FACE AND CHAMFERING MILLING CUTTERS PLAN- UND ANFASFRÄSER

Applications index F24-25
Anwendungen

Facing milling cutters F26-43
Planfräser

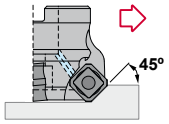
Chamfer and corner radius milling cutters F44-59
Anfas- und Viertelkreisfräser

Cutting data F60-61
Schnittdaten

F

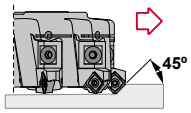
Face milling cutters
Planfräser

1742.93 45º
Soft materials 45º
Weiche Materialien 45º



Page *Seite F26* SNMX 1206..

1742.99 45º
Soft materials 45º
Weiche Materialien 45º



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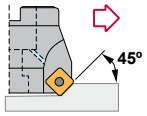
Soft materials 45º
Weiche Materialien 45º



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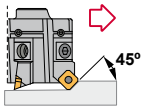
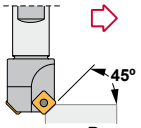
Soft materials 45º
Weiche Materialien 45º



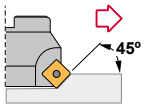
Page *Seite F29* SEH.. 1204.. SEMT 1204..

1748.07 45º
Facing and chamfering 45º
Plan- und Anfasfräser 45º



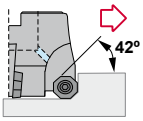
SEH.. 1204.. SEMT 1204.. *Page* *Seite F30*

0744.90 45º
Facing and chamfering 45º
Plan- und Anfasfräser 45º



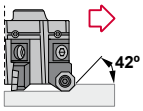
Page *Seite F31* SC.. 1204..

1845.93 42º
Multipurpose milling 42º
Multifunktions-Fräser 42º



Page *Seite F32* ODMT 0404..

1845.99 42º
Multipurpose milling 42º
Multifunktions-Fräser 42º



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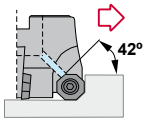
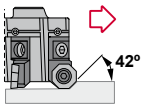
1855.93 42º
Multipurpose milling 42º
Multifunktions-Fräser 42º



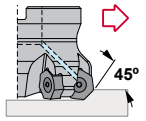
Page *Seite F34* ODM.. 0605..

1855.99 42º
Multipurpose milling 42º
Multifunktions-Fräser 42º



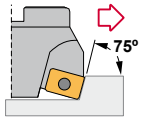
Page *Seite F35* ODM.. 0605..

1852.93 45º
Multipurpose milling 45º
Multifunktions-Fräser 45º



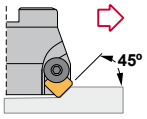
Page *Seite F36* NNMU 2007..

1430.90 75º
General application 75º
Allgemeine Anwendungen 75º



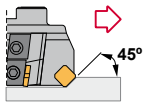
Page *Seite F37* AP.. 1604..

0748.90 45º
First choice 45º
Erste Wahl 45º



Page *Seite F38* SEK.. 1203..

0748.99 45º
General application 45º
Allgemeine Anwendungen 45º



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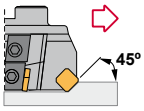
0758.99 45º
Deep cutting 45º
Tiefer Schnitt 45º



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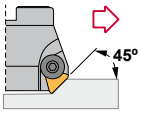
0640.90 45º
Facing and chamfering 45º
Plan- und Anfasfräser 45º



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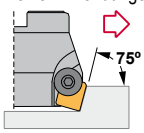
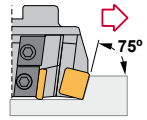
0440.90 75º
General application 75º
Allgemeine Anwendungen 75º



Page *Seite F42* SP.. 1203..

0440.99 75º
General application 75º
Allgemeine Anwendungen 75º

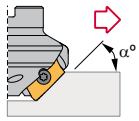


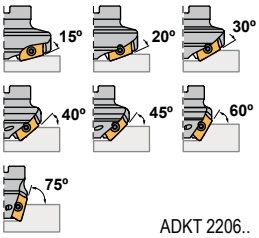
Page *Seite F43* SP.. 1203..

F

Chamfer and corner radius milling cutters
Anfas- und Viertelkreisfräser

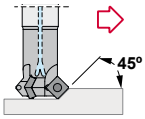
1745.93 15-75°
Chamfering 15-75°
Anfasfräser 15-75°





Page
Seite F44-45
ADKT 2206..

0735.03 45°
Chamfering 45°
Anfasfräser 45°



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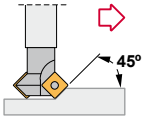
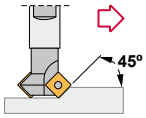
Seite F46
SDMT 09T3..

0740.00 45°
Chamfering 45°
Anfasfräser 45°



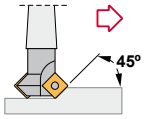
Page
Seite F47
SPM.. 1204..

0740.07 45°
Chamfering 45°
Anfasfräser 45°



Page
Seite F47
SPM.. 1204..

0740.30 45°
Chamfering 45°
Anfasfräser 45°



Page
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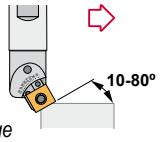
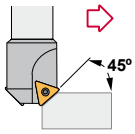
SPM.. 1204..

1744.$^{0}_{2}$7
Chamfering cutters 10-80°
Anfasfräser 10-80°



Page
Seite F49
SC.. 1204..

0624.07 45°
Chamfering cutters 45°
Anfasfräser 45°



Page
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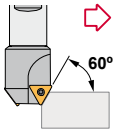
TC.. 1102..

0724.07 60°
Chamfering cutters 60°
Anfasfräser 60°



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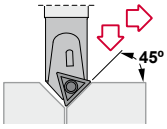
TC.. 1102..

0634.37 45°
Chamfering 45°
Anfasfräser 45°



Page
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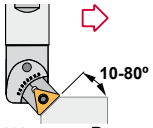
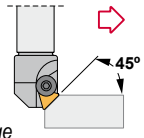
TCMX 16T3..

16$^{2}_{3}$4.$^{0}_{2}$7
Chamfering cutters 10-80°
Anfasfräser 10-80°



TC.. 1102..
TC.. 16T3..
Page
Seite F52

0630.00 45°
Chamfering 45°
Anfasfräser 45°



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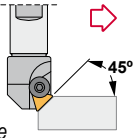
TPUN 1603..

0630.07 45°
Chamfering 45°
Anfasfräser 45°



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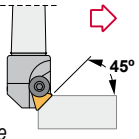
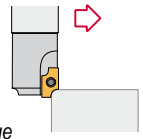
TPUN 1603..

0630.30 45°
Chamfering 45°
Anfasfräser 45°



Page
Seite F54
TPUN 1603..

1235.01
Concave milling cutters
Viertelkreisfräser



Page
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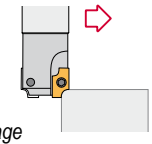
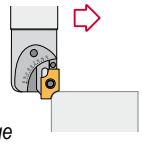
ADMT-R 1503..

1235.07
Concave milling cutters
Viertelkreisfräser



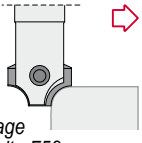
Page
Seite F56
ADMT-R 1503..

1725.$^{0}_{2}$7
Concave milling cutters
Viertelkreisfräser



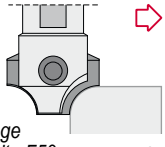
Page
Seite F57
ADMT-R 1503..

1345.07
Concave milling cutters
Viertelkreisfräser



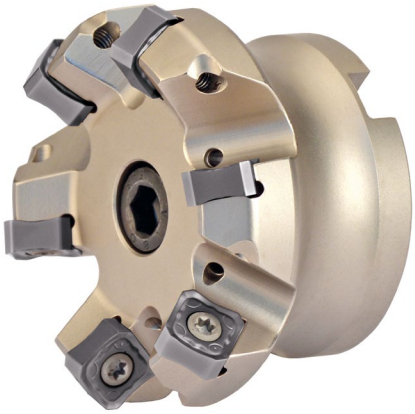
Page
Seite F58
HPKW 2504..

1345.06
Concave milling cutters
Viertelkreisfräser

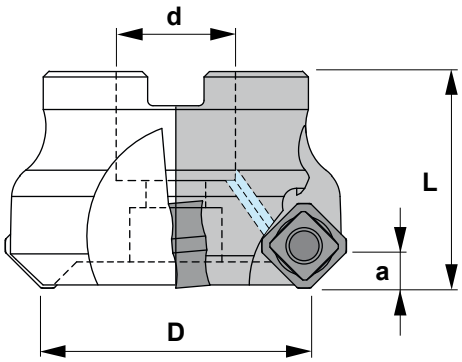


Page
Seite F59
HPKW 2504..

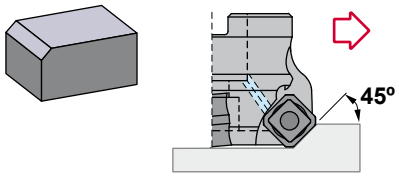
F



Characteristics:
Super positive milling cutter with 45° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on hard steels, alloyed steels, stainless steels, refractory casts and aluminium alloys.



Eigenschaften:
Extra positiver Planfräser mit 45° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt. Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.



1742.93 45°

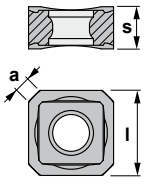
Reference Bezeichnung		D	L	d	a	Insert size Wendeschneidplatte	Kg
1742.93.050	4	50	40	22	6	SNMX 1206..	0,350
1742.93.063	6	63	50	22	6	SNMX 1206..	0,800
1742.93.080	7	80	50	27	6	SNMX 1206..	1,150
1742.93.100	8	100	50	32	6	SNMX 1206..	1,700
1742.93.125	10	125	63	40	6	SNMX 1206..	2,750
1742.90.160	12	160	63	40	6	SNMX 1206..	4,600
1742.90.200	14	200	63	60	6	SNMX 1206..	6,600

Reference Bezeichnung					Nm
1742.93.050	1550	5520	-	912,10	4.0
1742.93.063	1550	5520	-	912,10	4.0
1742.93.080	1550	5520	-	912,12	4.0
1742.93.100	1550	-	5620	912,17	4.0
1742.93.125	1550	-	5620	912,20	4.0
1742.90.160	1550	-	5620	-	4.0
1742.90.200	1550	-	5620	-	4.0

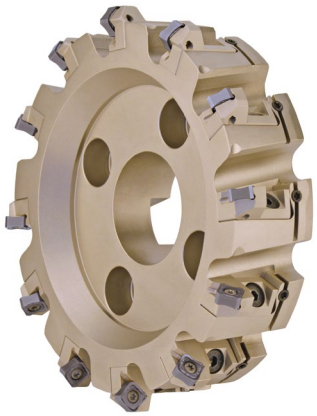
SNMX

Square negative insert.
Vierkantige negative Wendeschneidplatte. F19

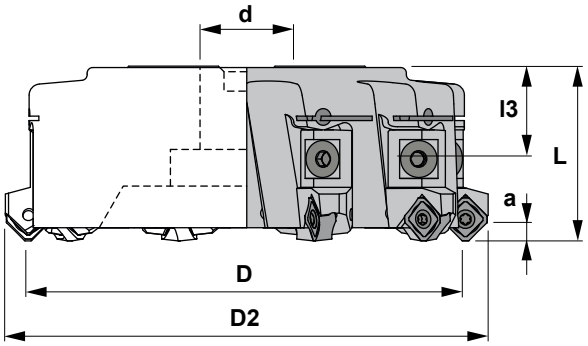
Reference / Bez.	l	s	a
SNMX 1206..	12,70	6,35	2,36



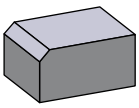
SNMX

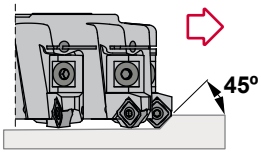


Characteristics:
Super positive milling cutter with 45° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on hard steels, alloyed steels, stainless steels, refractory casts and aluminium alloys.



Eigenschaften:
Extra positiver Planfräser mit 45° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt. Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.





