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

MASTERTAP®

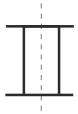
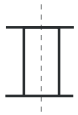
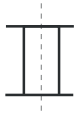
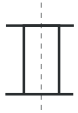
MasterTap group of taps was designed for high performance threading of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

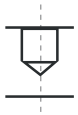
The most important design characteristic of taps is the combination of innovative solutions within the area of tool micro-geometry, application of advanced PVD coats and the use of steel obtained in technology of powder metallurgy (HSSE-PM). Combination of these two features makes the tool universal, allows working at highest machining speed, ensures perfect quality of surface and accuracy of taps manufactured.

Application

Variants

Variant	Type of hole	Type of chamfer	Type of grooves	Execution standard

B-HL			B (4-5P)	Spiral point	DIN-371
B-HL			B (4-5P)	Spiral point	DIN-376/DIN-5156/DIN-374
B-IKR-HL			B (4-5P)	Spiral point	DIN-371
B-IKR-HL			B (4-5P)	Spiral point	DIN-374/DIN-376
C-R45-HL			C (2-3P)	R45	DIN-371
C-R45-HL			C (2-3P)	R45	DIN-5156/DIN-376/DIN-374

C-R45-IK-HL 		C (2-3P)	R45	DIN-371
C-R45-IK-HL 		C (2-3P)	R45	DIN-374/DIN-376
E-R45-HL 		E (1,5-2P)	R45	DIN-371
E-R45-HL 		E (1,5-2P)	R45	DIN-376/DIN-374
E-R45-IK-HL 		E (1,5-2P)	R45	DIN-371
E-R45-IK-HL 		E (1,5-2P)	R45	DIN-374/DIN-376

HSSE-PM

HL

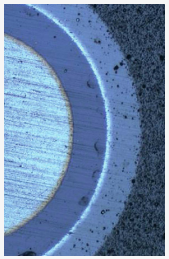
B (4-5P)

DIN-371

B-HL DIN-371

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

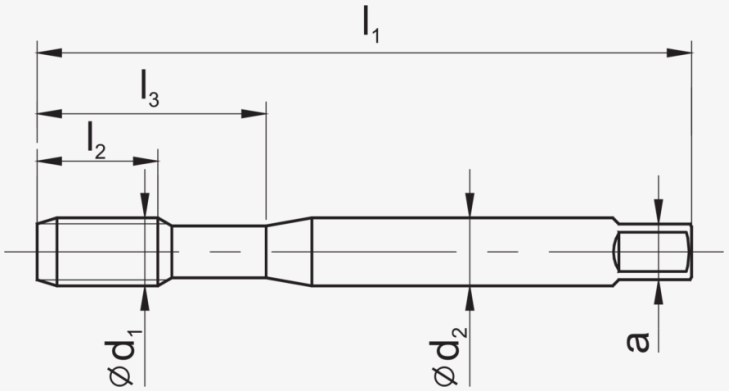
Protection



Tools are protected against wear and tear by HL coat. Main components include the TiAlN base, which forms an ideal temperature barrier and top tungsten carbide layer in carbon matrix (WC/C) reducing the build-up, perfect for processing of ductile materials.

Select thread variant

M



Application

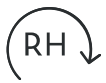
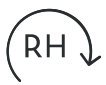
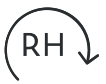
P M K

N S H

Dimensions

Index	Thread direction	ød$_1$	P	Pitch diameter tolerance	l$_1$	l$_2$	l$_3$	ød$_2$	a	Średnica otworu

C4-118M02-0010	RH	M1	0,25	ISO1(4H)	40	6	13	2,5	2,1	0,75
C4-118M02-0011	RH	M1,1	0,25	ISO1(4H)	40	6	13	2,5	2,1	0,85
C4-118M02-0012	RH	M1,2	0,25	ISO1(4H)	40	6	13	2,5	2,1	0,95
C4-118M02-0014	RH	M1,4	0,30	ISO1(4H)	40	8	13	2,5	2,1	1,10
C4-118M01-0016	RH	M1,6	0,35	ISO2(6H)	40	8	13	2,5	2,1	1,25
C4-118M01-0017	RH	M1,7	0,35	ISO2(6H)	40	8	13	2,5	2,1	1,35
C4-118M01-0018	RH	M1,8	0,35	ISO2(6H)	40	8	13	2,5	2,1	1,45
C4-118M01-0020	RH	M2	0,40	ISO2(6H)	45	10	13	2,8	2,1	1,60

