

NEHER



Our NEHMO family

Eco-friendly face milling cutter for best efficiency

Our NEHMO family

LongLife

- ◆ further development of the NEHMO Standard
- ◆ thanks to additive manufacturing, optimized coolant direction and vibration damping
- ◆ minimum 30% more tool life as the NEHMO Standard
- ◆ particularly suitable for large batch production
- ◆ wet coolant medium



DUAL

- ◆ face milling cutter for MQL
- ◆ thanks to additive manufacturing, optimized coolant direction and vibration damping
- ◆ special tool holder necessary, due to the decentralized transfer of the aerosol
- ◆ high tool life thru the optimized direction of the aerosol and best lubrication of the cutting edge
- ◆ use in small and large batch production for machine centers with minimum quantity lubrication
- ◆ face milling cutters and tool holders are also usable for wet conditions without restrictions

Your benefits

Firmly soldered cutting edges

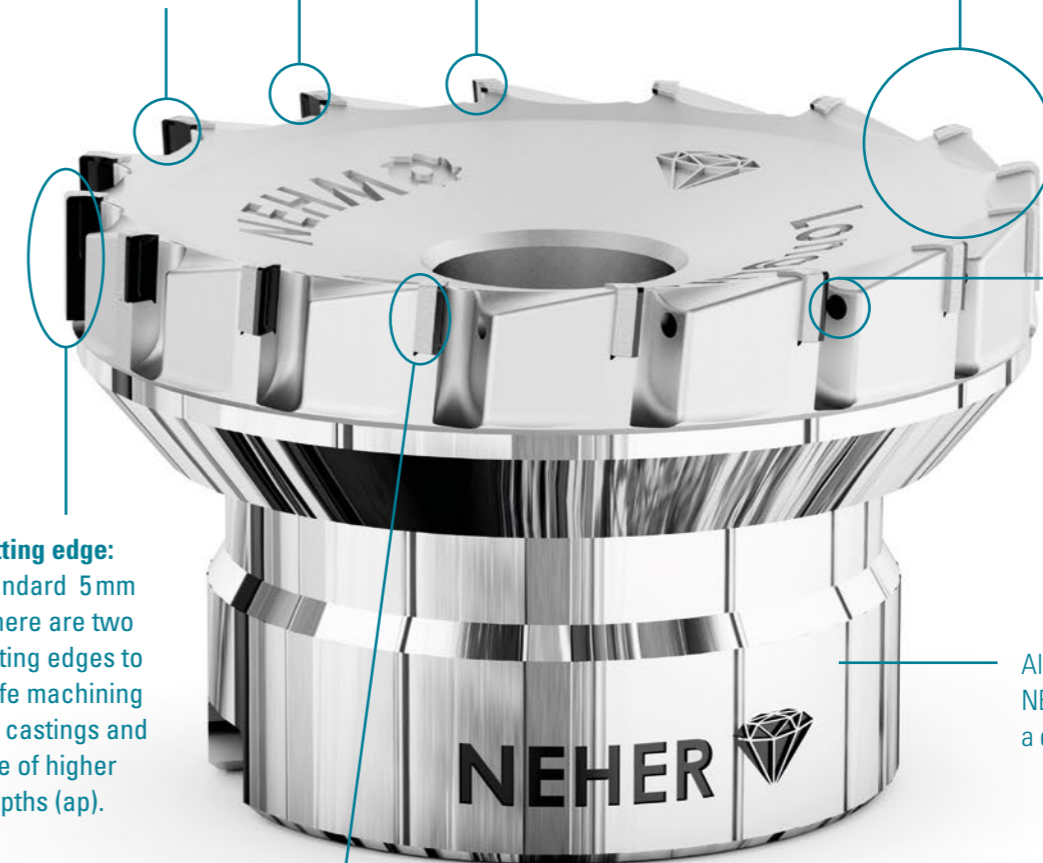
- make **manual setting** by specialized staff **dispensable**, thus reducing tool changing times to a minimum.
- provide for **consistency of the total height and diameter**, since the tools are re-assembled after the end of the service life.
- maintain the axial run-out constantly below 0.005 mm, thus ensuring a **high surface quality**.



optional: **3D-lasered chirk breakers** in high quality for high quality surface finish

The NEHMO face milling cutter is available in **various cutting edge geometries**.