1742.99 45°

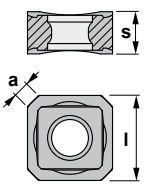
Reference Bezeichnung		D	L	d	a	Insert size Wendeschneidplatte	Kg
1742.99.160	10	160	63	40	6	SNMX 1206..	5,450
1742.99.200	12	200	63	60	6	SNMX 1206..	9,000
1742.99.250	16	250	63	60	6	SNMX 1206..	14,250
1742.99.315	20	315	63	60	6	SNMX 1206..	31,000
1742.99.400	22	400	63	60	6	SNMX 1206..	47,500
1742.99.500	28	500	63	60	6	SNMX 1206..	85,000

Reference Bezeichnung						Nm
1742.99.160	1550	5620	6742	1788	1460	4.0
1742.99.200	1550	5620	6742	1788	1460	4.0
1742.99.250	1550	5620	6742	1788	1460	4.0
1742.99.315	1550	5620	6742	1788	1460	4.0
1742.99.400	1550	5620	6742	1788	1460	4.0
1742.99.500	1550	5620	6742	1788	1460	4.0

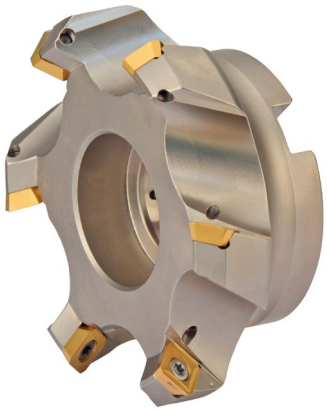
SNMX

Square negative insert.
Vierkantige negative Wendeschneidplatte. F19

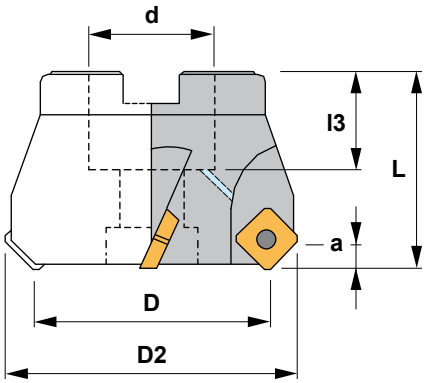
Reference / Bez.	l	s	a
SNMX 1206..	12,70	6,35	2,36



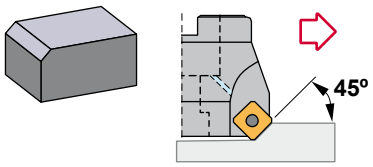
SNMX



Characteristics:
Super positive face milling cutter with 45° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften:
Extra positiver Planfräser mit 45° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.



1748.93 45°

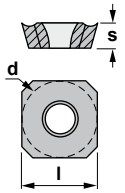
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1748.93.050	4	50	62	40	22	20	6	SE.. 1204..	0,350
1748.93.063	5	63	75	50	22	20	6	SE.. 1204..	0,800
1748.93.080	6	80	92	50	27	22	6	SE.. 1204..	1,150
1748.93.100	6	100	112	50	32	25	6	SE.. 1204..	1,700
1748.93.125	7	125	132	63	40	30	6	SE.. 1204..	2,750
1748.90.160	8	160	172	63	40	30	6	SE.. 1204..	4,600
1748.90.200	10	200	212	63	60	40	6	SE.. 1204..	6,600

Reference Bezeichnung					DIN 2079	Nm
1748.93.050	1550	5520	-	912,10	-	4.0
1748.93.063	1550	5520	-	912,10	-	4.0
1748.93.080	1550	5520	-	912,12	-	4.0
1748.93.100	1550	-	5620	-	-	4.0
1748.93.125	1550	-	5620	-	-	4.0
1748.90.160	1550	-	5620	912,52	40	4.0
1748.90.200	1550	-	5620	912,56	50	4.0

SE..

Square positive inserts with 20° clearance.
Vierkantige positive Wendeschneidplatten mit 20° Freiwinkel. F17-18

Reference / Bez.	l	s	d
SEH.. 1204..	12,70	4,76	12,70
SEMT 1204..	12,70	4,76	12,70

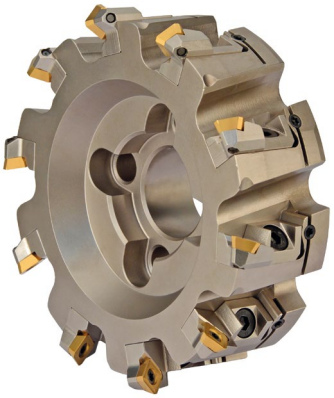


SEHT

SEHT-AL

SEHW

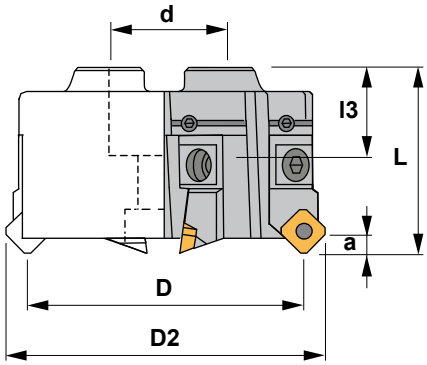
SEMT



Characteristics:

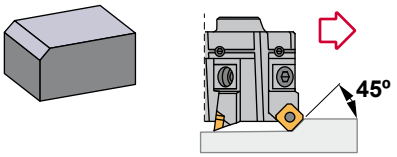
Super positive face milling cutter with 45° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.

It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften:

Extra positiver Planfräser mit 45° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt. Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.



1748.99 45°

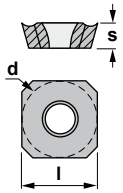
Reference Bezeichnung		D	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1748.99.160	10	160	63	40	30	6	SE.. 1204..	5,450
1748.99.200	12	200	63	60	40	6	SE.. 1204..	9,000
1748.99.250	16	250	63	60	40	6	SE.. 1204..	14,250
1748.99.315	20	315	63	60	40	6	SE.. 1204..	31,000
1748.99.400	22	400	63	60	40	6	SE.. 1204..	47,500
1748.99.500	28	500	63	60	40	6	SE.. 1204..	85,000

Reference Bezeichnung						DIN 2079	Nm
1748.99.160	1550	5620	6748	1788	1460	40	4.0
1748.99.200	1550	5620	6748	1788	1460	50	4.0
1748.99.250	1550	5620	6748	1788	1460	50	4.0
1748.99.315	1550	5620	6748	1788	1460	50/60	4.0
1748.99.400	1550	5620	6748	1788	1460	50/60	4.0
1748.99.500	1550	5620	6748	1788	1460	50/60	4.0

SE..

Square positive inserts with 20° clearance.
Vierkantige positive Wendeschneidplatten mit 20° Freiwinkel. F17-18

Reference / Bez.	l	s	d
SEH.. 1204..	12,70	4,76	12,70
SEMT 1204..	12,70	4,76	12,70

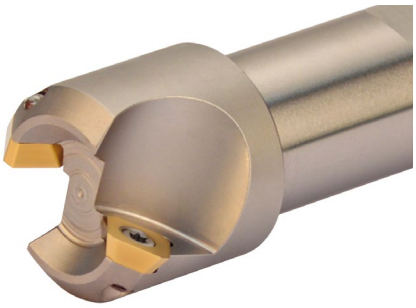


SEHT

SEHT-AL

SEHW

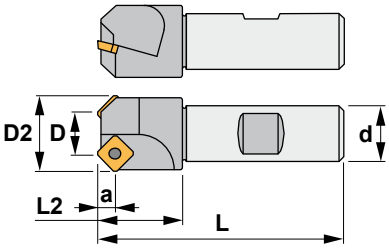
SEMT



Characteristics:

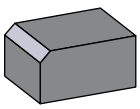
Super positive face milling cutter with 45° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.

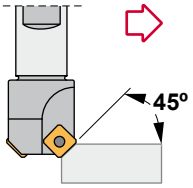
It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften:

Extra positiver Planfräser mit 45° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt. Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.





1748.07

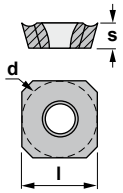
Reference Bezeichnung		D	D2	L	L2	d	a	Insert size Wendeschneidplatte	Kg
1748.07.032	2	32	44	125	40	32	6	SE.. 1204..	0,800
1748.07.040	3	40	52	125	40	32	6	SE.. 1204..	0,900

Reference Bezeichnung			Nm
1748.07.032	1550	5520	4.0
1748.07.040	1550	5520	4.0

SE..

Square positive inserts with 20° clearance.
Vierkantige positive Wendeschneidplatten mit 20° Freiwinkel. F17-18

Reference / Bez.	l	s	d
SEH.. 1204..	12,70	4,76	12,70
SEMT 1204..	12,70	4,76	12,70



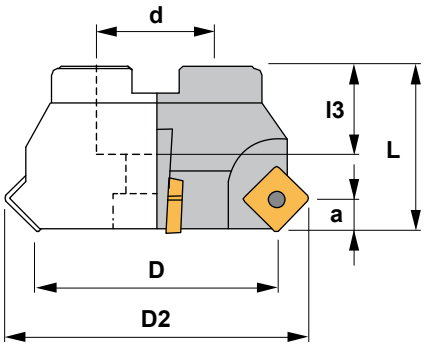
SEHT

SEHT-AL

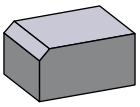
SEHW

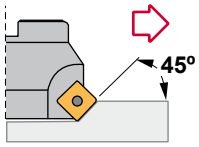
SEMT

Characteristics:
Positive face chamfering milling cutter with 45° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften:
Extra positiver Planfräser mit 45° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt. Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.





0744.90 45°

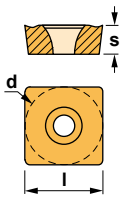
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
0744.90.040	4	40	57	40	16	18	7	SC.. 1204..	0,250
0744.90.050	4	50	67	40	22	20	7	SC.. 1204..	0,400
0744.90.063	5	63	80	50	27	22	7	SC.. 1204..	0,850
0744.90.080	6	80	97	50	32	25	7	SC.. 1204..	1,300
0744.90.100	7	100	117	50	40	30	7	SC.. 1204..	2,050
0744.90.125	8	125	142	63	40	30	7	SC.. 1204..	3,250
0744.90.160	9	160	177	63	40	30	7	SC.. 1204..	4,850
0744.90.200	11	200	217	63	60	40	7	SC.. 1204..	8,350

Reference Bezeichnung					DIN 2079	Nm
0744.90.040	1250	5520	-	1058	-	4.0
0744.90.050	1250	5520	-	912,10	-	4.0
0744.90.063	1250	5520	-	912,12	-	4.0
0744.90.080	1250	5520	-	912,16	-	4.0
0744.90.100	1250	-	5620	-	-	4.0
0744.90.125	1250	-	5620	-	-	4.0
0744.90.160	1250	-	5620	912,52	40	4.0
0744.90.200	1250	-	5620	912,56	50	4.0

SC..

Square positive inserts with 7° clearance.
Vierkantige positive Wendeschneidplatten mit 7° Freiwinkel. F17

Reference / Bez.	l	s	d
SC.. 1204..	12,70	4,76	12,70

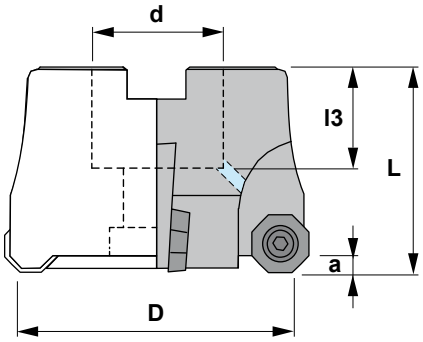


SCGT-AL

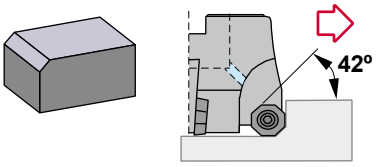
SCMT-39

SCMW

Characteristics:
Multipurpose face milling cutter with 42° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften: Multifunktions-Planfräser mit 42° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub ineiner Maschine mit beschränkter Leistungerlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.



1845.93 42°

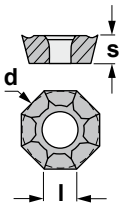
Reference Bezeichnung		D	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1845.93.040	4	40	40	16	18	3	ODMT 0404..	0,250
1845.93.050	4	50	40	22	20	3	ODMT 0404..	0,350
1845.93.063	5	63	50	27	22	3	ODMT 0404..	0,700
1845.93.080	6	80	50	32	25	3	ODMT 0404..	1,200
1845.93.100	7	100	50	40	30	3	ODMT 0404..	1,850

Reference Bezeichnung					Nm
1845.93.040	1240	5515	-	1058	3.0
1845.93.050	1240	5515	-	912,10	3.0
1845.93.063	1240	5515	-	912,12	3.0
1845.93.080	1240	5515	-	912,16	3.0
1845.93.100	1240	-	5615	912,20	3.0

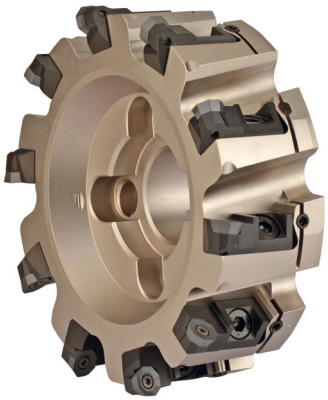
ODMT

Octogonal positive insert with 15° clearance. F15
Achtkantige positive Wendeschneidplatte mit 15° Freiwinkel.