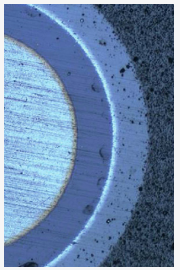
C4-118M01-0022		M2,2	0,45	ISO2(6H)	45	10	13	2,8	2,1	1,75
C4-118M01-0023		M2,3	0,40	ISO2(6H)	45	10	13	2,8	2,1	1,90
C4-118M01-0025		M2,5	0,45	ISO2(6H)	50	9	14	2,8	2,1	2,05
C4-118M01-0026		M2,6	0,45	ISO2(6H)	50	9	14	2,8	2,1	2,15
C4-118M01-0030		M3	0,50	6HX	56	5	18	3,5	2,7	2,50
C4-118M01-0035		M3,5	0,60	6HX	56	6	20	4,0	3,0	2,90
C4-118M01-0040		M4	0,70	6HX	63	7	21	4,5	3,4	3,30
C4-118M01-0045		M4,5	0,75	6HX	70	7,5	25	6,0	4,9	3,80

C4-118M01-0050	RH	M5	0,80	6HX	70	8	25	6,0	4,9	4,20
C4-118M01-0060	RH	M6	1,00	6HX	80	10	30	6,0	4,9	5,00
C4-118M01-0070	RH	M7	1,00	6HX	80	10	30	7,0	5,5	6,00
C4-118M01-0080	RH	M8	1,25	6HX	90	13	35	8,0	6,2	6,80
C4-118M01-0090	RH	M9	1,25	6HX	90	13	35	9,0	7,0	7,80
C4-118M01-0100	RH	M10	1,50	6HX	100	15	39	10,0	8,0	8,50

B-HL DIN-376/DIN-374/DIN-5156

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

Protection



Tools are protected against wear and tear by HL coat. Main components include the TiAIN base, which forms an ideal temperature barrier and top tungsten carbide layer in carbon matrix (WC/C) reducing the build-up, perfect for processing of ductile materials.

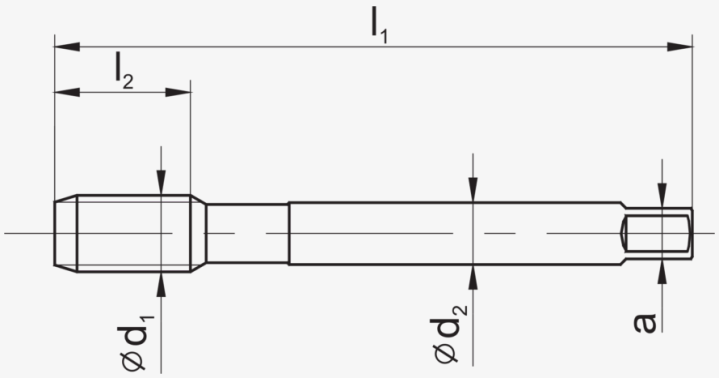
Select thread variant

M

Application

P M K

N S H



Dimensions

Index	Thread direction	ød$_1$	P	Pitch diameter tolerance	l$_1$	l$_2$	ød$_2$	a	Średnica otworu

D4-118M01-0080	RH	M8	1,25	6HX	90	15	6,0	4,9	6,80
D4-118M01-0100	RH	M10	1,50	6HX	100	17	7,0	5,5	8,50
D4-118M01-0120	RH	M12	1,75	6HX	110	18	9,0	7,0	10,20
D4-118M01-0140	RH	M14	2,00	6HX	110	20	11,0	9,0	12,00
D4-118M01-0160	RH	M16	2,00	6HX	110	20	12,0	9,0	14,00
D4-118M01-0180	RH	M18	2,50	6HX	125	25	14,0	11,0	15,50
D4-118M01-0200	RH	M20	2,50	6HX	140	25	16,0	12,0	17,50
D4-118M01-0220	RH	M22	2,50	6HX	140	25	18,0	14,5	19,50

D4-118M01-0240	RH	M24	3,00	6HX	160	30	18,0	14,5	21,00
D4-118M01-0270	RH	M27	3,00	6HX	160	30	20,0	16,0	24,00
D4-118M01-0300	RH	M30	3,50	6HX	180	35	22,0	18,0	26,50
D4-118M01-0330	RH	M33	3,50	6HX	180	35	25,0	20,0	29,50
D4-118M01-0360	RH	M36	4,00	6HX	200	40	28,0	22,0	32,00

