

# **HIRCO TOOLS**

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Manufacture of Industrial Knives, Cutters HSS & Carbide Tipped Tools

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## **Cutting Tools for Tyre Industries**



Bias Cutter

Score Slitter Blade

Crush cutter

Cameron type

Top cutter/ Male knives

Bottom cutter/ Female Knives

Vent trimming blades

Mill knives

Spadeone tread knives

Auto skiver blade

Steel cord blade

## Banner Bias Cutting Knives

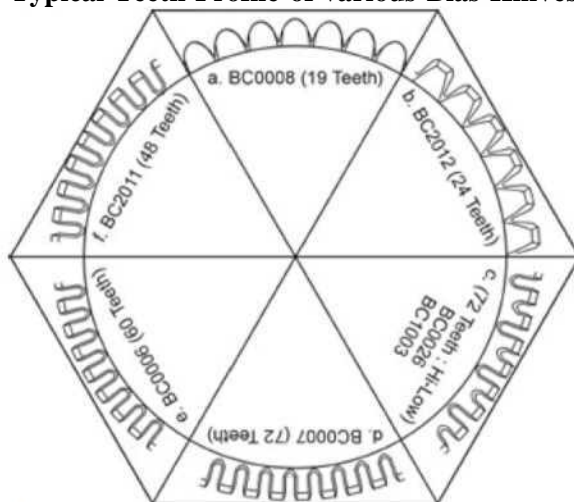
### **Application**

Specially used in manufacturing Automobile Tyres, Truck tyres, etc. for cutting Rubber Sheets.

### **Standard**

OD	ID	Thick	Teeth	
94	19	0.9	19	
3.3/4"	3/4"	1/27"	19	
94	19	0.9	72	
3.3/4"	3/4"	1/27"	72	
98	25.4	1 mm	72	(Hi-Low) Tooth Profile
105	19	1 mm	72	(Hi-Low) Tooth Profile
95	19	0.9	60	
3.5/8"	3/4"	1/27"	60	
95	19	0.9	48	
3.5/8"	3/4"	1/27"	48	
95	19	1	30	
3.5/8"	19	0.9	30	
95	19	1	24	

### **Typical Teeth Profile of various Bias Knives**



### **Material**

AISI - D2(HCHCr) / AISI - M2 (HSS)

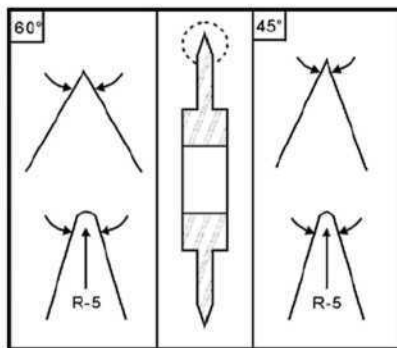
## Scoring Slitter Blades/Crush Cutter/Cameron Type Slitter

### **Application**

Generally used for slitting/scoring the fabric in tyre industries. Also used in paper converting, Film slitting and many other application. Suitable for machines like Cameron/Arrow/Ashton/Dusenbery/Johnstone & Others.

### **Other Accessories**

Pneumatic holder also available for score slitters. Send your sample or sketch.



#### Standard

OD	ID	Thick	HUBØ
75	19	6.35	45
76.2	19	5.5	60
76	22	6.35	45
3"	3/4"	1/4"	
3"	7/8"	1/4"	
3"	19	1/8"	46

Various Slitters/Scorers/Crushers with cutting Angles & degree.

#### Material

SAE 52100/ AISI D2. Also available in HSS.

### Top Cutter / Male Knives

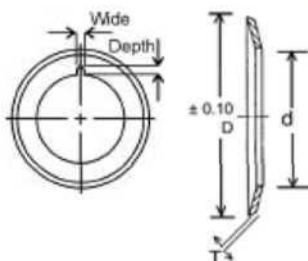
#### Application

Slitting of Paper, Film, Aluminium Foil, Rubber, Leather Cloth, etc.

#### Standard

Top Knives - Plain Bore

D	d	Wide	Depth	Thickness	
				T1	T2
100	70	2.5	3	1	1.2
130	80	3.5	3.5	1.5	
130	100	3.6	4	1.5	



#### Material

SAE 52100 / AISI - D2. Also available in H.S.S.

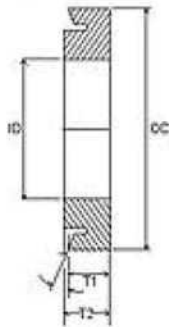
## Bottom Cutters / Female Knives

### Application

### Standard

Bottom Shear Knives / Female Knives with Plain Bore.