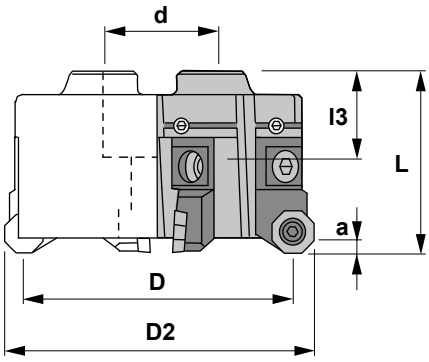
Reference / Bez.	l	s	d
ODMT 0404..	4,00	4,76	12,70



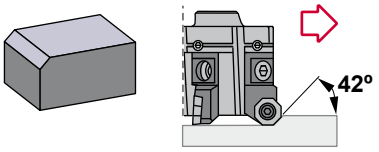
ODMT



Characteristics:
Multipurpose face milling cutter with 42° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften: Multifunktions-Planfräser mit 42° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.



1845.99 42°

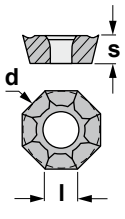
Reference Bezeichnung		D	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1845.99.160	10	160	63	40	30	3	ODMT 0404..	5,450
1845.99.200	12	200	63	60	40	3	ODMT 0404..	9,000
1845.99.250	16	250	63	60	40	3	ODMT 0404..	14,250
1845.99.315	20	315	63	60	40	3	ODMT 0404..	31,000
1845.99.400	22	400	63	60	40	3	ODMT 0404..	47,500
1845.99.500	28	500	63	60	40	3	ODMT 0404..	85,000

Reference Bezeichnung						DIN 2079	Nm
1845.99.160	1240	5615	6845	1788	1460	40	3.0
1845.99.200	1240	5615	6845	1788	1460	50	3.0
1845.99.250	1240	5615	6845	1788	1460	50	3.0
1845.99.315	1240	5615	6845	1788	1460	50/60	3.0
1845.99.400	1240	5615	6845	1788	1460	50/60	3.0
1845.99.500	1240	5615	6845	1788	1460	50/60	3.0

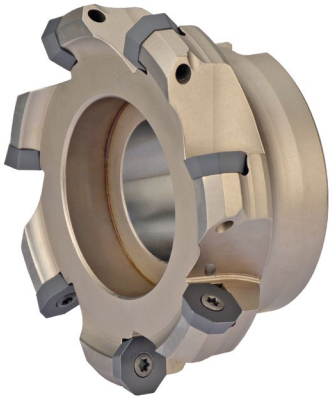
ODMT

Octogonal positive insert with 15° clearance. F15
Achtkantige positive Wendeschneidplatte mit 15° Freiwinkel.

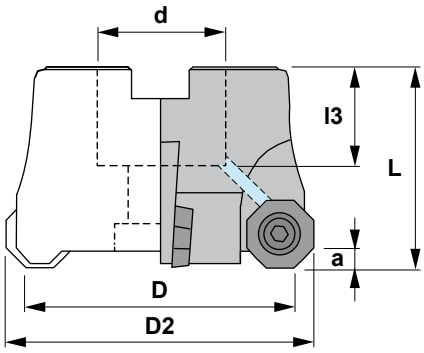
Reference / Bez.	l	s	d
ODMT 0404..	4,00	4,76	12,70



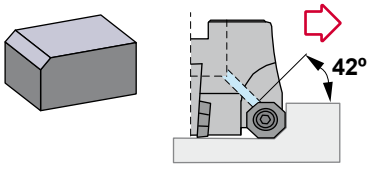
ODMT



Characteristics:
Multipurpose face milling cutter with 42° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften: Multifunktions-Planfräser mit 42° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.



1855.93 42°

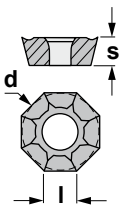
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1855.93.063	5	63	73	50	27	22	4	ODM.. 0605..	0,850
1855.93.080	6	80	90	50	32	25	4	ODM.. 0605..	1,200
1855.93.100	7	100	110	50	40	30	4	ODM.. 0605..	1,850
1855.93.125	8	125	135	63	40	30	4	ODM.. 0605..	3,250
1855.90.160	10	160	170	63	40	30	4	ODM.. 0605..	4,600
1855.90.200	12	200	210	63	60	40	4	ODM.. 0605..	9,100

Reference Bezeichnung					DIN 2079	Nm
1855.93.063	1550	5520	-	912,12	-	4.0
1855.93.080	1550	5520	-	912,17	-	4.0
1855.93.100	1550	-	5620	912,20	-	4.0
1855.93.125	1550	-	5620	-	-	4.0
1855.90.160	1550	-	5620	912,52	40	4.0
1855.90.200	1550	-	5620	912,56	50	4.0

ODM..

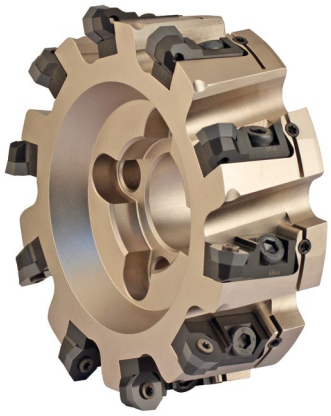
Octogonal positive inserts with 15° clearance.
Achtkantige positive Wendeschneidplatten mit 15° Freiwinkel. F15

Reference / Bez.	l	s	d
ODM.. 0605..	6,00	5,55	16,00

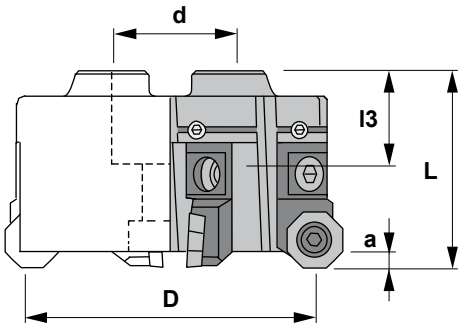


ODMT

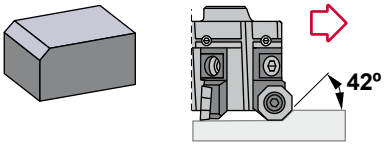
ODMW



Characteristics:
Multipurpose face milling cutter with 42° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften: Multifunktions-Planfräser mit 42° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.



1855.99 42°

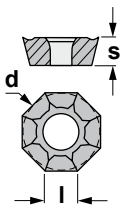
Reference Bezeichnung		D	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1855.99.160	10	160	63	40	30	4	ODM.. 0605..	5,000
1855.99.200	12	200	63	60	40	4	ODM.. 0605..	7,300
1855.99.250	16	250	63	60	40	4	ODM.. 0605..	12,050
1855.99.315	20	315	63	60	40	4	ODM.. 0605..	31,000
1855.99.400	22	400	63	60	40	4	ODM.. 0605..	47,500
1855.99.500	28	500	63	60	40	4	ODM.. 0605..	85,000

Reference Bezeichnung						DIN 2079	Nm
1855.99.160	1550	5620	6846	1788	1460	40	4.0
1855.99.200	1550	5620	6846	1788	1460	50	4.0
1855.99.250	1550	5620	6846	1788	1460	50	4.0
1855.99.315	1550	5620	6846	1788	1460	50/60	4.0
1855.99.400	1550	5620	6846	1788	1460	50/60	4.0
1855.99.500	1550	5620	6846	1788	1460	50/60	4.0

ODM..

Octogonal positive inserts with 15° clearance.
Achtkantige positive Wendeschneidplatten mit 15° Freiwinkel. F15

Reference / Bez.	l	s	d
ODM.. 0605..	6,00	5,55	16,00



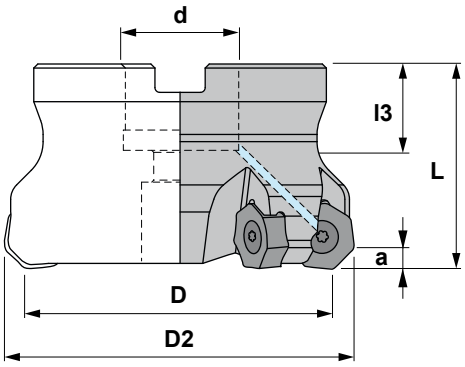
ODMT

ODMW

Characteristics:

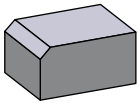
Positive face chamfering milling cutter with 45º entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.

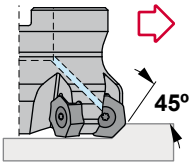
It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften:

Extra positiver Planfräser mit 45º Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt. Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.





1852.93 45º

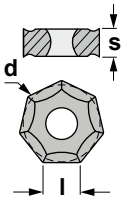
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1852.93.063	5	63	74	50	22	22	5.5	NNMU 2007..	0,800
1852.93.080	6	80	91	50	27	25	5.5	NNMU 2007..	1,150
1852.93.100	7	100	111	50	32	26	5.5	NNMU 2007..	1,700
1852.93.125	8	125	136	63	40	30	5.5	NNMU 2007..	2,750
1852.90.160	10	160	171	63	40	30	5.5	NNMU 2007..	4,600

Reference Bezeichnung					DIN 2079	Nm
1852.93.063	1250	5520	-	912,10	-	4.0
1852.93.080	1250	5520	-	912,12	-	4.0
1852.93.100	1250	-	5620	912,16	-	4.0
1852.93.125	1250	-	5620	-	-	4.0
1852.90.160	1250	-	5620	912,52	40	4.0

NNM..

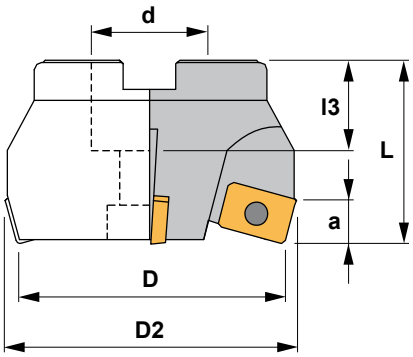
Heptagonal positive insert with 15º clearance. F15
Siebeneckige positive Wendeschneidplatte mit 15º Freiwinkel.

Reference / Bez.	l	s	d
NNMU 2007..	8,2	7,25	20,00

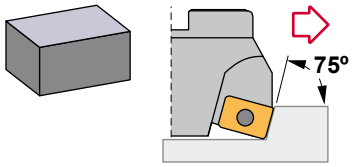


NNM..

Characteristics:
Positive milling cutter with 75° entering angle.
Recommended for manual machines as well as for C.N.C. machines.
It allows to use the edges of APMT and APKT inserts that are not used currently.



Eigenschaften: Positiver Fräser mit 75° Einstellwinkel. Für allgemeine Anwendungen in manuellen und CNC-Maschinen geeignet. Der Fräser schneidet mit den Schnittkanten der Wendeschneidplatten APMT und APKT, die normalerweise nicht benutzt werden.



1430.90 75°

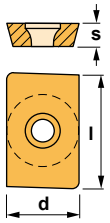
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1430.90.050	3	50	54	40	16	18	7	AP.. 1604..	0,350
1430.90.063	4	63	67	50	27	22	7	AP.. 1604..	0,700
1430.90.080	5	80	84	50	32	25	7	AP.. 1604..	1,100
1430.90.100	6	100	104	50	40	30	7	AP.. 1604..	1,900

Reference Bezeichnung					Nm
1430.90.050	1240	5515	-	1058	3.0
1430.90.063	1240	5515	-	912,12	3.0
1430.90.080	1240	5515	-	912,17	3.0
1430.90.100	1240	-	5615	912,20	3.0

AP..