HSSE-PM

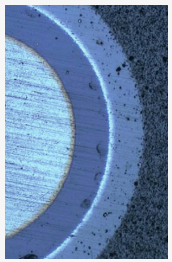
HL

B (4-5P)

B-IKR-HL DIN-371

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

Protection



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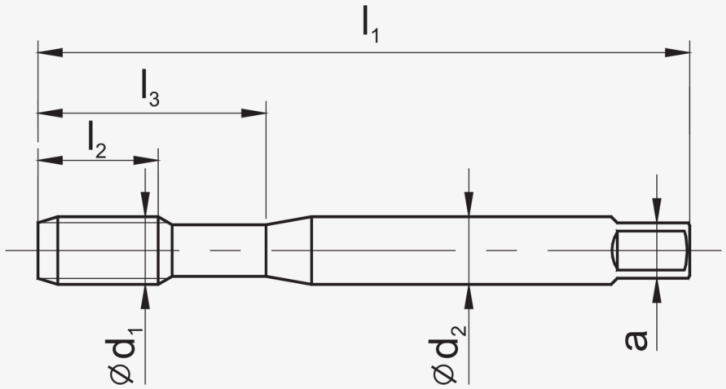
Select thread variant

M



Application

P M K

N S H

Dimensions

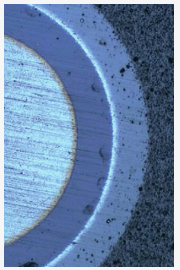
Index	Thread direction	ød1	P	Pitch diameter tolerance	l1	l2	l3	ød2	a	Średnica otworu

C4-118M61-0050		M5	0,80	6HX	70	8	25	6,0	4,9	4,20
C4-118M61-0060		M6	1,00	6HX	80	10	30	6,0	4,9	5,00
C4-118M61-0070		M7	1,00	6HX	80	10	30	7,0	5,5	6,00
C4-118M61-0080		M8	1,25	6HX	90	13	35	8,0	6,2	6,80
C4-118M61-0090		M9	1,25	6HX	90	13	35	9,0	7,0	7,80
C4-118M61-0100		M10	1,50	6HX	100	15	39	10,0	8,0	8,50

B-IKR-HL DIN-376/DIN-374

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

Protection



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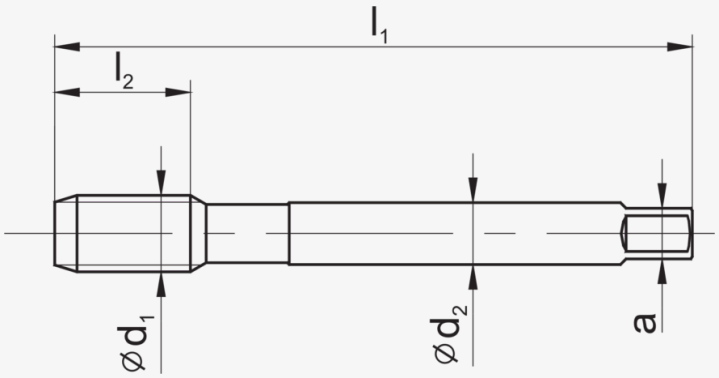
Select thread variant

M

Application

P M K

N S H



Dimensions

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

D4-118M61-0080	RH	M8	1,25	6HX	90	15	6,0	4,9	6,80
D4-118M61-0100	RH	M10	1,50	6HX	100	17	7,0	5,5	8,50
D4-118M61-0120	RH	M12	1,75	6HX	110	18	9,0	7,0	10,20
D4-118M61-0140	RH	M14	2,00	6HX	110	20	11,0	9,0	12,00
D4-118M61-0160	RH	M16	2,00	6HX	110	20	12,0	9,0	14,00
D4-118M61-0180	RH	M18	2,50	6HX	125	25	14,0	11,0	15,50
D4-118M61-0200	RH	M20	2,50	6HX	140	25	16,0	12,0	17,50
D4-118M61-0220	RH	M22	2,50	6HX	140	25	18,0	14,5	19,50

