

BRS[®]
CUTTING TOOLS





VİDALI TAKIMLAR DIN 352 Takım Kılavuzları

DIN 352 3 Lü Takım Kılavuzları

HSS

DIN
352TS
ISO
82/4

M



6H



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
211011030	M3	0,50	40	11	4
211011035	M3,5	0,60	45	13	4
211011040	M4	0,70	45	13	5
211011050	M5	0,80	50	16	6
211011060	M6	1,00	56	19	6
211011070	M7	1,00	56	19	6
211011080	M8	1,25	63	22	6
211011100	M10	1,50	70	24	7
211011120	M12	1,75	75	28	9
211011140	M14	2,00	80	30	11
211011160	M16	2,00	80	32	12
211011180	M18	2,50	95	34	14
211011200	M20	2,50	95	34	16
211011220	M22	2,50	100	34	18
211011240	M24	3,00	110	38	18
211011260	M26	3,00	110	38	20
211011270	M27	3,00	110	38	20
211011300	M30	3,50	125	45	22
211011330	M33	3,50	125	50	25
211011360	M36	4,00	150	56	28
211011390	M39	4,00	150	60	32
211011420	M42	4,50	150	60	32
211011450	M45	4,50	160	65	36
211011480	M48	5,00	180	70	36
211011520	M52	5,00	180	70	40

VİDALI TAKIMLAR MAKİNE KILAVUZLARI

371/B Eğik Ağız Bileme Takviye Saplı Makine Kılavuzu

HSS-E	DIN 371/B	TS ISO 82/4	M	60°	6H	↻
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Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
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220141030	M3	0,50	56	10	3,5
220141035	M3,5	0,60	56	12	4,5
220141040	M4	0,70	63	14	4,5
220141050	M5	0,80	70	16	6,0
220141060	M6	1,00	80	16	6,0
220141070	M7	1,00	80	16	8,0
220141080	M8	1,25	90	18	8,0
220141100	M10	1,50	100	20	10,0

376/B Eğik Ağız Bileme Takviye Saplı Makine Kılavuzu

HSS-E	DIN 376/B	TS ISO 82/4	M	60°	6H	↻
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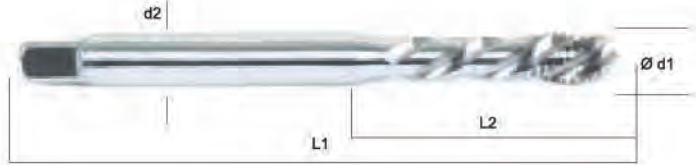


Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
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220171120	M12	1,75	110	24	9
220171140	M14	2,00	110	26	11
220171160	M16	2,00	110	28	12
220171180	M18	2,50	125	30	14
220171200	M20	2,50	140	32	16
220171220	M22	2,50	140	32	18
220171240	M24	3,00	160	34	18
220171270	M27	3,00	160	38	20
220171300	M30	3,50	180	45	22

VİDALI TAKIMLAR MAKİNE KILAVUZLARI

371/C Helis Takviye Saplı Makine Kılavuzu



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220151030	M3	0,50	56	10	4
220151035	M3,5	0,60	56	12	4
220151040	M4	0,70	63	14	5
220151050	M5	0,80	70	16	6
220151060	M6	1,00	80	16	6
220151070	M7	1,00	80	16	8
220151080	M8	1,25	90	18	8
220151100	M10	1,50	100	20	10

376/C Helis İnce Saplı Makine Kılavuzu



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220181120	M12	1,75	110	24	9
220181140	M14	2,00	110	26	11
220181160	M16	2,00	110	28	12
220181180	M18	2,50	125	30	14
220181200	M20	2,50	140	32	16
220181220	M22	2,50	140	32	18
220181240	M24	3,00	160	34	18
220181270	M27	3,00	160	38	20
220181300	M30	3,50	180	45	22

VİDALI TAKIMLAR

MAKİNE KILAVUZLARI TIN KAPLI

371/B Eğik Ağız Bileme Takviye Saplı Makine Kılavuzu

HSS-E

DIN
371/B

TS
ISO
82/4

M



6H



TİN

Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220142030	M3	0,50	56	10	4
220142035	M3,5	0,60	56	12	4
220142040	M4	0,70	63	14	5
220142050	M5	0,80	70	16	6
220142060	M6	1,00	80	16	6
220142070	M7	1,00	80	16	8
220142080	M8	1,25	90	18	8
220142100	M10	1,50	100	20	10