Parallelogram positive inserts with 11° clearance.
Parallelogramme positive Wendeschneidplatten mit 11° Freiwinkel. F11

Reference / Bez.	l	s	d
AP.. 1604..	17,00	4,76	9,52

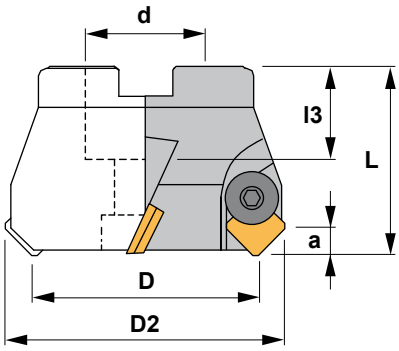


APHT-AL

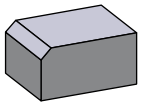
APKT

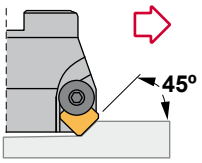
APMT

Characteristics:
Super positive milling cutter with 45º entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on hard steels, alloyed steels, stainless steels, refractory casts and aluminium alloys.



Eigenschaften:
Extra positiver Planfräser mit 45º Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.





0748.90 45º

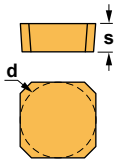
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
0748.90.050	4	50	63	40	22	20	6	SEK.. 1203..	0,350
0748.90.063	5	63	76	50	22	20	6	SEK.. 1203..	0,850
0748.90.080	6	80	93	50	27	22	6	SEK.. 1203..	1,200
0748.90.100	6	100	113	50	32	25	6	SEK.. 1203..	1,850
0748.90.125	7	125	138	63	40	30	6	SEK.. 1203..	3,250
0748.90.160	8	160	173	63	40	30	6	SEK.. 1203..	4,600
0748.90.200	10	200	213	63	60	40	6	SEK.. 1203..	9,100

Reference Bezeichnung							DIN 2079	Nm
0748.90.050	1006L	2063	3010	1630	5004	912,10	-	3.5
0748.90.063	1006L	2063	3010	1630	5004	912,10	-	3.5
0748.90.080	1006L	2063	3010	1630	5004	912,12	-	3.5
0748.90.100	1006L	2063	3010	1630	5004	912,17	-	3.5
0748.90.125	1006L	2063	3010	1630	5004	-	-	3.5
0748.90.160	1006L	2063	3010	1630	5004	912,52	40	3.5
0748.90.200	1006L	2063	3010	1630	5004	912,56	50	3.5

SEK..

Square positive inserts with 20º clearance.
Vierkantige positive Wendeschneidplatten mit 20º Freiwinkel. F18

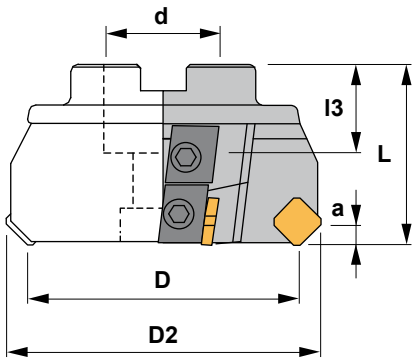
Reference / Bez.	l	s	d
SEK.. 1203..	12,70	3,18	12,70



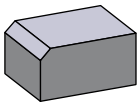
SEKN

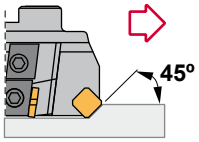
SEKR

Characteristics:
Super positive milling cutter with 45° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on hard steels, alloyed steels, stainless steels, refractory casts and aluminium alloys.



Eigenschaften:
Extra positiver Planfräser mit 45° Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.





0748.99 45°

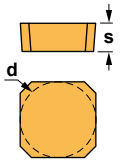
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
0748.99.080	6	80	92	50	27	22	6	SEK.. 1203..	1,450
0748.99.100	8	100	112	50	32	25	6	SEK.. 1203..	2,250
0748.99.125	8	125	137	63	40	30	6	SEK.. 1203..	3,750
0748.99.160	10	160	172	63	40	30	6	SEK.. 1203..	5,000
0748.99.200	12	200	212	63	60	40	6	SEK.. 1203..	7,300
0748.99.250	16	250	262	63	60	40	6	SEK.. 1203..	12,050

Reference Bezeichnung									DIN 2079	Nm
0748.99.080	1077	5520	-	6488	6489	6918	1460	912,12	-	4.0
0748.99.100	1077	-	5620	6488	6489	6918	1460	912,17	-	4.0
0748.99.125	1077	-	5620	6488	6489	6918	1460	-	-	4.0
0748.99.160	1077	-	5620	6488	6489	6918	1460	912,52	40	4.0
0748.99.200	1077	-	5620	6488	6489	6918	1460	912,56	50	4.0
0748.99.250	1077	-	5620	6488	6489	6918	1460	912,56	50	4.0

SEK..

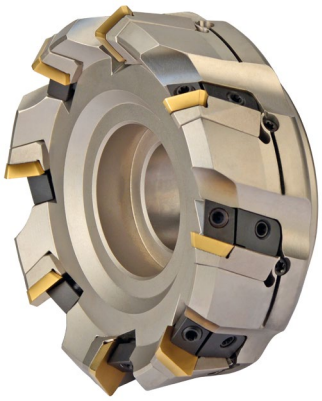
Square positive inserts with 20° clearance.
Vierkantige positive Wendeschneidplatten mit 20° Freiwinkel. F18

Reference / Bez.	l	s	d
SEK.. 1203..	12,70	3,18	12,70

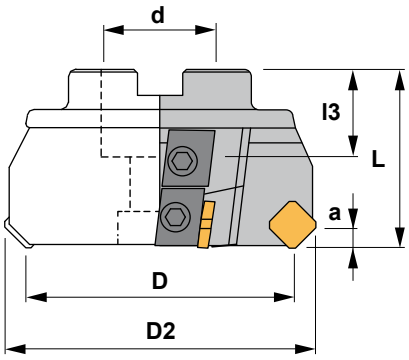


SEKN

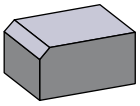
SEKR

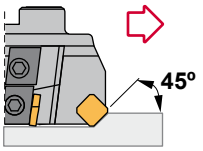


Characteristics:
Super positive milling cutter with 45º entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine.
It works well on hard steels, alloyed steels, stainless steels, refractory casts and aluminium alloys.



Eigenschaften:
Extra positiver Planfräser mit 45º Einstellwinkel, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.





0758.99 45º

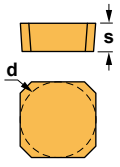
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
0758.99.080	6	80	98	50	27	22	9	SEK.. 1504..	1,350
0758.99.100	8	100	118	50	32	25	9	SEK.. 1504..	2,200
0758.99.125	8	125	143	63	40	30	9	SEK.. 1504..	3,550
0758.99.160	10	160	178	63	40	30	9	SEK.. 1504..	5,450
0758.99.200	12	200	218	63	60	40	9	SEK.. 1504..	9,050
0758.99.250	16	250	268	63	60	40	9	SEK.. 1504..	13,250

Reference Bezeichnung									DIN 2079	Nm
0758.99.080	1077	5520	-	6490	6491	6920	1460	912,12	-	4.0
0758.99.100	1077	-	5620	6490	6491	6920	1460	912,17	-	4.0
0758.99.125	1077	-	5620	6490	6491	6920	1460	-	-	4.0
0758.99.160	1077	-	5620	6490	6491	6920	1460	912,52	40	4.0
0758.99.200	1077	-	5620	6490	6491	6920	1460	912,56	50	4.0
0758.99.250	1077	-	5620	6490	6491	6920	1460	912,56	50	4.0

SEK..

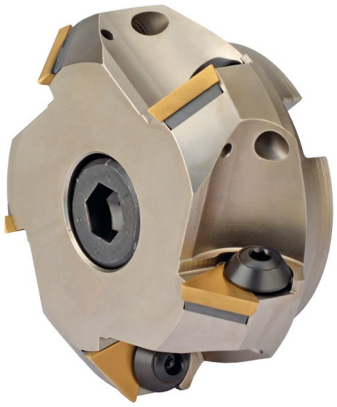
Square positive inserts with 20º clearance.
Vierkantige positive Wendeschneidplatten mit 20º Freiwinkel. F18

Reference / Bez.	l	s	d
SEK.. 1504..	15,88	4,76	15,88

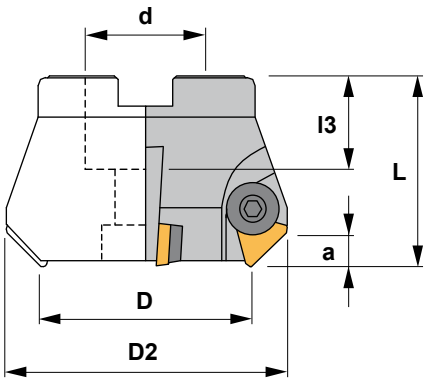


SEKN

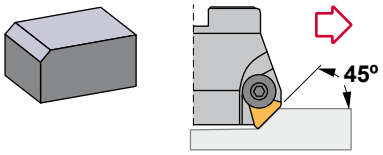
SEKR



Characteristics:
General purpose positive milling cutter with 45° entering angle.
Recommended for manual machines as well as for C.N.C. machines.



Eigenschaften:
Positiver Fräser mit 45° Einstellwinkel.
Für allgemeine Anwendungen in manuellen und CNC-Maschinen geeignet.



0640.90 45°

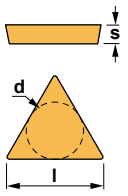
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
0640.90.032	3	32	62	50	22	20	11	TPUN 2204..	0,450
0640.90.040	3	40	70	50	27	22	11	TPUN 2204..	0,700
0640.90.050	4	50	80	50	27	22	11	TPUN 2204..	0,800
0640.90.063	4	63	93	50	32	25	11	TPUN 2204..	1,300
0640.90.080	5	80	110	50	40	30	11	TPUN 2204..	1,800

Reference Bezeichnung							Nm
0640.90.032	1008	5005	2088	3022	4022	912,10	4.0
0640.90.040	1008	5005	2088	3022	4022	912,12	4.0
0640.90.050	1008	5005	2088	3022	4022	912,12	4.0
0640.90.063	1008	5005	2088	3022	4022	912,16	4.0
0640.90.080	1008	5005	2088	3022	4022	912,20	4.0

TPUN

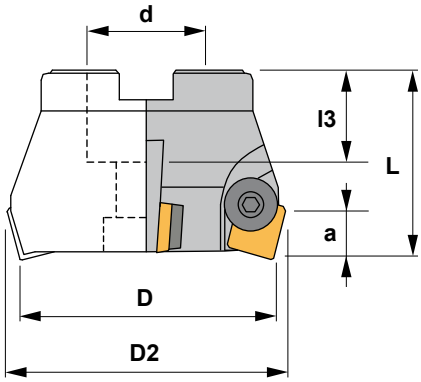
Triangular positive insert with 11° clearance.
Dreikantige positive Wendeschneidplatte mit 11° Freiwinkel. F22

Reference / Bez.	l	s	d
TPUN 2204..	22,00	4,76	12,70

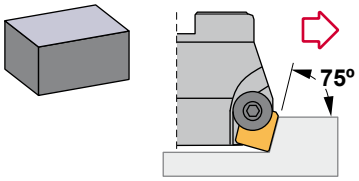


TPUN

Characteristics:
General purpose positive milling cutter with 75° entering angle. Its strong inserts accept high cutting depths and high feed per teeth.
Recommended for manual machines as well as for C.N.C. machines.



Eigenschaften:
Positiver Planfräser mit 75° Einstellwinkel für allgemeine Anwendungen. Seine starken Wendeschneidplatten akzeptieren einen hohen Vorschub pro Zahn.
Für manuelle und CNC-Maschinen geeignet.



0440.90 75°

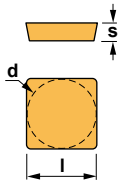
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
0440.90.040	3	40	46	40	16	18	9	SP.. 1203..	0,250
0440.90.050	3	50	56	40	22	20	9	SP.. 1203..	0,300
0440.90.063	4	63	69	50	27	22	9	SP.. 1203..	0,700
0440.90.080	5	80	86	50	32	25	9	SP.. 1203..	1,100
0440.90.100	6	100	106	50	40	30	9	SP.. 1203..	1,800
0440.90.125	6	125	131	63	40	30	9	SP.. 1203..	3,500
0440.90.160	7	160	166	63	40	30	9	SP.. 1203..	5,600
0440.90.200	8	200	206	63	60	40	9	SP.. 1203..	9,150

Reference Bezeichnung							Nm
0440.90.040	1006	5004	2066	-	-	1058	3.5
0440.90.050	1006	5004	2066	3012	4012	912,10	3.5
0440.90.063	1006	5004	2066	3012	4012	912,12	3.5
0440.90.080	1006	5004	2066	3012	4012	912,17	3.5
0440.90.100	1006	5004	2066	3012	4012	912,20	3.5
0440.90.125	1006	5004	2066	3012	4012	-	3.5
0440.90.160	1006	5004	2066	3012	4012	912,52	3.5
0440.90.200	1006	5004	2066	3012	4012	912,56	3.5

SP..