D4-118M61-0240	RH	M24	3,00	6HX	160	30	18,0	14,5	21,00
D4-118M61-0270	RH	M27	3,00	6HX	160	30	20,0	16,0	24,00
D4-118M61-0300	RH	M30	3,50	6HX	180	35	22,0	18,0	26,50
D4-118M61-0330	RH	M33	3,50	6HX	180	35	25,0	20,0	29,50
D4-118M61-0360	RH	M36	4,00	6HX	200	40	28,0	22,0	32,00

MasterTAP C-R45-HL DIN-371

HSSE-PM

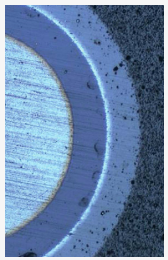
HL

C (2-3P)

C-R45-HL DIN-371

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

Protection



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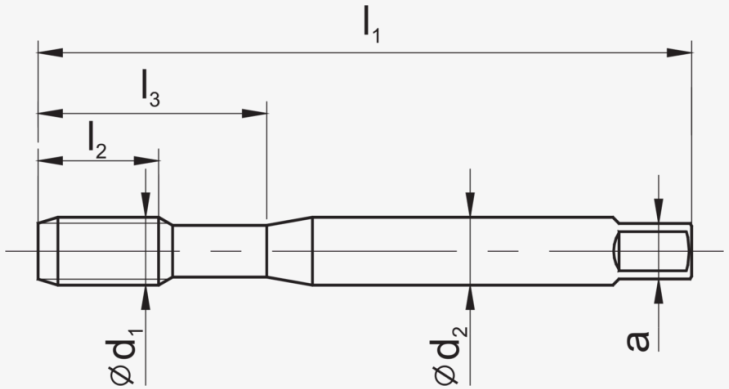
Select thread variant

M



Application

P M K

N S H

Dimensions

Index	Thread direction	ød1	P	Pitch diameter tolerance	l1	l2	l3	ød2	a	Średnica otworu

C4-528M02-0010	RH	M1	0,25	ISO1(4H)	40	6	13	2,5	2,1	0,75
C4-528M02-0011	RH	M1,1	0,25	ISO1(4H)	40	6	13	2,5	2,1	0,85
C4-528M02-0012	RH	M1,2	0,25	ISO1(4H)	40	6	13	2,5	2,1	0,95
C4-528M02-0014	RH	M1,4	0,30	ISO1(4H)	40	8	13	2,5	2,1	1,10
C4-528M01-0016	RH	M1,6	0,35	ISO2(6H)	40	8	13	2,5	2,1	1,25
C4-528M01-0017	RH	M1,7	0,35	ISO2(6H)	40	8	13	2,5	2,1	1,35
C4-528M01-0018	RH	M1,8	0,35	ISO2(6H)	40	8	13	2,5	2,1	1,45
C4-528M01-0020	RH	M2	0,40	ISO2(6H)	45	10	13	2,8	2,1	1,60

C4-528M01-0022	RH	M2,2	0,45	ISO2(6H)	45	10	13	2,8	2,1	1,75
C4-528M01-0023	RH	M2,3	0,40	ISO2(6H)	45	10	13	2,8	2,1	1,90
C4-528M01-0025	RH	M2,5	0,45	ISO2(6H)	50	5	14	2,8	2,1	2,05
C4-528M01-0026	RH	M2,6	0,45	ISO2(6H)	50	5	14	2,8	2,1	2,15
C4-528M01-0030	RH	M3	0,50	6HX	56	5	18	3,5	2,7	2,50
C4-528M01-0035	RH	M3,5	0,60	6HX	56	6	20	4,0	3,0	2,90
C4-528M01-0040	RH	M4	0,70	6HX	63	7	21	4,5	3,4	3,30
C4-528M01-0045	RH	M4,5	0,75	6HX	70	7,5	25	6,0	4,9	3,80

C4-528M01-0050	RH	M5	0,80	6HX	70	8	25	6,0	4,9	4,20
C4-528M01-0060	RH	M6	1,00	6HX	80	10	30	6,0	4,9	5,00
C4-528M01-0070	RH	M7	1,00	6HX	80	10	30	7,0	5,5	6,00
C4-528M01-0080	RH	M8	1,25	6HX	90	13	35	8,0	6,2	6,80
C4-528M01-0090	RH	M9	1,25	6HX	90	13	35	9,0	7,0	7,80
C4-528M01-0100	RH	M10	1,50	6HX	100	15	39	10,0	8,0	8,50

