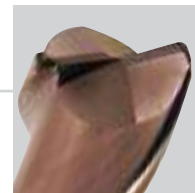


## Fresa testa torica in metallo duro integrale

### Solid carbide corner radius end mill

VHM - Torusfräser - Fraise carbure avec rayon d'angle

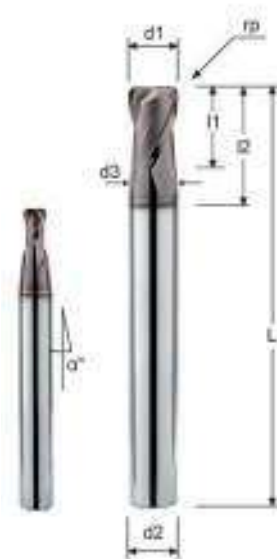
Фреза концевая твердосплавная с угловым радиусом - Sk fréza s rohovým rádiusem



CODE	*d1 mm	d2h6 mm	rp mm	l1 mm	l2 mm	L mm	d3 mm	Z no.	α°
Y200R.010.02	1	6	0.2	1.5	-	75	-	2	13°30'
Y200R.015.02	1.5	6	0.2	2.5	-	75	-	2	15°
Y200R.020.03	2	6	0.3	3.0	-	75	-	2	13°30'
Y200R.030.03	3	6	0.3	5.0	-	75	-	2	10°30'
Y200R.040.05	4	6	0.5	6.0	-	75	-	2	6°
Y200R.040.1	4	6	1.0	6.0	-	75	-	2	6°
Y200R.060.05	6	6	0.5	10.0	20	100	5.8	2	-
Y200R.060.1	6	6	1.0	10.0	20	100	5.8	2	-
Y200R.080.05	8	8	0.5	12.0	24	100	7.8	2	-
Y200R.080.1	8	8	1.0	12.0	24	100	7.8	2	-
Y200R.100.05	10	10	0.5	15.0	30	100	9.8	2	-
Y200R.100.1	10	10	1.0	15.0	30	100	9.8	2	-
Y200R.100.15	10	10	1.5	15.0	30	100	9.8	2	-
Y200R.120.1	12	12	1.0	18.0	36	100	11.8	2	-
Y200R.120.15	12	12	1.5	18.0	36	100	11.8	2	-
Y200R.120.2	12	12	2.0	18.0	36	100	11.8	2	-
Y200R.160.15	16	16	1.5	25.0	40	100	15.8	2	-
Y200R.160.2	16	16	2.0	25.0	40	100	15.8	2	-

→ Help 162-163-164-165

\*d1 < ø 6 = -0.01 / -0.02  
d1 ≤ ø 16 = f7



- HRC < 65
- CAST IRON
- INOX Stainless Steel
- SUB MICRO GRAIN
- Nuova CUMET NORM
- DIN 6535 Form HA
- 30°
- HSC HHC
- rp
- Z 2
- GOLD
- rp ± 0.01

## Fresa a palla 3D 260° in metallo duro integrale

### Solid carbide 3D 260° ball end mill

VHM - 3D 260° Radiusfräser - Fraise carbure 3D 260° a balle

Фреза концевая твердосплавная сферическая 3D 260° - Sk 3D 260° kulová fréza



CODE	*d1 mm	d2h6 mm	l1 mm	d3 mm	l2 mm	L mm	Z no.	α°
200RB020075	2	4	1.7	1.0	17	75	2	6°
200RB030100	3	6	2.6	1.7	17	100	2	8°
200RB030150	3	6	2.6	1.7	30	150	2	4°25'
200RB040100	4	6	3.5	2.4	17	100	2	7°
200RB040150	4	6	3.5	2.4	30	150	2	3°50'
200RB050100	5	6	4	4.3	30	100	2	1°40'
200RB060100	6	6	5.2	4.0	30	100	2	2°10'
200RB060150	6	6	5.2	4.0	45	150	2	1°20'
200RB080100	8	8	7.0	5.0	35	100	2	3°10'
200RB080150	8	8	7.0	5.0	50	150	2	1°55'
200RB100100	10	10	8.7	6.1	40	100	2	3°40'
200RB100150	10	10	8.7	6.1	60	150	2	2°10'
200RB120100	12	12	10.5	7.5	50	100	2	3°10'
200RB120150	12	12	10.5	7.5	75	150	2	1°50'

→ Help 160

\*d1 < ø 6 = -0.01 / -0.02  
d1 ≤ ø 12 = f7



- HRC < 50
- CAST IRON
- Aluminium
- NI-Alloy
- SUB MICRO GRAIN
- Nuova CUMET NORM
- DIN 6535 Form HA
- 30°
- HSC HHC
- r = 260°
- Z 2
- HYPER
- R ± 0.01

## Fresa a palla 3D 260° in metallo duro integrale

### Solid carbide 3D 260° ball end mill

VHM - 3D 260° Radiusfräser - Fraise carbure 3D 260° a balle

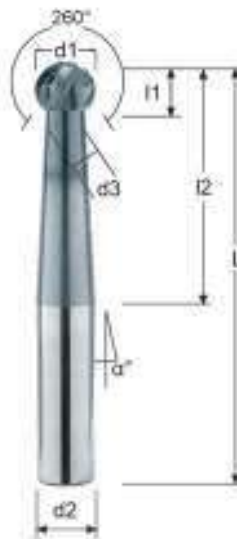
Фреза концевая твердосплавная сферическая 3D 260° - Sk 3D 260° kulová fréza



