

Архангельск (8182)63-90-72  
 Астана (7172)727-132  
 Астрахань (8512)99-46-04  
 Барнаул (3852)73-04-60  
 Белгород (4722)40-23-64  
 Брянск (4832)59-03-52  
 Владивосток (423)249-28-31  
 Волгоград (844)278-03-48  
 Вологда (8172)26-41-59  
 Воронеж (473)204-51-73  
 Екатеринбург (343)384-55-89  
 Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
 Иркутск (395)279-98-46  
 Казань (843)206-01-48  
 Калининград (4012)72-03-81  
 Калуга (4842)92-23-67  
 Кемерово (3842)65-04-62  
 Киров (8332)68-02-04  
 Краснодар (861)203-40-90  
 Красноярск (391)204-63-61  
 Курск (4712)77-13-04  
 Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
 Москва (495)268-04-70  
 Мурманск (8152)59-64-93  
 Набережные Челны (8552)20-53-41  
 Нижний Новгород (831)429-08-12  
 Новокузнецк (3843)20-46-81  
 Новосибирск (383)227-86-73  
 Омск (3812)21-46-40  
 Орел (4862)44-53-42  
 Оренбург (3532)37-68-04  
 Пенза (8412)22-31-16

Пермь (342)205-81-47  
 Ростов-на-Дону (863)308-18-15  
 Рязань (4912)46-61-64  
 Самара (846)206-03-16  
 Санкт-Петербург (812)309-46-40  
 Саратов (845)249-38-78  
 Севастополь (8692)22-31-93  
 Симферополь (3652)67-13-56  
 Смоленск (4812)29-41-54  
 Сочи (862)225-72-31  
 Ставрополь (8652)20-65-13

Сургут (3462)77-98-35  
 Тверь (4822)63-31-35  
 Томск (3822)98-41-53  
 Тула (4872)74-02-29  
 Тюмень (3452)66-21-18  
 Ульяновск (8422)24-23-59  
 Уфа (347)229-48-12  
 Хабаровск (4212)92-98-04  
 Челябинск (351)202-03-61  
 Череповец (8202)49-02-64  
 Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

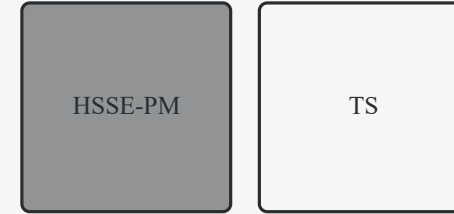
Казахстан (772)734-952-31

<https://fanar.nt-rt.ru/> || [frk@nt-rt.ru](mailto:frk@nt-rt.ru)

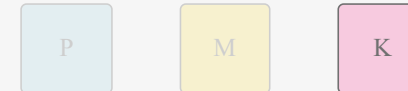
# GG

Group of taps with geometry and micro-geometry designed for machining of grey and ductile cast-iron.

Tool is made of **HSSE-PM** steel obtained in technology of powder metallurgy to guarantee homogenous structure that promotes high resistance to wear and tear.



## Application



## Variants

Variant	Type of hole	Type of chamfer	Type of grooves	Execution standard
C-TS		C (2-3P)	Straight	DIN-371



C-TS			C (2-3P)	Straight	DIN-374/DIN-376
C-IK-TS			C (2-3P)	Straight	DIN-371
C-IK-TS			C (2-3P)	Straight	DIN-374/DIN-376
E-TS			E (1,5-2P)	Straight	DIN-371
E-TS			E (1,5-2P)	Straight	DIN-374/DIN-376
E-IK-TS			E (1,5-2P)	Straight	DIN-371
E-IK-TS			E (1,5-2P)	Straight	DIN-374/DIN-376
E-IKR-TS			E (1,5-2P)	Straight	DIN-371
E-IKR-TS			E (1,5-2P)	Straight	DIN-374/DIN-376

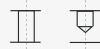
GG C-TS DIN-371



HSSE-PM

TS

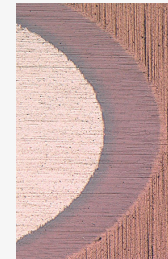
C (2-3P)