376/B Eğik Ağız Bileme Takviye Saplı Makine Kılavuzu

HSS-E

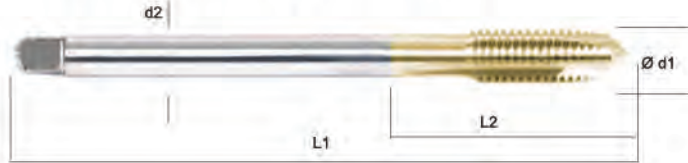
DIN
376/B

TS
ISO
82/4

M



6H



TİN

Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220172120	M12	1,75	110	24	9
220172140	M14	2,00	110	26	11
220172160	M16	2,00	110	28	12
220172180	M18	2,50	125	30	14
220172200	M20	2,50	140	32	16
220172220	M22	2,50	140	32	18
220172240	M24	3,00	160	34	18
220172270	M27	3,00	160	38	20
220172300	M30	3,50	180	45	22

VİDALI TAKIMLAR

MAKİNE KILAVUZLARI TIN KAPLI

371/C Helis Takviye Saplı Makine Kılavuzu

HSS-E | DIN 371/C HELIS | TS ISO 82/4 | R35° | M | 60° | 6H | ↻

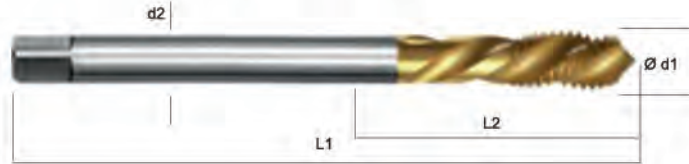


TiN

Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220152030	M3	0,50	56	10	4
220152035	M3,5	0,60	56	12	4
220152040	M4	0,70	63	14	5
220152050	M5	0,80	70	16	6
220152060	M6	1,00	80	16	6
220152070	M7	1,00	80	16	8
220152080	M8	1,25	90	18	8
220152100	M10	1,50	100	20	10

376/C Helis İnce Saplı Makine Kılavuzu

HSS-E | DIN 376/C HELIS | TS ISO 82/4 | R35° | M | 60° | 6H | ↻



TiN

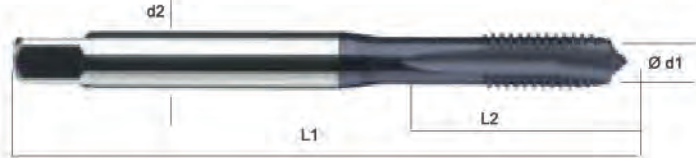
Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220182120	M12	1,75	110	24	9
220182140	M14	2,00	110	26	11
220182160	M16	2,00	110	28	12
220182180	M18	2,50	125	30	14
220182200	M20	2,50	140	32	16
220182220	M22	2,50	140	32	18
220182240	M24	3,00	160	34	18
220182270	M27	3,00	160	38	20
220182300	M30	3,50	180	45	22

VİDALI TAKIMLAR

MAKİNE KILAVUZLARI PM SERİSİ

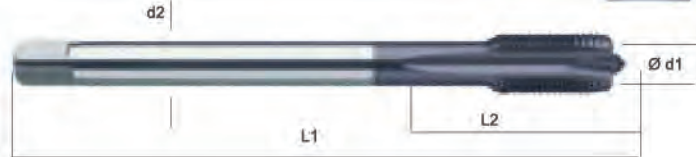
TİSİN

371/B PM Serisi Makine Kılavuzu



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
230434030	M3	0,50	56	10	4
230434035	M3,5	0,60	56	12	4
230434040	M4	0,70	63	14	5
230434050	M5	0,80	70	16	6
230434060	M6	1,00	80	16	6
230434070	M7	1,00	80	16	8
230434080	M8	1,25	90	18	8
230434100	M10	1,50	100	20	10

376/B PM Serisi Makine Kılavuzu



TİSİN

Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
230454120	M12	1,75	110	24	9
230454140	M14	2,00	110	28	11
230454160	M16	2,00	110		12
230454180	M18	2,50	125	30	14
230454200	M20	2,50	140	32	16
230454220	M22	2,50	140	32	18
230454240	M24	3,00	160	34	18
230454270	M27	3,00	160	38	20
230454300	M30	3,50	180	45	22

