

МЕТАЛЛОРЕЖУЩИЙ ИНСТРУМЕНТ



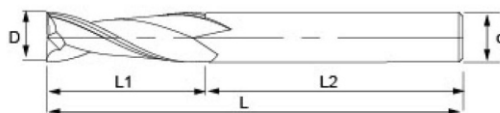
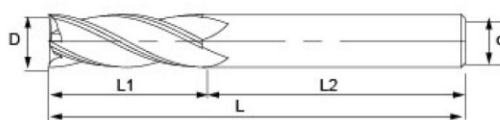
MTB tool
WE GIVE YOU THE BEST

Твердосплавные фрезы



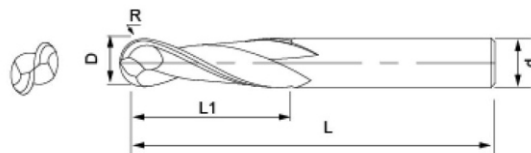
WWW.MTB-TOOL.RU

Фрезы GBE



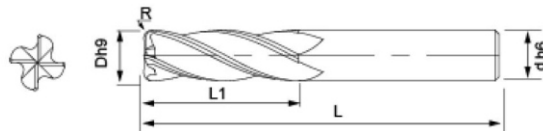
Артикул	Размеры					Z
	D	L1	L2	L	d	
GEM00505050	0.5	1	5	50	4	2
GEM00606050	0.6	1.2	6	50	4	2
GEM00608050	0.6	1.2	8	50	4	2
GEM00808050	0.8	2	8	50	4	2
GEM01003060	1	3		60	4	2
GEM01006060	1	3	6	60	4	2
GEM01010060	1	3	10	60	4	2
GEM01015060	1	3	15	60	4	2
GEM01020060	1	3	20	60	4	2
GEM01504060	1.5	4.0		60	4	4
GEM01510060	1.5	4.0	10	60	4	4
GEM01510060	1.5	4.0	15	60	4	4
GEM01520080	1.5	4.0	20	80	4	4
GEM01525080	1.5	4.0	25	80	4	4
GEM02006060	2	6		60	4	4
GEM02010060	2	6	10	80	4	4
GEM02012060	2	6	12	60	4	4
GEM02015060	2	6	15	60	4	4
GEM02020060	2	6	20	60	4	4
GEM02025060	2	6	25	60	4	4
GEM02020080	2	6	20	80	4	4
GEM02025080	2	6	25	80	4	4
GEM02030080	2	6	30	80	4	4
GEM03009050	3	9		50	4	4
GEM03020080	3	9	20	80	4	4
GEM03025080	3	9	25	80	4	4
GEM03030080	3	9	30	80	4	4
GEM04012050	4	12		50	4	4
GEM04020060	4	10	20	60	4	4
GEM04025060	4	10	25	60	4	4
GEM04020080	4	10	20	80	4	4
GEM04025080	4	10	25	80	4	4
GEM06030080	6	18	30	80	6	4
GEM06040110	6	18	40	110	6	4
GEM06050150	6	18	50	150	6	4
GEM08040110	8	20	40	110	8	4
GEM08050150	8	20	50	150	8	4
GEM10040110	10	30	40	110	10	4
GEM10050150	10	30	50	150	10	4
GEM12050108	10	30	50	108	12	4
GEM12050150	10	30	60	150	12	4

Фрезы GBM



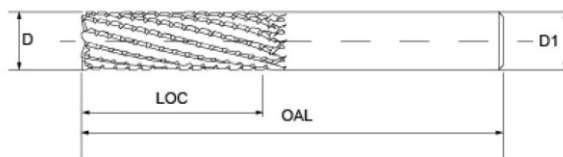
Артикул	Размеры					Z
	RxD	L1 1,2	L2	L	d	
GBM 00505050	R0.25X0.5	1.2	5	50	4	2
GBM 00510050	R0.25X0.5	1.5	10	50	4	2
GBM 00606050	R0.3X0.6	1.5	6	50	4	2
GBM 00608050	R0.3X0.6	1.5	8	50	4	2
GBM 00610050	R0.3X0.6	1.5	10	50	4	2
GBM 00615050	R0.3X0.6	3	15	50	4	2
GBM 01003060	R0.5X1	2.5		60	4	2
GBM 01006060	R0.5X1	2.5	6	60	4	2
GBM 01008060	R0.5X1	2.5	8	60	4	2
GBM 01010060	R0.5X1	2.5	10	60	4	2
GBM 01015060	R0.5X1	2.5	15	60	4	2
GBM 01020060	R0.5X1	2.5	20	60	4	2
GBM 01015080	R0.5X1	2.5	15	80	4	2
GBM 01020080	R0.5X1	2.5	20	80	4	2
GBM 01025080	R0.5X1	4	25	80	4	2
GBM 01508060	R0.75X1.5	4	8	60	4	2
GBM 01512060	R0.75X1.5	4	12	60	4	2
GBM 01515060	R0.75X1.5	4	15	60	4	2
GBM 01520060	R0.75X1.5	4	20	60	4	2
GBM 01525080	R0.75X1.5	4	25	80	4	2
GBM 01530080	R0.75X1.5	5	30	80	4	2
GBM 02005060	R1X2	5		60	4	2
GBM 02008060	R1X2	5	8	60	4	2
GBM 02010060	R1X2	5	10	60	4	2
GBM 02015060	R1X2	5	15	60	4	2
GBM 02020060	R1X2	5	20	60	4	2
GBM 02016080	R1X2	5	26	80	4	2
GBM 02020080	R1X2	5	20	80	4	2
GBM 02025080	R1X2	5	25	80	4	2
GBM 02030080	R1X2	8	30	80	4	2
GBM 03009080	R1.5X3	7.5		60	4	2
GBM 03020080	R1.5X3	7.5	20	80	4	2
GBM 03020080	R1.5X3	7.5	25	80	4	2
GBM 03030100	R1.5X3	10	30	100	4	2
GBM 04010050	R2X4	10		50	4	2
GBM 04020080	R2X4	10	20	80	4	2
GBM 04030080	R2X4	10	30	80	4	2
GBM 04030100	R2X4	15	30	100	4	2
GBM 06030080	R3X6	15	30	80	6	2
GBM 06040110	R3X6	15	40	110	6	4
GBM 06050150	R3X6	20	50	150	6	4
GBM 08040110	R4X8	20	40	110	8	4
GBM 08040150	R4X8	25	50	150	8	4
GBM 10040110	R5X10	25	40	110	10	4
GBM 10050150	R5X10	30	50	150	10	4
GBM 12050110	R6X12	30	50	110	12	4
GBM 12060150	R6X12		60	150	12	4