## C-TS DIN-371

For grey and ductile cast-iron

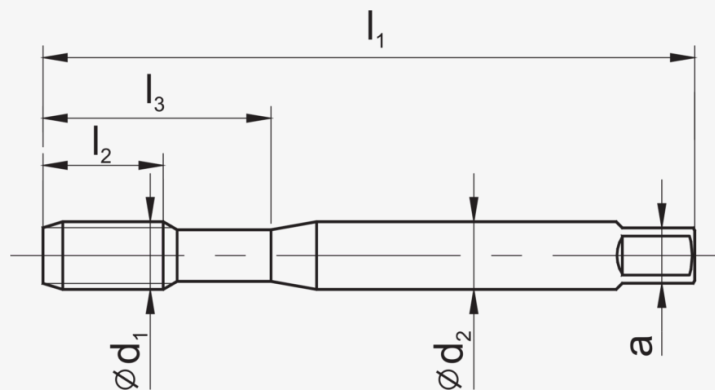
### Protection



The TS coat developed by Fanar protects the tools against wear and tear. Applied in state-of-the-art HiPIMS technology that guarantees homogenous coat structure and the highest crack resistance. Silicon contained in the coat allows machining hard and abrasive materials.

Select thread variant

M



Application

P

M

K









N

S

H

## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$l_3$	$\varnothing d_2$	a	Średnica otworu
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<b>C2-125501-0030</b>		M3	0,50	6HX	56	10	18	3,5	2,7	2,50
<b>C2-125501-0040</b>		M4	0,70	6HX	63	12	21	4,5	3,4	3,30
<b>C2-125501-0050</b>		M5	0,80	6HX	70	14	25	6,0	4,9	4,20
<b>C2-125501-0060</b>		M6	1,00	6HX	80	18	30	6,0	4,9	5,00
<b>C2-125501-0070</b>		M7	1,00	6HX	80	18	30	7,0	5,5	6,00
<b>C2-125501-0080</b>		M8	1,25	6HX	90	20	35	8,0	6,2	6,80
<b>C2-125501-0090</b>		M9	1,25	6HX	90	20	35	9,0	7,0	7,80
<b>C2-125501-0100</b>		M10	1,50	6HX	100	20	39	10,0	8,0	8,50

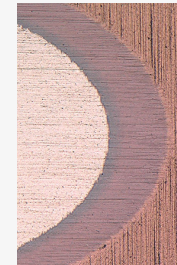
Machine taps GG C-TS DIN-376/DIN-374



## C-TS DIN-376/DIN-374

For grey and ductile cast-iron

### Protection



The TS coat developed by Fanar protects the tools against wear and tear. Applied in state-of-the-art HiPIMS technology that guarantees

homogenous coat structure and the highest crack resistance. Silicon contained in the coat allows machining hard and abrasive materials.

Select thread variant

M

Application

P

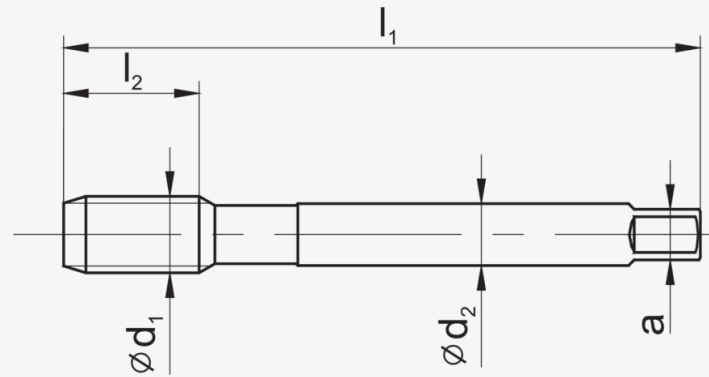
M

K

N









S

H



## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$\varnothing d_2$	a	Średnica otworu
-------	------------------	-------------------	---	--------------------------	-------	-------	-------------------	---	-----------------