OD	ID	Thickness	
		T1	T2
80	60	3.5	5
80	60	8	10
105	90	8	10



### Material

SAE 52100 / AISI D2 or as per your requirements

## Vent Trimming Blades

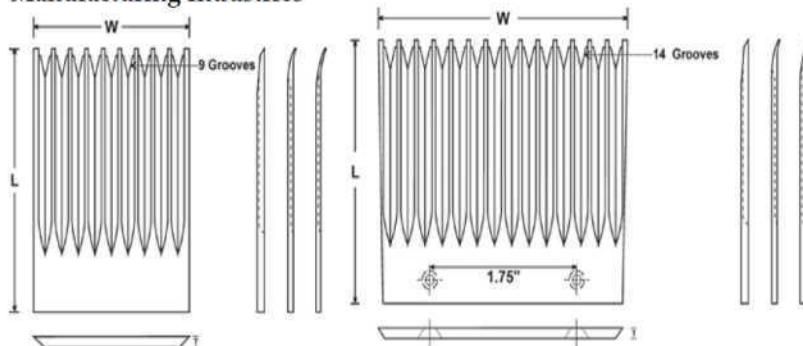
### Application

Used exclusively in tyre manufacturing industry and tyre remoulding industries to trim the vents on the fabricated tyres after it comes out of molding.

### Standard

L	W	T	No. of Grooves
1.7/8"	2"	0.083"	9
47 mm	50 mm	2.1 mm	9
3"	2"	0.083"	14
75	50	2	14

Typical line sketches of various Vent Trimming Knives used in Tyre Manufacturing Industries



### Material

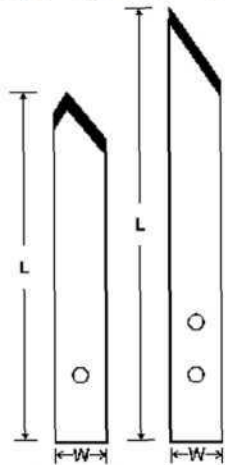
AISI - D2. Also available in HSS

### Mill Knives

#### **Application**

#### **Standard**

L	W	T	
6"	1"	1/8"	
6"	1"	1/4"	
8"	1"	1/8"	
8"	1"	1/4"	
152	25	3	
152	25	6	
200	25	3	
200	25	6	
200	35	15	
200	40	3	With or without holes.



#### **Material**

AISI - D2. Also available in HSS

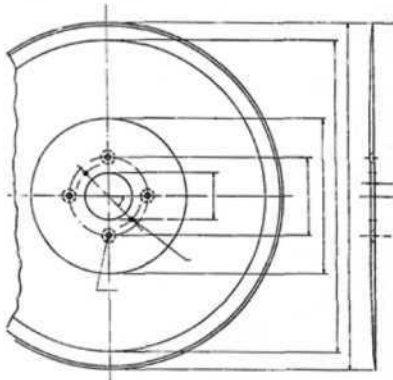
### Spadone Tread Knives / Auto Skiver Blades

#### **Application**

Used in cutting Rubber in Tyre manufacturing Industries on auto skiver machines.

#### **Standard**

OD	ID	Thick
20"	2.75"	0.25"
20"	2.75"	4.5 mm
505 mm	70	6 mm
600 mm	35	1/4"
10"	5/8"	3/32"
400	50	5 mm
17"	60	0.15"
17"	2.5"	0.15"



#### **Material**

AISI - D2. Also available in HSS

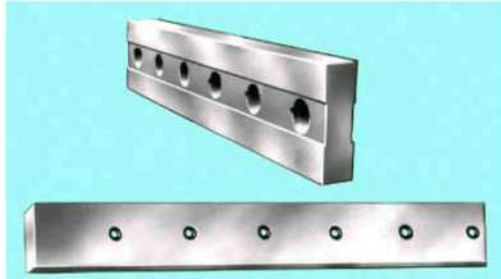
### **Steel Cord Blade**

#### **Application**

For cutting steel Reinforced Rubber generally used in Radial Tyre Plant.

#### **Standard**

Size upto 4 Mtr. long.



#### **Material**

AISI-D2 or carbide inserted as per drawing.

Hope above details suits your need

If you have any query please feel free to contact us

Waiting for our long term Business relationship

For HIRCO TOOLS

Deepak Makati

Proprietor