CODE	*d1 mm	d2h6 mm	l1 mm	d3 mm	l2 mm	L mm	Z no.	α°
400RB030100	3	6	2.6	1.7	17	100	4	8°
400RB040100	4	6	3.5	2.4	17	100	4	7°
400RB050100	5	6	4.0	4.3	30	100	4	1°40'
400RB060100	6	6	5.2	4.0	30	100	4	2°10'
400RB060150	6	6	5.2	4.0	45	150	4	1°20'
400RB080100	8	8	7.0	5.0	35	100	4	3°10'
400RB080150	8	8	7.0	5.0	50	150	4	1°55'
400RB100100	10	10	8.7	6.1	40	100	4	3°40'
400RB100150	10	10	8.7	6.1	60	150	4	2°10'
400RB120100	12	12	10.5	7.5	50	100	4	3°10'
400RB120150	12	12	10.5	7.5	75	150	4	1°50'

→ Help 160

\*d1 ≤ ø12 = f7



- HRC < 50
- CAST IRON
- Ni-Alloy
- SUB MICRO GRAIN
- Nuova CUMET NORM
- DIN 6535 Form HA
- 30°
- r = 260°
- HSC HHC
- r = 260°
- Z 4
- HYPER
- R ± 0.01

## Fresa testa sferica 3D Hard Cut in metallo duro integrale

### Solid carbide 3D ball nose end mill, Hard Cut

VHM - 3D Radiusfräser, Hard Cut - Fraise carbure 3D hémisphérique, Hard Cut

Фреза концевая твердосплавная полусферическая 3D для твердых материалов

Sk kulová fréza pro těžký řez



CODE	*d1 mm	d2h6 mm	l1 mm	l2 mm	L mm	d3 mm	Z no.	α°
200DRJ.01050	1	6	1	3	50	0.95	2	20°
200DRJ.02050	2	6	3	6	50	1.95	2	10°
200DRJ.02057	2	6	3	6	57	1.95	2	10°
200DRJ.02075	2	6	2	6	75	1.95	2	10°
200DRJ.03050	3	6	4	9	50	2.9	2	8°
200DRJ.03057	3	6	4	9	57	2.9	2	8°
200DRJ.03075	3	6	3	9	75	2.9	2	8°
200DRJ.04050	4	6	5	12	50	3.9	2	6°
200DRJ.04057	4	6	5	12	57	3.9	2	6°
200DRJ.04075	4	6	4	12	75	3.9	2	6°
200DRJ.05057	5	6	6	16	57	4.9	2	3°
200DRJ.05075	5	6	6	16	75	4.9	2	3°
200DRJ.06057	6	6	6	20	57	5.9	2	-
200DRJ.06075	6	6	6	20	75	5.9	2	-
200DRJ.06100	6	6	6	20	100	5.9	2	-
200DRJ.06100.1	6	8	6	12	100	5.9	2	7°
200DRJ.08060	8	8	9	16	60	7.8	2	-
200DRJ.08075	8	8	9	29	75	7.8	2	-
200DRJ.08100	8	8	9	29	100	7.8	2	-
200DRJ.08100.1	8	10	9	29	100	7.8	2	8°
200DRJ.10070	10	10	10	20	70	9.8	2	-
200DRJ.10080	10	10	10	35	80	9.8	2	-
200DRJ.10100	10	10	10	35	100	9.8	2	-
200DRJ.10100.1	10	12	10	35	100	9.8	2	8°
200DRJ.12075	12	12	12	24	75	11.8	2	-
200DRJ.12100	12	12	12	37	100	11.8	2	-

→ Help 166

\*d1 < ø 6 = -0.01 / -0.02  
d1 ≤ ø12 = f7



- HRC < 70
- CAST IRON
- SUB MICRO GRAIN
- Nuova CUMET NORM
- DIN 6535 Form HA
- 17°
- < 06 d1 -0.01 -0.02
- R ± 0.01
- HSC HHC
- Z 2
- GOLD

## Fresa testa sferica 3D rastremata extralunga in metallo duro integrale

### Solid carbide 3D ball nose end mill, extra long tapered neck

VHM-3D- Radiusfräser mit Kugelstirn, überlang - Fraise carbure 3D hémisphérique, ultra-longue

Фреза концевая твердосплавная полусферическая 3D длинная

Sk 3D kulová fréza, extra dlouhá kuželová stopka



CODE	*d1 mm	d2h6 mm	L1 mm	L2 mm	L3 mm	L mm	d3 mm	Z no.	α°
200DJ.010	1	6	2	5	35	100	0,95	2	4°44'
200DJ.015	1,5	6	3	6	35	100	1,45	2	4°56'
200DJ.020	2	6	3	7	35	100	1,95	2	5°
200DJ.030	3	6	4	10	35	100	2,9	2	5°43'
200DJ.040	4	6	5	13	35	100	3,8	2	6°29'
200DJ.050	5	6	6	16	35	100	4,8	2	7°30'
200DJ.060	6	8	6	18	35	100	5,8	2	3°22'
200DJ.080	8	10	8	24	58	109	7,8	2	1°40'
200DJ.100	10	12	10	30	58	109	9,8	2	2°
200DJ.120	12	14	12	36	58	109	11,8	2	1°

