



Cutting Tool

**Solutions for
Oil Industry &
Tubes.**

www.tantal.com



Know more about
Cutting Tools.

Cutting tool solutions for the production of both seamless and welded pipes.

Tantal ® supplies customized inserts, chip breaker and associated shim seat for optimized machining processes and chip control thanks to integrated coolant channels.

Our expertise, know-how and technical support are dedicated to find the most adapted solutions to chip control.

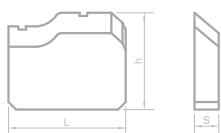
We are specialized in tool solutions from the edge preparation (milling or specific machining process) of the plate before welding, internal and/or external scarfing, pipe cutting up to pipe end chamfering.

We provide tailor-made solutions for all kind of production lines.

Additionally, Tantal is an approved manufacturer of **Tenaris Group**.

Chipbreakers

CHIP BREAKER HYDRIL THREADING INSERT



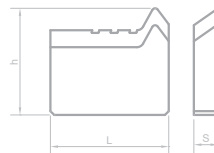
Dimensions

Coating

L	h	s	Hyperlox	HSN2
15,6 mm	12,8 mm	3 mm	✓	✓

Available with coolant grooves and cavity.

CHIP BREAKER INTERNAL THREADING INSERTS



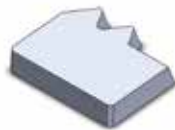
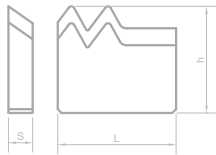
Dimensions

Coating

L	h	s	Hyperlox	HSN2
15,6 mm	14 mm	3 mm	✓	✓

Available with coolant grooves and cavity.

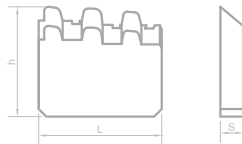
CHIP BREAKER INTERNAL THREADING INSERT



Dimensions			Coating	
L	h	s	Hyperlox	HSN2
15,6 mm	14 mm	3 mm	✓	✓

Available with coolant grooves and cavity.

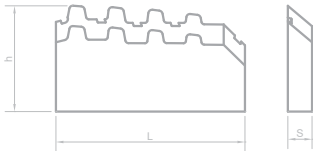
CHIP BREAKER THREADING INSERT PULLING 5HPP



Dimensions			Coating	
L	h	s	Hyperlox	HSN2
15,6 mm	14 mm	3 mm	✓	✓

Available with coolant grooves and cavity.

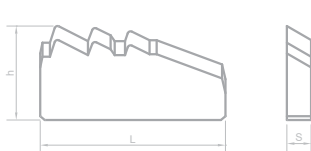
CHIP BREAKER INTERNAL THREADING INSERT 5HPP



Dimensions			Coating	
L	h	s	Hyperlox	HSN2
25,2 mm	14 mm	3 mm	✓	✓

Available with coolant grooves and cavity.

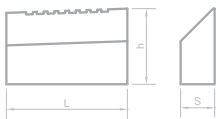
CHIP BREAKER INTERIOR THREADING INSERT



Dimensions			Coating	
L	h	s	Hyperlox	HSN2
25,2 mm	14 mm	3 mm	✓	✓

Available with coolant grooves and cavity.

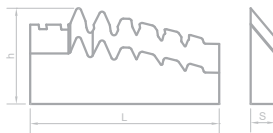
CHIP BREAKER INTERNAL THREADING INSERT



Dimensions			Coating	
L	h	s	Hyperlox	HSN2
16,3 mm	10 mm	4,5 mm	✓	✓

Available with coolant grooves and cavity.

CHIP BREAKER INTERNAL THREADING INSERT 8HPP



Dimensions			Coating	
L	h	s	Hyperlox	HSN2
25,2 mm	14 mm	3 mm	✓	✓

Available with coolant grooves and cavity.