Фрезы GRM



Артикул	Размеры					Z
	RxD	L1	L2	L	d	
GRM000500507050	0.5xR0.05	1	7	50	4	2
GRM000500510050	0.5xR0.05	1	10	50	4	2
GRM000800506050	0.8xR0.05	2	6	50	4	2
GRM000800508050	0.8xR0.05	2	8	50	4	2
GRM0100112050	1xR0.1	2.5	12	50	4	2
GRM0100210050	1xR0.2	2.5	10	50	4	2
GRM0150210050	1.5xR0.2	3	10	50	4	4
GRM0200115050	2xR0.1	5	15	50	4	4
GRM0200210060	2xR0.2	5	10	60	4	4
GRM0200215060	2xR0.2	5	15	60	4	4
GRM0200220080	2xR0.2	5	20	80	4	4
GRM0200225080	2xR0.2	5	25	80	4	4
GRM0300118050	3xR0.1	8	18	50	4	4
GRM0300220080	3xR0.2	8	20	80	4	4
GRM0300225080	3xR0.2	8	25	80	4	4
GRM0300230080	3xR0.2	8	30	80	4	4
GRM0400212050	4xR0.2	12		50	4	4
GRM0400216060	4xR0.2	10	16	60	4	4
GRM0400312050	4xR0.3	12		60	4	4
GRM0400220080	4xR0.2	10	20	80	4	4
GRM0400225080	4xR0.2	10	25	80	4	4
GRM0400230080	4xR0.2	10	30	80	4	4
GRM0400520080	4xR0.5	10	20	80	4	4
GRM0400530080	4xR0.5	10	30	80	4	4
GRM0400530080	4xR0.5	10	30	100	4	4
GRM0600230080	6xR0.2	15	30	80	6	4
GRM0600330080	6xR0.3	15	30	80	6	4
GRM0600530080	6xR0.5	15	30	80	6	4
GRM0600540110	6xR0.5	15	40	110	6	4
GRM0600550150	6xR0.5	15	50	150	6	4
GRM0800540110	8xR0.5	20	40	110	8	4
GRM0800550150	8xR0.5	20	50	150	8	4
GRM1000540110	10xR0.5	25	40	110	10	4
GRM1000540150	10xR0.5	25	60	150	10	4
GRM1200540110	12xR0.5	30	50	110	12	4
GRM1200560150	12xR0.5	30	60	150	12	4

Твердосплавная фреза для работ по углепластику



Фреза с PVD покрытием для финишной обработки

Наименование

EDP				Размер		D1	LOC	OAL
тип1	тип2	тип3	тип4	Дробный	Десятичный			
GRT5P1AF0125	GRT5P1AG0125	GRT5P1AH0125	GRT5P1AI0125	1/8	.1250	1/8	1/2	3
GRT5P1AF0250	GRT5P1AG0250	GRT5P1AH0250	GRT5P1AI0250	1/4	.2500	1/4	1	3
GRT5P1AF0375	GRT5P1AG0375	GRT5P1AH0375	GRT5P1AI0375	3/8	.3750	3/8	1	3
GRT5P1AF0500	GRT5P1AG0500	GRT5P1AH0500	GRT5P1AI0500	1/2	.5000	1/2	1-1/2	4

Наименование

EDP				D	D1	LOC	OAL
тип1	тип2	тип3	тип4				
GRT5P2AF0300	GRT5P2AG0300	GRT5P2AH0300	GRT5P2AI0300	3	3	9	50
GRT5P2AF0600	GRT5P2AG060G	GRT5P2AH0600	GRT5P2AI0600	6	6	18	65
GRT5P2AF0800	GRT5P2AG0800	GRT5P2AH0800	GRT5P2AI0800	8	8	24	70
GRT5P2AF1000	GRT5P2AG1000	GRT5P2AH1000	GRT5P2AI1000	10	10	30	80
GRT5P2AF1200	GRT5P2AG1200	GRT5P2AH1200	GRT5P2AI1200	12	12	30	100

Твердосплавная фреза для работ по углепластику



Фреза с PVD покрытием для финишной обработки

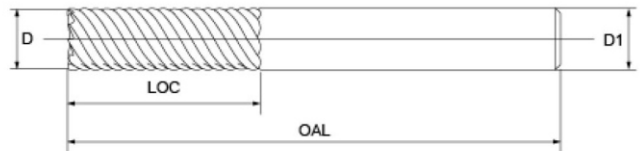
Наименование

EDP		Размер		D1	LOC	OAL
тип1	тип2	Дробный	Десятичный			
GRT5P1AN0250	GRT5P1A00250	1/4	.2500	1/4	1	3
GRT5P1AN0375	GRT5P1A00375	3/8	.3700	3/8	1	3
GRT5P1AN0500	GRT5P1A00500	1/2	.5000	1/2	1-1/2	4

Наименование

EDP		D	D1	LOC	OAL
тип1	тип2				
GRT5P2AN0600	GRT5P2A00600	6	6	18	65
GRT5P2AN0800	GRT5P2A00800	8	8	24	70
GRT5P2AN1000	GRT5P2A01000	10	10	30	80
GRT5P2AN1200	GRT5P2A01200	12	12	36	100

Твердосплавная фреза для работ по углепластику



Фреза с PVD покрытием для финишной обработки

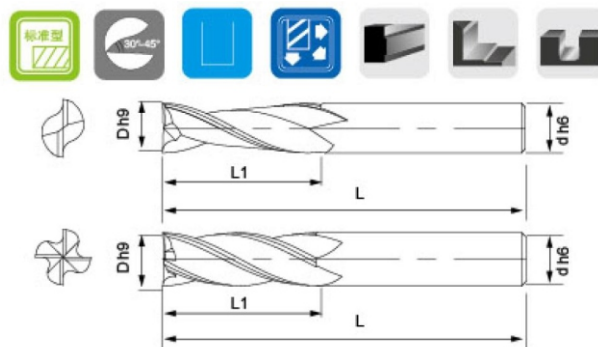
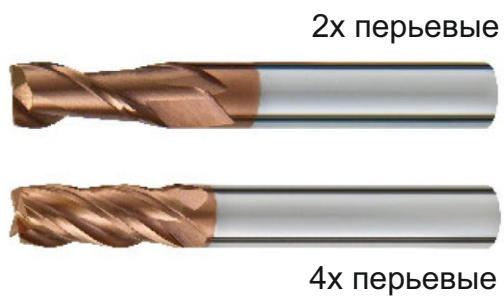
Наименование