<b>D2-125501-0060</b>		M6	1,00	6HX	80	18	4,5	3,4	5,00
<b>D2-125501-0080</b>		M8	1,25	6HX	90	20	6,0	4,9	6,80
<b>D2-125501-0100</b>		M10	1,50	6HX	100	20	7,0	5,5	8,50
<b>D2-125501-0120</b>		M12	1,75	6HX	110	24	9,0	7,0	10,20
<b>D2-125501-0140</b>		M14	2,00	6HX	110	25	11,0	9,0	12,00
<b>D2-125501-0160</b>		M16	2,00	6HX	110	32	12,0	9,0	14,00
<b>D2-125501-0180</b>		M18	2,50	6HX	125	32	14,0	11,0	15,50
<b>D2-125501-0200</b>		M20	2,50	6HX	140	32	16,0	12,0	17,50



GG C-IK-TS DIN-371



HSSE-PM

TS

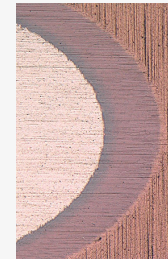
C (2-3P)



## C-IK-TS DIN-371

For grey and ductile cast-iron

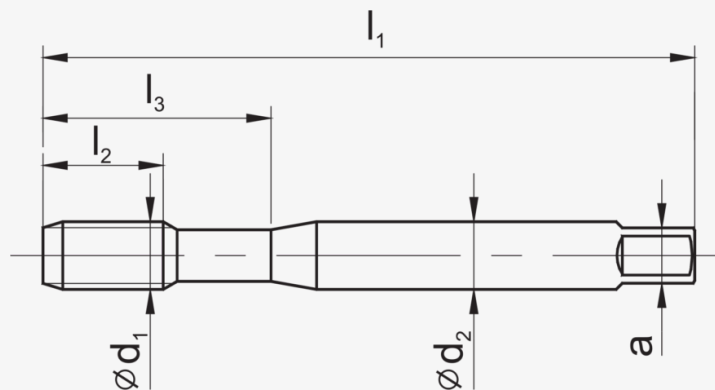
### Protection



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Select thread variant

M



Application

P

M

K

N

S

H

## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$l_3$	$\varnothing d_2$	a	Średnica otworu
-------	------------------	-------------------	---	--------------------------	-------	-------	-------	-------------------	---	-----------------

<b>C4-125551-0050</b>		M5	0,80	6HX	70	14	25	6,0	4,9	4,20
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<b>C4-125551-0060</b>		M6	1,00	6HX	80	18	30	6,0	4,9	5,00
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<b>C4-125551-0070</b>		M7	1,00	6HX	80	18	30	7,0	5,5	6,00
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<b>C4-125551-0080</b>		M8	1,25	6HX	90	20	35	8,0	6,2	6,80
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<b>C4-125551-0090</b>		M9	1,25	6HX	90	20	35	9,0	7,0	7,80
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<b>C4-125551-0100</b>		M10	1,50	6HX	100	20	39	10,0	8,0	8,50
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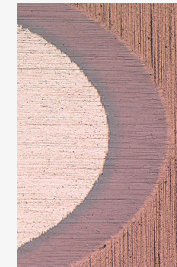
GG C-IK-TS DIN-376/DIN-374



## C-IK-TS DIN-376/DIN-374

For grey and ductile cast-iron

### Protection



The TS coat developed by Fanar protects the tools against wear and tear. Applied in state-of-the-art HiPIMS technology that guarantees

homogenous coat structure and the highest crack resistance. Silicon contained in the coat allows machining hard and abrasive materials.

Select thread variant

M

Application

P

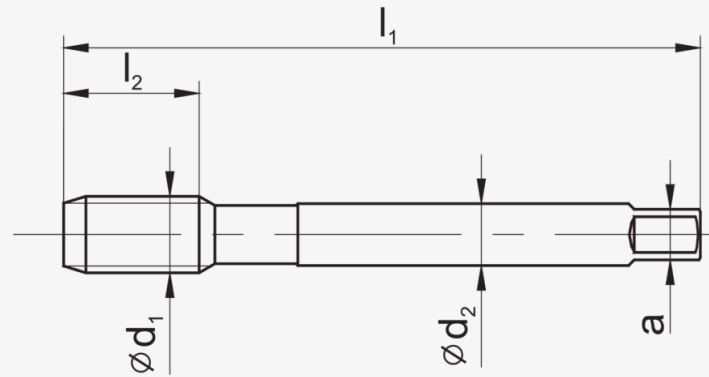
M

K

N


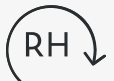






S

H



## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$\varnothing d_2$	a	Średnica otworu
-------	------------------	-------------------	---	--------------------------	-------	-------	-------------------	---	-----------------