VİDALI TAKIMLAR

MAKİNE KILAVUZLARI PM SERİSİ

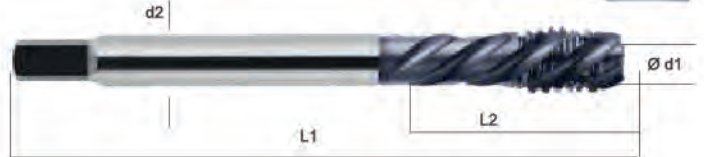
TİSİN

371/C Helis PM Serisi Makine Kılavuzu



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
230444030	M3	0,50	56	10	4
230444035	M3,5	0,60	56	12	4
230444040	M4	0,70	63	14	5
230444050	M5	0,80	70	16	6
230444060	M6	1,00	80	16	6
230444070	M7	1,00	80	16	8
230444080	M8	1,25	90	18	8
230444100	M10	1,50	100	20	10

376/C Helis PM Serisi Makine Kılavuzu



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
230464120	M12	1,75	110	24	9
230464140	M14	2,00	110	28	11
230464160	M16	2,00	110		12
230464180	M18	2,50	125	30	14
230464200	M20	2,50	140	32	16
230464220	M22	2,50	140	32	18
230464240	M24	3,00	160	34	18
230464270	M27	3,00	160	38	20
230464300	M30	3,50	180	45	22

VİDALI TAKIMLAR MAKİNE KILAVUZLARI ALÜMİNYUM SERİSİ

371/B ALM Serisi Makine Kılavuzu - ATLAMALI DİŞ



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220391030	M3	0,50	56	10	4
220391035	M3,5	0,60	56	12	4
220391040	M4	0,70	63	14	5
220391050	M5	0,80	70	16	6
220391060	M6	1,00	80	16	6
220391070	M7	1,00	80	16	8
220391080	M8	1,25	90	18	8
220391100	M10	1,50	100	20	10

376/B ALM Serisi Makine Kılavuzu - ATLAMALI DİŞ



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220401120	M12	1,75	110	24	9
220401140	M14	2,00	110	26	11
220401160	M16	2,00	110	28	12
220401180	M18	2,50	125	30	14
220401200	M20	2,50	140	32	16
220401220	M22	2,50	140	32	18
220401240	M24	3,00	160	34	18
220401270	M27	3,00	160	38	20
220401300	M30	3,50	180	45	22

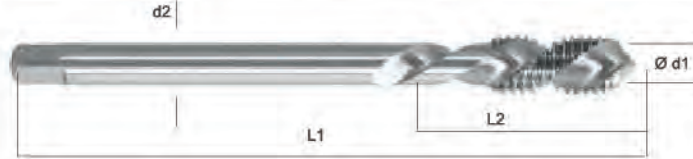
VİDALI TAKIMLAR MAKİNE KILAVUZLARI ALÜMİNYUM SERİSİ

371/C ALM Serisi Makine Kılavuzu - 2 Kanallı Helis



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220411030	M3	0,50	56	10	4
220411035	M3,5	0,60	56	12	4
220411040	M4	0,70	63	14	5
220411050	M5	0,80	70	16	6
220411060	M6	1,00	80	16	6
220411070	M7	1,00	80	16	8
220411080	M8	1,25	90	18	8
220411100	M10	1,50	100	20	10

376/C ALM Serisi Makine Kılavuzu - 2 Kanallı Helis



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220421120	M12	1,75	110	24	9
220421140	M14	2,00	110	26	11
220421160	M16	2,00	110	28	12
220421180	M18	2,50	125	30	14
220421200	M20	2,50	140	32	16
220421220	M22	2,50	140	32	18
220421240	M24	3,00	160	34	18
220421270	M27	3,00	160	38	20
220421300	M30	3,50	180	45	22

VİDALI TAKIMLAR

MAKİNE KILAVUZLARI OVALAMA SERİSİ

DIN 2174 Kanalsız Ovalama Serisi Makine Kılavuzu



TiN

Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
230472030	M3	0,50	56	10	4
230472040	M4	0,60	56	12	4
230472050	M5	0,70	63	14	5
230472060	M6	0,80	70	16	6
230472080	M8	1,00	80	16	6
230472100	M10	1,00	80	16	8