→ Help 166

\*d1 < ø 6 = -0.01 / - 0.02

d1 ≤ ø12 = f7



HRC  
< 70

CAST  
IRON

SUB  
MICRO  
GRAIN

Nuova  
CUMET  
NORM

DIN 6535  
Form HA

0°

HSC  
HHC

R  
± 0.01

Z 2

GOLD

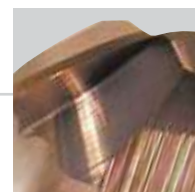
## Fresa testa sferica 3D in metallo duro integrale

### Solid carbide 3D ball nose end mill

VHM - 3D Radiusfräser - Fraise carbure 3D hémisphérique

Фреза концевая твердосплавная полусферическая 3D, для твердых материалов

Sk 3D kulová fréza



CODE	*d1 mm	d2h6 mm	l1 mm	l2 mm	L mm	Z no.	α°
200SRJ.0105054	1	4	1.5	15	50	2	6°
200SRJ.0105056	1	6	1.5	15	50	2	10°52'
200SRJ.0155054	1.5	4	2.5	15	50	2	4°45'
200SRJ.0155056	1.5	6	2.5	15	50	2	9°49'
200SRJ.0207554	2	4	3	15	75	2	5°
200SRJ.0205056	2	6	3	15	50	2	10°
200SRJ.02550	2.5	6	3	15	50	2	9°
200SRJ.03075	3	6	4.5	20	75	2	5°30'
200SRJ.04075	4	6	6	20	75	2	4°
200SRJ.05075	5	6	7.5	20	75	2	2°
200SRJ.06050	6	6	9	-	50	2	-
200SRJ.06100	6	6	9	-	100	2	-
200SRJ.08100	8	8	12	-	100	2	-
200SRJ.10100	10	10	15	-	100	2	-
200SRJ.10150	10	10	15	-	150	2	-
200SRJ.12100	12	12	18	-	100	2	-
200SRJ.12150	12	12	18	-	150	2	-
200SRJ.16100	16	16	24	-	100	2	-

→ Help 167

\*d1 < ø 6 = -0.01 / - 0.02

d1 ≤ ø20 = f7



HRC  
< 55

CAST  
IRON

MICRO  
GRAIN

Nuova  
CUMET  
NORM

DIN 6535  
Form HA

30°

HSC  
HHC

R  
± 0.01

Z 2

GOLD

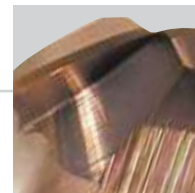
## Fresa testa sferica rastremata extralunga in metallo duro integrale

### Solid carbide 3D ball nose end mill, extra long tapered neck

VHM-3D- Radiusfräser mit Kugelstirn, überlang - Fraise carbure 3D hémisphérique, ultra-longue

Фреза концевая твердосплавная полусферическая 3D длинная

Sk 3D kulová fréza extra dlouhá kuželová stopka



CODE	*d1 mm	d2h6 mm	l1 mm	l2 mm	L mm	Z no.	α°
200SRJL.02150	2	6	3	60	150	2	2°
200SRJL.03150	3	6	4.5	60	150	2	1°30'
200SRJL.04150	4	6	6	60	150	2	1°
200SRJL.04150.1	4	8	20	80	150	2	1°56'
200SRJL.05150	5	6	7.5	60	150	2	0°30'
200SRJL.05150.1	5	6	20	80	150	2	0°30'
200SRJL.06150	6	8	9	80	150	2	0°45'
200SRJL.06150.1	6	8	20	60	150	2	1°
200SRJL.08150	8	10	12	60	150	2	1°

→ Help 167

\*d1 < ø 6 = -0.01 / - 0.02  
d1 ≤ ø 8 = f7



HRC < 55  
CAST IRON

MICRO GRAIN  
Nuova CUMET NORM  
DIN 6535 Form HA

30°  
HSC HHC

GOLD

Z 2

R ± 0.01

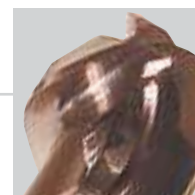
## Fresa testa sferica 3D rastremata extralunga in metallo duro integrale

### Solid carbide 3D ball nose end mill, extra long tapered neck

VHM-3D- Radiusfräser mit Kugelstirn, überlang - Fraise carbure 3D hémisphérique, ultra-longue

Фреза концевая твердосплавная полусферическая 3D, длинная

Sk 3D kulová fréza extra dlouhá kuželová stopka



CODE	*d1 mm	d2h6 mm	l1 mm	l2 mm	L mm	Z no.	α°
400SRJ.040150	4	6	6	60	150	4	1°
400SRJ.040150.1	4	8	20	60	150	4	1°30'
400SRJ.060150	6	8	9	80	150	4	0°45'
400SRJ.060150.1	6	8	20	60	150	4	1°30'
400SRJ.080150	8	10	12	60	150	4	1°
400SRJ.100150	10	10	15	-	150	4	-
400SRJ.120150	12	12	18	-	150	4	-

