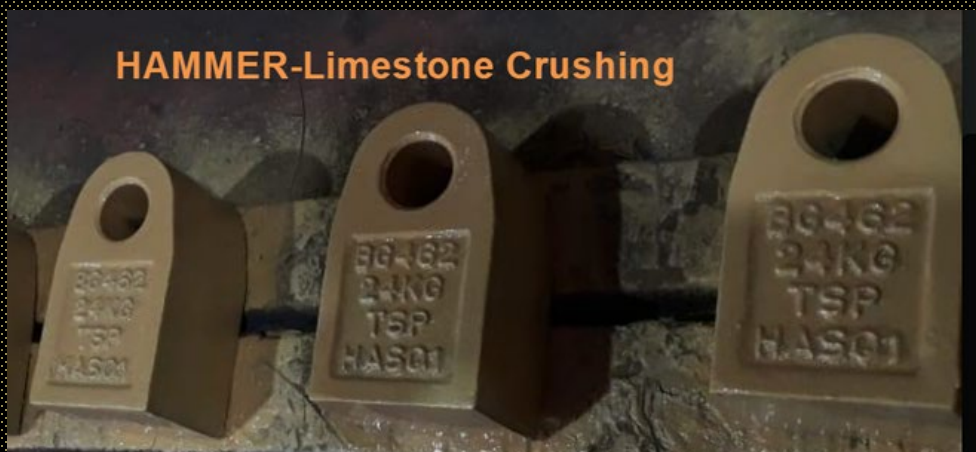
COUNTERSUNK INSERTS AND STUD WELD OPTIONS

VARIOUS GRADES OF WEARPLATES TO SUIT DEMANDING APPLICATIONS OF THE INDUSTRY

Grade	Chromium in %	Carbon in %	Other Key Elements	Hardness Rockwell C	Recommended Applications
ULTRABASE	13-15	3.5-4.5	Mn	50-52	Areas exposed to high impact and moderate abrasion
ULTRAPLATE 1000	18-22	3.5-4.5	Mn,B	57-60	Areas exposed to impact and abrasion
ULTRAPLATE 2000	20-24	4.0-5.0	Mn,B,Nb	60-62	Areas exposed to abrasion/erosion
ULTRAPLATE 3000	22-26	4.0-5.0	Mn,B	57-60	Areas exposed to impact and severe abrasion
ULTRAPLATE 4000	24-26	4.5-5.5	Nb,V, B	60-62	Areas exposed to erosion/abrasion at high temperature upto 800 Deg C
CCC	26-28	4.5-5.5	Mn,B,Ni	57-60	Areas exposed to severe impact and abrasion
CTC 2000	24-28	4.5-5.5	Nb,V,W,B	60-65	Areas exposed to severe abrasion/ erosion at high temperature