DIN 2174 Kanalsız Ovalama Serisi Makine Kılavuzu



TiN

Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
230492120	M12	1,75	110	24	9
230492140	M14	2,00	110	28	11
230492160	M16	2,00	110		12
230492180	M18	2,50	125	30	14
230492200	M20	2,50	140	32	16

VİDALI TAKIMLAR MAKİNE KILAVUZLARI OVALAMA SERİSİ

DIN 2174 Yağ Kanallı Ovalama Serisi Makine Kılavuzu



TİN

Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
230482030	M3	0,50	56	10	4
230482040	M4	0,60	56	12	4
230482050	M5	0,70	63	14	5
230482060	M6	0,80	70	16	6
230482080	M8	1,00	80	16	6
230482100	M10	1,00	80	16	8

DIN 2174 Yağ Kanallı Ovalama Serisi Makine Kılavuzu



TİN

Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
230502120	M12	1,75	110	24	9
230502140	M14	2,00	110	28	11
230502160	M16	2,00	110		12
230502180	M18	2,50	125	30	14
230502200	M20	2,50	140	32	16

VİDALI TAKIMLAR

MAKİNE KILAVUZLARI DIN 374 İnce Vidalı

374/B İnce Vidalı Makine Kılavuzu

HSS-E

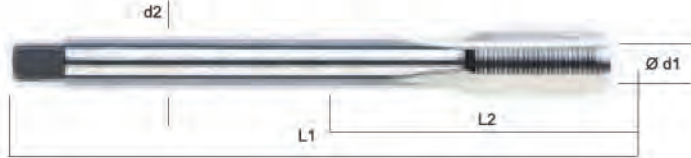
DIN
374/B

TS
ISO
62/6

MF



6H



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220201061	M6	0,75	80	14	5
220201080	M8	0,75	80	22	6
220201081	M8	1,00	90	22	6
220201100	M10	0,75	90	20	7
220201101	M10	1,00	90	20	7
220201102	M10	1,25	90	20	7
220201120	M12	0,75	100	22	9
220201121	M12	1,00	100	22	9
220201122	M12	1,25	100	22	9
220201123	M12	1,50	100	22	9
220201140	M14	1,00	100	22	11
220201141	M14	1,25	100	22	11
220201142	M14	1,50	100	22	11
220201160	M16	1,00	100	22	12
220201161	M16	1,50	100	22	12
220201180	M18	1,00	110	25	14
220201181	M18	1,50	110	25	14
220201182	M18	2,00	110	25	14
220201200	M20	1,00	125	25	16
220201201	M20	1,50	125	25	16
220201202	M20	2,00	125	25	16
220201220	M22	1,00	140	25	18
220201221	M22	1,50	140	25	18
220201222	M22	2,00	140	25	18
220201240	M24	1,00	140	28	18
220201241	M24	1,50	140	28	18
220201242	M24	2,00	140	28	18
220201270	M27	1,50	140	28	20
220201271	M27	2,00	140	28	20
220201280	M28	1,50	140	28	20
220201281	M28	2,00	140	28	20
220201300	M30	1,50	150	28	22
220201301	M30	2,00	150	28	22