Square positive inserts with 11° clearance.
Vierkantige positive Wendeschneidplatten mit 11° Freiwinkel. F19-20

Reference / Bez.	l	s	d
SP.. 1203..	12,70	3,18	12,70

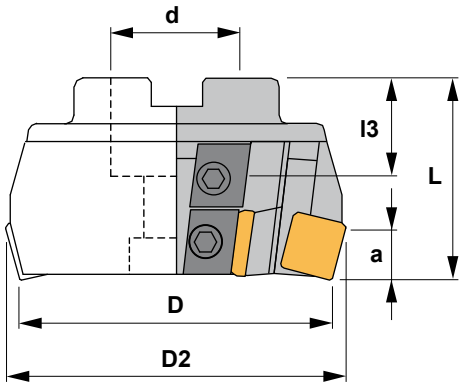


SPKN

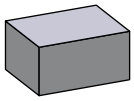
SPKR

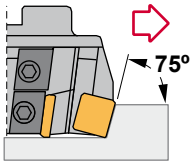
SPUN

Characteristics:
General purpose positive milling cutter with 75° entering angle.
Recommended for manual machines as well as for C.N.C. machines. It is a good choice for economical machining since the SPUN type insert can be fitted.



Eigenschaften:
Positiver Planfräser mit 75° Einstellwinkel für allgemeine Anwendungen.
Für manuelle und CNC-Maschinen geeignet. Es ist eine gute Wahl für eine wirtschaftliche Bearbeitung, da man die SPUN-Wendeschneidplatten verwenden kann.





0440.99 75°

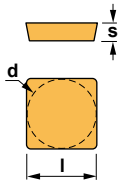
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
0440.99.080	5	80	86	50	27	22	9	SP.. 1203..	1,250
0440.99.100	7	100	106	50	32	25	9	SP.. 1203..	2,000
0440.99.125	8	125	131	63	40	30	9	SP.. 1203..	3,500
0440.99.160	10	160	166	63	40	30	9	SP.. 1203..	5,750
0440.99.200	12	200	206	63	60	40	9	SP.. 1203..	9,000
0440.99.250	16	250	256	63	60	40	9	SP.. 1203..	14,200
0440.99.315	20	315	321	63	60	40	9	SP.. 1203..	31,000
0440.99.400	26	400	406	63	60	40	9	SP.. 1203..	47,500
0440.99.500	34	500	506	63	60	40	9	SP.. 1203..	85,000

Reference Bezeichnung									DIN 2079	Nm
0440.99.080	1077	5520	-	6437	6438	6914	1460	912,12	-	4.0
0440.99.100	1077	-	5620	6437	6438	6914	1460	912,20	-	4.0
0440.99.125	1077	-	5620	6437	6438	6914	1460	-	-	4.0
0440.99.160	1077	-	5620	6437	6438	6914	1460	912,52	40	4.0
0440.99.200	1077	-	5620	6437	6438	6914	1460	912,56	50	4.0
0440.99.250	1077	-	5620	6437	6438	6914	1460	912,56	50	4.0
0440.99.315	1077	-	5620	6437	6438	6914	1460	912,56	50/60	4.0
0440.99.400	1077	-	5620	6437	6438	6914	1460	912,56	50/60	4.0
0440.99.500	1077	-	5620	6437	6438	6914	1460	912,56	50/60	4.0

SP..

Square positive inserts with 11° clearance.
Vierkantige positive Wendeschneidplatten mit 11° Freiwinkel. F19-20

Reference / Bez.	l	s	d
SP.. 1203..	12,70	3,18	12,70



SPKN

SPKR

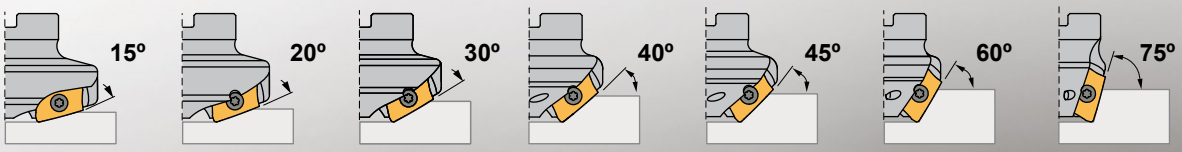
SPUN

Chamfer-Plus

The new Chamfer-Plus line is designed to provide high metal removal rates while reducing production costs. The new chamfering cutters use the same inserts and hardware as the Mill-Plus square shoulder mills, allowing to increase the versatility of both cutters without additional spare parts.

Die neue Chamfer-Plus Serie wurde entwickelt, um hohe Spanabfuhr-Raten zu bieten und gleichzeitig die Produktionskosten zu reduzieren. Die neuen Anfasfräser verwenden dieselben Wendeschneidplatten und Ersatzteilen als die Mill-Plus Eckfräser, wodurch die Vielseitigkeit der beiden Fräser ohne zusätzliche Ersatzteile erhöht wird.

1745.93 15-75º



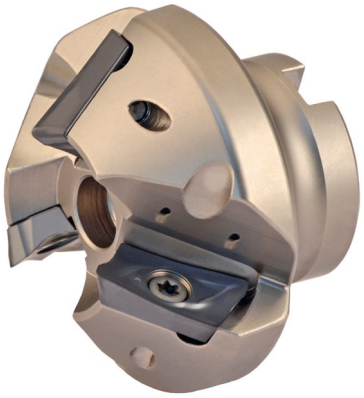
Features

- *Suitable for pre-welding operations*
- *High helix sharp cutting*
- *Exerts low force*
- *Two helical long cutting edges*
- *Screw clamping*

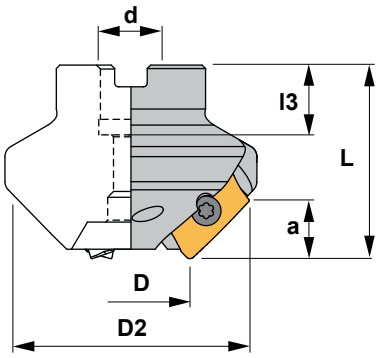
Eigenschaften

- *Geeignet für Vorschweiß-Operationen*
- *Sehr scharfer spiralformiger Schnitt*
- *Übt geringe Schnittkraft aus*
- *Zwei spiralformige lange Schnittkanten*
- *Schraubenklemmung*

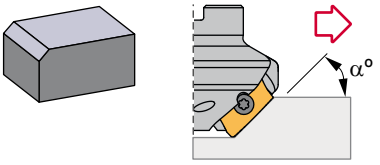
F



Characteristics:
Super positive face chamfering milling cutter with 15 to 75° entering angle that decreases cutting forces and allows a quick feed in a limited capacity machine. It works well on steels, stainless steel, alloyed steels, cast iron and aluminium alloys.



Eigenschaften:
Extra positiver Plan- und Anfasfräser mit einem Einstellwinkel von 15° bis 75°, der die Schnittkraft reduziert und einen schnellen Vorschub in einer Maschine mit beschränkter Leistung erlaubt.
Für Stahl, rostfreien Stahl, legierten Stahl, Guß und Aluminium-Legierungen empfohlen.



1745.93 15-75°

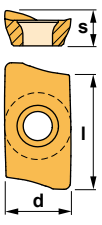
Reference Bezeichnung		D	D2	L	d	l3	a	Insert size Wendeschneidplatte	Kg
1745.93.032/15	3	32	71,7	50	22	20	5	ADKT 2206..	1,074
1745.93.032/20	3	32	70,6	50	22	20	7	ADKT 2206..	0,941
1745.93.032/30	3	32	67,6	50	22	20	10	ADKT 2206..	0,803
1745.93.032/40	3	32	63,5	50	22	20	13	ADKT 2206..	0,659
1745.93.032/45	3	32	61,1	50	16	18	14	ADKT 2206..	0,538
1745.93.032/60	3	32	52,4	50	16	18	18	ADKT 2206..	0,378
1745.93.032/75	3	32	42,8	50	16	18	20	ADKT 2206..	0,258

Reference Bezeichnung				Nm
1745.93.032/15	1550	5520	912,10	4.0
1745.93.032/20	1550	5520	912,10	4.0
1745.93.032/30	1550	5520	912,10	4.0
1745.93.032/40	1550	5520	912,10	4.0
1745.93.032/45	1550	5520	1058	4.0
1745.93.032/60	1550	5520	1058	4.0
1745.93.032/75	1550	5520	1128	4.0

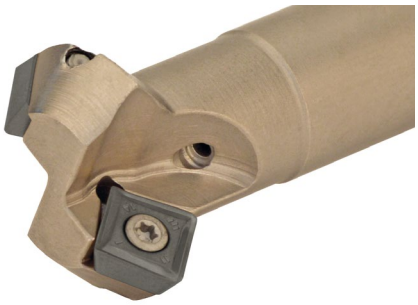
ADKT

Parallelogram positive insert with 15° clearance.
Parallelogramme positive Wendeschneidplatte mit 15° Freiwinkel. F10

Reference / Bez.	l	s	d
ADKT 2206..	20,00	6,74	12,70

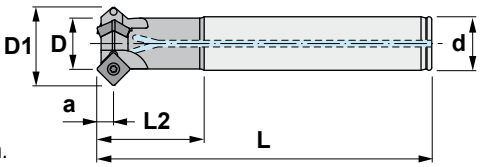


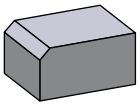
ADKT

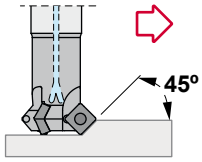


Characteristics:
Chamfering milling cutter for diversified manufacture.
Recommended for small conventional milling machines and machining centers.

Eigenschaften:
Anfasfräser für allgemeine Anwendungen.
Für kleine konventionelle Fräsmaschinen und Bearbeitungszentren geeignet.







0735.03 45°

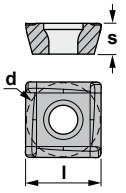
Reference Bezeichnung		D	D1	L	d	L2	a	Insert size Wendeschneidplatte	Kg
0735.03.008	1	8	19,3	100	16	30	6	SDMT 09T3..	0,120
0735.03.016	2	16	27,5	100	20	30	6	SDMT 09T3..	0,140
0735.03.020	3	20	31,5	125	25	40	6	SDMT 09T3..	0,270

Reference Bezeichnung			Nm
0735.03.008	1430	5508	1.2
0735.03.016	1230	5508	1.2
0735.03.020	1230	5508	1.2

SDMT

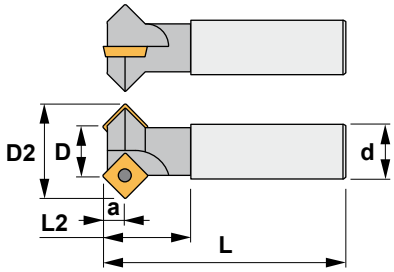
Square positive insert with 15° clearance. F17
Vierkantige positive Wendeschneidplatte mit 15° Freiwinkel.

Reference / Bez.	l	s	d
SDMT 09T3..	9,52	3,97	9,52

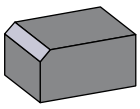


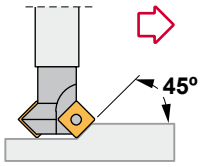
SDMT

Characteristics:
Chamfering milling cutter for diversified manufacture.
Recommended for small conventional milling machines and machining centers.



Eigenschaften:
Anfasfräser für allgemeine Anwendungen.
Für kleine konventionelle Fräsmaschinen und Bearbeitungszentren geeignet.

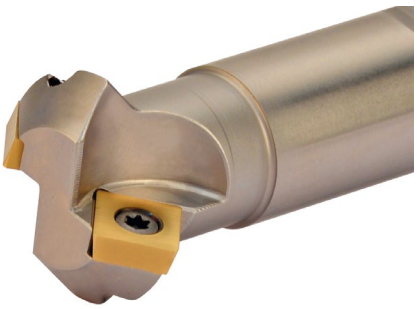




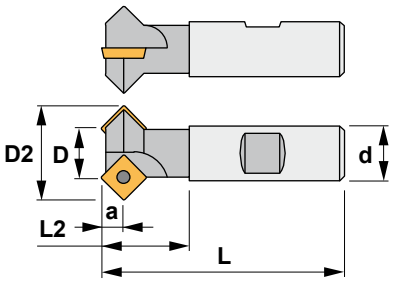
0740.00

Reference Bezeichnung		D	D2	L	L2	d	a	Insert size Wendeschneidplatte	Kg
0740.00.005	1	6,5	22	110	35	20	7	SPM.. 1204..	0,250
0740.00.020	2	20,0	37	125	35	25	7	SPM.. 1204..	0,450

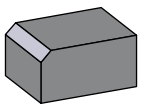
Reference Bezeichnung			Nm
0740.00.005	1550	5520	4.0
0740.00.020	1550	5520	4.0

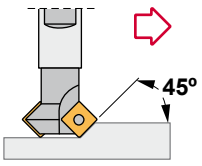


Characteristics:
Chamfering milling cutter for diversified manufacture.
Recommended for small conventional milling machines and machining centers.