<b>D4-125551-0060</b>		M6	1,00	6HX	80	18	4,5	3,4	5,00
<b>D4-125551-0080</b>		M8	1,25	6HX	90	20	6,0	4,9	6,80
<b>D4-125551-0100</b>		M10	1,50	6HX	100	20	7,0	5,5	8,50
<b>D4-125551-0120</b>		M12	1,75	6HX	110	24	9,0	7,0	10,20
<b>D4-125551-0140</b>		M14	2,00	6HX	110	25	11,0	9,0	12,00
<b>D4-125551-0160</b>		M16	2,00	6HX	110	32	12,0	9,0	14,00
<b>D4-125551-0180</b>		M18	2,50	6HX	125	32	14,0	11,0	15,50
<b>D4-125551-0200</b>		M20	2,50	6HX	140	32	16,0	12,0	17,50

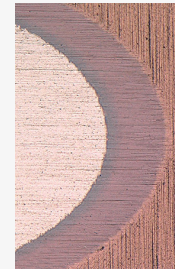
GG E-TS DIN-371



## E-TS DIN-371

For grey and ductile cast-iron

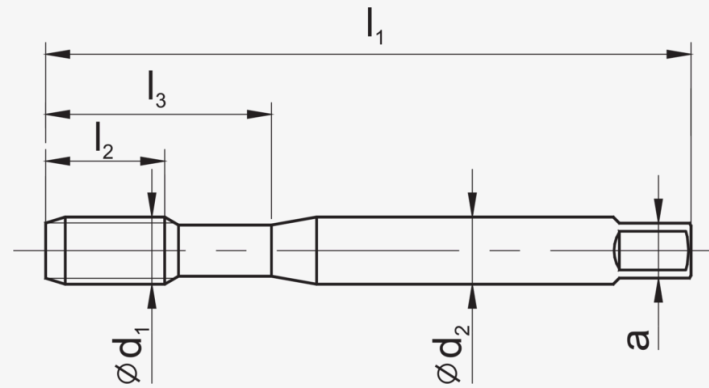
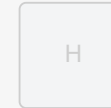
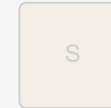
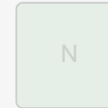
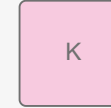
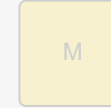
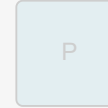
### Protection



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Select thread variant


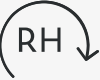

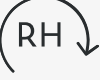
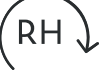
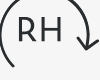
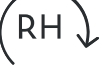

Application



## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$\varnothing d_2$	a	Średnica otworu
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<b>C2-145501-0030</b>		M6	1,00	6HX	80	18	4,5	3,4	5,00
<b>C2-145501-0040</b>		M8	1,25	6HX	90	20	6,0	4,9	6,80
<b>C2-145501-0050</b>		M10	1,50	6HX	100	20	7,0	5,5	8,50
<b>C2-145501-0060</b>		M12	1,75	6HX	110	24	9,0	7,0	10,20
<b>C2-145501-0070</b>		M14	2,00	6HX	110	25	11,0	9,0	12,00
<b>C2-145501-0080</b>		M16	2,00	6HX	110	32	12,0	9,0	14,00
<b>C2-145501-0090</b>		M18	2,50	6HX	125	32	14,0	11,0	15,50
<b>C2-145501-0100</b>		M20	2,50	6HX	140	32	16,0	12,0	17,50