EDP	Размер D		D1	LOC	OAL
	Дробный	Десятичный			
GRT5A1AR0250	1/4	.2500	1/4	1	3
GRT5A1AR0375	3/8	.3700	3/8	1	3
GRT5A1AR0500	1/2	.5000	1/2	1-1/2	4

Наименование

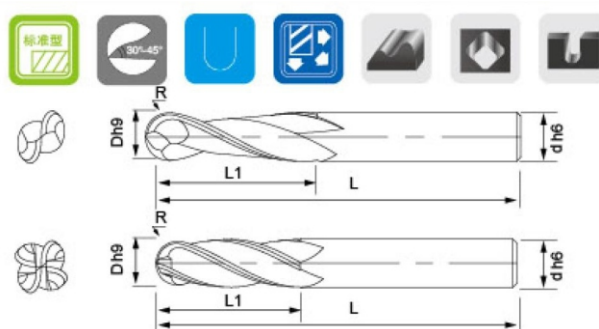
EDP	Размер D	D1	LOC	OAL
GRT5A2AR0600	6	6	18	65
GRT5A2AR0800	8	8	24	70
GRT5A2AR1000	10	10	30	80
GRT5A2AR1200	12	12	36	100

Твердосплавные фрезы GWN



Артикул	Dh9	L1	dh6	L
GWN04D0010	1.0	3	4	50
GWN04D0015	1.5	4	4	50
GWN04D0020	2.0	6	4	50
GWN04D0025	2.5	8	4	50
GWN04D0030	3.0	8	4	50
GWN04D0035	3.5	11	4	50
GWN04D0040	4.0	11	4	50
GWN06D0010	1.0	3	6	50
GWN06D0015	1.5	4	6	50
GWN06D0020	2.0	6	6	50
GWN06D0025	2.5	8	6	50
GWN05D0030	3.0	8	6	50
GWN06D0035	3.5	11	6	50

Артикул	Dh9	L1	dh6	L
GWN06D0040	4.0	11	6	50
GWN06D0045	4.6	13	6	50
GWN06D0050	5.0	13	6	50
GWN06D0060	6.0	15	6	50
GWN08D0070	7.0	20	8	60
GWN08D0080	8.0	20	8	60
GWN10D0090	9.0	25	10	75
GWN10D0100	10.0	25	10	75
GWN12D0120	12.0	30	12	75
GWN14D0140	14.0	45	14	100
GWN16D0160	16.0	45	16	100
GWN18D0180	18.0	45	18	100
GWN20D0200	20.0	45	20	100



Артикул	Dh9	L1	dh6	L
GWN04D0010	R0.5	2	4	50
GWN04D0015	R0.75	3	4	50
GWN04D0020	R1	4	4	50
GWN04D0025	R1.25	5	4	50
GWN03D0030	R1.5	6	3	50
GWN04D0030	R1.5	6	4	50
GWN04D0040	R2	7	4	50
GWN06D0010	R0.5	2	6	50
GWN06D0015	R0.75	3	6	50
GWN06D0020	R1	4	6	50
GWN06D0025	R1.25	5	6	50

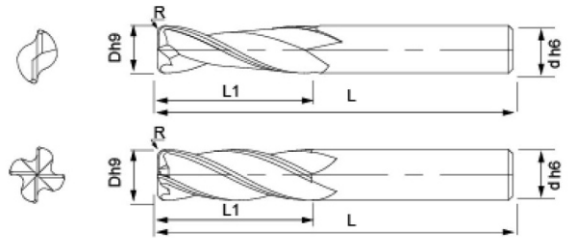
Артикул	Dh9	L1	dh6	L
GWN06D0030	R1.5	6	6	50
GWN06D0040	R2	8	6	50
GWN05D0050	R2.5	10	5	50
GWN06D0050	R2.5	10	6	50
GWN06D0060	R3	12	6	50
GWN08D0080	R4	16	8	60
GWN10D0100	R5	20	10	75
GWN12D0120	R6	25	12	75
GWN16D0160	R8	30	16	100
GWN20D0200	R10	30	20	100

Твердосплавные фрезы GWN

2x перьевые



4x перьевые



Артикул	Dh9	R	L1	dh6	L
GW04D0020R05	2.0	R0.5	4	4	50
GW04D0030R05	3.0	R0.5	5	4	50
GW04D0040R05	4.0	R0.5	8	4	50
GW04D0040R10	4.0	R1	8	4	50
GW06D0060R05	6.0	R0.5	12	6	50
GW06D0060R10	6.0	R1	12	6	50
GW08D0080R05	8.0	R0.5	16	8	60
GW08D0080R10	8.0	R1	16	8	60

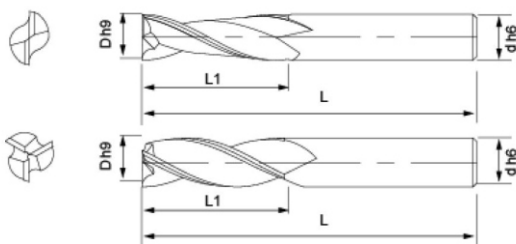
Артикул	Dh9	R	L1	dh6	L
GW08D0080R15	8.0	R1.5	16	8	60
GW10D0100R05	10.0	R0.5	20	10	75
GW10D0100R10	10.0	R1	20	10	75
GW10D0100R15	10.0	R1.5	20	10	75
GW120D120R05	12.0	R0.5	24	12	75
GW120D120R10	12.0	R1	24	12	75
GW120D120R15	12.0	R1.5	24	12	75
GW120D120R20	12.0	R2	24	12	75

GALU фрезы твердосплавные по алюминию

2x перьевые



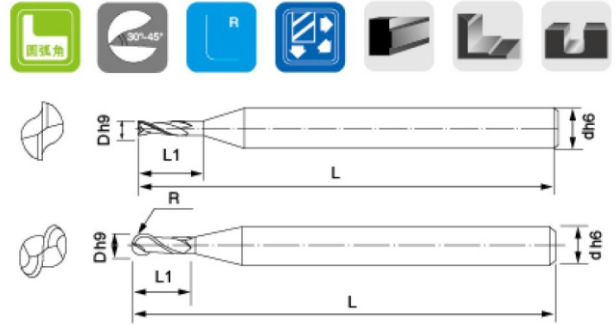
4x перьевые



Артикул	Dh9	L1	dh6	L
GW04D0010	1.0	3	4	50
GW04D0015	1.5	4	4	50
GW04D0020	2.0	6	4	50
GW04D0026	2.5	8	4	50
GW04D0030	3.0	8	4	50
GW04D0040	4.0	11	4	50
GW06D0050	5.0	13	6	50
GW06D0060	6.0	15	6	50