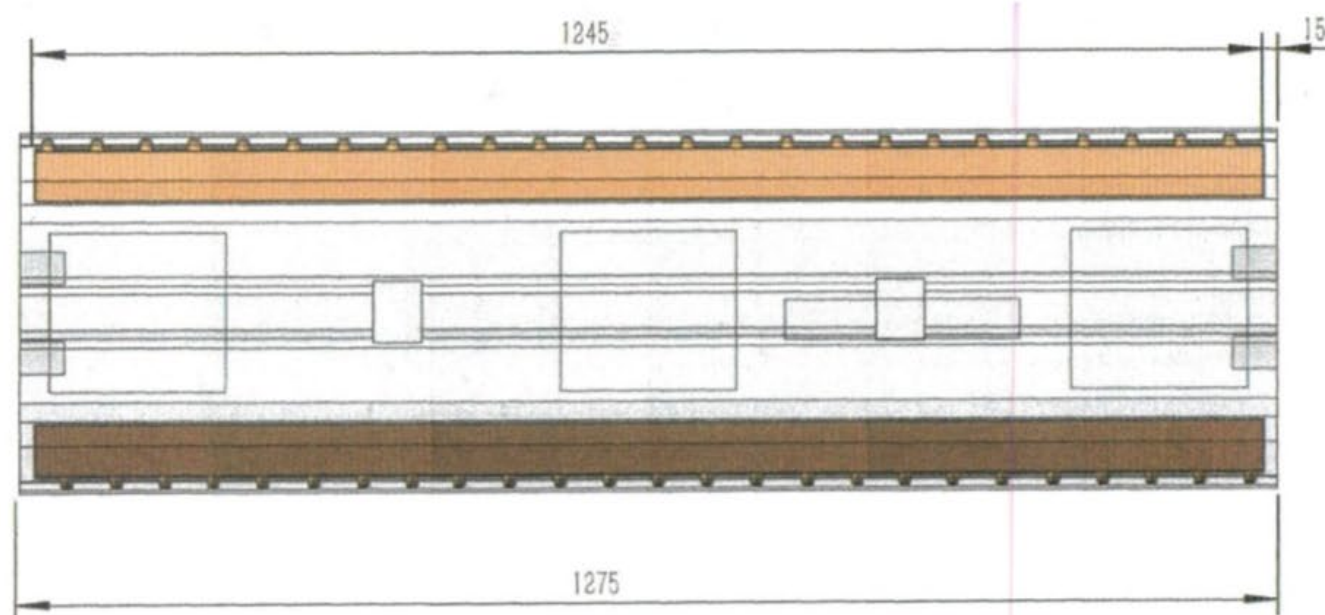
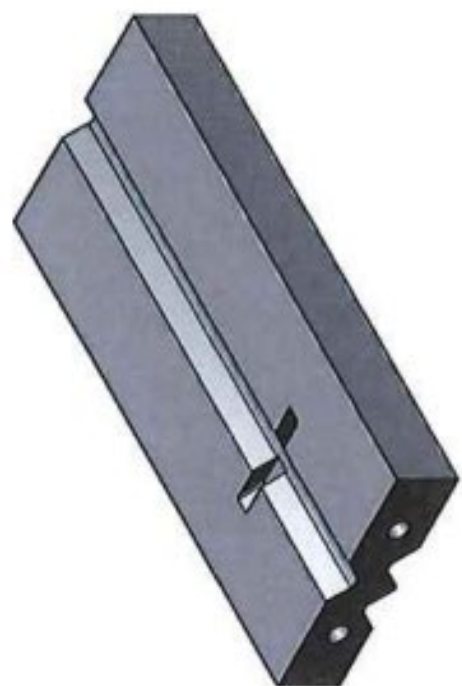
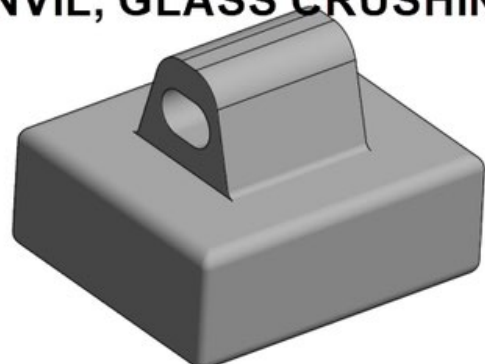
# HAMMERS, BLOWBARS AND ANVILS