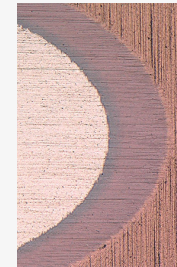
GG E-TS DIN-376/DIN-374



## E-TS DIN-376/DIN-374

For grey and ductile cast-iron

### Protection

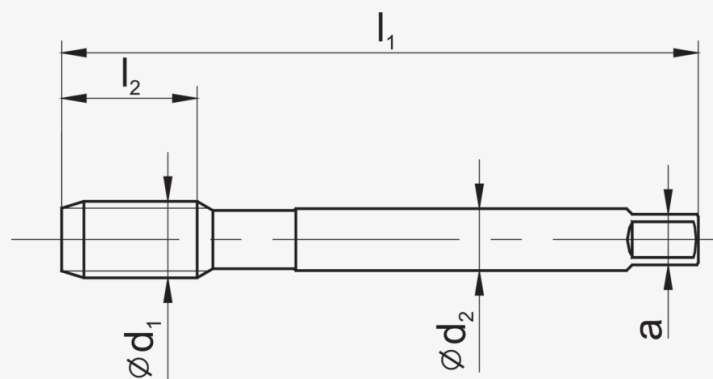
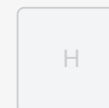
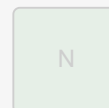
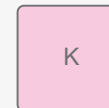
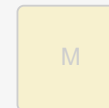
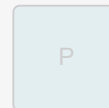


The TS coat developed by Fanar protects the tools against wear and tear. Applied in state-of-the-art HiPIMS technology that guarantees

homogenous coat structure and the highest crack resistance. Silicon contained in the coat allows machining hard and abrasive materials.


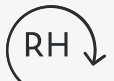






Select thread variant

Application



## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$\varnothing d_2$	a	Średnica otworu
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<b>D2-145501-0060</b>		M6	1,00	6HX	80	18	4,5	3,4	5,00
<b>D2-145501-0080</b>		M8	1,25	6HX	90	20	6,0	4,9	6,80
<b>D2-145501-0100</b>		M10	1,50	6HX	100	20	7,0	5,5	8,50
<b>D2-145501-0120</b>		M12	1,75	6HX	110	24	9,0	7,0	10,20
<b>D2-145501-0140</b>		M14	2,00	6HX	110	25	11,0	9,0	12,00
<b>D2-145501-0160</b>		M16	2,00	6HX	110	32	12,0	9,0	14,00
<b>D2-145501-0180</b>		M18	2,50	6HX	125	32	14,0	11,0	15,50
<b>D2-145501-0200</b>		M20	2,50	6HX	140	32	16,0	12,0	17,50

GG E-IK-TS DIN-371



HSSE-PM

TS

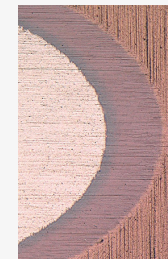
E (1,5-2P)



## E-IK-TS DIN-371

For grey and ductile cast-iron

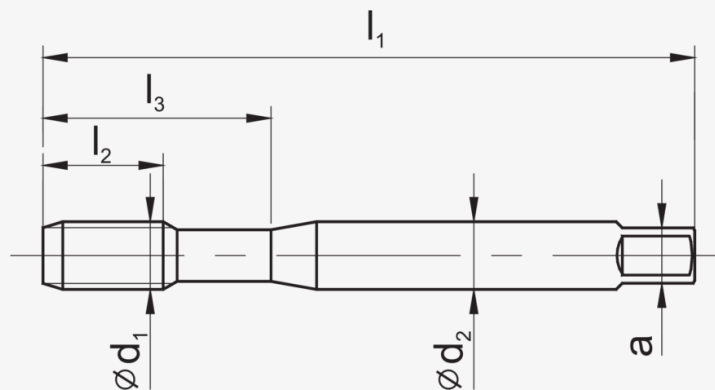
### Protection



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Select thread variant

M



Application

P

M

K

N

S

H

## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$l_3$	$\varnothing d_2$	$a$	Średnica otworu
-------	------------------	-------------------	---	--------------------------	-------	-------	-------	-------------------	-----	-----------------

