



IZAR[®]
CUTTING TOOLS

TORNEADO

Turning

Tournage

HERRAMIENTAS SOLDADAS

Brazed Turning Tools

Outils de Tour Plaquette Soudé

303

CUCHILLAS

Turning Blades

Outils de Tour

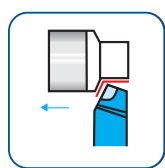
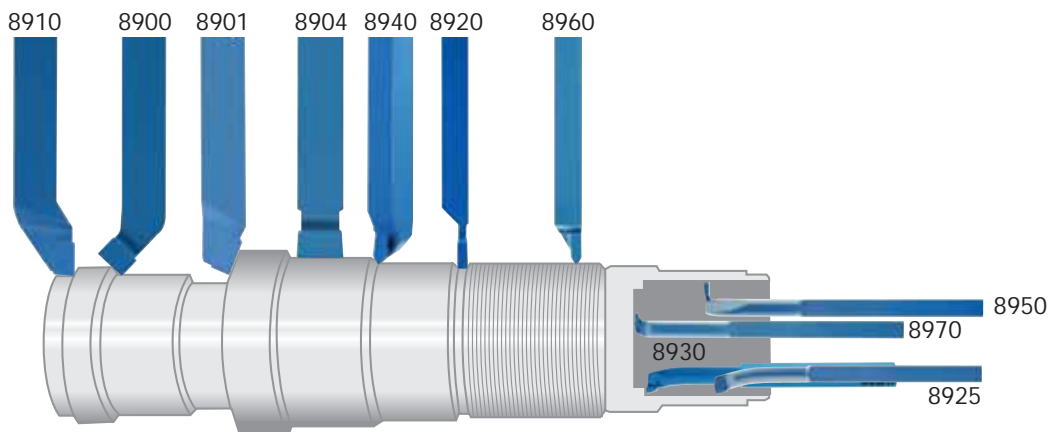
309

industrial 2014

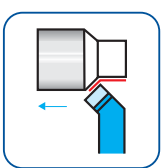
HERRAMIENTAS TORNEADO

Brazed Turning Tools

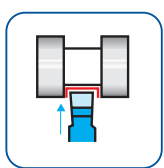
Outils de Tour



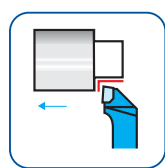
ISO 1 (8901)



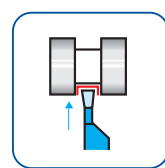
ISO 2 (8900)



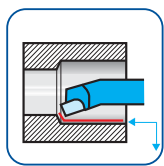
ISO 4 (8904)



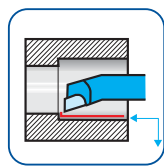
ISO 6 (8910)



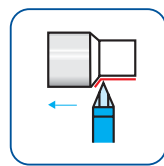
ISO 7 (8920)



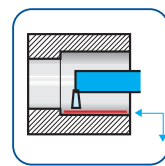
ISO 8 (8925)



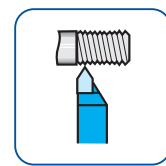
ISO 9 (8930)



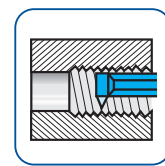
ISO 10 (8940)



ISO 11 (8950)



ISO 12 (8960)



ISO 13 (8970)

P20		Avance 0,1-1,2 mm/rev. Feed Pas
Material		Velocidad Corte Cutting Speed Vitesse de Coupe (m/min.)
1.	1.1 <850 N/mm ²	160 - 100 - 60
	1.2 <1000 N/mm ²	140 - 80 - 40
	1.3 850-1300 N/mm ²	60 - 40 - 25
2. INOX Stainless Steel Aciers Inox	2.1 AUSTENÍTICO Austenitic - Austenitique	50 - 40 - 24
	2.2 MARTENSÍTICO Martensitic - Martensitique	50 - 40 - 24
3. FUNDICIÓN Cast Iron Fonte	3.1 <700 N/mm ²	90 - 70 - 45
	3.2 700-1000 N/mm ²	70 - 50 - 30