In NEHER milling cutters, only top quality PCD types are mounted, in order to ensure **long service lives and a high component quality**.



The internal cooling lubricant feed that is provided directly to the cutting edge guarantees **long service lives**.

Safety cutting edge: On the standard 5mm version there are two safety cutting edges to ensure safe machining of uneven castings and in the case of higher cutting depths (ap).

All tools designed by NEHER are balanced with a **quality of Q2.5**.

Length of the Cutting edge: Standard 5mm / 10mm

With our standard range of milling cutters, we guarantee **short delivery times**. Warehousing and the associated capital lockup at the customer's site can therefore be avoided.

The new NEHMO face milling cutter – even more efficient!

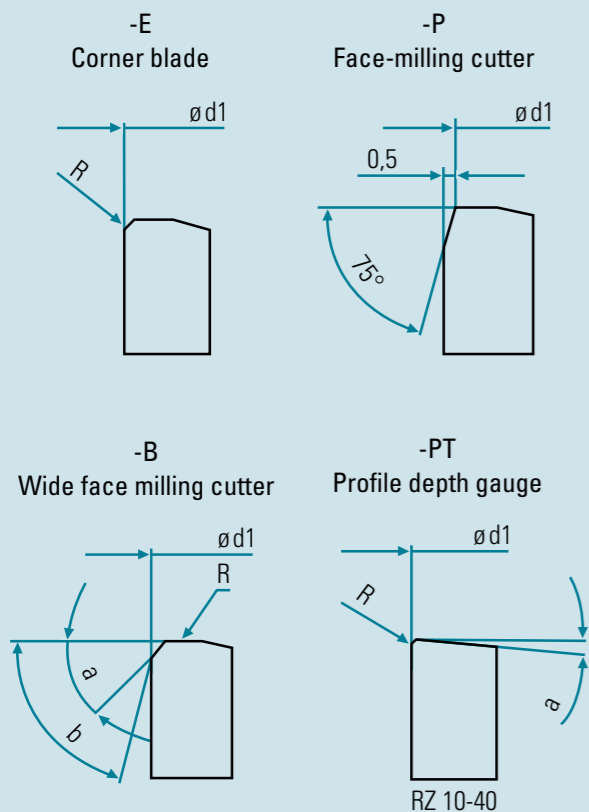
The monoblock version of the face milling cutter was developed years ago by NEHER. Since then, the milling cutter has proven itself in countless applications and on a wide variety of materials.

The NEHMO face milling cutter has further developed in the last few months in order to provide NEHER GROUP customers with even greater performance and efficiency. During the process, particular attention was paid to the milling cutter's cooling and stability. The optimized coolant channels transport the coolant directly to the cutting edge. This causes shock-induced brittleness in the hot chips which improves chip break. Simultaneously the rigidity of the milling cutter

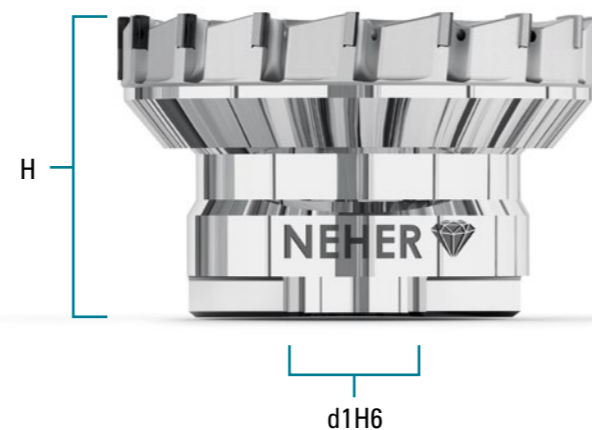
has been increased. In this way, vibration, even in demanding milling applications, can be kept low which has a direct, positive effect on the lifetime and quality of the component surface.