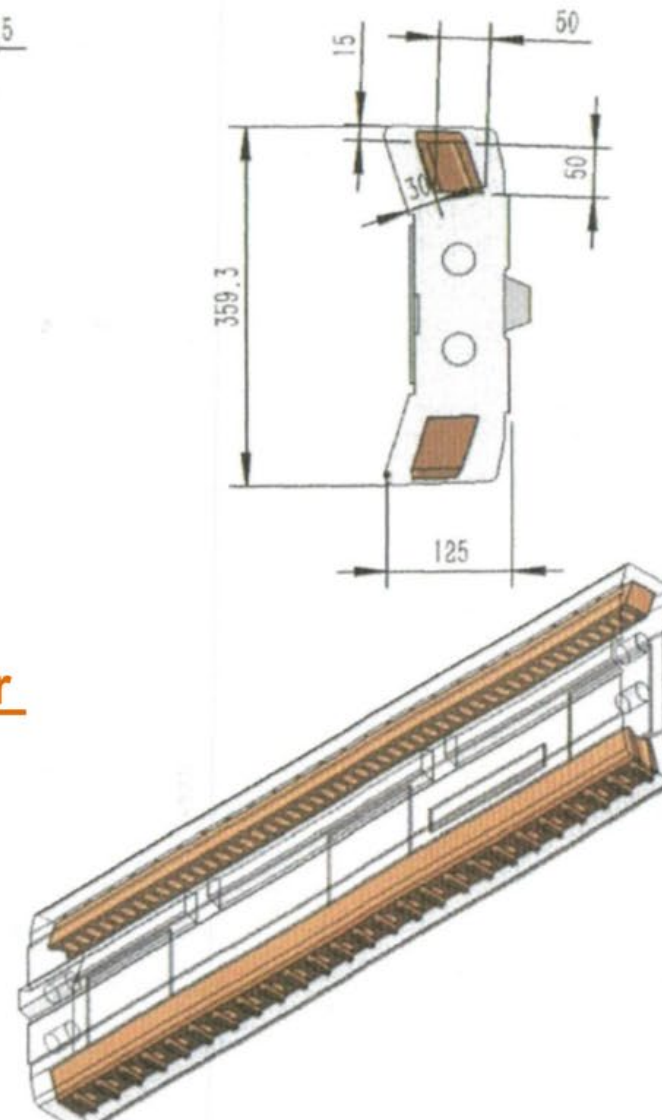
HAMMER-Limestone Crushing

CAN CAST TO ANY DESIRED SHAPE,  
PER YOUR SAMPLE OR DRAWING

ANVIL, GLASS CRUSHING



Impactor Bar with Carbides for  