→ Help 167

\*d1 < ø 6 = -0.01 / - 0.02  
d1 ≤ ø 12 = f7



HRC < 55  
CAST IRON  
INOX Stainless Steel

MICRO GRAIN  
Nuova CUMET NORM  
DIN 6535 Form HA

30°  
HSC HHC

GOLD

Z 4

R ± 0.01

## Fresa testa torica in metallo duro integrale

### Solid carbide corner radius end mill

VHM - Torusfräser - Fraise carbure avec rayon d'angle

Фреза концевая твердосплавная с угловым радиусом - Sk fréza s rohovým rádiusem

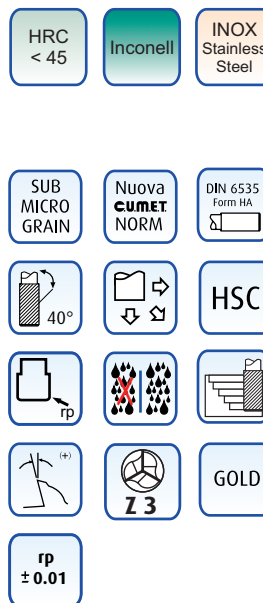


CODE	*d1 mm	d2h6 mm	rp mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y300R.030.03	3	6	0.3	4.5	7	75	2.9	3
Y300R.040.04	4	6	0.4	6	9	75	3.9	3
Y300R.060.05	6	6	0.5	9	13	100	5.8	3
Y300R.060.1	6	6	1.0	9	13	100	5.8	3
Y300R.080.05	8	8	0.5	12	18	100	7.7	3
Y300R.080.1	8	8	1.0	12	18	100	7.7	3
Y300R.100.05	10	10	0.5	15	25	100	9.7	3
Y300R.100.1	10	10	1.0	15	25	100	9.7	3
Y300R.120.05	12	12	0.5	18	30	100	11.7	3
Y300R.120.1	12	12	1.0	18	30	100	11.7	3

→ Help 169-170

\*d1 < ø 6 = -0.01 / - 0.02

d1 ≤ ø12 = f7



## Fresa testa sferica 3D Hard Cut in metallo duro integrale

### Solid carbide 3D ball nose end mill, Hard Cut

VHM - 3D Radiusfräser, Hard Cut - Fraise carbure 3D hémisphérique, Hard Cut

Фреза концевая твердосплавная полусферическая 3D для твердых материалов

Sk 3D kulová fréza pro těžký řez

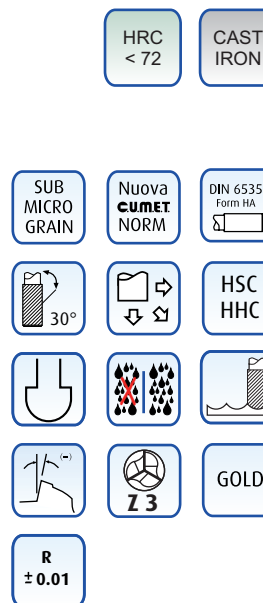


CODE	*d1 mm	d2h6 mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
300NRJ.030	3	6	4.5	7.5	75	2.9	3
300NRJ.040	4	6	6	9	75	3.9	3
300NRJ.050	5	6	7	10	75	4.9	3
300NRJ.060	6	6	9	15	100	5.9	3
300NRJ.080	8	8	12	20	100	7.8	3
300NRJ.100	10	10	15	25	100	9.8	3
300NRJ.120	12	12	18	25	100	11.8	3

→ Help 168

\*d1 < ø 6 = -0.01 / - 0.02

d1 ≤ ø12 = f7

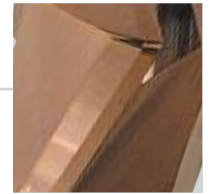


## Fresa ad Alto avanzamento in metallo duro integrale

### Solid carbide High speed end mill

VHM - Torusfräser High feed - Fraise carbure avec rayon d'angle pour haute avancement

Фреза твердосплавная концевая для высокоскоростной обработки - Sk vysoko rychlostní fréza



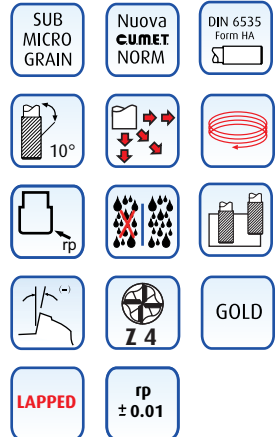
CODE	*d1 mm	d2h6 mm	rp mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y303.030.02	3	6	0.2	4	9	57	2.95	4
Y303.030.05	3	6	0.5	4	9	57	2.95	4
Y303.040.05	4	6	0.5	5	12	57	3.95	4
Y303.040.1	4	6	1	5	12	57	3.95	4
Y303.060.05	6	6	0.5	6	18	57	5.8	4
Y303.060.1	6	6	1	6	18	57	5.8	4
Y303.060.15	6	6	1.5	6	18	57	5.8	4
Y303.080.05	8	8	0.5	8	24	75	7.8	4
Y303.080.1	8	8	1	8	24	75	7.8	4
Y303.080.15	8	8	1.5	8	24	75	7.8	4
Y303.100.05	10	10	0.5	10	30	80	9.8	4
Y303.100.1	10	10	1	10	30	80	9.8	4
Y303.100.15	10	10	1.5	10	30	80	9.8	4
Y303.100.2	10	10	2	10	30	80	9.8	4
Y303.120.05	12	12	0.5	12	36	100	11.8	4
Y303.120.1	12	12	1	12	36	100	11.8	4
Y303.120.15	12	12	1.5	12	36	100	11.8	4
Y303.120.2	12	12	2	12	36	100	11.8	4