The proven NEHMO geometry which as usual is manufactured with the highest NEHER precision further guarantees high levels of dimensional accuracy and optimal milling results. The standard $\varnothing 100$ NEHMO face milling cutter has 9 PCD cutting edges. For HSC milling applications, however, it can also be fitted with up to 20 cutting edges. Naturally, the milling cutter is also available in a wide range of other sizes.

Cutting edge geometry



► Specify the cutting edge geometry with your order.
Standard: Corner blade (- E)



Roughing- finishing- milling cutter

For special applications with a hard cast skin, scale layer and surface contamination, e.g. from blasting sand.

NEHMO LongLife

\varnothing	Standard	HSC	d1H6	H
32	Z6	Z10	16	40
40	Z6	Z10	16	40
40	Z6	Z10	22	40
50	Z6	Z12	22	40
63	Z6	Z14	22	40
80	Z7	Z16	27	50
100	Z9	Z20	32	55
125	Z12	Z22	40	60

NEHMO DUAL

\varnothing	Standard	HSC	d1H6	H
50	Z6	Z12	22	40
63	Z6	Z12	22	40
80	Z8	Z16	27	50
100	Z8	Z20	32	55

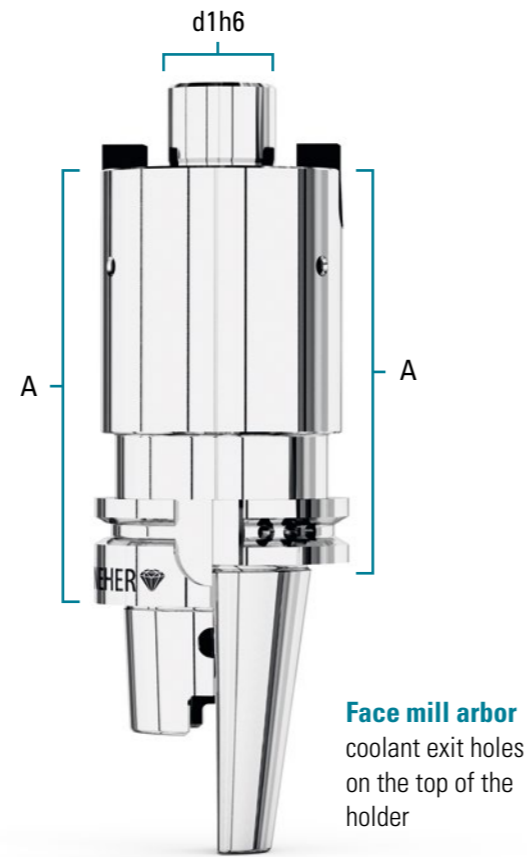
Roughing- finishing- milling cutter

\varnothing	Zähnezahl	d1H6	Aufnahme	H
50	5 + 5		HSK63-A	100
63	6 + 6	$\varnothing 22H6$		45
63	6 + 6		HSK63-A	100
80	8 + 8	$\varnothing 27H6$		50
80	8 + 8		HSK63-A	100
100	10 + 10	$\varnothing 32H6$		55
100	10 + 10		HSK63-A	100
125	12 + 12	$\varnothing 40H6$		60

DELIVERY TIME ON REQUEST

Tool holder for NEHMO Standard and NEHMO LongLife

NEHER article number	machine interface	d1h6	A
NE26.00187	HSK63-A	16	50
NE26.00181	HSK63-A	22	50
NE26.00189	HSK63-A	27	60
NE26.00188	HSK63-A	32	60
NE26.00179	HSK63-A	40	60
NE26.00186	HSK63-A	16	100
NE26.00183	HSK63-A	22	100
NE26.00190	HSK63-A	27	100
NE26.00191	HSK63-A	32	100
NE26.00185	HSK63-A	40	100
NE26.00330	HSK63-A	16	120
NE26.00331	HSK63-A	22	120
NE26.00332	HSK63-A	27	120
NE26.00333	HSK63-A	32	120
NE26.00334	HSK63-A	40	120
NE26.00335	HSK63-A	16	160
NE26.00192	HSK63-A	22	160
NE26.00194	HSK63-A	27	160
NE26.00336	HSK63-A	32	160
NE26.00337	HSK80-A	16	100