C-R45-HL DIN-376/DIN-374/DIN-5156

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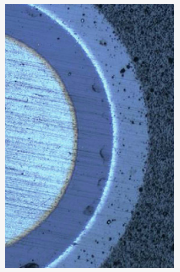
Protection



Tools are protected against wear and tear by HL coat. Main components include the TiAlN base, which forms an ideal temperature barrier and top tungsten carbide layer in carbon matrix (WC/C) reducing

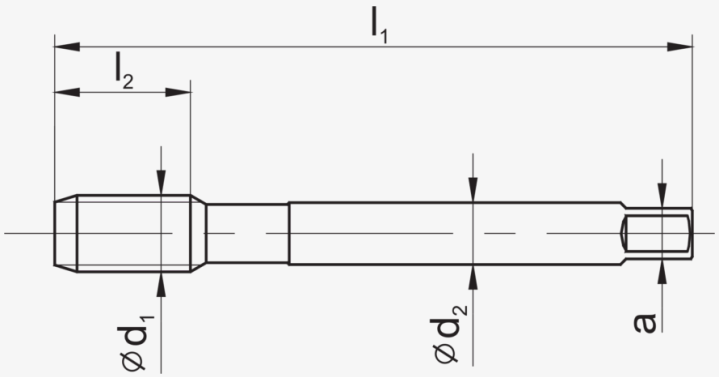
Select thread variant

M

Application

P M K

N S H



Dimensions

Index	Thread direction	ød1	P	Pitch diameter tolerance	l1	l2	ød2	a	Średnica otworu

D4-528M01-0080	RH	M8	1,25	6HX	90	15	6,0	4,9	6,80
D4-528M01-0100	RH	M10	1,50	6HX	100	17	7,0	5,5	8,50
D4-528M01-0120	RH	M12	1,75	6HX	110	18	9,0	7,0	10,20
D4-528M01-0140	RH	M14	2,00	6HX	110	20	11,0	9,0	12,00
D4-528M01-0160	RH	M16	2,00	6HX	110	20	12,0	9,0	14,00
D4-528M01-0180	RH	M18	2,50	6HX	125	25	14,0	11,0	15,50
D4-528M01-0200	RH	M20	2,50	6HX	140	25	16,0	12,0	17,50
D4-528M01-0220	RH	M22	2,50	6HX	140	25	18,0	14,5	19,50

D4-528M01-0240		M24	3,00	6HX	160	30	18,0	14,5	21,00
D4-528M01-0270		M27	3,00	6HX	160	30	20,0	16,0	24,00
D4-528M01-0300		M30	3,50	6HX	180	35	22,0	18,0	26,50
D4-528M01-0330		M33	3,50	6HX	180	35	25,0	20,0	29,50
D4-528M01-0360		M36	4,00	6HX	200	40	28,0	22,0	32,00

HSSE-PM

HL

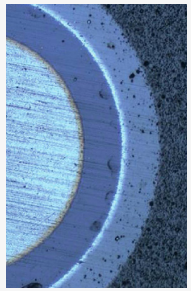
C (2-3P)

DIN-371

C-R45-IK-HL DIN-371

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

Protection



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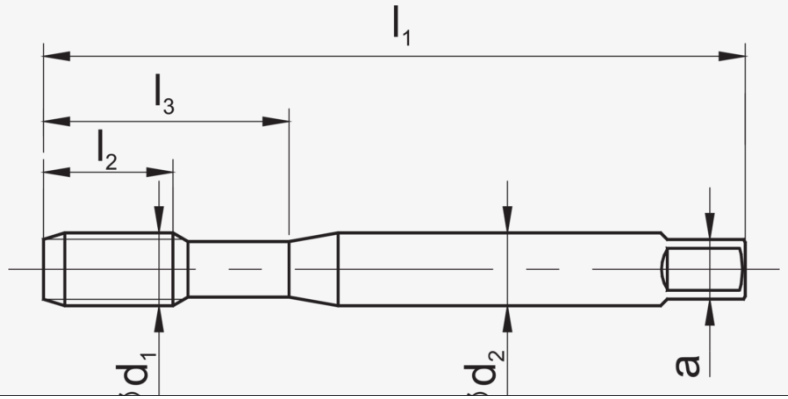
Select thread variant