→ Help 177

\*d1 < ø 6 = h9  
d1 ≤ ø 12 = f7



HRC  
< 70

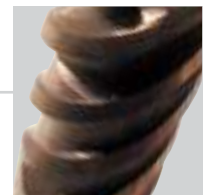


## Fresa per lavorazioni estreme in metallo duro integrale

### Solid carbide extreme milling end mill

VHM-Fräser für extremerspannung - Fraise carbure pour fraisages extrême

Фреза концевая твердосплавная для тяжелого фрезерования - Sk fréza pro etrémní frézování



CODE	*d1 mm	d2h6 mm	rp mm	l1 mm	L mm	Z no.	α°
406.02057	2	6	-	4	57	3	15°
406.025057	2.5	6	-	5	57	3	15°
406.03057	3	6	-	8	57	4	15°
406.035057	3.5	6	-	7	57	4	15°
406.04057	4	6	-	12	57	4	15°
406.045057	4.5	6	-	9	57	4	15°
406.05057	5	6	-	15	57	4	15°
406.06057	6	6	-	18	57	4	-
406.06075	6	6	-	18	75	4	-
406.08063	8	8	-	16	63	4	-
406.08075	8	8	-	20	75	4	-
406.08100	8	8	-	24	100	4	-
406.09072	9	10	-	18	72	4	15°
406.10080	10	10	-	25	80	4	-
406.10100	10	10	-	30	100	4	-
406.12083	12	12	-	24	83	4	-
406.12100	12	12	-	30	100	4	-
406.12120	12	12	-	40	120	4	-
406.16092	16	16	-	32	92	4	-
406.16140	16	16	-	48	140	4	-
406.20100	20	20	-	40	100	4	-
406.20150	20	20	-	60	150	4	-

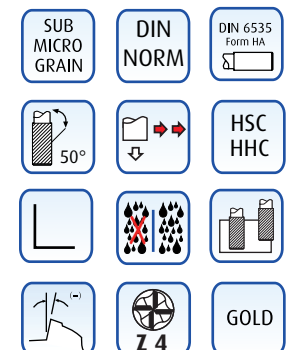
→ Help 175-176

\*d1 < ø 6 = h9  
d1 ≤ ø 20 = f7



HRC  
< 70

INOX  
Stainless  
Steel



# Fresa testa torica per lavorazioni estreme in metallo duro integrale

## Solid carbide extreme milling corner radius end mill

VHM-Eckenradius fraser für extremerspannung - Fraise carbure avec rayon pour fraisages extrême  
 Фреза концевая твердосплавная с угловым радиусом для тяжелого фрезерования  
 Sk fréza pro extrémní frézování



CODE	*d1 mm	d2h6 mm	rp mm	l1 mm	L mm	Z no.	α°
Y406.03057.02	3	6	0.2	8	57	4	15°
Y406.04057.02	4	6	0.2	12	57	4	15°
Y406.05057.02	5	6	0.2	15	57	4	15°
Y406.06057.02	6	6	0.2	18	57	4	-
Y406.06057.03	6	6	0.3	18	57	4	-
Y406.06057.05	6	6	0.5	18	57	4	-
Y406.06057.1	6	6	1.0	18	57	4	-
Y406.06075.02	6	6	0.2	18	75	4	-
Y406.06075.05	6	6	0.5	18	75	4	-
Y406.06075.1	6	6	1.0	18	75	4	-
Y406.08075.02	8	8	0.2	20	75	4	-
Y406.08075.05	8	8	0.5	20	75	4	-
Y406.08075.1	8	8	1.0	20	75	4	-
Y406.08100.02	8	8	0.2	24	100	4	-
Y406.08100.05	8	8	0.5	24	100	4	-
Y406.08100.1	8	8	1.0	24	100	4	-
Y406.10072.05	10	10	0.5	20	72	4	-
Y406.10080.02	10	10	0.2	25	80	4	-
Y406.10080.05	10	10	0.5	25	80	4	-
Y406.10080.1	10	10	1	25	80	4	-
Y406.10100.02	10	10	0.2	30	100	4	-
Y406.10100.05	10	10	0.5	30	100	4	-
Y406.10100.1	10	10	1	30	100	4	-
Y406.12100.05	12	12	0.5	30	100	4	-
Y406.12100.1	12	12	1	30	100	4	-
Y406.16100.05	16	16	0.5	40	100	4	-
Y406.16100.1	16	16	1	40	100	4	-
Y406.16140.1	16	16	1	60	140	4	-
Y406.20100.05	20	20	0.5	40	100	4	-
Y406.20100.1	20	20	1	40	100	4	-
Y406.20150.1	20	20	1	60	150	4	-