NEHER article number	machine interface	d1h6	A
NE26.00282	HSK80-A	22	100
NE26.00283	HSK80-A	27	100
NE26.00338	HSK80-A	32	100
NE26.00339	HSK80-A	40	60
NE26.00340	HSK100-A	16	50
NE26.00276	HSK100-A	22	50
NE26.00341	HSK100-A	27	50
NE26.00342	HSK100-A	32	50

NEHER article number	machine interface	d1h6	A
NE26.00329	HSK100-A	40	60
NE26.00343	HSK100-A	16	100
NE26.00344	HSK100-A	22	100
NE26.00345	HSK100-A	27	100
NE26.00346	HSK100-A	32	100
NE26.00347	HSK100-A	40	100
NE26.00348	HSK100-A	16	130
NE26.00349	HSK100-A	16	160
NE26.00350	HSK100-A	22	160
NE26.00351	HSK100-A	27	160
NE26.00184	HSK100-A	32	160
NE26.00352	HSK100-A	40	160
NE26.00182	HSK100-A	27	200
NE26.00363	BT30	16	35
NE26.00196	BT30	22	35
NE26.00364	BT30	27	35
NE26.00365	BT40	16	35
NE26.00366	BT40	22	35
NE26.00367	BT40	27	35
NE26.00368	BT40	32	65
NE26.00369	BT40	40	70
NE26.00370	BT40	22	100
NE26.00371	BT40	27	100

NEHER article number	machine interface	d1h6	A
NE26.00379	BT50	16	55
NE26.00372	BT50	22	55
NE26.00373	BT50	27	55
NE26.00374	BT50	32	55
NE26.00375	BT50	40	55
NE26.00380	BT50	16	100
NE26.00376	BT50	22	100
NE26.00377	BT50	27	100
NE26.00378	BT50	32	100
NE26.00381	BT50	40	100
NE26.00419	SK30 AD/B	16	50
NE26.00418	SK30 AD/B	22	50
NE26.00420	SK30 AD/B	27	50
NE26.00310	SK40 AD/B	16	35
NE26.00308	SK40 AD/B	22	35
NE26.00311	SK40 AD/B	27	35
NE26.00312	SK40 AD/B	32	50
NE26.00313	SK40 AD/B	40	50
NE26.00314	SK40 AD/B	16	100
NE26.00309	SK40 AD/B	22	100
NE26.00315	SK40 AD/B	27	100
NE26.00316	SK40 AD/B	32	100
NE26.00317	SK40 AD/B	22	160

NEW

Fast, easy, reliable - the NEHER interchangeable head system

Tool holder for NEHMO DUAL

NEHER article number	machine interface	d1h6	A
NE26.00318	SK40 AD/B	27	160
NE26.00319	SK40 AD/B	32	160
NE26.00320	SK50 AD/B	16	35
NE26.00321	SK50 AD/B	22	35
NE26.00288	SK50 AD/B	27	35
NE26.00322	SK50 AD/B	32	35
NE26.00323	SK50 AD/B	40	50
NE26.00324	SK50 AD/B	16	100
NE26.00325	SK50 AD/B	22	100
NE26.00326	SK50 AD/B	27	100
NE26.00327	SK50 AD/B	32	100
NE26.00328	SK50 AD/B	40	100
NE26.00353	SK50 AD/B	16	160
NE26.00354	SK50 AD/B	22	160
NE26.00355	SK50 AD/B	27	160
NE26.00356	SK50 AD/B	32	160
NE26.00357	SK50 AD/B	40	160
NE26.00358	SK50 AD/B	16	200
NE26.00359	SK50 AD/B	22	200
NE26.00360	SK50 AD/B	27	200
NE26.00361	SK50 AD/B	32	200
NE26.00362	SK50 AD/B	40	200