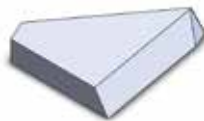
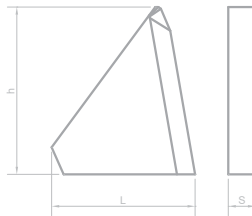
CHIP BREAKER SPECIAL EXTERNAL THREADING INSERT



Dimensions			Coating	
L	h	s	Hyperlox	H✓
32 mm	12,5 mm	4,5 mm	✓	✓
35 mm	12,8 mm mm	4,5 mm	✓	✓

Available with coolant grooves and cavity.

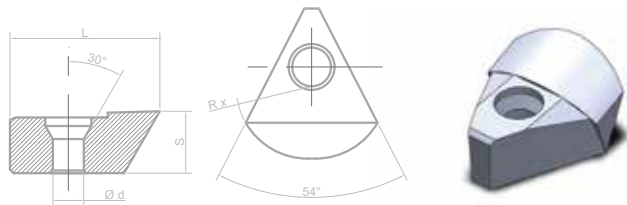
BULLET NOSE CHIP BREAKER



Dimensions			Coating	
L	h	s	Hyperlox	HSN2
26,5 mm	36 mm	6 mm	✓	✓
25 mm	31 mm	6 mm	✓	✓
14 mm	16,5 mm	3 mm	✓	✓

Inserts

INTERNAL SCARFING INSERT

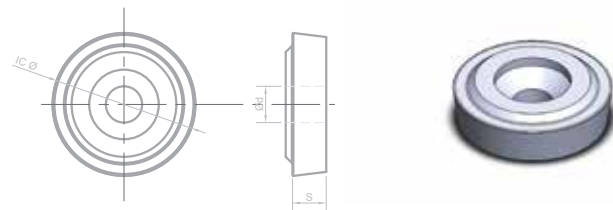


Dimensions

Coating

L	R x	Ø d	S	Hyperlox	HSN2
31 mm	20 mm	6,65 mm	13,30 mm	✓	✓
31 mm	30 mm	6,65 mm	13,30 mm	✓	✓
31 mm	1/2"	6,65 mm	13,30 mm	✓	✓

ROUGHING INSERT

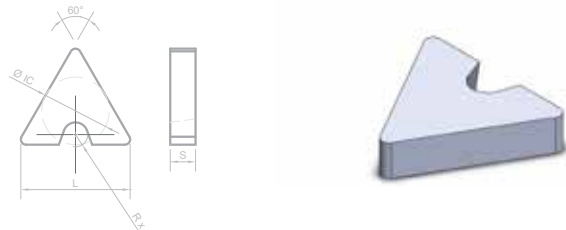


Dimensions

Coating

Ø IC	Ø d	S	Hyperlox	HSN2
25,2 mm	7 mm	6 mm	✓	✓
19 mm	4,8 mm	4,5 mm	✓	✓
15,8 mm	4,5 mm	3 mm	✓	✓

BULET NOSE INSERT



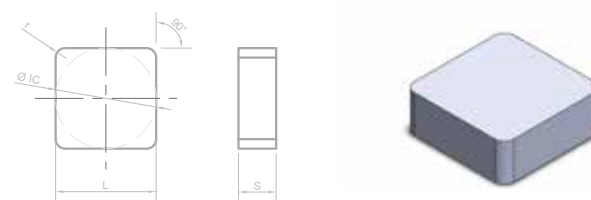
Dimensions

Coating

L	R x (*)	Ø IC	S	Hyperlox	HSN2
20,5 mm	1 mm	12,7 mm	4,76 mm	✓	✓
20,5 mm	2,38 mm	12,7 mm	4,76 mm	✓	✓

(*)Variable according to client needs.