Eigenschaften:
Anfasfräser für allgemeine Anwendungen.
Für kleine konventionelle Fräsmaschinen und Bearbeitungszentren geeignet.





0740.07

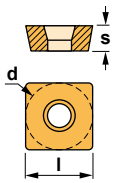
Reference Bezeichnung		D	D2	L	L2	d	a	Insert size Wendeschneidplatte	Kg
0740.07.005	1	6,5	22	110	35	25	7	SPM.. 1204..	0,350
0740.07.020	2	20,0	37	110	35	25	7	SPM.. 1204..	0,400

Reference Bezeichnung			Nm
0740.07.005	1550	5520	4.0
0740.07.020	1550	5520	4.0

SPM..

Square positive inserts with 11° clearance.
Vierkantige positive Wendeschneidplatten mit 11° Freiwinkel. F19-20

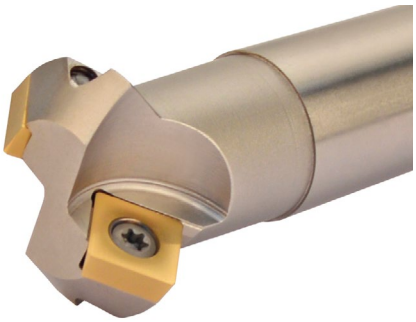
Reference / Bez.	l	s	d
SPM.. 1204..	12,70	4,76	12,70



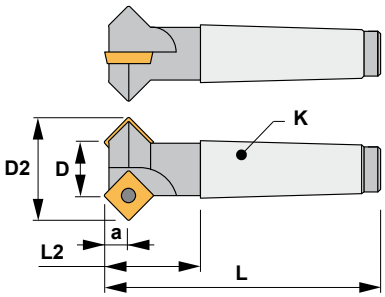
SPMT

SPMW

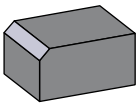
F

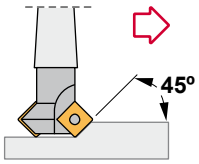


Characteristics:
Chamfering milling cutter for diversified manufacture.
Recommended for small conventional milling machines and machining centers.



Eigenschaften:
Anfasfräser für allgemeine Anwendungen.
Für kleine konventionelle Fräsmaschinen und Bearbeitungszentren geeignet.





0740.30

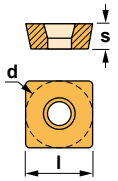
Reference Bezeichnung		D	D2	L	L2	a	K	Insert size Wendeschneidplatte	Kg
0740.30.005	1	6,5	22	125	39	7	MK3	SPM.. 1204..	0,300
0740.30.020	2	20,0	37	125	39	7	MK3	SPM.. 1204..	0,300

Reference Bezeichnung			Nm
0740.30.005	1550	5520	4.0
0740.30.020	1550	5520	4.0

SPM..

Square positive inserts with 11° clearance.
Vierkantige positive Wendeschneidplatten mit 11° Freiwinkel. F19-20

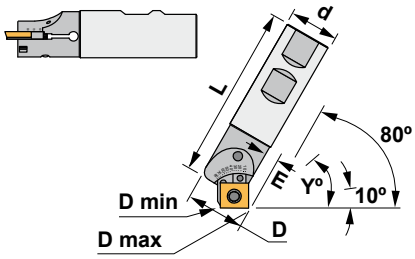
Reference / Bez.	l	s	d
SPM.. 1204..	12,70	4,76	12,70



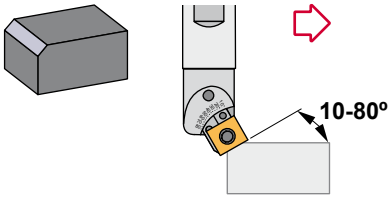
SPMT

SPMW

Characteristics:
Adjustable chamfering milling cutter for specific operations.
Recommended for small conventional milling machines and machining centers.



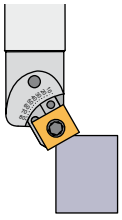
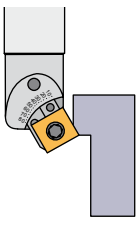
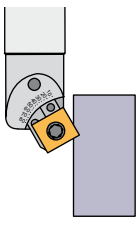
Eigenschaften:
Verstellbarer Winkelfräser zum Anfasen für spezifische Anwendungen.
Für kleine konventionelle Fräsmaschinen und Bearbeitungszentren geeignet.



1744.$^{0}_{2}$7

Reference Bezeichnung		D	d	L	Y	Dmin	Dmax	Insert size Wendeschneidplatte	Kg
1744.07.025	1	29	25	101	10°	7,5	30,0	SC.. 1204..	0,250
1744.27.025	1	29	25	176	20°	10,0	32,0	SC.. 1204..	0,500
					30°	13,0	32,5		
					40°	16,5	33,5		
					45°	17,5	33,5		
					50°	19,0	33,5		
					60°	22,0	33,5		
					70°	24,5	32,5		
					80°	27,0	31,0		

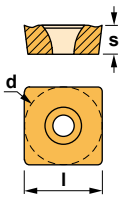
Reference Bezeichnung					Nm
1744.07.025	6944	1244	1296	5520	4.0
1744.27.025	6944	1244	1296	5520	4.0

SC..

Square positive inserts with 7° clearance.
Vierkantige positive Wendeschneidplatten mit 7° Freiwinkel. F17

Reference / Bez.	l	s	d
SC.. 1204..	12,70	4,76	12,70

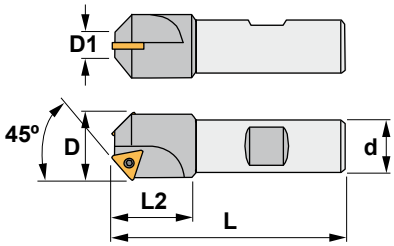


SCGT-AL

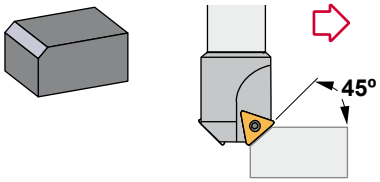
SCMT-39

SCMW

Characteristics:
Countersink milling cutter for specific operations.
Recommended for small conventional milling machines and machining centers.



Eigenschaften:
Senker für spezifische Anwendungen.
Für kleine konventionelle Fräsmaschinen und Bearbeitungszentren geeignet.

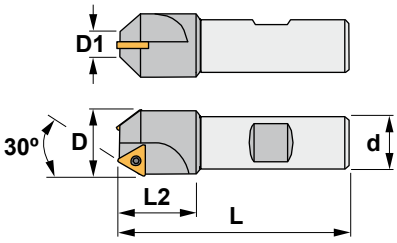


0624.07

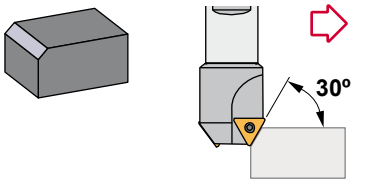
Reference Bezeichnung		D1	D	L	L2	d	Insert size Wendeschneidplatte	Kg
0624.07.016	1	1,2	16	70	24	12	TC.. 1102..	0,100
0624.07.021	2	8,5	21	90	30	20	TC.. 1102..	0,150

Reference Bezeichnung			Nm
0624.07.016	1425	5507	0.9
0624.07.021	1425	5507	0.9

Characteristics:
Countersink milling cutter for specific operations.
Recommended for small conventional milling machines and machining centers.



Eigenschaften:
Senker für spezifische Anwendungen.
Für kleine konventionelle Fräsmaschinen und Bearbeitungszentren geeignet.



0724.07

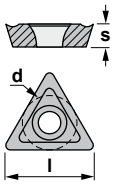
Reference Bezeichnung		D1	D	L	L2	d	Insert size Wendeschneidplatte	Kg
0724.07.016	1	5,4	16	70	24	12	TC.. 1102..	0,100
0724.07.026	2	15,8	26	90	30	20	TC.. 1102..	0,170

Reference Bezeichnung			Nm
0724.07.016	1425	5507	0.9
0724.07.026	1425	5507	0.9

TC..

Triangular positive inserts with 7° clearance.
Dreikantige positive Wendeschneidplatten mit 7° Freiwinkel. A44,F21

Reference / Bez.	l	s	d
TC.. 1102..	11,00	2,38	6,35

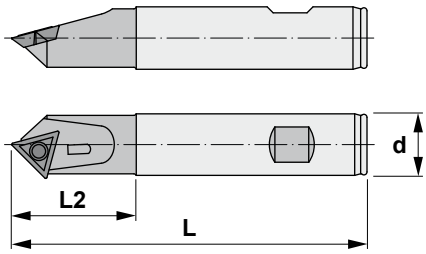


TCGT-AL

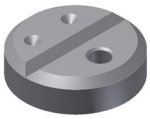
TCMT

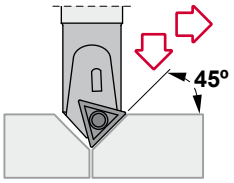
TCMW

Characteristics:
Indexable spotting drill holders for spotting, engraving, grooving and chamfering on milling machines and machining centers.
Also for spotting and facing on CNC lathes.



Eigenschaften:
Fräser für Wendeschneidplatten zum Anbohren, Gravieren, Nutenstechen und Anfasen auf Fräsmaschinen und Bearbeitungscentren.
Auch zum Anbohren und Plansenken auf CNC-Drehmaschinen.





0634.37

Reference Bezeichnung		L	L2	d	Insert size Wendeschneidplatte	Kg
0634.37.000	1	115,5	40,5	20	TCMX 16T3..	0,410

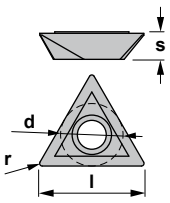
Reference Bezeichnung			Nm
0634.37.000	1240	5515	3.0

F

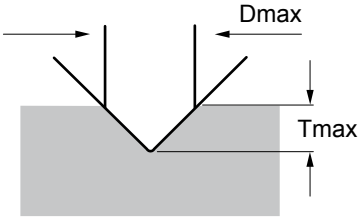
TCMX

Triangular positive insert with 7° clearance.
Dreikantige positive Wendeschneidplatte mit 7° Freiwinkel. F21

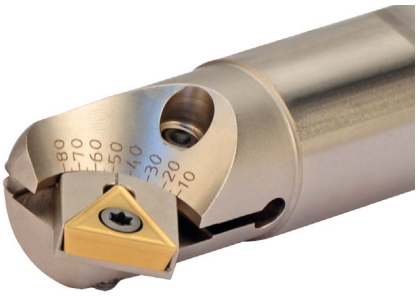
Reference / Bez.	l	s	d	r
TCMX 16T300	16,50	3,97	9,52	0,4



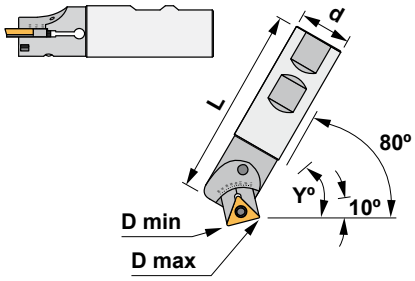
TCMX



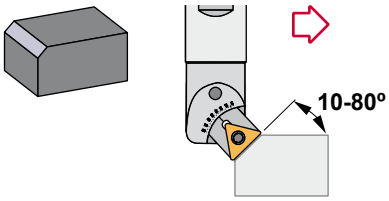
Dmax	Tmax
10	4



Characteristics:
Adjustable chamfering milling cutter for specific operations.
Recommended for small conventional milling machines and machining centers.



Eigenschaften:
Verstellbarer Winkelfräser zum Anfasen für spezifische Anwendungen.
Für kleine konventionelle Fräsmaschinen und Bearbeitungszentren geeignet.