NEHER article number	machine interface	d1h6	A
NE04.633	HSK63-A	22	50
NE04.634	HSK63-A	22	100
NE04.637	HSK63-A	27	60
NE04.638	HSK63-A	27	100
NE04.639	HSK63-A	32	60
NE04.640	HSK63-A	32	100

DELIVERY TIME ON REQUEST

Standard interchangeable head

Fräser Ø	16	20	25	32
cutting edge length	5	5	5	5
cutting edge length	10	10	10	10
cantilever length	28	30	35	35
mounting diameter	Ø8,5h6	Ø10,5h6	Ø12,5h6	Ø17h6
mounting thread	M8	M10	M12	M16
cutting edges			Z6	Z6
Zähnezahl HSC	Z5	Z6	Z8	Z10
SW	13	16	18	27

HOLDER ON REQUEST



Interchangeable head with 20° axial rake angle

Fräser Ø	16	20	25	32
cutting edge length	11	11	11	11
cantilever length	28	30	35	35
mounting diameter	Ø8,5h6	Ø10,5h6	Ø12,5h6	Ø17h6
mounting thread	M8	M10	M12	M16
cutting edges	5	6	8	10
SW	13	16	18	27

HOLDER ON REQUEST



DELIVERY TIME ON REQUEST

Order form

NEHMO LongLife

Ø	cutting edge length	cutting edges	quantity	cutting edge geometry



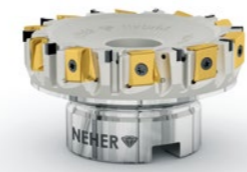
NEHMO DUAL

Ø	cutting edge length	cutting edges	quantity	cutting edge geometry



Roughing- finishing- milling cutter

Ø	cutting edges	quantity



Standard interchangeable head

Ø	cutting edge length	cutting edges	quantity	cutting edge geometry



Interchangeable head with 20° axial rake angle

Ø	cutting edge length	cutting edges	quantity	cutting edge geometry



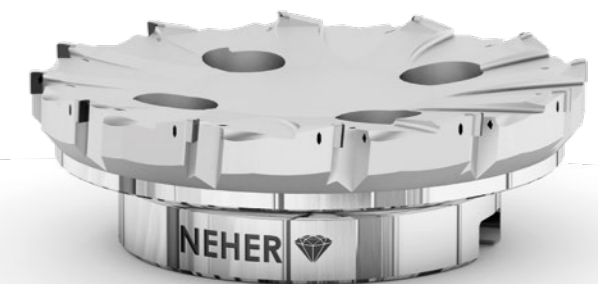
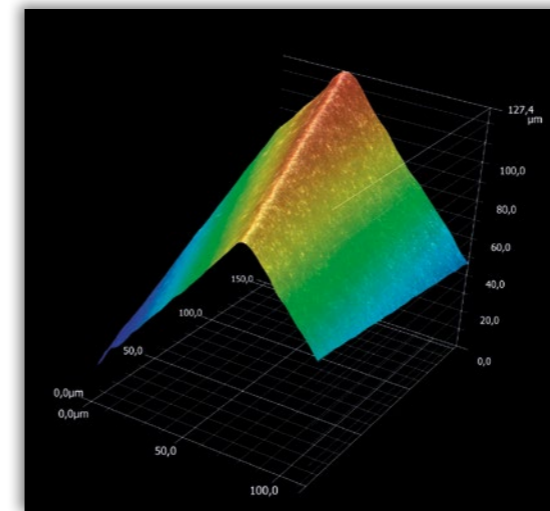
NEHER stands for individuality – please do not hesitate to contact us.

Custommade

We ensure consistent high quality through constant controls of our cutting edges. We pay particular attention to our special NEHER cutting edge preparation.



Face milling cutter Ø 80 with special length on customer's request.



The air-cooled face milling cutter Ø 125 has specially designed cooling channels to stabilize the air flow. In addition, the milling cutter has outlets in the chip flutes, next to and behind the cutting edge.

**NEHER stands
for individuality –**
please do not
hesitate to
contact us.