Артикул	Dh9	L1	dh6	L
GW08D0080	8.0	20	8	60
GW10D0100	10.0	25	10	75
GW12D0120	12.0	30	12	75
GW14D0140	14.0	45	14	100
GW16D0160	16.0	45	16	100
GW18D0180	18.0	45	18	100
GW20D0200	20.0	45	20	100

Серия микро фрез GM



Артикул	Dh9	L1	dh6	L
GM04D0002	0.2	0.4	4	50
GM04D0003	0.3	0.6	4	50
GM04D0004	0.4	0.8	4	50
GM04D0005	0.5	1.0	4	50
GM04D0006	0.6	1.2	4	50
GM04D0007	0.7	1.4	4	50
GM04D0008	0.8	1.6	4	50
GM04D0009	0.9	1.8	4	50

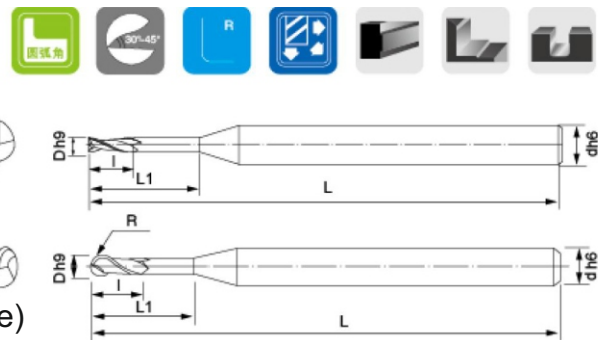
Артикул	R	L1	dh6	L
GM03D0002	0.1	0.4	4	50
GM03D0003	0.15	0.6	4	50
GM03D0004	0.2	0.8	4	50
GM03D0005	0.25	1.0	4	50
GM03D0006	0.3	1.2	4	50
GM03D0007	0.35	1.4	4	50
GM03D0008	0.4	1.6	4	50
GM03D0009	0.45	1.8	4	50

Серия микро фрез GMR

2x перьевые 90°



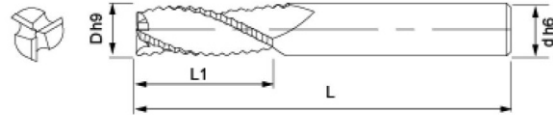
2x перьевые R(радиусные)



Артикул	R	L1	I	dh6	L
GMR04D0002	0.2	1	0.4	4	50
GMR04D0003	0.3	1.5	0.6	4	50
GMR04D0004	0.4	2	0.8	4	50
GMR04D0005	0.5	2.5	1.0	4	50
GMR04D0006	0.6	3	1.2	4	50
GMR04D0007	0.7	3.5	1.4	4	50
GMR04D0008	0.8	4	1.6	4	50
GMR04D0009	0.9	4.5	1.8	4	50

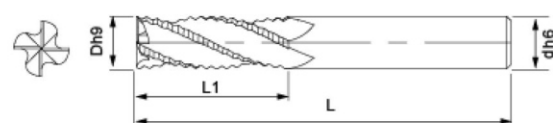
Артикул	R	L1	I	dh6	L
GMR03D0002	0.1	1	0.4	3	50
GMR03D0003	0.15	1.5	0.6	3	50
GMR03D0004	0.2	2	0.8	3	50
GMR03D0005	0.25	2.5	1.0	3	50
GMR03D0006	0.3	3	1.2	3	50
GMR03D0007	0.35	3.5	1.4	3	50
GMR03D0008	0.4	4	1.6	3	50
GMR03D0009	0.45	4.5	1.8	3	50

Фреза для обработки алюминия



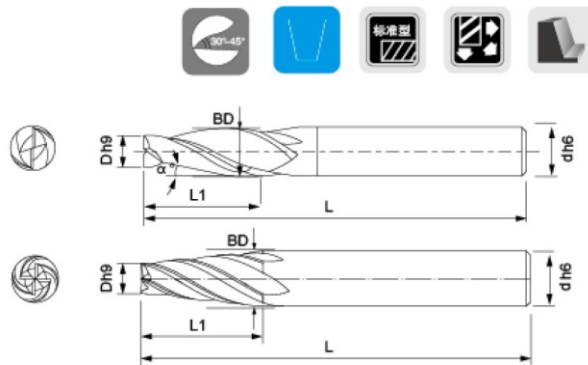
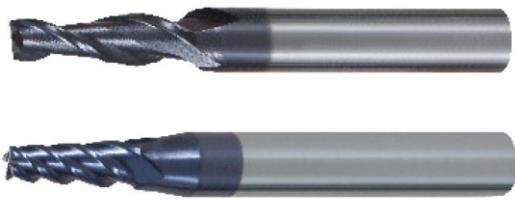
Артикул	Dh9	L1	dh6	L
GWA04D0002	4	10	4	50
GWA04D0003	5	13	6	50
GWA04D0004	6	16	6	50
GWA04D0005	8	20	8	60
GWA04D0006	10	25	10	75
GWA04D0007	12	30	12	75
GWA04D0008	16	45	16	100
GWA04D0009	20	45	20	100

Фреза для грубой черновой обработки



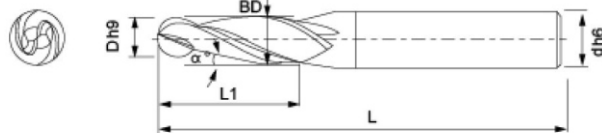
Артикул	Dh9	L1	dh6	L
GWS04D0002	4	10	4	50
GWS04D0003	5	13	6	50
GWS04D0004	6	16	6	50
GWS04D0005	8	20	8	60
GWS04D0006	10	25	10	75
GWS04D0007	12	30	12	75
GWS04D0008	16	45	16	100
GWS04D0009	20	45	20	100