M20		Avance 0,1-1,2 mm/rev. Feed Pas
Material		Velocidad Corte Cutting Speed Vitesse de Coupe (m/min.)
1.	1.1 <850 N/mm ²	110 - 80 - 45
2. INOX Stainless Steel Aciers Inox	2.1 AUSTENÍTICO Austenitic - Austenitique	40 - 30 - 20
	2.2 MARTENSÍTICO Martensitic - Martensitique	40 - 30 - 20
3. FUNDICIÓN Cast Iron Fonte	3.1 <700 N/mm ²	100 - 60 - 40
	3.2 700-1000 N/mm ²	80 - 50 - 25

K10		Avance 0,1-1,2 mm/rev. Feed Pas
Material		Velocidad Corte Cutting Speed Vitesse de Coupe (m/min.)
3. FUNDICIÓN Cast Iron Fonte	3.1 <700 N/mm ²	140 - 100 - 50
	3.2 700-1000 N/mm ²	120 - 80 - 40
5. ·Cu - BRONCE - LATÓN Copper - Bronze - Brass Cuivre - Bronze - Laiton	5.1 VIRUTA CORTA Short Chip - Coupeaux Courts	400-300-200
	5.2 VIRUTA LARGA Long Chip - Coupeaux Longs	
6. ALUMINIO - MAGNESIO Aluminium - Magnesium	6.1 NO ALEADO Unalloyed - Sans Alliage	400-300-200
	6.2 <10% Si	
	6.3 >10% Si	200-150-80

NEW!

Calidad P20

Especialmente destinada a mecanizados de gran precisión y semi-acabado en aceros al carbono y aleados, a grandes velocidades de corte y avances moderados.

P20 Quality

Specially destined for high precision and semi-finishing machining of carbon & alloy steels, at high cutting speeds and moderate feeds.

Qualité P20

Notamment pour usinages haute précision et semi-finition en aciers au carbone et alliés, a hautes vitesses de coupe et avances modérés.

Calidad M20

Especial para acabado y desbaste suave de aceros, aceros al manganeso, fundición y metales resistentes al calor o no ferrosos, a velocidades de corte medias o bajas.

M20 Quality

Special for finishing and soft roughing of steels, manganese-steels, cast iron and heat-resistant or non-ferrous materials, at medium or low cutting speed.

Qualité M20

Spécial finition et ébauche tendre d'aciers, aciers au manganèse, fonte et aciers résistants au chaud et non ferriques à faibles ou moyennes vitesses de coupe.

Calidad K10

Especial para mecanizados de gran precisión y semi-acabado en fundición, aceros aleados, materiales de viruta corta y no ferrosos.

K10 Quality

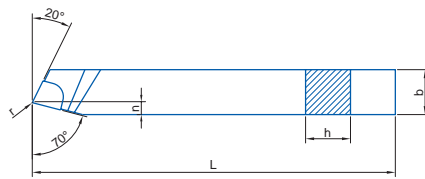
Special for high precision and semi-finishing machining of cast iron, alloyed steels, short chipping and non-ferrous materials.

Qualité K10

Spéciale pour usinage d'haute précision et semi-finition fonte, alliages aciers, aciers copeaux courts et non-ferriques.

Ref. **8901**

HERRAMIENTA TORNEADO PLACA SOLDADA CILINDRADO 70°
 70° Straight Brazed Turning Tool
 Outil de Tour Plaquette Soudé Cylindrage 70°



DIN 4971

ISO 1

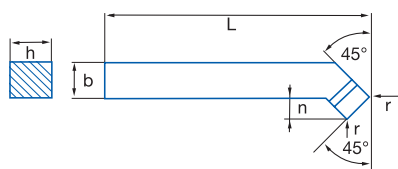
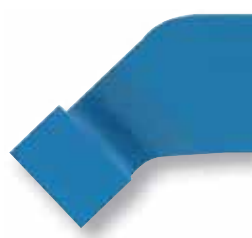