VIDALI TAKIMLAR**MAKİNE KILAVUZLARI DIN 374 İnce Vidalı**

374/C Helis İnce Vidalı Makine Kılavuzu

HSS-E

DIN
374/C
HELISTS
ISO
82/5

MF

R35°



6H

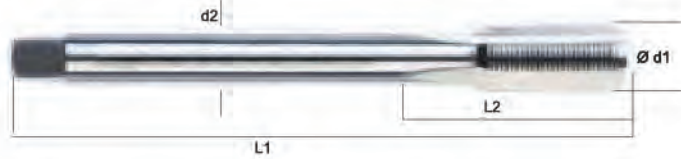


Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220211061	M6	0,75	80	14	5
220211080	M8	0,75	80	22	6
220211081	M8	1,00	90	22	6
220211100	M10	0,75	90	20	7
220211101	M10	1,00	90	20	7
220211102	M10	1,25	90	20	7
220211120	M12	0,75	100	22	9
220211121	M12	1,00	100	22	9
220211122	M12	1,25	100	22	9
220211123	M12	1,50	100	22	9
220211140	M14	1,00	100	22	11
220211141	M14	1,25	100	22	11
220211142	M14	1,50	100	22	11
220211160	M16	1,00	100	22	12
220211161	M16	1,50	100	22	12
220211180	M18	1,00	110	25	14
220211181	M18	1,50	110	25	14
220211182	M18	2,00	110	25	14
220211200	M20	1,00	125	25	16
220211201	M20	1,50	125	25	16
220211202	M20	2,00	125	25	16
220211220	M22	1,00	140	25	18
220211221	M22	1,50	140	25	18
220211223	M22	2,00	140	25	18
220211240	M24	1,00	140	28	18
220211241	M24	1,50	140	28	18
220211242	M24	2,00	140	28	18
220211260	M26	1,00	140	28	18
220211261	M26	1,50	140	28	18
220211262	M26	2,00	140	28	18
220211270	M27	1,50	140	28	20
220211271	M27	2,00	140	28	20
220211280	M28	1,50	140	28	20
220211281	M28	2,00	140	28	20
220211300	M30	1,50	150	28	22
220211301	M30	2,00	150	28	22

VİDALI TAKIMLAR

MAKİNE KILAVUZLARI DIN 5156 Boru Vidalı

5156/B Boru Vidalı İnce Şaftlı Makine Kılavuzu Düz Kanallı



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220321018	1/8"	28,00	90	12	7
220321014	1/4"	19,00	100	16	11
220321038	3/8"	19,00	100	18	12
220321012	1/2"	14,00	125	22	16
220321034	3/4"	14,00	140	23	20
220321100	1"	11,00	160	28	25

5156/C Boru Vidalı İnce Şaftlı Makine Kılavuzu Helis Kanallı



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220331018	1/8"	28,00	90	12	7
220331014	1/4"	19,00	100	16	11
220331038	3/8"	19,00	100	18	12
220331012	1/2"	14,00	125	22	16
220331034	3/4"	14,00	140	23	20
220331100	1"	11,00	160	28	25

VİDALI TAKIMLAR

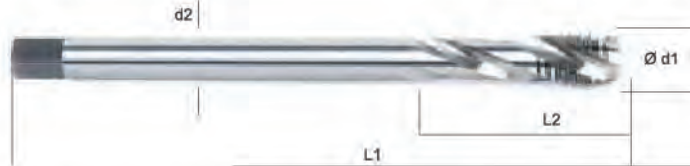
MAKİNE KILAVUZLARI DIN 2183 Whitworth Vidalı

2183/B Whitworth İnce Şaftlı Makine Kılavuzu Düz Kanallı



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220291014	1/4"	20,00	80	17	4,5
220291516	5/16"	18,00	90	20	6
220291038	3/8"	16,00	100	22	7
220291716	7/16"	14,00	100	22	8
220291012	1/2"	12,00	110	25	9
220291916	9/16"	12,00	110	25	11
220291058	5/8"	11,00	110	27	12
220291034	3/4"	10,00	125	30	14
220291078	7/8"	9,00	140	32	18
220291100	1"	8,00	160	36	20

2183/C Whitworth İnce Şaftlı Makine Kılavuzu Helis Kanallı



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220301014	1/4"	20,00	80	17	6
220301516	5/16"	18,00	90	20	6
220301038	3/8"	16,00	100	22	8
220301716	7/16"	14,00	100	22	6
220301012	1/2"	12,00	110	25	7
220301916	9/16"	12,00	110	25	9
220301058	5/8"	11,00	110	27	9
220301034	3/4"	10,00	125	30	11
220301078	7/8"	9,00	140	32	15
220301100	1"	8,00	160	36	15

VİDALI TAKIMLAR

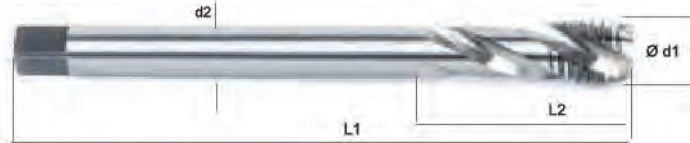
MAKİNE KILAVUZLARI DIN 2183 UNC Vidalı

2183/B UNC İnce Şaftlı Makine Kılavuzu Düz Kanallı



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220231014	1/4"	20,00	80	17	6
220231516	5/16"	18,00	90	20	6
220231038	3/8"	16,00	100	22	8
220231716	7/16"	14,00	100	22	6
220231012	1/2"	13,00	110	25	7
220231916	9/16"	12,00	110	25	9
220231058	5/8"	11,00	110	27	9
220231034	3/4"	10,00	125	30	11
220231078	7/8"	9,00	140	32	15
220231100	1"	8,00	160	36	15