Kleenmann MR130Z



Impeller



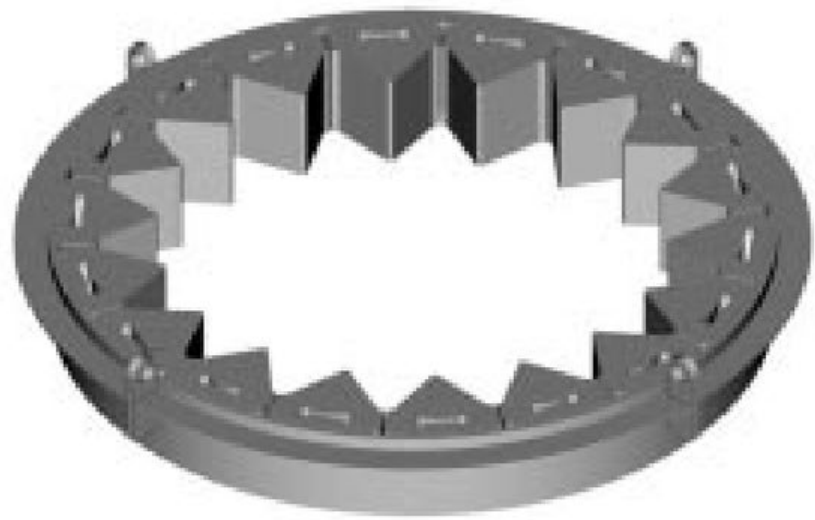
Grates



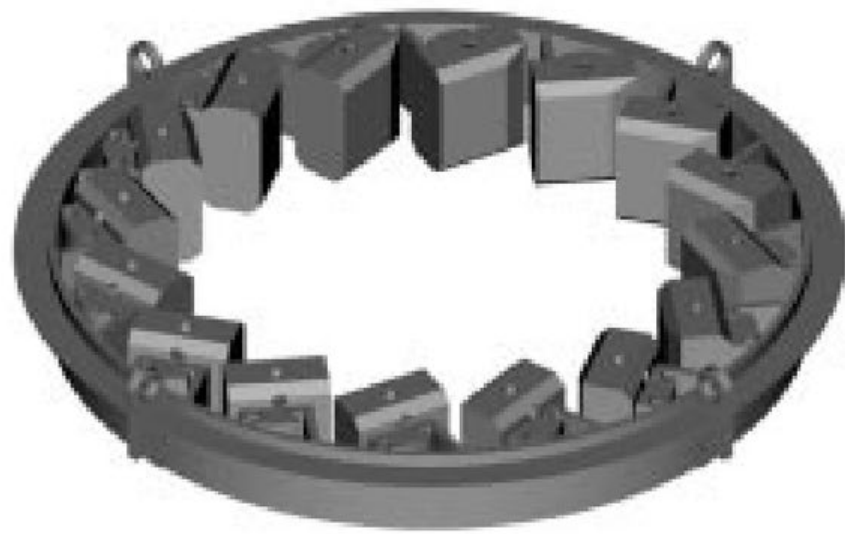
Pitman

# VSICRUSHER WEAR PARTS