- Aceros <850 N/mm² Steel
- Aceros <1000 N/mm² Steel
- Aceros <1300 N/mm² Steel
- INOX / Stainless Steel
- Fundición / Cast Iron / Fonte
- Cobre / Copper / Cuivre
- Aluminio / Aluminium

h mm	b mm	L mm	R/L	n mm	r mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité K-10	
						N° Art.	€	N° Art.	€
10	10	90	- L	4	0,2	55888	7,24	55889	7,24
10	10	90	- R	4	0,2	55893	7,24	55891	7,24
12	12	100	- L	5	0,4	55894	7,78	55897	7,78
12	12	100	- R	5	0,4	55896	7,78	55899	7,78
16	16	110	- L	6	0,4	55903	9,79	55905	9,79
16	16	110	- R	6	0,4	55904	9,79	55906	9,79
20	20	125	- L	8	0,8	55911	13,36	55913	13,36
20	20	125	- R	8	0,8	55912	13,36	55914	13,36
25	25	140	- L	10	0,8	55917	19,76	55919	19,76
25	25	140	- R	10	0,8	55918	19,76	55920	19,76

Ref. **8900**

HERRAMIENTA TORNEADO PLACA SOLDADA ESCUADRADO 45°
 45° Bent Brazed Turning Tool
 Outil de Tour Plaquette Soudé Découletage 45°



DIN 4972

ISO 2



- Aceros <850 N/mm² Steel
- Aceros <1000 N/mm² Steel
- Aceros <1300 N/mm² Steel
- INOX / Stainless Steel
- Fundición / Cast Iron / Fonte
- INOX / Stainless Steel
- Fundición / Cast Iron / Fonte
- Cobre / Copper / Cuivre
- Aluminio / Aluminium

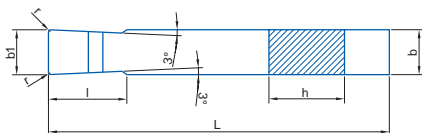
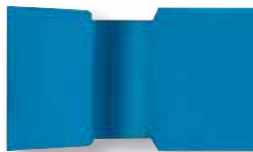
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						N° Art.	€	N° Art.	€	N° Art.	€
12	12	100	- L	7	0,4	13586	8,64	56073	8,64	29179	8,64
12	12	100	- R	7	0,4	13585	8,64	56074	8,64	29153	8,64
16	16	110	- L	8	0,4	13589	10,77	56076	10,77	29181	10,77
16	16	110	- R	8	0,4	13588	10,77	56077	10,77	18258	10,77
20	20	125	- L	10	0,8	13592	13,68	56078	13,68	13051	13,68
20	20	125	- R	10	0,8	13591	13,68	56079	13,68	28343	13,68
25	25	140	- L	12	0,8	13597	19,36	56080	19,36	29182	19,36
25	25	140	- R	12	0,8	13594	19,36	56082	19,36	26003	19,36

Ref. **8904**

HERRAMIENTA TORNEADO PLACA SOLDADA RANURADO EXTERIOR

Wide Face Square Nose Brazed Turning Tool

Outil de Tour Plaquette Soudé Rainurage Exterieur



DIN
4976

ISO
4



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

Aluminio / Aluminium

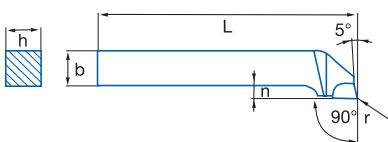
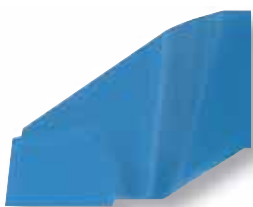
h mm	b mm	L mm	r mm	l mm	b1 mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité K-10	
						N° Art.	€	N° Art.	€
20	x 12	x 125	0,4	20	12	55924	10,51	55926	10,51
25	x 16	x 140	0,4	25	16	55928	14,66	55932	14,66
32	x 20	x 170	0,4	32	20	55936	21,97	55938	21,97