<b>C4-145551-0050</b>		M5	0,80	6HX	70	14	25	6,0	4,9	4,20
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<b>C4-145551-0060</b>		M6	1,00	6HX	80	18	30	6,0	4,9	5,00
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<b>C4-145551-0070</b>		M7	1,00	6HX	80	18	30	7,0	5,5	6,00
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<b>C4-145551-0080</b>		M8	1,25	6HX	90	20	35	8,0	6,2	6,80
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<b>C4-145551-0090</b>		M9	1,25	6HX	90	20	35	9,0	7,0	7,80
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<b>C4-145551-0100</b>		M10	1,50	6HX	100	20	39	10,0	8,0	8,50
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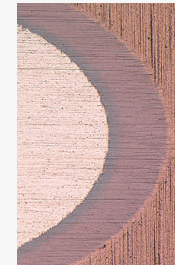
GG E-IK-TS DIN-376/DIN-374



## E-IK-TS DIN-376/DIN-374

For grey and ductile cast-iron

### Protection



The TS coat developed by Fanar protects the tools against wear and tear. Applied in state-of-the-art HiPIMS technology that guarantees

homogenous coat structure and the highest crack resistance. Silicon contained in the coat allows machining hard and abrasive materials.



Select thread variant

M

Application

P

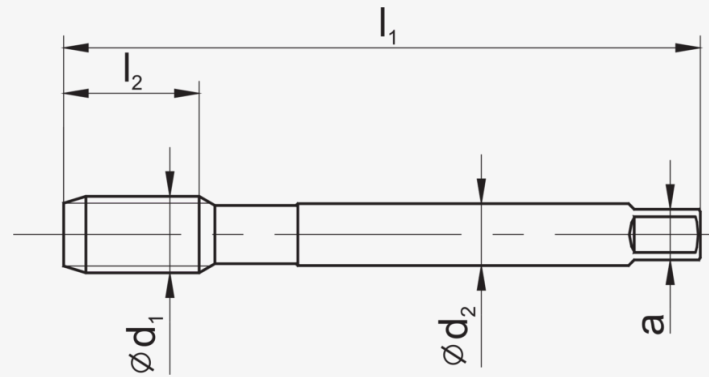
M

K

N


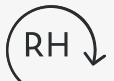






S

H



## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$\varnothing d_2$	a	Średnica otworu
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<b>D4-145551-0060</b>		M6	1,00	6HX	80	18	4,5	3,4	5,00
<b>D4-145551-0080</b>		M8	1,25	6HX	90	20	6,0	4,9	6,80
<b>D4-145551-0100</b>		M10	1,50	6HX	100	20	7,0	5,5	8,50
<b>D4-145551-0120</b>		M12	1,75	6HX	110	24	9,0	7,0	10,20
<b>D4-145551-0140</b>		M14	2,00	6HX	110	25	11,0	9,0	12,00
<b>D4-145551-0160</b>		M16	2,00	6HX	110	32	12,0	9,0	14,00
<b>D4-145551-0180</b>		M18	2,50	6HX	125	32	14,0	11,0	15,50
<b>D4-145551-0200</b>		M20	2,50	6HX	140	32	16,0	12,0	17,50

Machine taps GG E-IKR-TS DIN-371



HSSE-PM

TS

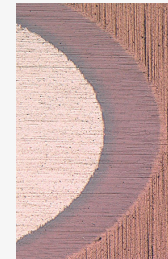
E (1,5-2P)



## E-IKR-TS DIN-371

For grey and ductile cast-iron

### Protection

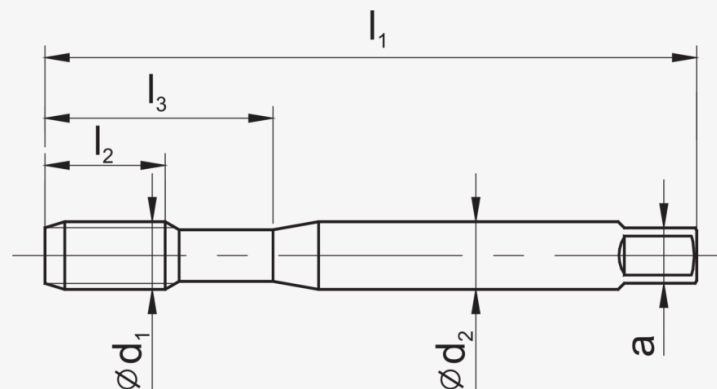


The TS coat developed by Fanar protects the tools against wear and tear. Applied in state-of-the-art HiPIMS technology that guarantees

homogenous coat structure and the highest crack resistance. Silicon contained in the coat allows machining hard and abrasive materials.