INSERT SNUN FOR TURNING OF COUPLINGS

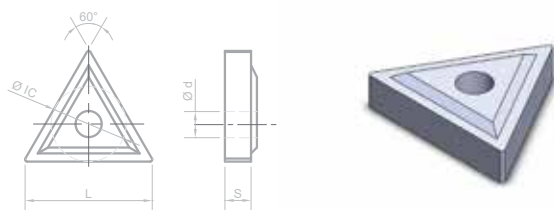


Dimensions

Coating

L	Ø IC	S	r	Hyperlox	HSN2
12,7 mm	12,7 mm	4,76 mm	1,2 mm	✓	✓
15,87 mm	15,87 mm	4,76 mm	1,2 mm	✓	✓

CHANFERING INSERT

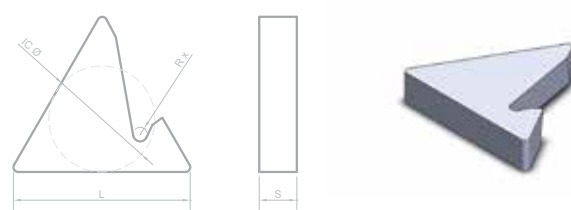


Dimensions

Coating

L	Ø IC	Ø d	S	Hyperlox	HSN2
40 mm	22,6 mm	7,9 mm	8 mm	✓	✓
33 mm	19,05 mm	7,6 mm	8 mm	✓	✓
27 mm	15,87 mm	6,25 mm	6,3 mm	✓	✓
22 mm	12,7 mm	5 mm	4,76 mm	✓	✓

BULET NOSE INSERTS



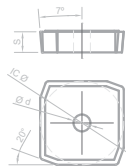
Dimensions

Coating

L	R x (*)	IC Ø	S	Hyperlox	HSN2
40,2 mm	1 mm	25,4 mm	8 mm	✓	✓
40,2 mm	2,38 mm	25,4 mm	8 mm	✓	✓
38,5 mm	1 mm	22,5 mm	8 mm	✓	✓
38,5 mm	2,38 mm	22,5 mm	8 mm	✓	✓

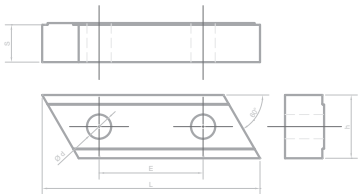
(*)Variable according to client needs.

EXTERNAL ROUGHING INSERT



Dimensions			Coating	
Ø IC	Ø d	S	Hyperlox	HSN2
25 mm	5 mm	6,3 mm	✓	✓

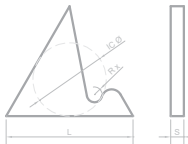
CHANFERING EXTERNAL INSERT



Dimensions					Coating	
L	E	h	Ø d	S	Hyperlox	HSN2
62 mm	29 mm	18 mm	6,9 mm	10,5 mm	✓	✓

Shims

SHIM BULLET NOSE

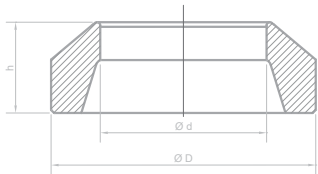


Dimensions			
L	R x (*)	IC Ø	S
40 mm	1 mm	25,2 mm	4 mm
40 mm	2,38 mm	25,2 mm	4 mm
38,2 mm	1 mm	22,25 mm	4 mm
38,2 mm	2,38 mm	22,25 mm	4 mm

(*)Variable according to client needs.

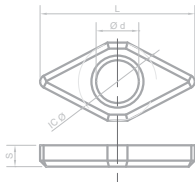
Cutting Rings

INTERNAL SCARFING INSERT



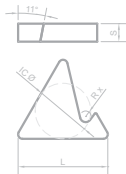
Dimensions			Coating	
Ø D	Ø d	h	Hyperlox	HSN2
13 mm	6 mm	5 mm	✓	✓
13 mm	7 mm	5 mm	✓	✓
13 mm	8 mm	5 mm	✓	✓
13 mm	9 mm	5 mm	✓	✓
19 mm	9 mm	8 mm	✓	✓
19 mm	10 mm	8 mm	✓	✓
19 mm	11 mm	8 mm	✓	✓
22 mm	12 mm	10 mm	✓	✓
22 mm	15 mm	10 mm	✓	✓
30 mm	20 mm	12 mm	✓	✓
35 mm	22 mm	12 mm	✓	✓
35 mm	25 mm	12 mm	✓	✓
45 mm	30 mm	15 mm	✓	✓
50 mm	35 mm	15 mm	✓	✓
55 mm	40 mm	18 mm	✓	✓