Профильная фреза



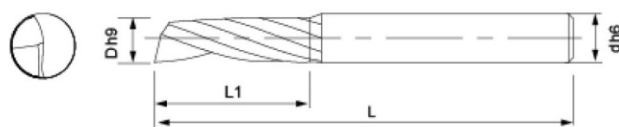
Артикул	Dh9	α°	L1	BD	dh6	L
GW04D0030T005	3.0	0.5°	10	3.17	4	50
GW04D0030T010	3.0	1.0°	10	3.35	4	50
GW04D0030T015	3.0	1.5°	10	3.52	4	50
GW04D0030T020	3.0	2.0°	10	3.07	4	50
GW04D0030T030	3.0	3.0°	10	4.05	6	50
GW04D0030T040	3.0	4.0°	10	4.05	6	50
GW04D0030T050	3.0	5.0°	10	4.75	6	50
GW06D0040T005	4.0	0.5°	15	4.26	6	50
GW06D0040T010	4.0	1.0°	15	4.52	6	50
GW06D0040T015	4.0	1.5°	15	4.79	6	50
GW06D0040T020	4.0	2.0°	15	5.05	6	50
GW06D0040T030	4.0	3.0°	15	5.57	6	50
GW08D0040T040	4.0	4.0°	15	5.57	8	60
GW08D0040T050	4.0	5.0°	15	6.62	8	60
GW06D0050T005	5.0	0.5°	20	5.35	6	60
GW06D0050T010	5.0	1.0°	20	5.70	6	60
GW08D0050T015	5.0	1.5°	20	6.05	8	60
GW08D0050T020	5.0	2.0°	20	6.40	8	60
GW08D0050T030	5.0	3.0°	20	7.10	8	60
GW10D0050T040	5.0	4.0°	20	7.10	10	60
GW10D0050T050	5.0	5.0°	20	8.50	10	60
GW08D0060T005	6.0	0.5°	20	6.35	8	60
GW08D0060T010	6.0	1.0°	20	6.70	8	60
GW08D0060T015	6.0	1.5°	20	7.05	8	60
GW08D0060T020	6.0	2.0°	20	7.40	8	60
GW10D0060T030	6.0	3.0°	20	8.10	10	75
GW10D0060T040	6.0	4.0°	20	8.10	10	75
GW10D0060T050	6.0	5.0°	20	9.50	10	75
GW10D0080T005	8.0	0.5°	25	8.44	10	75
GW10D0080T010	8.0	1.0°	25	8.87	10	75
GW10D0080T015	8.0	1.5°	25	9.31	10	75
GW10D0080T020	8.0	2.0°	25	9.75	10	75
GW12D0080T030	8.0	3.0°	25	10.62	12	75
GW12D0080T040	8.0	4.0°	25	10.62	12	75
GW12D0080T050	8.0	5.0°	25	12.37	12	75
GW12D0100T005	10.0	0.5°	25	10.61	12	100
GW12D0100T010	10.0	1.0°	35	11.22	12	100
GW12D0100T015	10.0	1.5°	35	11.83	12	100
GW12D0100T020	10.0	2.0°	35	12.44	12	100
GW12D0100T030	10.0	3.0°	35	13.67	12	100
GW16D0100T040	10.0	4.0°	35	13.67	16	100
GW16D0100T050	10.0	5.0°	34.2	16.00	16	100

Радиусная фреза GW



Артикул	Dh9	α°	L1	BD	dh6	L
GW04D0030T05	R1.5	0.5°	20	3.32	4	60
GW04D0030T10	R1.5	1.0°	20	3.65	4	60
GW04D0030T15	R1.5	1.5°	20	3.97	4	60
GW04D0030T20	R1.5	2.0°	20	4.29	4	60
GW06D0030T30	R1.5	3.0°	20	4.94	6	60
GW06D0030T40	R1.5	4.0°	20	5.60	6	60
GW06D0030T50	R1.5	5.0°	20	6.25	6	60
GW06D0040T05	R2.0	0.5°	25	4.40	6	75
GW06D0040T10	R2.0	1.0°	25	4.80	6	75
GW06D0040T15	R2.0	1.5°	25	5.21	6	75
GW06D0040T20	R2.0	2.0°	25	5.61	6	75
GW06D0040T30	R2.0	3.0°	25	6.42	6	75
GW08D0040T40	R2.0	4.0°	25	7.23	8	75
GW08D0040T50	R2.0	5.0°	25	8.04	8	75
GW06D0050T05	R2.5	0.5°	30	5.48	6	75
GW06D0050T10	R2.5	1.0°	30	5.96	6	75
GW08D0050T15	R2.5	1.5°	30	6.44	8	75
GW08D0050T20	R2.5	2.0°	30	6.92	8	75
GW08D0050T30	R2.5	3.0°	30	7.89	8	75
GW10D0050T40	R2.5	4.0°	30	8.86	10	75
GW10D0050T50	R2.5	5.0°	30	9.83	10	75
GW08D0060T05	R3.0	0.5°	35	6.56	8	100
GW08D0060T10	R3.0	1.0°	35	7.12	8	100
GW08D0060T15	R3.0	1.5°	35	7.68	8	100
GW08D0060T20	R3.0	2.0°	35	8.24	8	100
GW10D0060T30	R3.0	3.0°	35	9.36	10	100
GW12D0060T40	R3.0	4.0°	35	10.49	12	100
GW12D0060T50	R3.0	5.0°	35	11.62	12	100
GW10D0080T05	R4.0	0.5°	40	8.63	10	100
GW10D0080T10	R4.0	1.0°	40	9.26	10	100
GW10D0080T15	R4.0	1.5°	40	9.89	10	100
GW12D0080T20	R4.0	2.0°	40	10.52	12	100
GW12D0080T30	R4.0	3.0°	40	11.78	12	100
GW16D0080T40	R4.0	4.0°	40	13.05	16	100
GW16D0080T50	R4.0	5.0°	40	14.33	16	100
GW12D0100T05	R5.0	0.5°	45	10.70	12	100
GW12D0100T10	R5.0	1.0°	45	11.40	12	100
GW12D0100T15	R5.0	1.5°	45	12.10	12	100
GW16D0100T20	R5.0	2.0°	45	12.80	16	100
GW16D0100T30	R5.0	3.0°	45	14.20	16	100
GW16D0100T40	R5.0	4.0°	45	15.62	16	100
GW20D0100T50	R5.0	5.0°	45	17.04	20	100