2183/C Helis UNC İnce Şaftlı Makine Kılavuzu Düz Kanallı



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
220241014	1/4"	20,00	80	17	6
220241516	5/16"	18,00	90	20	6
220241038	3/8"	16,00	100	22	8
220241716	7/16"	14,00	100	22	6
220241012	1/2"	13,00	110	25	7
220241916	9/16"	12,00	110	25	9
220241058	5/8"	11,00	110	27	9
220241034	3/4"	10,00	125	30	11
220241078	7/8"	9,00	140	32	15
220241100	1"	8,00	160	36	15

VİDALI TAKIMLAR

MAKİNE KILAVUZLARI DIN 2183 UNF İnce Vidalı

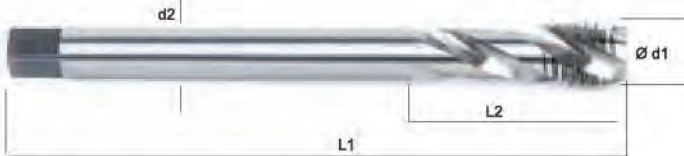
2183/B UNF İnce Vidalı Makine Kılavuzu Düz Kanallı



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
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220261014	1/4"	28,00	50	16	6
220261516	5/16"	24,00	56	22	6
220261038	3/8"	24,00	63	20	7
220261716	7/16"	20,00	63	20	8
220261012	1/2"	20,00	70	22	9
220261916	9/16"	18,00	70	22	11
220261058	5/8"	18,00	70	22	12
220261034	3/4"	16,00	80	22	14
220261078	7/8"	14,00	80	22	18
220261100	1"	12,00	90	22	18

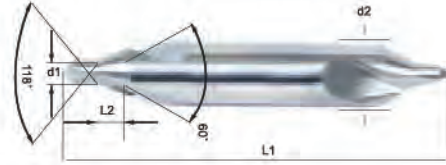
2183/C Helix UNF İnce Vidalı Makine Kılavuzu Düz Kanallı



Ürün kodu	d1 mm	P mm	L1 mm	L2 mm	d2 mm
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220271014	1/4"	28,00	50	16	6
220271516	5/16"	24,00	56	22	6
220271038	3/8"	24,00	63	20	7
220271716	7/16"	20,00	63	20	8
220271012	1/2"	20,00	70	22	9
220271916	9/16"	18,00	70	22	11
220271058	5/8"	18,00	70	22	12
220271034	3/4"	16,00	80	22	14
220271078	7/8"	14,00	80	22	18
220271100	1"	12,00	90	22	18

DELİCİ TAKIMLAR MATKAP UÇLARI 333/ Punta Matkabi-FORM-A PUNTA SERİ



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm
110121010	1,0	3,2	31,5	1,3
110121012	1,25	3,2	31,5	1,6
110121016	1,6	4,0	35,5	2,00
110121020	2,0	5,0	40	2,5
110121025	2,5	6,3	45	3,1
110121031	3,15	8,0	50	3,9
110121040	4,0	10,0	56	5,00
110121050	5,0	12,5	63	6,3
110121063	6,3	16,0	71	8,00
110121080	8,0	20,0	80	10,1
110121100	10,0	25,0	100	12,8

Punta Matkabi Uzun

Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm
110131020	2,0	5,0	100	2,5
110131025	2,5	6,3	100	3,1
110131031	3,15	8,0	100	3,9
110131040	4,0	10,0	100	5,0
110131050	5,0	12,5	100	6,3

Punta Matkabi DIN 333 FORM-B

Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm
110141020	2,0	8,0	50	2,5
110141025	2,5	10,0	56	3,1
110141031	3,15	11,2	60	3,9
110141040	4,0	14,0	67	5,00
110141050	5,0	18,0	75	6,3
110141063	6,3	20,0	80	8,00
110141080	8,0	25,0	100	10,1
110141100	10,0	31,5	100	12,8

DELİCİ TAKIMLAR HAVŞA FREZELER



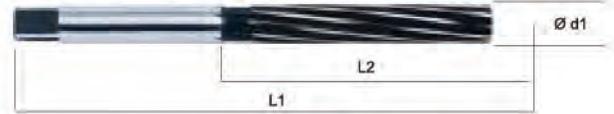
Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm
110171063	6.3	5	1.5	45	5
110171083	8.3	6	2	50	6
110171104	10.4	6	2.5	50	7.1
110171124	12.4	8	2.8	56	8
110171165	16.5	10	3.2	60	10
110171205	20.5	10	3.5	63	12.5
110171250	25.0	10	3.8	67	15
110171315	31.5	18	4.2	71	18