SHIM DNMG



Dimensions			
L	Ø IC	Ø d	S
25 mm	12,7 mm	5 mm	3,2 mm

SHIM BULLET NOSE



Dimensions			
L	R x (*)	Ø IC	S
20,5 mm	1 mm	12,7 mm	3 mm
20,5 mm	2,38 mm	12,7 mm	3 mm

(*)Variable according to client needs.



Our strength is the manufacture of special parts according to each application and to the geometrical design requested by the client.

Grades for metal cutting saw tips

	TS - 25	TS - 40	TSM - 30 K	TH10 MICRO CR
Co %	10,00	12,50	10,50	6,00
TiC+TaC+NbC %	23,70	9,80	14,20	0,00
Grain size	Fine	Fine	Fine	Fine
Corrosion resistance	No	No	No	Yes
Temperature resistance	Yes	Yes	Yes	No
Hardness HV 3	1575	1475	1520	1750
Toughness MN*m2/3	10,9	11,6	11,1	9,6

Excellent grade for solid steel cutting. High temperature resistance.

Extremely resistant grade for cutting interrupted. High Toughness.

Grade with good performance for solid steel cutting.

Grade for cutting non-ferrous metals.

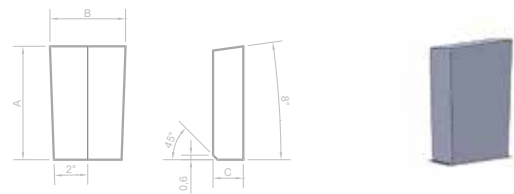
Saw Tips For Metal Cutting

Tantal ® has specialized in manufacturing tungsten carbide teeth used in saws for cutting steel tubes and solid steel profiles.

The teeth produced by Tantal ® are obtained through sintering tungsten, cobalt, titanium, tantalum and niobium carbide powder in specific proportions according to the particular application. This permits maintaining the hardness and toughness even when the teeth are working under high temperatures.

We can offer different compositions for each material and use, cutting steel and stainless steel, tubes or solids.

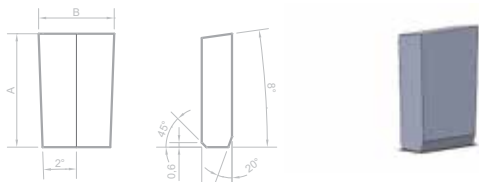
SAW TIPS FOR METAL CUTTING



Dimensions

A	B	C
5 a 13	15	4
5 a 13	13	4
5 a 8	8	3
12	12	4

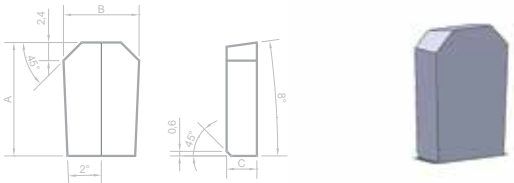
SAW TIPS FOR METAL CUTTING



Dimensions

A	B	C
5 a 9	9	4
5 a 10,5	10,5	4

SAW TIPS FOR METAL CUTTING



Dimensions

A	B	C
5 a 13	15,3	4





We have a technical and commercial team that allows us to carry out the design and quotation process in an agile manner.



Extend the life of your spare parts, incorporating anti-wear solutions with TANTAL®

We have a special composition of HVOF coating that provides high resistance to corrosion.

Sustainability

We are committed to sustainability through an optimized recycling process.

Visit our website to download the **Sustainability Reports** and learn about our Conflict Minerals Policy.



Tungsten Solutions®
www.tantal.com