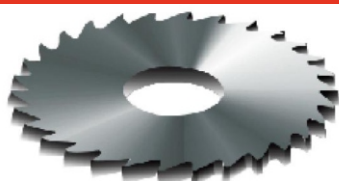
Фреза с ножом из композитного материала



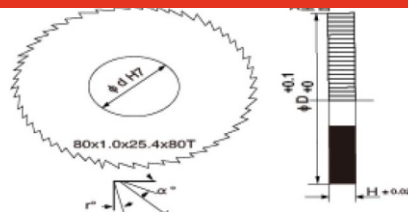
Артикул	Dh9	L1	dh6	L
D0010L03	1	3	3.175	38.5
D0010L06	1	6	3.175	38.5
D0012L06	1.2	6	3.175	38.5
D0012L10	1.2	10	3.175	38.5
D0015L08	1.5	8	3.175	38.5
D0015L12	1.5	12	3.175	38.5
D0020L08	2	8	3.175	38.5
D0020L12	2	12	3.175	38.5
D0020L15	2	15	3.175	38.5
D0020L17	2	17	3.175	45
D0020L22	2	22	3.175	45
D0025L12	2.5	12	3.175	38.5
D0025L15	2.5	15	3.175	38.5
D0025L22	2.5	22	3.175	45
D3175L06	3.175	6	3.175	38.5
D3175L08	3.175	8	3.175	38.5
D3175L12	3.175	12	3.175	38.5
D3175L15	3.175	15	3.175	38.5
D3175L17	3.175	17	3.175	38.5
D3175L22	3.175	22	3.175	45
D3175L25	3.175	25	3.175	50
D3175L28	3.175	28	3.175	50
D3175L32	3.175	32	3.175	60
D3175L42	3.175	42	3.175	70
D0030L12	3	12	4	50
D0030L15	3	15	4	50
D0030L17	3	17	4	50
D0030L22	3	22	4	50
D0040L12	4	12	4	40

Артикул	Dh9	L1	dh6	L
D0040L15	4	15	4	40
D0040L17	4	17	4	40
D0040L22	4	22	4	45
D0040L25	4	25	4	50
D0040L28	4	28	4	50
D0040L32	4	32	4	60
D0040L42	4	42	4	70
D0040L52	4	52	4	80
D0050L17	5	17	5	50
D0050L22	5	22	5	50
D0050L32	5	32	5	60
D0030L12	3	12	6	59
D0030L17	3	17	6	59
D0040L17	4	17	6	59
D0040L22	4	22	6	59
D0050L22	5	22	6	59
D0050L25	5	25	6	55
D0060L17	6	17	6	50
D0060L22	6	22	6	50
D0060L25	6	25	6	50
D0060L32	6	32	6	60
D0060L42	6	42	6	70
D0060L52	6	52	6	80
D0080L32	8	32	8	80
D0100L32	10	32	10	80
D0120L32	12	32	12	80
D0140L32	14	32	14	100
D0140L42	14	42	14	100

Твердосплавный диск



Твердосплавные
дисковые фрезы
серия GWR



Артикул	D	H	dH7	Z
D x H x d x T	8	0.15~4.0	3/4	4~20
	10	0.15~4.0	4/5	6~24
	12	0.15~4.0	4/5/6	6~30
	16	0.15~4.0	5/6/8	6~40
	20	0.15~4.0	5/6/8	6~45
	25	0.2~5.0	6/8/10	10~56
	30	0.2~5.0	6/8/10	10~60
	35	0.2~6.0	8/10/12.7	10~60
	40	0.2~6.0	8/10/12.7	10~80
	45	0.2~8.0	10/12.7/16	10~80
	50	0.2~8.0	10/12.7/16	10~100
	55	0.2~8.0	12.7/16	24~120
	60	0.2~8.0	12.7/13/16	24~120
	63	0.2~8.0	12.7/13/16	24~120
	70	0.3~8.0	16/22/25.4	28~120
	75	0.5~8.0	16/22/25.4	30~120

Артикул	D	H	dH7	Z
D x H x d x T	80	0.5~8.0	22/25.4	0~128
	85	0.5~8.0	22/25.4	30~128
	90	0.5~8.0	22/25.4	30~160
	95	0.5~8.0	22/25.4	30~160
	100	0.5~8.0	22/25.4/27	30~160
	105	0.8~0.8	22/25.4/27	30~160
	110	0.8~0.8	22/25.4/27/32	30~180
	115	0.8~0.8	22/25.4/27/32	30~180
	120	1.0~10.0	22/25.4/27/32	30~240
	125	1.0~10.0	22/25.4/27	30~240
	130	1.0~10.0	22/25.4/27/32	30~240
	150	1.0~10.0	22/25.4/27/32	40~240
	160	1.0~10.0	22/25.4/27/32	40~240
	180	1.5~12	25.4/27/32/40	60~280
	200	1.5~12	25.4/27/32/40	60~280

Твердосплавные фрезы 65HRC

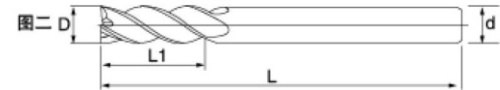
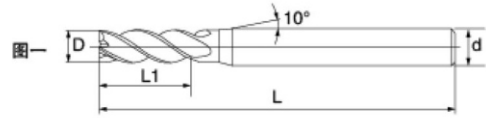


涂层 **ALTiN**

D ≤ 12 0--0.020
12 < D 0--0.030



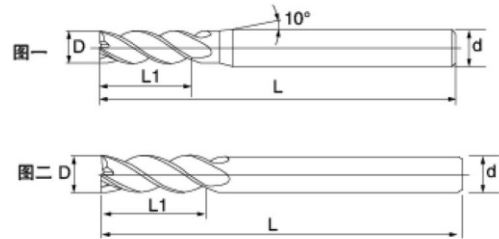
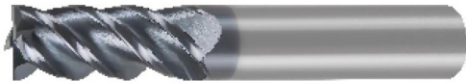
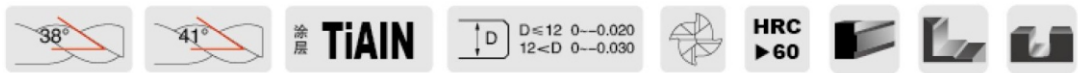
HRC
▶ 65



Артикул	Dh9	L1	dh6	L
GWZ4E01003S	1.0	3.0	4.0	50.0
GWZ4E01504S	1.5	4.0	4.0	50.0
GWZ4E02006S	2.0	6.0	4.0	50.0
GWZ4E02508S	2.5	8.0	4.0	50.0
GWZ4E03008S	3.0	8.0	4.0	50.0
GWZ4E03510S	3.5	10.0	4.0	50.0
GWZ4E04011S	4.0	11.0	4.0	50.0
GWZ4E01003	1.0	3.0	6.0	50.0
GWZ4E01504	1.5	4.0	6.0	50.0
GWZ4E02006	2.0	6.0	6.0	50.0
GWZ4E02508	2.5	8.0	6.0	50.0
GWZ4E03008	3.0	8.0	6.0	50.0
GWZ4E03510	3.5	10.0	6.0	50.0
GWZ4E04011	4.0	11.0	6.0	50.0