Select thread variant

M



Application

P

M

K

N

S

H

## Dimensions

Index

Thread direction

$\varnothing d_1$

P

Pitch diameter tolerance

$l_1$


$l_2$

$l_3$


$\varnothing d_2$

$a$

Średnica otworu

<b>C4-145561-0050</b>		M5	0,80	6HX	70	14	25	6,0	4,9	4,20
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<b>C4-145561-0060</b>		M6	1,00	6HX	80	18	30	6,0	4,9	5,00
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<b>C4-145561-0070</b>		M7	1,00	6HX	80	18	30	7,0	5,5	6,00
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<b>C4-145561-0080</b>		M8	1,25	6HX	90	20	35	8,0	6,2	6,80
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<b>C4-145561-0090</b>		M9	1,25	6HX	90	20	35	9,0	7,0	7,80
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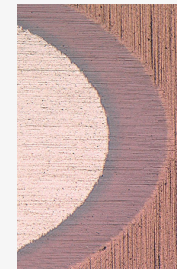
<b>C4-145561-0100</b>		M10	1,50	6HX	100	20	39	10,0	8,0	8,50
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## **E-IKR-TS DIN-376/DIN-374**

For grey and ductile cast-iron

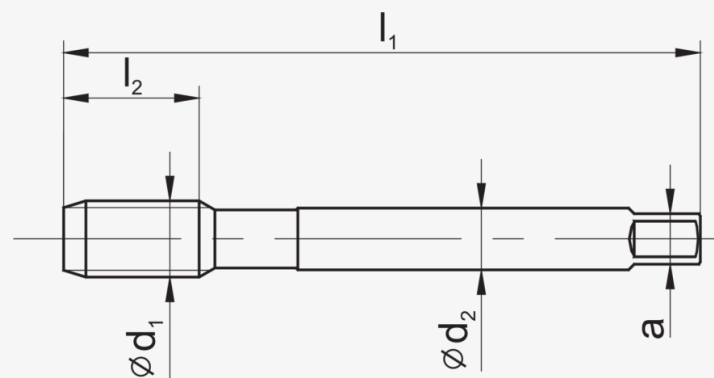
### **Protection**



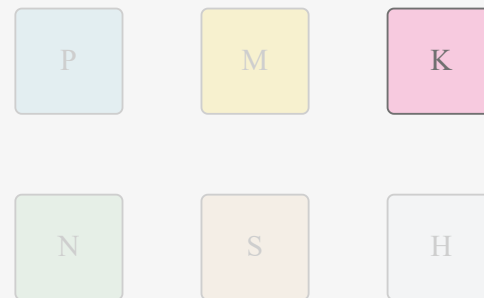
The TS coat developed by Fanar protects the tools against wear and tear. Applied in state-of-the-art HiPIMS technology that guarantees homogenous coat structure and the highest crack resistance. Silicon contained in the coat allows machining hard and abrasive materials.

Select thread variant


M









Application



## Dimensions

Index	Thread direction	$\varnothing d_1$	P	Pitch diameter tolerance	$l_1$	$l_2$	$\varnothing d_2$	a	Średnica otworu
D4-145561-0180		M18	2,50	6HX	125	32	14,0	11,0	15,50
D4-145561-0200		M20	2,50	6HX	140	32	16,0	12,0	17,50

<b>D4-145561-0060</b>		M6	1,00	6HX	80	18	4,5	3,4	5,00
<b>D4-145561-0080</b>		M8	1,25	6HX	90	20	6,0	4,9	6,80
<b>D4-145561-0100</b>		M10	1,50	6HX	100	20	7,0	5,5	8,50
<b>D4-145561-0120</b>		M12	1,75	6HX	110	24	9,0	7,0	10,20
<b>D4-145561-0140</b>		M14	2,00	6HX	110	25	11,0	9,0	12,00
<b>D4-145561-0160</b>		M16	2,00	6HX	110	32	12,0	9,0	14,00

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Белгород (4722)40-23-64  
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