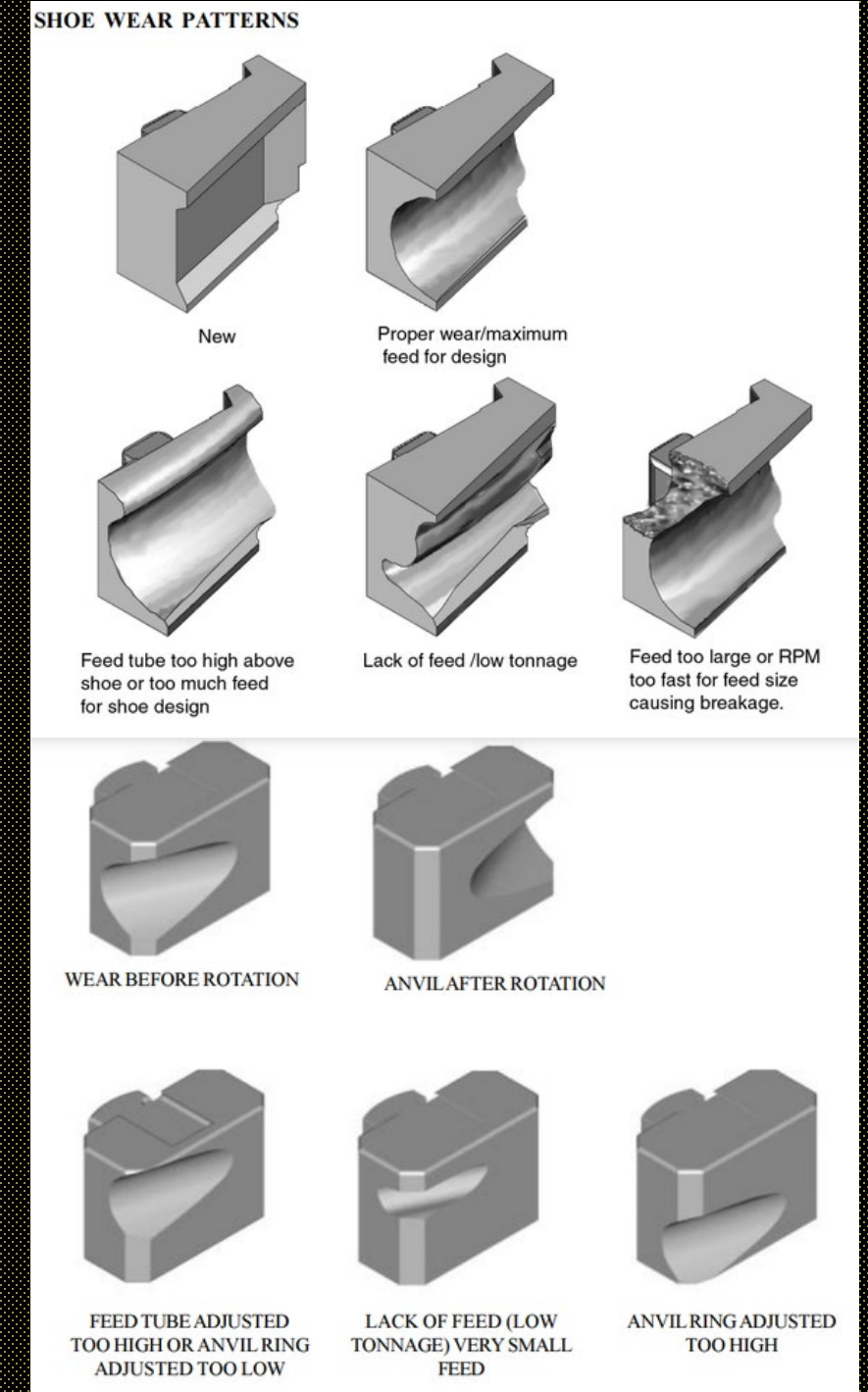
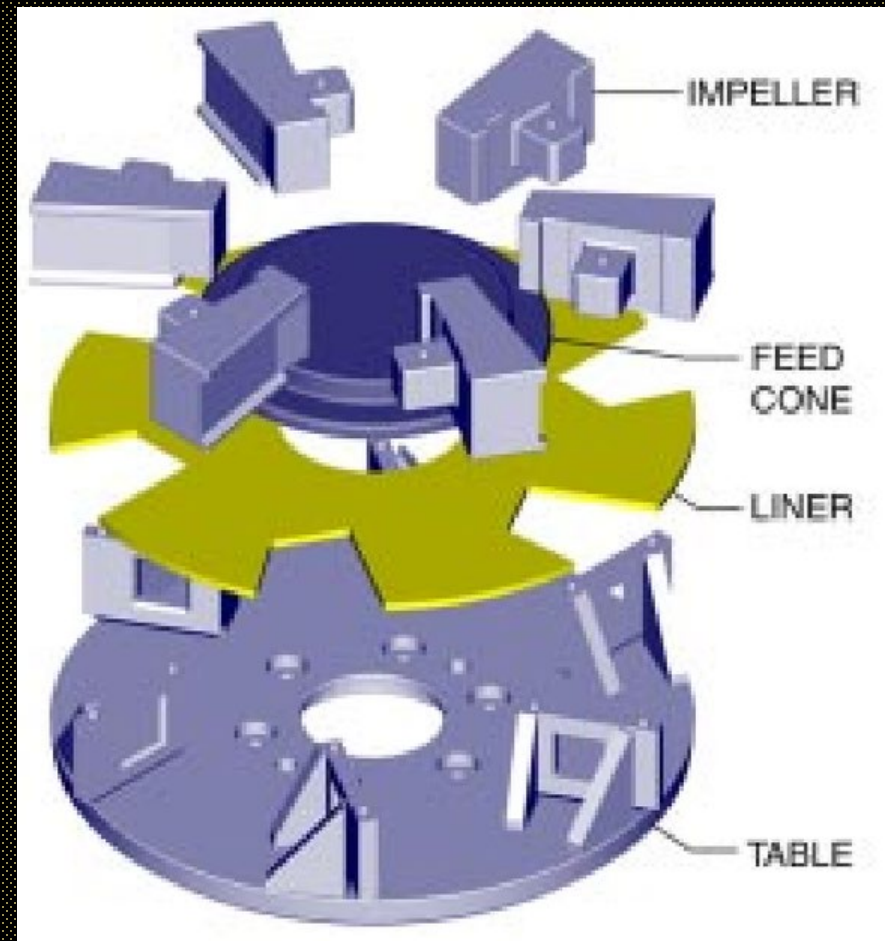
CAST TO ANY DESIRED SHAPE AND MATERIAL SPECIFICATION, TO SUIT YOUR DRY OR WET APPLICATION