M



Application

P M K N S H

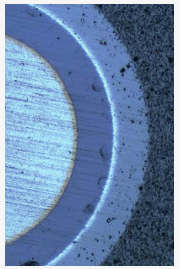
Dimensions

Index	Thread direction	ød$_1$	P	Pitch diameter tolerance	l$_1$	l$_2$	l$_3$	ød$_2$	a	Średnica otworu
C4-528M51-0050		M5	0,80	6HX	70	8	25	6,0	4,9	4,20
C4-528M51-0060		M6	1,00	6HX	80	10	30	6,0	4,9	5,00
C4-528M51-0070		M7	1,00	6HX	80	10	30	7,0	5,5	6,00
C4-528M51-0080		M8	1,25	6HX	90	13	35	8,0	6,2	6,80
C4-528M51-0090		M9	1,25	6HX	90	13	35	9,0	7,0	7,80
C4-528M51-0100		M10	1,50	6HX	100	15	39	10,0	8,0	8,50

C-R45-IK-HL DIN-376/DIN-374

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

Protection



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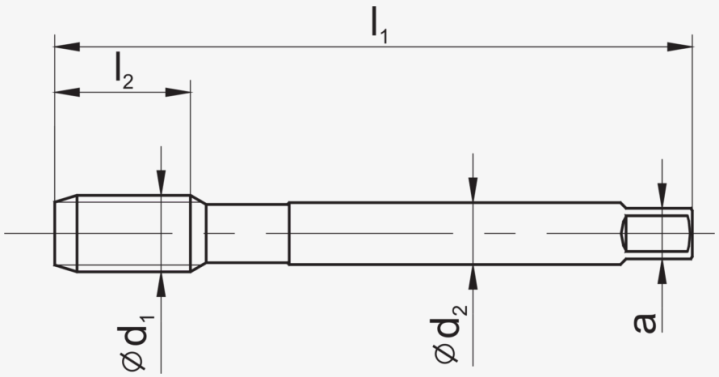
Select thread variant

M

Application

P M K

N S H



Dimensions

Index	Thread direction	ød1	P	Pitch diameter tolerance	l1	l2	ød2	a	Średnica otworu

D4-528M51-0080	RH	M8	1,25	6HX	90	15	6,0	4,9	6,80
D4-528M51-0100	RH	M10	1,50	6HX	100	17	7,0	5,5	8,50
D4-528M51-0120	RH	M12	1,75	6HX	110	18	9,0	7,0	10,20
D4-528M51-0140	RH	M14	2,00	6HX	110	20	11,0	9,0	12,00
D4-528M51-0160	RH	M16	2,00	6HX	110	20	12,0	9,0	14,00
D4-528M51-0180	RH	M18	2,50	6HX	125	25	14,0	11,0	15,50
D4-528M51-0200	RH	M20	2,50	6HX	140	25	16,0	12,0	17,50
D4-528M51-0220	RH	M22	2,50	6HX	140	25	18,0	14,5	19,50

D4-528M51-0240	RH	M24	3,00	6HX	160	30	18,0	14,5	21,00
D4-528M51-0270	RH	M27	3,00	6HX	160	30	20,0	16,0	24,00
D4-528M51-0300	RH	M30	3,50	6HX	180	35	22,0	18,0	26,50
D4-528M51-0330	RH	M33	3,50	6HX	180	35	25,0	20,0	29,50
D4-528M51-0360	RH	M36	4,00	6HX	200	40	28,0	22,0	32,00

MasterTAP E-R45-HL DIN-371

HSSE-PM

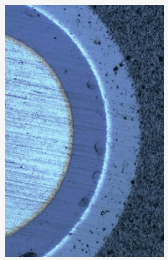
HL

E (1,5-2P)

E-R45-HL DIN-371

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

Protection



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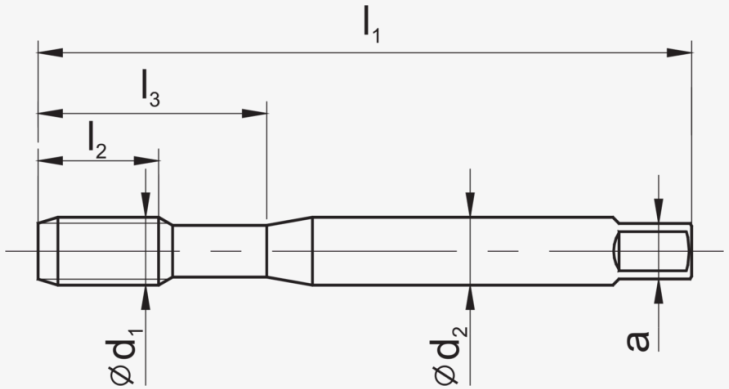
Select thread variant