Артикул	Dh9	L1	dh6	L
GWZ4E04511	4.5	11.0	6.0	50.0
GWZ4E05013	5.0	13.0	6.0	50.0
GWZ4E05516	5.5	16.0	6.0	50.0
GWZ4E06016	6.0	16.0	6.0	50.0
GWZ4E07020	7.0	20.0	8.0	60.0
GWZ4E08020	8.0	20.0	8.0	60.0
GWZ4E09022	9.0	22.0	10.0	75.0
GWZ4E10025	10.0	25.0	10.0	75.0
GWZ4E11026	11.0	26.0	12.0	75.0
GWZ4E12030	12.0	30.0	12.0	75.0
GWZ4E14040	14.0	40.0	14.0	100.0
GWZ4E16045	16.0	45.0	16.0	100.0
GWZ4E18045	18.0	45.0	18.0	100.0
GWZ4E20045	20.0	45.0	20.0	100.0

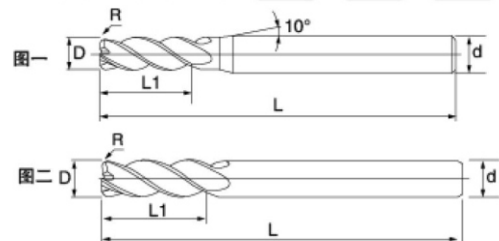
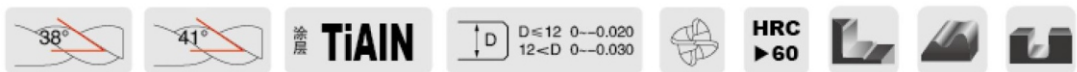
Твердосплавная фреза 60 HRC



Dh9	L1	dh6	L	Z
3	7.5	4	50	4F
4	10	4	50	4F
5	13	5	50	4F
5	13	6	50	4F
6	15	6	50	4F
7	20	8	60	4F
10	25	10	75	4F
12	30	12	75	4F
14	35	14	100	4F
16	40	16	100	4F
18	40	18	100	4F
20	45	20	100	4F
4	10	4	75	4F
6	15	6	75	4F

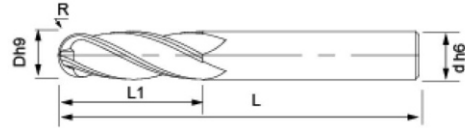
Dh9	L1	dh6	L	Z
8	20	8	75	4F
4	12	4	100	4F
6	18	6	100	4F
8	24	8	100	4F
10	30	10	100	4F
12	36	12	100	4F
6	18	6	150	4F
8	24	8	150	4F
10	30	10	150	4F
12	36	12	150	4F
14	42	14	150	4F
16	48	16	150	4F
18	54	18	150	4F
20	60	20	150	4F

Твердосплавная фреза радиусная 60 HRC



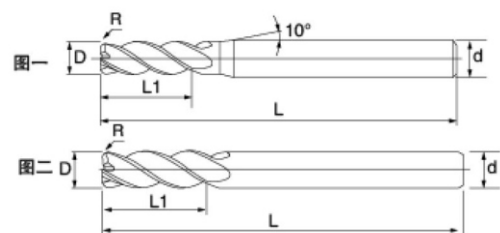
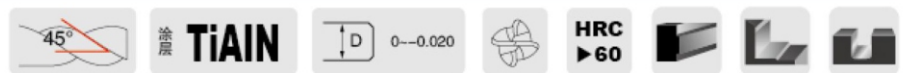
Dh9	L1	dh6	L	Z	Z	Dh9	L1	dh6	L	Z	Z
3	7.5	4	50	4F	R0.5	8	20	8	75	4F	R0.5/R1/R2
4	10	4	50	4F	R0.5/R1	4	12	4	100	4F	R0.5/R1
5	13	5	50	4F	R0.5/R1	6	18	6	100	4F	R0.5/R1
5	13	6	50	4F	R0.5/R1	8	24	8	100	4F	R0.5/R1/R2
6	15	6	50	4F	R0.5/R1	10	30	10	100	4F	R0.5/R1/R2
8	20	8	60	4F	R0.5/R1/R2	12	36	12	100	4F	R0.5/R1/R2
10	25	10	75	4F	R0.5/R1/R2	6	18	6	150	4F	R0.5/R1
12	30	12	75	4F	R0.5/R1/R2	8	24	8	150	4F	R0.5/R1/R2
14	35	14	100	4F	R0.5/R1/R2	10	30	10	150	4F	R0.5/R1/R2
16	40	16	100	4F	R0.5/R1/R2	12	36	12	150	4F	R0.5/R1/R2
18	40	18	100	4F	R0.5/R1/R2	14	42	14	150	4F	R0.5/R1/R2
20	45	20	100	4F	R0.5/R1/R2	16	48	16	150	4F	R0.5/R1/R2
4	10	4	75	4F	R0.5/R1	18	54	18	150	4F	R0.5/R1/R2
6	15	6	75	4F	R0.5/R1	20	60	20	150	4F	R0.5/R1/R2

Твердосплавная фреза радиусная



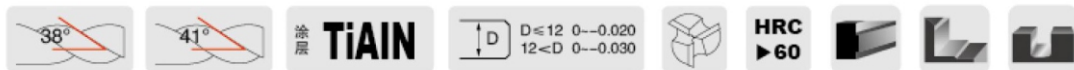
Dh9	Dh9	L1	dh6	L	Z
3	1.5	6	4	50	4F
4	2	8	4	50	4F
5	2.5	10	5	50	4F
5	2.5	10	6	50	4F
6	3	12	6	50	4F
8	4	16	8	60	4F
10	5	20	10	75	4F
12	6	24	12	75	4F
14	7	28	14	100	4F
16	8	32	16	100	4F
18	9	36	18	100	4F
20	10	40	20	100	4F
4	2	8	4	75	4F
6	3	12	6	75	4F

Dh9	Dh9	L1	dh6	L	Z
8	4	16	8	75	4F
4	2	8	4	100	4F
6	3	12	6	100	4F
8	4	16	8	100	4F
10	5	20	10	100	4F
12	6	24	12	100	4F
6	3	12	6	150	4F
8	4	16	8	150	4F
10	5	20	10	150	4F
12	6	24	12	150	4F
14	7	28	14	150	4F
16	8	32	16	150	4F
18	9	36	18	150	4F
20	10	40	20	150	4F