Ref. **8910**

HERRAMIENTA TORNEADO PLACA SOLDADA ESCUADRADO 90°

90° Offset Side Brazed Turning Tool

Outil de Tour Plaquette Soudé Décolletage 90°



DIN
4980

ISO
6



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

Aluminio / Aluminium

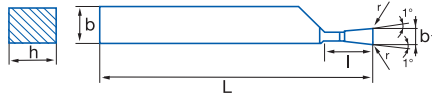
INOX / Stainless Steel

h mm	b mm	L mm	R/L	n mm	r mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité M-20		Calidad Quality / Qualité K-10	
						N° Art.	€	N° Art.	€	N° Art.	€
10	x 10	x 090	- L	4	0,2	13601	7,83	56083	7,83	29183	7,83
10	x 10	x 090	- R	4	0,2	13600	7,83	56085	7,83	26488	7,83
12	x 12	x 100	- L	5	0,4	13604	8,68	56086	8,68	29185	8,68
12	x 12	x 100	- R	5	0,4	13603	8,68	56088	8,68	26707	8,68
16	x 16	x 110	- L	6	0,4	13607	10,53	56089	10,53	13058	10,53
16	x 16	x 110	- R	6	0,4	13606	10,53	56091	10,53	27460	10,53
20	x 20	x 125	- L	8	0,8	13612	14,01	56092	14,01	10825	14,01
20	x 20	x 125	- R	8	0,8	13609	14,01	56093	14,01	27461	14,01
25	x 25	x 140	- L	10	0,8	13616	20,41	56094	20,41	17090	20,41
25	x 25	x 140	- R	10	0,8	13615	20,41	56095	20,41	11181	20,41

Ref. **8920**

HERRAMIENTA TORNEADO PLACA SOLDADA TRONZADO

Parting Brazed Turning Tool
Outil de Tour Plaquette Soudé Tronçonnage



DIN
4981

ISO
7



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte



INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

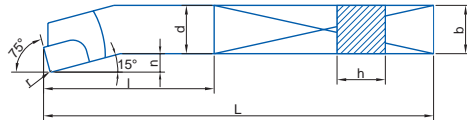
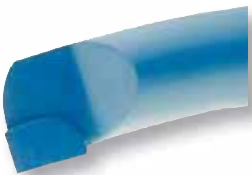
Aluminio / Aluminium

h mm	b mm	L mm	R/L	r mm	l mm	b1 mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité M-20		Calidad Quality / Qualité K-10	
							N° Art.	€	N° Art.	€	N° Art.	€
12	8	100	- L	0,2	12	3	13619	8,11			28344	8,11
12	8	100	- R	0,2	12	3	13618	8,11	56098	8,11	27519	8,11
16	10	110	- L	0,2	14	4	13622	8,86			29186	8,86
16	10	110	- R	0,2	14	4	13621	8,86	56100	8,86	19523	8,86
20	12	125	- L	0,2	16	5	13625	10,24			29187	10,24
20	12	125	- R	0,2	16	5	13624	10,24	56102	10,24	22685	10,24
25	16	140	- L	0,3	20	6	13628	13,57			29189	13,57
25	16	140	- R	0,3	20	6	13627	13,57	56104	13,57	29188	13,57

Ref. **8925**

HERRAMIENTA TORNEADO PLACA SOLDADA MANDRINADO

Boring Straight Brazed Turning Tool
Outil de Tour Plaquette Soudé Alésage



DIN
4973

ISO
8



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

Aluminio / Aluminium

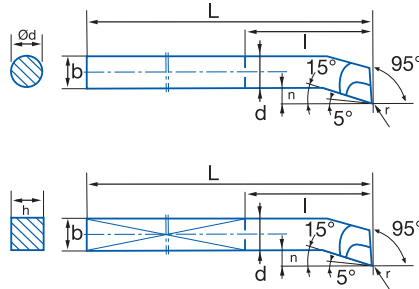
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					N° Art.	€	N° Art.	€
8	8	125	3	0,4	38218	10,36	38220	10,36
10	10	150	4	0,4	38222	10,67	38224	10,67
12	12	180	5	0,4	38227	10,97	38391	10,97
16	16	210	6	0,4	38393	12,30	38395	12,30
20	20	250	8	0,4	38397	15,99	38399	15,99
25	25	300	10	0,8	38401	25,18	38403	25,18