→ Help 175-176

\*d1 ≤ ø 6 h9  
 d1 ≤ ø20 f7

HRC < 70  
 INOX  
 Stainless  
 Steel



- SUB  
MICRO  
GRAIN
- DIN  
NORM
- DIN 6535  
Form HA
- 50°
- HSC  
HHC
- rp
- Z 4
- GOLD
- rp  
± 0.01

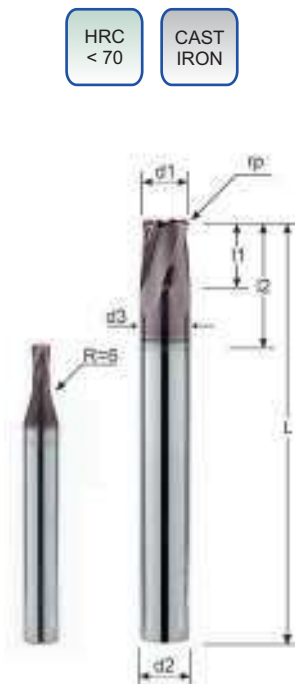
# Fresa testa torica in metallo duro integrale Hard Cut

## Solid carbide corner radius end mill Hard Cut

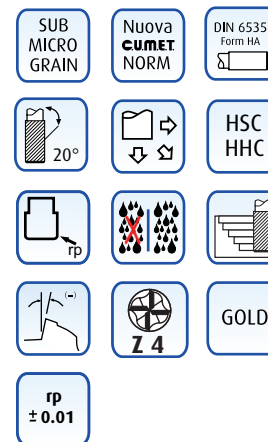
VHM-Gesenkräfer mit Eckenradius Hard Cut - Fraise carbure avec rayon d'angle Hard Cut  
Фреза концевая твердосплавная с угловым радиусом для тяжелого фрезерования  
Sk fréza s rohovým rádiusem pro těžký řez



CODE	*d1 mm	d2h6 mm	rp mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y400RS.02057.02	2	6	0.2	3	6	57	1.95	4
Y400RS.02057.05	2	6	0.5	3	6	57	1.95	4
Y400RS.02075.02	2	6	0.2	3	6	75	1.95	4
Y400RS.02075.05	2	6	0.5	3	6	75	1.95	4
Y400RS.03057.02	3	6	0.2	4	9	57	2.95	4
Y400RS.03057.05	3	6	0.5	4	9	57	2.95	4
Y400RS.03075.03	3	6	0.3	4	9	75	2.95	4
Y400RS.03075.1	3	6	1	4	9	75	2.95	4
Y400RS.04057.02	4	6	0.2	5	12	57	3.9	4
Y400RS.04057.05	4	6	0.5	5	12	57	3.9	4
Y400RS.04075.05	4	6	0.5	5	12	75	3.9	4
Y400RS.04075.1	4	6	1	5	12	75	3.9	4
Y400RS.05057.05	5	6	0.5	6	16	57	4.9	4
Y400RS.05057.1	5	6	1	6	16	57	4.9	4
Y400RS.05075.05	5	6	0.5	6	16	75	4.9	4
Y400RS.05075.1	5	6	1	6	16	75	4.9	4
Y400RS.06057.05	6	6	0.5	7	20	57	5.8	4
Y400RS.06057.1	6	6	1	7	20	57	5.8	4
Y400RS.06057.15	6	6	1.5	7	20	57	5.8	4
Y400RS.06075.05	6	6	0.5	7	20	75	5.8	4
Y400RS.06075.1	6	6	1	7	20	75	5.8	4
Y400RS.06075.15	6	6	1.5	7	20	75	5.8	4
Y400RS.06100.05	6	6	0.5	7	20	100	5.8	4
Y400RS.06100.1	6	6	1	7	20	100	5.8	4
Y400RS.06100.15	6	6	1.5	7	20	100	5.8	4
Y400RS.08075.03	8	8	0.3	10	29	75	7.8	4
Y400RS.08075.05	8	8	0.5	10	29	75	7.8	4
Y400RS.08075.1	8	8	1	10	29	75	7.8	4
Y400RS.08075.15	8	8	1.5	10	29	75	7.8	4
Y400RS.08075.2	8	8	2	10	29	75	7.8	4
Y400RS.08100.05	8	8	0.5	10	29	100	7.8	4
Y400RS.08100.1	8	8	1	10	29	100	7.8	4
Y400RS.08100.15	8	8	1.5	10	29	100	7.8	4
Y400RS.08100.2	8	8	2	10	29	100	7.8	4
Y400RS.10080.05	10	10	0.5	11	35	80	9.8	4
Y400RS.10080.1	10	10	1	11	35	80	9.8	4
Y400RS.10080.15	10	10	1.5	11	35	80	9.8	4
Y400RS.10100.05	10	10	0.5	11	35	100	9.8	4
Y400RS.10100.1	10	10	1	11	35	100	9.8	4
Y400RS.10100.15	10	10	1.5	11	35	100	9.8	4
Y400RS.10100.2	10	10	2	11	35	100	9.8	4
Y400RS.12100.05	12	12	0.5	15	37	100	11.8	4
Y400RS.12100.1	12	12	1	15	37	100	11.8	4
Y400RS.12100.15	12	12	1.5	15	37	100	11.8	4
Y400RS.12100.2	12	12	2	15	37	100	11.8	4