*Vaulted anvil ring*



*Stob anvil ring*

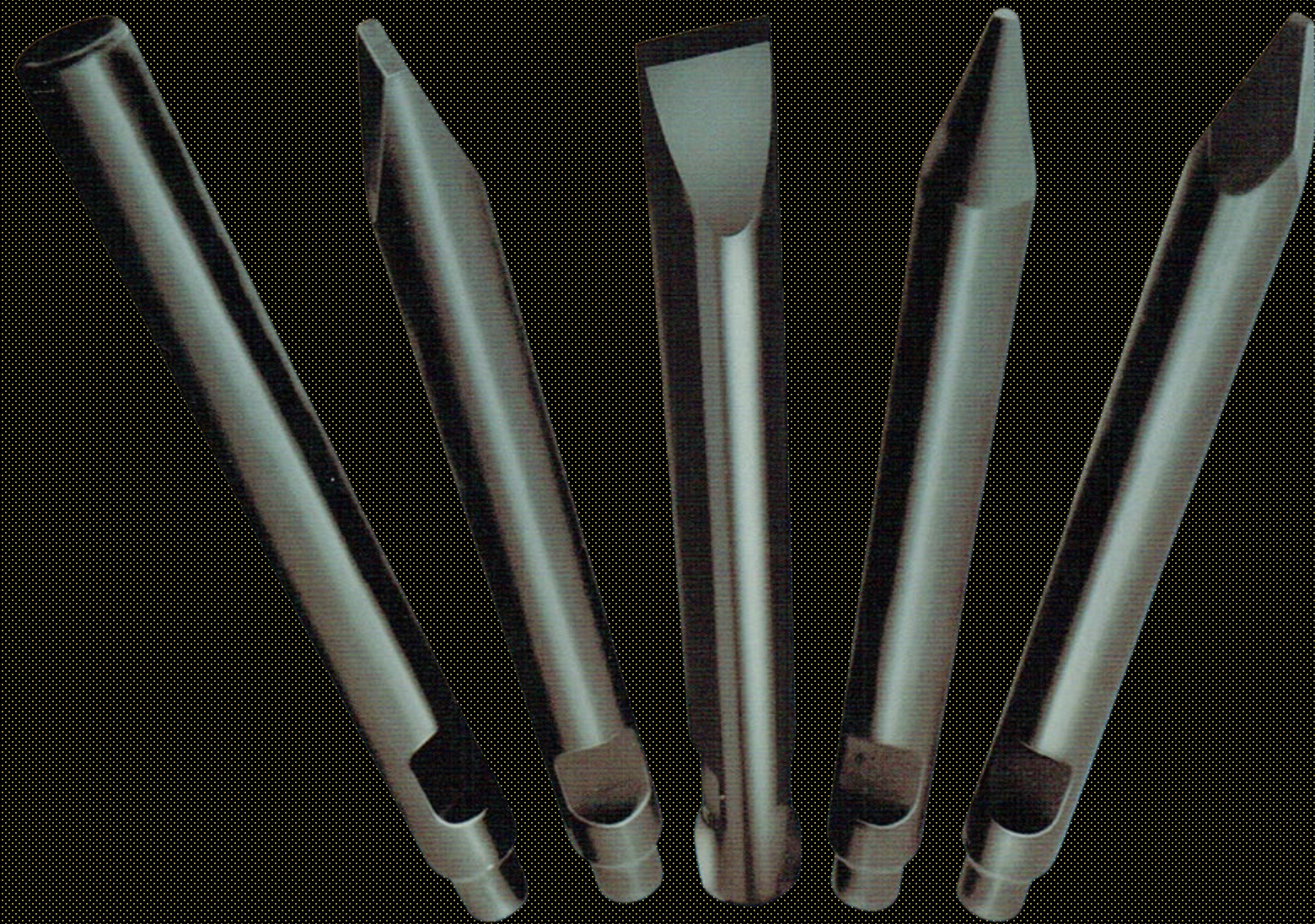


WHERE THERE IS WEAR, WE ARE THERE



# TOOLS FOR HYDRAULIC HAMMERS

FOR MOST BRANDS OF HYDRAULIC HAMMERS.



WHERE THERE IS WEAR, WE ARE THERE

# ASPHALT PLANT WEAR PADDLES

AVAILABLE BASED ON SAMPLES /DRAWINGS YOU PROVIDE.