Ref. **8930**

HERRAMIENTA TORNEADO PLACA SOLDADA CILINDRADO INTERIOR

Internal Shaped Brazed Turning Tool

Outil de Tour Plaquette Soudé Cylindrage Interieur



DIN 4974

ISO 9



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte



INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

Aluminio / Aluminium

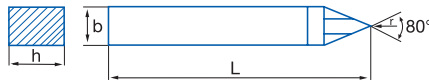
h mm	b mm	L mm	d mm	n mm	r mm	l mm	D mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité M-20		Calidad Quality / Qualité K-10	
								N° Art.	€	N° Art.	€	N° Art.	€
8	8	125	8	3	0,2	40	14	13630	10,67	56114	10,67	14971	10,67
10	10	150	10	4	0,2	50	18	13631	10,53	56115	10,53	27462	10,53
12	12	180	12	5	0,2	63	21	13633	11,17	56116	11,17	27464	11,17
16	16	210	16	6	0,2	80	27	13634	13,30	56117	13,30	11152	13,30
20	20	250	20	8	0,4	100	34	13636	16,82	56118	16,82	11754	16,82
25	25	300	25	10	0,4	125	43	13639	25,55	56119	25,55	27518	25,55
32	32	355	32	12	0,8	160	52	13642	44,97	56121	44,97	13896	44,97

Ref. **8940**

HERRAMIENTA TORNEADO PLACA SOLDADA CILINDRADO RECTO

Sharped Straight Brazed Turning Tool

Outil de Tour Plaquette Soudé Cylindrage Droit



DIN 4975

ISO 10



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

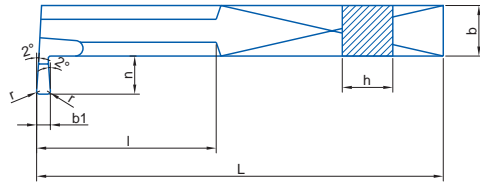
Aluminio / Aluminium

h mm	b mm	L mm	r mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité K-10	
				N° Art.	€	N° Art.	€
16	10	110	0,2	13645	7,96	29190	7,96
20	12	125	0,4	13646	9,23	29191	9,23
25	16	140	0,4	13648	11,76	29192	11,76

Ref. **8950**

HERRAMIENTA TORNEADO PLACA SOLDADA RANURADO INTERIOR

Internal Undercutting Brazed Turning Tool
Outil de Tour Plaquette Soudé Rainurado Interieur



DIN 263

ISO 11



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

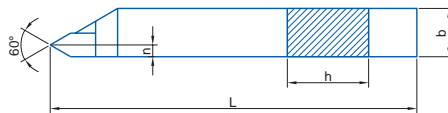
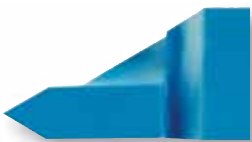
Aluminio / Aluminium

h mm	b mm	L mm	n mm	r mm	b1 mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité K-10	
						N° Art.	€	N° Art.	€
12	12	180	10	0,2	4	38405	17,41	38407	17,41
16	16	210	12	0,2	5	38409	21,76	38411	21,76
20	20	250	16	0,4	6	38413	27,48	38415	27,48
25	25	300	20	0,4	8	38417	34,53	38419	34,53

Ref. **8960**

HERRAMIENTA TORNEADO PLACA SOLDADA ROSCADO EXTERIOR

External Threading Brazed Turning Tool
Outil de Tour Plaquette Soudé Taraudage Exterieur



DIN 282

ISO 12



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

Aluminio / Aluminium

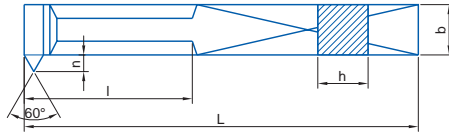
h mm	b mm	L mm	R/L	n mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité K-10	
					N° Art.	€	N° Art.	€
16	10	110	- L	2,0	38422	9,67	38424	9,67
16	10	110	- R	2,0	38421	9,67	38423	9,67
20	12	125	- L	2,5	38426	11,33	38428	11,33
20	12	125	- R	2,5	38425	11,33	38427	11,33
25	16	140	- L	3,0	38430	14,75	38432	14,75
25	16	140	- R	3,0	38429	14,75	38431	14,75