M



Application

P M K

N S H

Dimensions

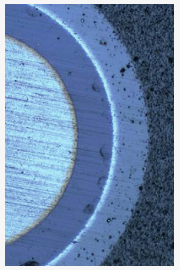
Index	Thread direction	ød1	P	Pitch diameter tolerance	l1	l2	l3	ød2	a	Średnica otworu

C4-718M01-0030	RH	M3	0,50	6HX	56	5	18	3,5	2,7	2,50
C4-718M01-0035	RH	M3,5	0,60	6HX	56	6	20	4,0	3,0	2,90
C4-718M01-0040	RH	M4	0,70	6HX	63	7	21	4,5	3,4	3,30
C4-718M01-0045	RH	M4,5	0,75	6HX	70	7,5	25	6,0	4,9	3,80
C4-718M01-0050	RH	M5	0,80	6HX	70	8	25	6,0	4,9	4,20
C4-718M01-0060	RH	M6	1,00	6HX	80	10	30	6,0	4,9	5,00
C4-718M01-0070	RH	M7	1,00	6HX	80	10	30	7,0	5,5	6,00
C4-718M01-0080	RH	M8	1,25	6HX	90	13	35	8,0	6,2	6,80
C4-718M01-0090	RH	M9	1,25	6HX	90	13	35	9,0	7,0	7,80
C4-718M01-0100	RH	M10	1,50	6HX	100	15	39	10,0	8,0	8,50

E-R45-HL DIN-376/DIN-374

Highest efficiency of machining of wide spectrum of materials such as steels, stainless steels, cast iron, non-ferrous metals and superalloys.

Protection



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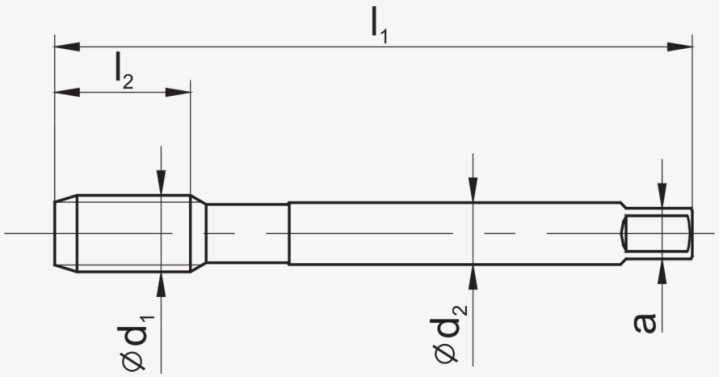
Select thread variant

M

Application

P M K

N S H



Dimensions

Index	Thread direction	ød1	P	Pitch diameter tolerance	l1	l2	ød2	a	Średnica otworu

D4-718M01-0080	RH	M8	1,25	6HX	90	15	6,0	4,9	6,80
D4-718M01-0100	RH	M10	1,50	6HX	100	17	7,0	5,5	8,50
D4-718M01-0120	RH	M12	1,75	6HX	110	18	9,0	7,0	10,20
D4-718M01-0140	RH	M14	2,00	6HX	110	20	11,0	9,0	12,00
D4-718M01-0160	RH	M16	2,00	6HX	110	20	12,0	9,0	14,00
D4-718M01-0180	RH	M18	2,50	6HX	125	25	14,0	11,0	15,50
D4-718M01-0200	RH	M20	2,50	6HX	140	25	16,0	12,0	17,50
D4-718M01-0220	RH	M22	2,50	6HX	140	25	18,0	14,5	19,50

D4-718M01-0240		M24	3,00	6HX	160	30	18,0	14,5	21,00
D4-718M01-0270		M27	3,00	6HX	160	30	20,0	16,0	24,00
D4-718M01-0300		M30	3,50	6HX	180	35	22,0	18,0	26,50
D4-718M01-0330		M33	3,50	6HX	180	35	25,0	20,0	29,50
D4-718M01-0360		M36	4,00	6HX	200	40	28,0	22,0	32,00

HSSE-PM

HL

E (1,5-2P)

E-R45-IK-HL DIN-371

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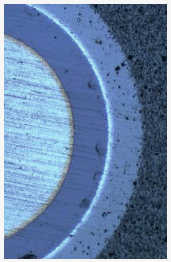
Protection