HRC < 70  
CAST IRON



\*d1 ≤ ø 6 h9  
d1 ≤ ø20 f7

→ Help 174



## Fresa testa torica per alto avanzamento in metallo duro integrale

### Solid carbide milling corner radius high feed end mill

VHM-Ekenradius fräser für high feed - Fraise carbure avec rayon pour haute avancement  
Фреза концевая твердосплавная с угловым радиусом для тяжелого фрезерования  
Sk fréza s rohovým rádiusem pro extrémní frézování



CODE	*d1 mm	d2h6 mm	rp mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y400D.02060.03	2	6	0.3	0.8	5	57	1.8	4
Y400D.02060.05	2	6	0.5	0.8	5	57	1.8	4
Y400D.03060.05	3	6	0.5	1.2	6	57	2.7	4
Y400D.03060.075	3	6	0.75	1.2	6	57	2.7	4
Y400D.03060.1	3	6	1	1.2	6	57	2.7	4
Y400D.04075.05	4	6	0.5	1.6	9	75	3.6	4
Y400D.04075.1	4	6	1	1.6	9	75	3.6	4
Y400D.05075.05	5	6	0.5	2	12	75	4.6	4
Y400D.05075.1	5	6	1	2	12	75	4.6	4
Y400D.05075.12	5	6	1.2	2	12	75	4.6	4
Y400D.06100.05	6	6	0.5	2.5	13	100	5.4	4
Y400D.06100.1	6	6	1	2.5	13	100	5.4	4
Y400D.06100.15	6	6	1.5	2.5	13	100	5.4	4
Y400D.08100.05	8	8	0.5	3.5	16	100	7.2	4
Y400D.08100.1	8	8	1	3.5	16	100	7.2	4
Y400D.08100.15	8	8	1.5	3.5	16	100	7.2	4
Y400D.08100.2	8	8	2	3.5	16	100	7.2	4
Y400D.10100.05	10	10	0.5	4	20	100	9	4
Y400D.10100.1	10	10	1	4	20	100	9	4
Y400D.10100.15	10	10	1.5	4	20	100	9	4
Y400D.10100.2	10	10	2	4	20	100	9	4
Y400D.12100.05	12	12	0.5	5	25	100	11	4
Y400D.12100.1	12	12	1	5	25	100	11	4
Y400D.12100.15	12	12	1.5	5	25	100	11	4
Y400D.12100.2	12	12	2	5	25	100	11	4
Y400D.16100.05	16	16	0.5	7	32	100	15	4
Y400D.16100.1	16	16	1	7	32	100	15	4
Y400D.16100.15	16	16	1.5	7	32	100	15	4
Y400D.16100.2	16	16	2	7	32	100	15	4
Y400D.16100.3	16	16	3	7	32	100	15	4

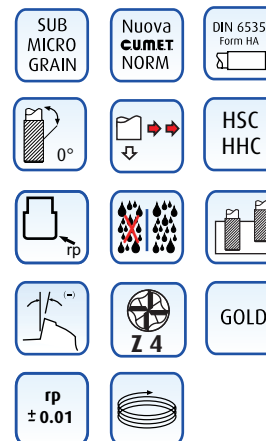
\*d1 ≤ ø 6 h9  
d1 ≤ ø16 f7

→ Help 177

HRC  
< 65

CAST  
IRON

ALLOY  
STEEL

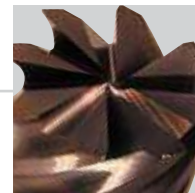


## Fresa testa piana per superfinitura in metallo duro integrale

### Solid carbide flat nose end mill for superfinish

VHM - Schaftfräser für superfinition - Fraise carbure pour superfinition

Фреза концевая твердосплавная для чистовой обработки - Sk rohová fréza pro super dokončování

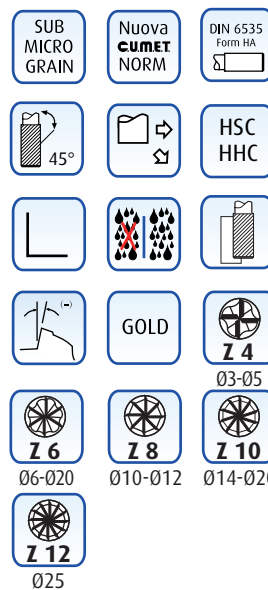


CODE	*d1 mm	d2h6 mm	l1 mm	L mm	Z no.
506.030	3	3	10	40	4
506.030.1	3	6	10	57	4
50603060	3	3	30	60	4
506.040	4	4	12	50	4
506.040.1	4	6	12	57	4
50604060	4	4	30	60	4
506.050	5	5	12	50	4
506.050.1	5	6	15	57	4
50605070	5	5	35	70	4
506.060	6	6	16	50	6
506.060.1	6	6	25	75	6
50606100	6	6	40	100	6
506.080	8	8	20	60	6
506.080.1	8	8	24	75	6
50608100	8	8	40	100	6
506.100.1	10	10	25	75	6
50610100.1	10	10	45	100	6
506.120.1	12	12	27	83	6
50612100.1	12	12	55	109	6
50616100.1	16	16	45	100	6
50616150.1	16	16	65	150	6
50620100	20	20	45	100	6
50620150.2	20	20	75	150	6

CODE	*d1 mm	d2h6 mm	l1 mm	L mm	Z no.
506.100	10	10	22	70	8
50610100	10	10	45	100	8
506.120	12	12	27	75	8
50612100	12	12	45	100	8
506.140	14	14	27	85	10
50614100	14	14	45	100	10
506.160	16	16	30	85	10
50616100	16	16	45	100	10
50616150	16	16	65	150	10
506.180	18	18	38	100	10
506.200	20	20	38	100	10
50620150	20	20	65	150	10
50620150.1	20	20	75	150	10
50625150	25	25	75	150	12

→ Help 173-184

\*d1 ≤ ø 6 h9  
d1 ≤ ø25 f7



In questa sezione viene utilizzato esclusivamente Metallo duro Sub Micrograno al 9-12% Co, 0,5 Micron, specifico per lavorazione a secco ad alta velocità degli acciai temperati.