$16^{2}_{3}4.^{0}_{2}7$

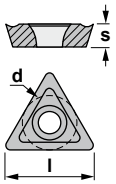
Reference Bezeichnung		d	L	Y	Dmin	Dmax	Insert size Wendeschneidplatte	Kg
1624.07.020	1	20	100	10º - 80º	5	20	TC.. 1102..	0,250
1634.07.025	1	25	100	10º - 80º	5	23	TC.. 16T3..	0,250
1634.27.025	1	25	175	10º - 80º	5	23	TC.. 16T3..	0,500

Reference Bezeichnung					Nm
1624.07.020	6921	1225	1905	5507	0.9
1634.07.025	6926	1240	1296	5515	3.0
1634.27.025	6926	1240	1296	5515	3.0

TC..

Triangular positive inserts with 7º clearance.
Dreikantige positive Wendeschneidplatten mit 7º Freiwinkel. F21

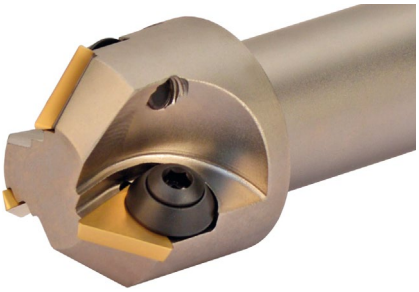
Reference / Bez.	l	s	d
TC.. 1102..	11,00	2,38	6,35
TC.. 16T3..	16,50	3,97	9,52



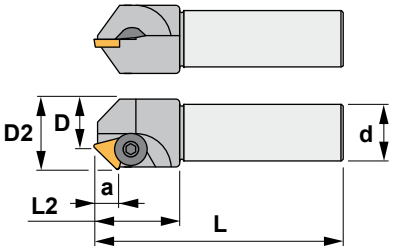
TCGT-AL

TCMT-39

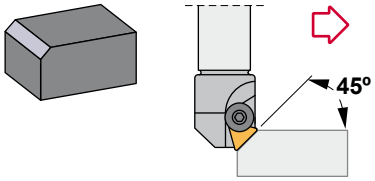
TCMW



Characteristics:
General purpose positive milling cutter with 45° entering angle.
Recommended for manual machines as well as for C.N.C. machines.



Eigenschaften:
Positiver Planfräser mit 45° Einstellwinkel für allgemeine Anwendungen.
Für manuelle und CNC-Maschinen geeignet.

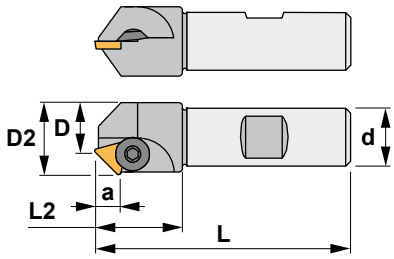


0630.00

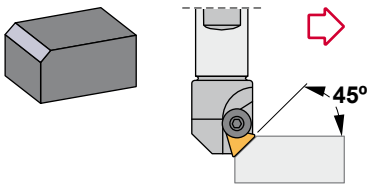
Reference Bezeichnung		D	D2	L	L2	d	a	Insert size Wendeschneidplatte	Kg
0630.00.005	1	6,5	26,5	110	35	20	8	TPUN 1603..	0,300
0630.00.020	3	20,0	40,0	125	35	25	8	TPUN 1603..	0,500

Reference Bezeichnung				Nm
0630.00.005	1006	2064	5004	3.5
0630.00.020	1006	2064	5004	3.5

Characteristics:
General purpose positive milling cutter with 45° entering angle.
Recommended for manual machines as well as for C.N.C. machines.



Eigenschaften:
Positiver Planfräser mit 45° Einstellwinkel für allgemeine Anwendungen.
Für manuelle und CNC-Maschinen geeignet.



0630.07

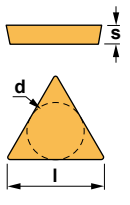
Reference Bezeichnung		D	D2	L	L2	d	a	Insert size Wendeschneidplatte	Kg
0630.07.005	1	6,5	26,5	110	35	25	8	TPUN 1603..	0,400
0630.07.020	3	20,0	40,0	110	35	25	8	TPUN 1603..	0,450

Reference Bezeichnung				Nm
0630.07.005	1006	2064	5004	3.5
0630.07.020	1006	2064	5004	3.5

TPUN

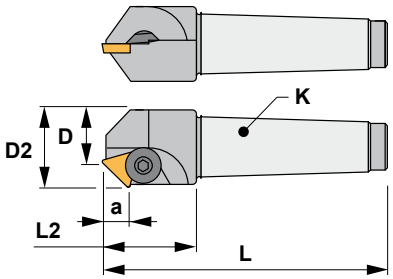
Triangular positive insert with 11° clearance.
Dreikantige positive Wendeschneidplatte mit 11° Freiwinkel. F22

Reference / Bez.	l	s	d
TPUN 1603..	16,50	3,18	9,52

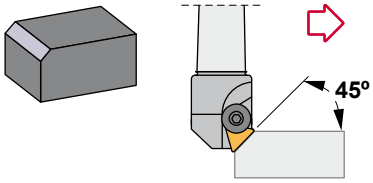


TPUN

Characteristics:
General purpose positive milling cutter with 45° entering angle.
Recommended for manual machines as well as for C.N.C. machines.



Eigenschaften:
Positiver Planfräser mit 45° Einstellwinkel für allgemeine Anwendungen.
Für manuelle und CNC-Maschinen geeignet.



0630.30

Reference Bezeichnung		D	D2	L	L2	a	K	Insert size Wendeschneidplatte	Kg
0630.30.005	1	6,5	26,5	125	37	8	MK3	TPUN 1603..	0,350
0630.30.020	3	20,0	40,0	125	37	8	MK3	TPUN 1603..	0,400

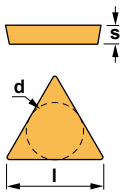
F

Reference Bezeichnung				Nm
0630.30.005	1006	2064	5004	3.5
0630.30.020	1006	2064	5004	3.5

TPUN

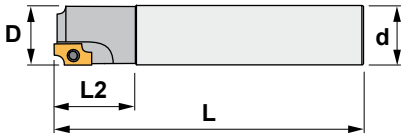
Triangular positive insert with 11° clearance.
Dreikantige positive Wendeschneidplatte mit 11° Freiwinkel. F22

Reference / Bez.	l	s	d
TPUN 1603..	16,50	3,18	9,52

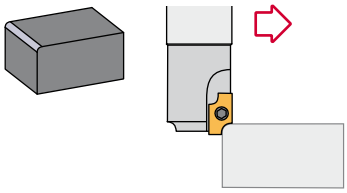


TPUN

Characteristics:
Milling cutter with concave radius.
It works well on steels, alloyed steels, stainless steels and refractories.



Eigenschaften:
Viertelkreisfräser mit konkavem Radius.
Dieser Eckfräser wird für Stahl, legierten Stahl, rostfreien Stahl und hitzebeständige Gußteile empfohlen.



1235.01

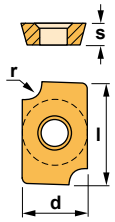
Reference Bezeichnung		d	D	L	L2	rmin	rmax	Insert size Wendeschneidplatte	Kg
1235.01.01701	1	16	17	120	30	1,0	2,5	ADMT 1503R1.0 / 2.5	0,200
1235.01.01703	1	16	17	120	30	3,0	5,0	ADMT 1503R3.0 / 5.0	0,200

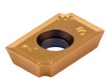
Reference Bezeichnung			Nm
1235.01.01701	1440	5515	3.0
1235.01.01703	1440	5515	3.0

ADMT-R

Parallelogram positive inserts with 15° clearance.
Parallelogramme positive WSP mit 15° Freiwinkel. F10

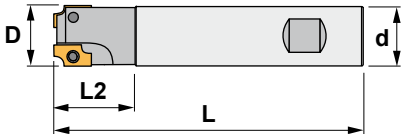
Reference / Bezeichnung	r	s	d
ADMT 1503R1.0	1.0	3,18	9,52
ADMT 1503R1.5	1.5	3,18	9,52
ADMT 1503R2.0	2.0	3,18	9,52
ADMT 1503R2.5	2.5	3,18	9,52
ADMT 1503R3.0	3.0	3,18	9,52
ADMT 1503R3.5	3.5	3,18	9,52
ADMT 1503R4.0	4.0	3,18	9,52
ADMT 1503R4.5	4.5	3,18	9,52
ADMT 1503R5.0	5.0	3,18	9,52



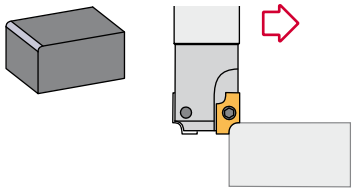
R1.0-R	R1.5-R	R2.0-R
		
R2.5-R	**R3.0-R**	**R3.5-R**
R4.0-R	**R4.5-R**	**R5.0-R**

F

Characteristics:
Milling cutter with concave radius.
It works well on steels, alloyed steels, stainless steels and refractories.



Eigenschaften:
Viertelkreisfräser mit konkavem Radius.
Dieser Eckfräser wird für Stahl, legierten Stahl, rostfreien Stahl und hitzebeständige Gußteile empfohlen.



1235.07

Reference Bezeichnung		d	D	L	L2	rmin	rmax	Insert size Wendeschneidplatte	Kg
1235.07.02201	2	20	22	120	35	1,0	2,5	ADMT 1503R1.0 / 2.5	0,320
1235.07.02203	2	20	22	120	35	3,0	5,0	ADMT 1503R3.0 / 5.0	0,530

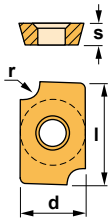
F

Reference Bezeichnung			Nm
1235.07.02201	1440	5515	3.0
1235.07.02203	1440	5515	3.0

ADMT-R

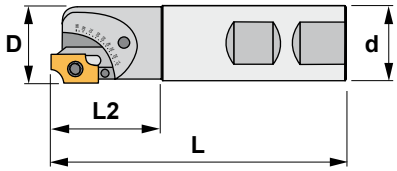
Parallelogram positive inserts with 15° clearance.
Parallelogramme positive WSP mit 15° Freiwinkel. F10

Reference / Bezeichnung	r	s	d
ADMT 1503R1.0	1.0	3,18	9,52
ADMT 1503R1.5	1.5	3,18	9,52
ADMT 1503R2.0	2.0	3,18	9,52
ADMT 1503R2.5	2.5	3,18	9,52
ADMT 1503R3.0	3.0	3,18	9,52
ADMT 1503R3.5	3.5	3,18	9,52
ADMT 1503R4.0	4.0	3,18	9,52
ADMT 1503R4.5	4.5	3,18	9,52
ADMT 1503R5.0	5.0	3,18	9,52

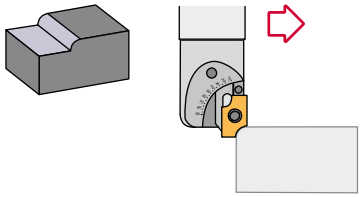


R1.0-R	R1.5-R	R2.0-R
R2.5-R	**R3.0-R**	**R3.5-R**
R4.0-R	**R4.5-R**	**R5.0-R**

Characteristics:
Adjustable milling cutter with concave radius.
It works well on steels, alloyed steels, stainless steels and refractories.



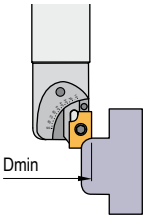
Eigenschaften:
Verstellbarer Viertelkreisfräser mit konkavem Radius.
Dieser Eckfräser wird für Stahl, legierten Stahl, rostfreien Stahl und hitzebeständige Gußteile empfohlen.