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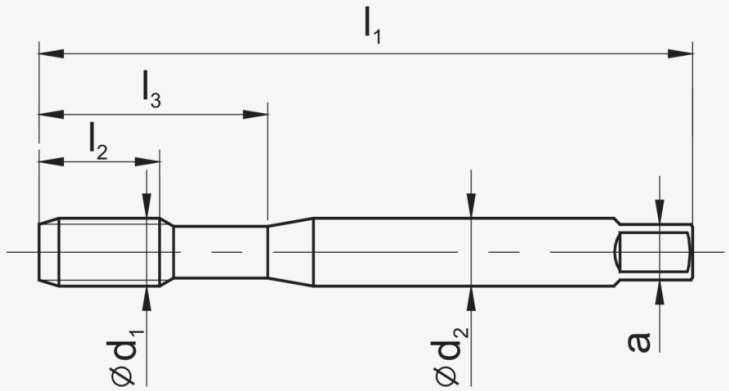
Select thread variant

M



Application

P M K

N S H

Dimensions

Index	Thread direction	ød1	P	Pitch diameter tolerance	l1	l2	l3	ød2	a	Średnica otworu

C4-718M51-0050		M5	0,80	6HX	70	8	25	6,0	4,9	4,20
C4-718M51-0060		M6	1,00	6HX	80	10	30	6,0	4,9	5,00
C4-718M51-0070		M7	1,00	6HX	80	10	30	7,0	5,5	6,00
C4-718M51-0080		M8	1,25	6HX	90	13	35	8,0	6,2	6,80
C4-718M51-0090		M9	1,25	6HX	90	13	35	9,0	7,0	7,80
C4-718M51-0100		M10	1,50	6HX	100	15	39	10,0	8,0	8,50

E-R45-IK-HL DIN-376/DIN-374

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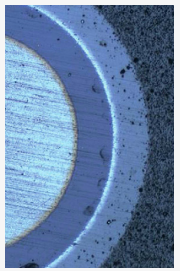
Protection



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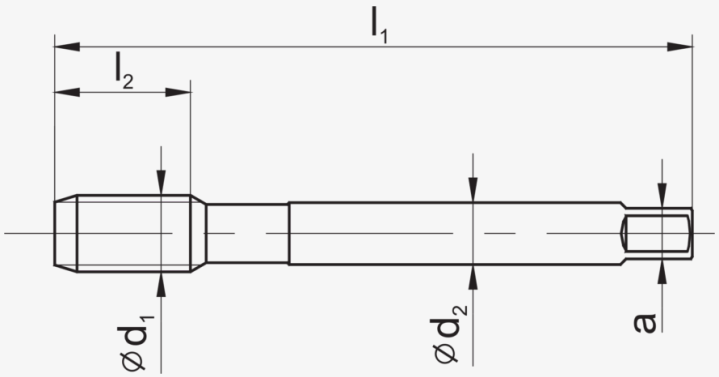
Select thread variant

M

Application

P M K

N S H



Dimensions

Index	Thread direction	ød1	P	Pitch diameter tolerance	l1	l2	ød2	a	Średnica otworu

D4-718M51-0080	RH	M8	1,25	6HX	90	15	6,0	4,9	6,80
D4-718M51-0100	RH	M10	1,50	6HX	100	17	7,0	5,5	8,50
D4-718M51-0120	RH	M12	1,75	6HX	110	18	9,0	7,0	10,20
D4-718M51-0140	RH	M14	2,00	6HX	110	20	11,0	9,0	12,00
D4-718M51-0160	RH	M16	2,00	6HX	110	20	12,0	9,0	14,00
D4-718M51-0180	RH	M18	2,50	6HX	125	25	14,0	11,0	15,50
D4-718M51-0200	RH	M20	2,50	6HX	140	25	16,0	12,0	17,50
D4-718M51-0220	RH	M22	2,50	6HX	140	25	18,0	14,5	19,50

D4-718M51-0240		M24	3,00	6HX	160	30	18,0	14,5	21,00
D4-718M51-0270		M27	3,00	6HX	160	30	20,0	16,0	24,00
D4-718M51-0300		M30	3,50	6HX	180	35	22,0	18,0	26,50
D4-718M51-0330		M33	3,50	6HX	180	35	25,0	20,0	29,50
D4-718M51-0360		M36	4,00	6HX	200	40	28,0	22,0	32,00