TiN

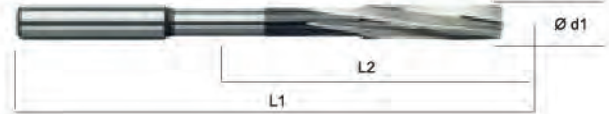
Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm
110172063	6.3	5	1.5	45	5
110172083	8.3	6	2	50	6
110172104	10.4	6	2.5	50	7.1
110172124	12.4	8	2.8	56	8
110172165	16.5	10	3.2	60	10
110172205	20.5	10	3.5	63	12.5
110172250	25.0	10	3.8	67	15
110172315	31.5	18	4.2	71	18

DELİCİ TAKIMLAR RAYBALAR 206 EL RAYBASI

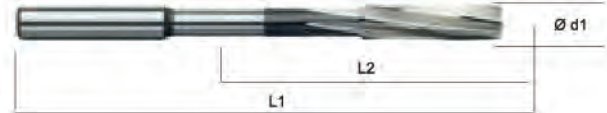


Ürün kodu	d1 mm	K	L1 mm	L2 mm
110181030	3,0	2,24	50	25
110181035	3,5	2,70	58	29
110181040	4,0	3,15	62	31
110181045	4,5	3,55	71	35
110181050	5,0	4,00	76	38
110181055	5,5	4,50	81	41
110181060	6,0	4,50	87	44
110181065	6,5	5,00	93	47
110181070	7,0	5,60	93	47
110181075	7,5	5,60	100	50
110181080	8,0	6,30	107	54
110181085	8,5	6,30	107	54
110181090	9,0	7,10	115	58
110181095	9,5	7,10	115	58
110181100	10,0	8,00	124	62
110181105	10,5	8,00	124	62
110181110	11,0	9,00	133	66
110181115	11,5	9,00	133	66
110181120	12,0	10,00	142	71
110181125	12,5	10,00	142	71
110181130	13,0	10,00	152	76
110181135	13,5	11,20	152	76
110181140	14,0	11,20	152	76
110181145	14,5	11,20	163	81
110181150	15,0	11,20	163	81
110181155	15,5	12,50	163	81
110181160	16,0	12,50	163	81
110181165	16,5	12,50	175	87
110181170	17,0	12,50	175	87
110181175	17,5	14,00	175	87
110181180	18,0	14,00	175	87
110181185	18,5	14,00	188	93
110181190	19,0	14,00	188	93
110181195	19,5	16,00	188	93
110181200	20,0	16,00	188	93
110181210	21,0	16,00	201	100
110181220	22,0	18,00	201	100
110181230	23,0	18,00	201	100
110181240	24,0	20,00	215	107
110181250	25,0	20,00	215	107
110181260	26,0	20,00	231	115
110181270	27,0	22,40	231	115
110181280	28,0	22,40	231	115
110181290	29,0	22,40	247	124
110181300	30,0	22,40	247	124

DELİCİ TAKIMLAR RAYBALAR 212 MAKİNA RAYBASI



Ürün kodu	d1 mm	K	L1 mm	L2 mm
110191030	3,0	2,24	50	25
110191040	4,0	2,70	58	29
110191050	5,0	3,15	62	31
110191060	6,0	3,55	71	35
110191070	7,0	4,00	76	38
110191080	8,0	4,50	81	41
110191100	10,0	4,50	87	44
110191120	12,0	5,00	93	47
110191140	14,0	5,60	93	47
110191160	16,0	5,60	100	50
110191180	18,0	6,30	107	54
110191200	20,0	6,30	107	54



Ürün kodu	d1 mm	K	L1 mm	L2 mm
120191030	3,0	15,00	61	15
120191040	4,0	19,00	75	19
120191050	5,0	23,00	86	23
120191060	6,0	26,00	93	26
120191070	7,0	31,00	109	31
120191080	8,0	33,00	117	33
120191100	10,0	38,00	133	38
120191120	12,0	44,00	151	44
120191140	14,0	47,00	160	47
120191160	16,0	52,00	170	52
120191180	18,0	56,00	182	56
120191200	20,0	60,00	195	60

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