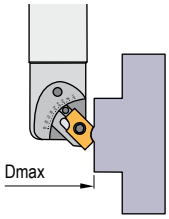


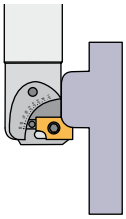
1725.$^{0}_{2}$7

Reference Bezeichnung		D	d	L	L2	Dmin	Dmax	Insert size Wendeschneidplatte	Kg
1725.07.025	1	25,5	25	104	37	26,5	33	ADMT-R 1503	0,250
1725.27.025	1	25,5	25	178	37	26,5	33	ADMT-R 1503	0,500

Reference Bezeichnung					Nm
1725.07.025	6925	1240	1296	5515	3.0
1725.27.025	6925	1240	1296	5515	3.0



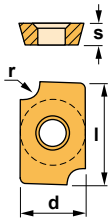




ADMT-R

Parallelogram positive inserts with 15° clearance.
Parallelogramme positive WSP mit 15° Freiwinkel. F10

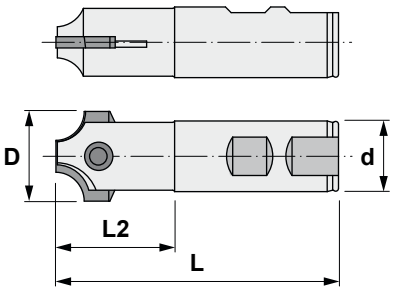
Reference / Bezeichnung	r	s	d
ADMT 1503R1.0	1.0	3,18	9,52
ADMT 1503R1.5	1.5	3,18	9,52
ADMT 1503R2.0	2.0	3,18	9,52
ADMT 1503R2.5	2.5	3,18	9,52
ADMT 1503R3.0	3.0	3,18	9,52
ADMT 1503R3.5	3.5	3,18	9,52
ADMT 1503R4.0	4.0	3,18	9,52
ADMT 1503R4.5	4.5	3,18	9,52
ADMT 1503R5.0	5.0	3,18	9,52



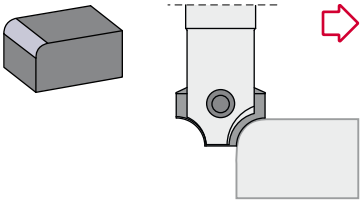
R1.0-R	R1.5-R	R2.0-R
R2.5-R	R3.0-R	R3.5-R
R4.0-R	R4.5-R	R5.0-R

F

Characteristics:
Indexable cutters with concave radius.
Fully ground double cutting edge that offers an economical alternative to conventional corner rounding tools.
One cutter body for 6, 8 and 10 mm radius.



Eigenschaften:
Viertelkreisfräser mit konkavem Radius.
Völlig geschliffene doppelte Schnittkante, die eine wirtschaftliche Alternative zu den konventionellen Werkzeugen zum Kantenrunden anbietet.
Ein einzelner Körper, um Radien 6, 8 und 10 mm zu machen.



1345.07

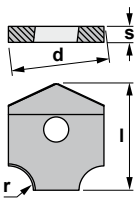
Reference Bezeichnung		L	L2	d	D	Insert size Wendeschneidplatte	Kg
1345.07.012	2	100	33	25	25	HPKW 2504..	0,450

Reference Bezeichnung			Nm
1345.07.012	1609	5530	7.0

HPKW

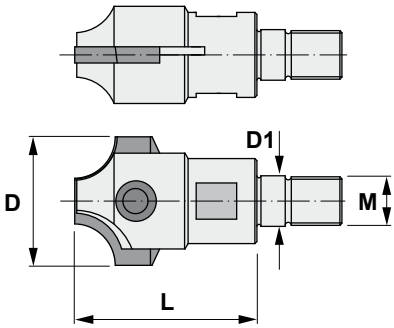
Triangular positive insert with 7° clearance.
Dreikantige positive Wendeschneidplatte mit 11° Freiwinkel. F14

Reference / Bez.	l	s	d	d2	r
HPKW 2504R06	26,50	4,00	25,00	12,00	6,00
HPKW 2504R08	26,50	4,00	25,00	12,00	8,00
HPKW 2504R10	26,50	4,00	25,00	12,00	10,00

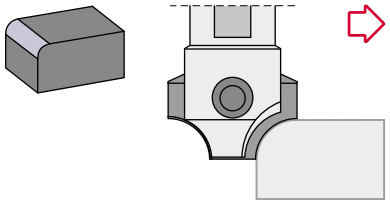


HPKW

Characteristics:
Indexable cutters with concave radius.
Fully ground double cutting edge that offers an economical alternative to conventional corner rounding tools.
One cutter body for 6, 8 and 10 mm radius.



Eigenschaften:
Viertelkreisfräser mit konkavem Radius.
Völlig geschliffene doppelte Schnittkante, die eine wirtschaftliche Alternative zu den konventionellen Werkzeugen zum Kantenrunden anbietet.
Ein einzelner Körper, um Radien 6, 8 und 10 mm zu machen.



1345.06

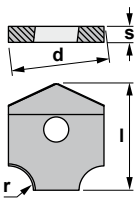
Reference Bezeichnung		L	M	D	D1	Insert size Wendeschneidplatte	Kg
1345.06.012	2	45	M12x1.75	25	12,5	HPKW 2504..	0,300

Reference Bezeichnung			Nm
1345.06.012	1609	5530	7.0

HPKW

Triangular positive insert with 7° clearance.
Dreikantige positive Wendeschneidplatte mit 11° Freiwinkel. F14

Reference / Bez.	l	s	d	d2	r
HPKW 2504R06	26,50	4,00	25,00	12,00	6,00
HPKW 2504R08	26,50	4,00	25,00	12,00	8,00
HPKW 2504R10	26,50	4,00	25,00	12,00	10,00



HPKW

Cutting data for face milling cutters

Material P	HB	Condition	Cutting speed m/min. TIN25 0.3-0.2-0.1	TIN21 0.3-0.2-0.1	TIN28 0.3-0.2-0.1	PM25 0.4-0.2-0.1	PM40 0.4-0.2-0.1	TL40 0.4-0.2-0.1
Unalloyed steel	110 150 310	C<0.25% C<0.80% C<1.40%	250-300-390 155-180-255 135-165-210	250-350-450 100-120-165 75-110-135	140-160-180 120-140-150 80-90-100	180-250-310 120-145-205 95-130-170	100-130-160 65-85-100 50-75-85	180-250-310 120-145-205 95-130-170
Low alloyed steel	125-225 220-450	Hardened	170-200-250 110-130-150	100-120-165 55-75-95	120-140-160 90-120-140	120-160-200 70-100-120	95-85-105 40-55-65	120-160-200 70-100-120
High alloyed steel	150-250 250-300	Hardened	140-170-225 90-110-150	90-115-150 60-75-90	60-80-90 55-60-70	110-140-180 65-90-120	60-80-90 40-50-60	110-140-180 65-90-120
High alloyed steel	150-250 250-300	High speed steel (HSS) Hardened Hardened tool steel	130-160-195	75-105-130	60-65-70	90-125-155 70-95-120	50-60-75 30-40-50	90-125-155 70-95-120
Stainless steel	150-270	Ferritic, martensitic	155-180-250	110-150-190	130-180-220	120-165-210	80-105-130	120-165-210
Steel castings	150 150-250 160-200	Unalloyed Low alloyed High alloyed	140-180-250 125-150-190 90-110-130	80-120-150 70-100-120 55-70-80	60-80-90 55-60-70	100-145-180 90-120-150 65-90-100	60-75-95 50-65-80 35-45-55	100-145-180 90-120-150 65-90-100
Stainless steel castings	150-250	Ferritic, martensitic		50-80	60-65-70	50-70-80	30-40-50	50-70-80

Material M	HB	Condition	Cutting speed m/min. TIN25 0.4-0.2-0.1	TIN21 0.3-0.2-0.1	TIN28 0.4-0.2-0.1	KM15 0.2-0.1	PM25 0.4-0.2-0.1
Stainless steel annealed	150-220	Austenitic	180-220-280	80-150-220	130-180-220		150-240-300
Steel castings	200	Stainless, austenitic		40-70	80-120-160		50-60
Iron, nickel and cobalt base castings	180-300 220-300 220-300			40-100	70-120-140	20-40 20-40 10-20	
Titanium alloys	300-400				40-80		

Material K	HB	Condition	Cutting speed m/min. TIN25 0.4-0.2-0.1	TIN21 0.3-0.2-0.1	TIN28 0.4-0.2-0.1	KM15 0.2-0.1	PM25 0.4-0.2-0.1
Tempered steel	HCR 50-65						15-20-30
Stainless steel castings	250	Manganese steel 12-14% Mn				12-18-20	
Malleable cast iron	110-145 200-230	Short chipping Long chipping		200-300 150-200	180-330	65-80-95 50-65-80	100-125-150 90-115-135
Grey cast iron	180 260	Low tensile strength High tensile strength		200-400 150-350	130-240 110-200	70-95-120 50-70-90	85-120-155 70-90-115
Nodular cast iron	160 250	Ferritic Pearlitic	100-130 90-110	100-250 100-180	70-140 60-120	50-65-80 45-60-70	70-90-115 65-80-100
Chilled cast iron	HCR 40-60						
Aluminium alloys	60-100 75-110	Non cast Cast				500-2100 400-2000	
Aluminium with high contents of Si		10-14% Si 14-16% Si 16-18% Si				200-1000 110-200	

Schnittdaten für Planfräser

Materialien P	HB	Beschaffenheit	Schnittgeschwindigkeit M/Min.					
			TIN25	TIN21	TIN28	PM25	PM40	TL40
			0.3-0.2-0.1	0.3-0.2-0.1	0.3-0.2-0.1	0.4-0.2-0.1	0.4-0.2-0.1	0.4-0.2-0.1
Unlegierter Stahl	110 150 310	C<0.25% C<0.80% C<1.40%	250-300-390 155-180-255 135-165-210	250-350-450 100-120-165 75-110-135	140-160-180 120-140-150 80-90-100	180-250-310 120-145-205 95-130-170	100-130-160 65-85-100 50-75-85	180-250-310 120-145-205 95-130-170
Niedrig legierter Stahl	125-225 220-450	Vergütet	170-200-250 110-130-150	100-120-165 55-75-95	120-140-160 90-120-140	120-160-200 70-100-120	95-85-105 40-55-65	120-160-200 70-100-120
Hochlegierter Stahl	150-250 250-300	Vergütet	140-170-225 90-110-150	90-115-150 60-75-90	60-80-90 55-60-70	110-140-180 65-90-120	60-80-90 40-50-60	110-140-180 65-90-120
Hochlegierter Stahl	150-250 250-300	Schnellstahl (HSS) Vergütet Vergüteter Werkzeugstahl	130-160-195	75-105-130	60-65-70	90-125-155 70-95-120	50-60-75 30-40-50	90-125-155 70-95-120
Rostfreier Stahl	150-270	Ferritisch, Martensitisch	155-180-250	110-150-190	130-180-220	120-165-210	80-105-130	120-165-210
Stahlguß	150 150-250 160-200	Unlegiert Niedrig legiert Hochlegiert	140-180-250 125-150-190 90-110-130	80-120-150 70-100-120 55-70-80	60-80-90 55-60-70	100-145-180 90-120-150 65-90-100	60-75-95 50-65-80 35-45-55	100-145-180 90-120-150 65-90-100
Rostfreier Stahlguß	150-250	Ferritisch, Martensitisch		50-80	60-65-70	50-70-80	30-40-50	50-70-80

Materialien M	HB	Beschaffenheit	Schnittgeschwindigkeit M/Min.				
			TIN25	TIN21	TIN28	KM15	PM25
			0.4-0.2-0.1	0.3-0.2-0.1	0.4-0.2-0.1	0.2-0.1	0.4-0.2-0.1
Rostfreier Stahl, geglüht	150-220	Austenitisch	180-220-280	80-150-220	130-180-220		150-240-300
Stahlguß	200	Rostfrei, austenitisch		40-70	80-120-160		50-60
Eisen- Nickel- und Kobalthaltiger Guß	180-300 220-300 220-300			40-100	70-120-140	20-40 20-40 10-20	
Titan-Legierungen	300-400				40-80		

Materialien K	HB	Beschaffenheit	Schnittgeschwindigkeit M/Min.				
			TIN25	TIN21	TIN28	KM15	PM25
			0.4-0.2-0.1	0.3-0.2-0.1	0.4-0.2-0.1	0.2-0.1	0.4-0.2-0.1
Vergüteter Stahl	HCR 50-65						15-20-30
Rostfreier Stahlguß	250	Manganstahl 12-14% Mn				12-18-20	
Temperguß	110-145 200-230	Kurzspanend Langspanend		200-300 150-200	180-330	65-80-95 50-65-80	100-125-150 90-115-135
Grauguß	180 260	Niedrige Zugfestigkeit Hohe Zugfestigkeit		200-400 150-350	130-240 110-200	70-95-120 50-70-90	85-120-155 70-90-115
Kugelgraphitguß	160 250	Ferritisch Perlitisch	100-130 90-110	100-250 100-180	70-140 60-120	50-65-80 45-60-70	70-90-115 65-80-100
Kokillenhartguß	HCR 40-60						
Aluminium-Legierungen	60-100 75-110	Nicht gegossen Gegossen				500-2100 400-2000	
Aluminium mit hohem Siilizium (Si)-Gehalt		10-14% Si 14-16% Si 16-18% Si				200-1000 110-200	

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