On this section we use only solid carbide grade with 9-12% Co, 0.5 Microns, specifically designed for high speed machining of hardened steels. Dry cutting.

Dieser Abschnitt ist ausschließlich Sub Micro Grain Hartmetall 9-12% Co, 0,5 Micron, die speziell für High-Speed-trockenen Bearbeitung von gehärteten Stählen verwendet.

Cette section utilise seulement carbure Sub Micrograin avec 9-12 % Co, 0,5 Micron, convenant sec coupe, haute vitesse des aciers trempés.

Твердый сплав 9-12% Co, 0,5 микрон, специальная разработка для высокоскоростной обработки закаленной стали. Сухая резка.

V této části budeme používat pouze slinutý karbid s 9-12% CO, 0,5 mikronů, speciálně navržen pro vysokorychlostní obrábění kalené oceli. Bez chlazení.

# Fresa testa torica Hard Cut in metallo duro integrale

## Solid carbide corner radius end mill, Hard Cut

VHM - Schaftfräser mit Eckenradius, Hard Cut - Fraise carbure avec rayon d'angle, Hard Cut

Фреза концевая твердосплавная с угловым радиусом для труднообрабатываемых материалов  
Sk fréza s rohovým rádiusem pro těžký řez



CODE	*d1 mm	d2h6 mm	rp mm	l1 mm	l2 mm	L mm	d3 mm	Z no.
Y508.06057.02	6	6	0.2	7	20	57	5.8	6
Y508.06057.05	6	6	0.5	7	20	57	5.8	6
Y508.062057.05	6	6	0.5	20	-	57	-	6
Y508.06057.1	6	6	1	7	20	57	5.8	6
Y508.06075.02	6	6	0.2	7	20	75	5.8	6
Y508.06075.05	6	6	0.5	7	20	75	5.8	6
Y508.062575.05	6	6	0.5	25	-	75	-	6
Y508.06075.1	6	6	1	7	20	75	5.8	6
Y508.06100.02	6	6	0.2	7	20	100	5.8	6
Y508.06100.05	6	6	0.5	7	20	100	5.8	6
Y508.08075.02	8	8	0.2	9	29	75	7.8	6
Y508.08075.05	8	8	0.5	9	29	75	7.8	6
Y508.082575.05	8	8	0.5	25	-	75	-	6
Y508.08075.1	8	8	1	9	29	75	7.8	6
Y508.08100.02	8	8	0.2	8	29	100	7.8	6
Y508.08100.05	8	8	0.5	8	29	100	7.8	6
Y508.0840100.05	8	8	0.5	40	-	100	-	6
Y508.08100.1	8	8	1	8	29	100	7.8	6
Y508.10080.02	10	10	0.2	11	35	80	9.8	6
Y508.10080.05	10	10	0.5	11	35	80	9.8	6
Y508.103280.05	10	10	0.5	32	-	80	-	6
Y508.10080.1	10	10	1	11	35	80	9.8	6
Y508.10100.02	10	10	0.2	10	35	100	9.8	6
Y508.10100.05	10	10	0.5	10	35	100	9.8	6
Y508.1050100.05	10	10	0.5	50	-	100	-	6
Y508.10100.1	10	10	1	10	35	100	9.8	6
Y508.12100.02	12	12	0.2	13	37	100	11.7	6
Y508.12100.05	12	12	0.5	13	37	100	11.7	6
Y508.12100.1	12	12	1	13	37	100	11.7	6
Y508.1250109.05	12	12	0.5	50	-	109	-	8
Y508.1260109.05	12	12	0.5	60	-	109	-	8
Y508.16100.05	16	16	0.5	16	37	100	15.7	6
Y508.16100.1	16	16	1	16	37	100	15.7	6
Y508.1650100.05	16	16	0.5	50	-	100	-	10
Y508.1675150.05	16	16	0.5	75	-	150	-	10
Y508.20100.05	20	20	0.5	20	40	100	19.7	6
Y508.20100.1	20	20	1	20	40	100	19.7	6
Y508.2063109.05	20	20	0.5	63	-	109	-	8
Y508.20100150.05	20	20	0.5	100	-	150	-	8

\*d1 ≤ ø 6 h9  
d1 ≤ ø25 f7

→ Help 184

HRC < 72  
CAST IRON



- SUB MICRO GRAIN
- Nuova **CUMET** NORM
- DIN 6535 Form HA
- 55°
- HSC HHC
- rp
- GOLD
- Z 6 06-020
- Z 8 012
- Z 10 016
- Z 12 020
- Z 15 025
- rp ± 0.01