Ref. **8970**

HERRAMIENTA TORNEADO PLACA SOLDADA ROSCADO INTERIOR

Internal Threading Brazed Turning Tool

Outil de Tour Plaquette Soudé Taraudage Interieur



DIN
283

ISO
13



Aceros <850 N/mm² Steel

Aceros <1000 N/mm² Steel

Aceros <1300 N/mm² Steel

INOX / Stainless Steel

Fundición / Cast Iron / Fonte

Fundición / Cast Iron / Fonte

Cobre / Copper / Cuivre

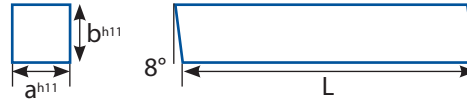
Aluminio / Aluminium

h mm	b mm	L mm	R/L	n mm	Calidad Quality / Qualité P-20		Calidad Quality / Qualité K-10	
					N° Art.	€	N° Art.	€
10	10	150	- L	5	38434	16,60	38436	16,60
10	10	150	- R	5	38433	16,60	38435	16,60
12	12	180	- L	6	38438	16,89	38440	16,89
12	12	180	- R	6	38437	16,89	38439	16,89
16	16	210	- L	8	38442	22,21	38444	22,21
16	16	210	- R	8	38441	22,21	38443	22,21
20	20	250	- L	10	38446	26,36	38448	26,36
20	20	250	- R	10	38445	26,36	38447	26,36
25	25	300	- L	12	38450	37,39	38452	37,39
25	25	300	- R	12	38449	37,39	38451	37,39

Ref. **8990**

CUCHILLA CUADRADA TORNEADO

Square Turning Blade
Outil de Tour Carré



HSSE
10%Co

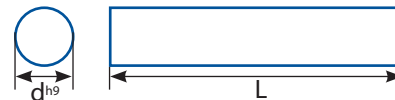
DIN
4964B

a mm	b mm	L mm	N° Art. 10% Co	€
6	x 6	x 100	35462	6,89
6	x 6	x 160	35463	10,29
6	x 6	x 200	35464	12,78
8	x 8	x 100	35465	11,57
8	x 8	x 160	35466	15,95
8	x 8	x 200	35467	19,04
10	x 10	x 100	35468	16,54
10	x 10	x 160	35469	24,59
10	x 10	x 200	35470	31,53
12	x 12	x 100	35471	20,20
12	x 12	x 160	35472	28,28
12	x 12	x 200	35473	36,74
14	x 14	x 200	35474	43,63
16	x 16	x 200	35475	54,32
18	x 18	x 200	35476	78,91
20	x 20	x 200	35477	101,71
25	x 25	x 200	35478	159,36

Ref. **8991**

CUCHILLA REDONDA TORNEADO

Round Turning Blade
Outil de Tour Rondé



HSSE
10%Co

DIN
4964A

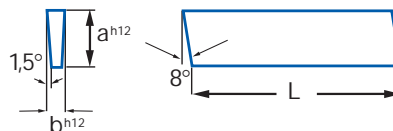
d mm	L mm	N° Art. 10% Co	€
4	x 100	35479	5,87
5	x 100	35480	6,73
5	x 200	35481	13,48
6	x 100	35482	7,61
6	x 160	35484	11,42
6	x 200	35483	13,89
8	x 100	35485	9,94
8	x 160	35486	15,66
8	x 200	35487	18,60
10	x 100	35488	14,72
10	x 160	35489	26,15
10	x 200	35490	32,31
12	x 100	35491	16,10
12	x 200	35492	41,80
14	x 200	35493	58,27
16	x 200	35494	61,34
18	x 200	35495	106,48
20	x 200	35497	107,26

Ref. **8992**

CUCHILLA TRAPEZOIDAL TORNEADO

Trapezoidal Turning Blade

Outil de Tour Trapezoidal



HSSE
10%Co

DIN
4964E

a mm	b mm	L mm	N° Art. 10% Co	€
10	2,50	100	13690	11,52
12	3,00	100	13691	12,73
12	3,00	160	13693	18,22
16	4,00	100	13782	18,48
16	4,00	160	13786	37,50
20	5,00	160	13787	46,31
20	5,00	200	14213	63,96
25	6,00	160	14225	62,41