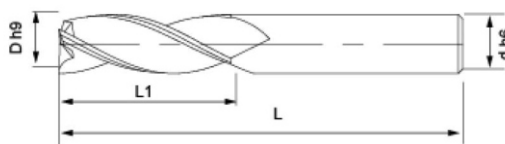


Dh9	R	L1	dh6	L	Z
4	0.5	10	4	50	4F
6	0.5	15	6	50	4F
8	0.5	20	8	60	4F
10	0.5	25	10	75	4F
12	0.5	30	12	75	4F
16	0.5	40	16	100	4F
16	1.0	40	16	100	4F

Фреза для тяжелых условий резки алюминия



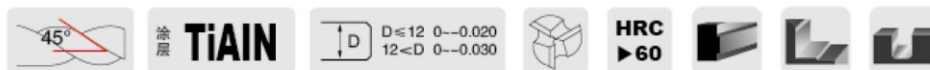
GYFH



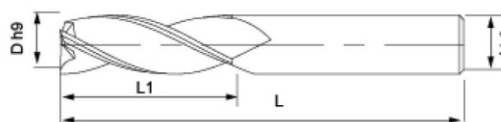
Dh9	L1	dh6	L	Z
3	7.5	4	50	3F
3.5	9	4	50	3F
4	10	4	50	3F
5	13	6	50	3F
6	15	6	50	3F
8	20	8	60	3F
10	25	10	75	3F
12	30	12	75	3F
14	35	14	100	3F
16	40	16	100	3F

Dh9	L1	dh6	L	Z
18	45	18	100	3F
20	45	20	100	3F
4	10	4	75	3F
6	15	6	75	3F
8	20	8	75	3F
4	12	4	100	3F
6	18	6	100	3F
8	24	8	100	3F
10	30	10	100	3F
12	36	12	100	3F

Фреза для обработки алюминия



GYF



Dh9	L1	dh6	L	Z
1	3	4	50	3F
1.5	4	4	50	3F
2	5	4	50	3F
2.5	6.5	4	50	3F
3	7.5	3	50	3F
3	7.5	4	50	3F
3.5	9	4	50	3F
4	10	4	50	3F
5	13	5	50	3F
5	13	6	50	3F
6	15	6	50	3F
8	20	8	60	3F
10	25	10	75	3F

Dh9	L1	dh6	L	Z
12	30	12	75	3F
14	35	14	100	3F
16	40	16	100	3F
18	45	18	100	3F
20	45	20	100	3F
4	10	4	75	3F
6	15	6	75	3F
8	20	8	75	3F
4	12	4	100	3F
6	18	6	100	3F
8	24	8	100	3F
10	30	10	100	3F
12	36	12	100	3F

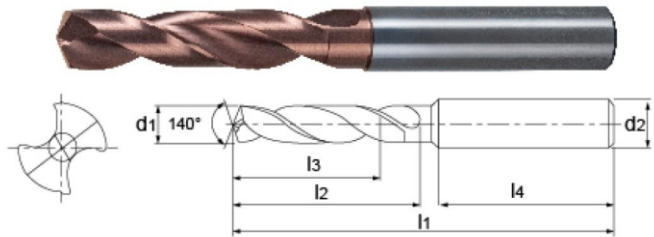
Сверло 3D без СОЖ

HELICA

3D



P	M	K	N
Сталь	Нержав. сталь	Чугун	Цветные сплавы



Артикул	d1(m7)	M	d2(h6)	l1	l2	l3	l4
GDW2103-D300	3		6	62	20	14	36
GDW2103-D350	3.5		6	62	20	14	36
GDW2103-D400	4		6	66	24	17	36
GDW2103-D450	4.5		6	66	24	17	36
GDW2103-D500	5	M6	6	66	28	20	36
GDW2103-D550	5.5		6	66	28	20	36
GDW2103-D555	5.55		6	66	28	20	36
GDW2103-D600	6		6	66	28	20	36
GDW2103-D650	6.5		8	79	34	24	36
GDW2103-D700	7	M8X1	8	79	34	24	36
GDW2103-D750	7.5		8	79	41	29	36
GDW2103-D800	8		8	79	41	29	36
GDW2103-D850	8.5	M10	10	89	47	35	40
GDW2103-D900	9	M10X1	10	89	47	35	40
GDW2103-D950	9.5		10	89	47	35	40
GDW2103-D1000	10		10	89	47	35	40
GDW2103-D1050	10.5	M12X1.5	12	102	55	40	45
GDW2103-D1100	11		12	102	55	40	45
GDW2103-D1150	11.5		12	102	55	40	45
GDW2103-D1200	12	M14	12	102	55	40	45
GDW2103-D1250	12.5	M14X1.5	14	107	60	43	45
GDW2103-D1280	12.8		14	107	60	43	45
GDW2103-D1300	13		14	107	60	43	45
GDW2103-D1350	13.5		14	107	60	43	45
GDW2103-D1400	14	M16	14	107	60	43	45
GDW2103-D1450	14.5	M16X1.5	16	115	65	45	48
GDW2103-D1500	15		16	115	65	45	48
GDW2103-D1550	15.5		16	115	65	45	48
GDW2103-D1600	16		16	115	65	45	48
GDW2103-D1650	16.5		18	123	73	51	48
GDW2103-D1700	17		18	123	73	51	48
GDW2103-D1750	17.5		18	123	73	51	48
GDW2103-D1800	18		18	123	73	51	48
GDW2103-D1850	18.5		20	131	79	55	50
GDW2103-D1900	19		20	131	79	55	50
GDW2103-D1950	19.5		20	131	79	55	50
GDW2103-D2000	20		20	131	79	55	50

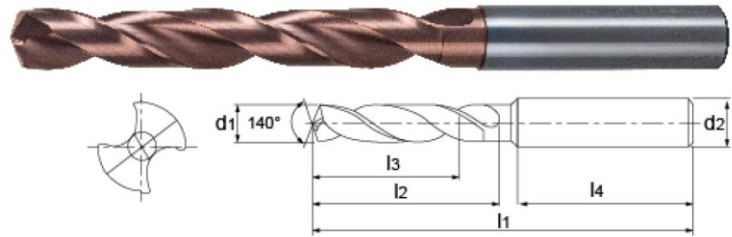
Сверло 5D без СОЖ

HELICA

5D



P	M	K	N
Сталь	Нержав. сталь	Чугун	Цветные сплавы



Артикул	d1(m7)	M	d2(h6)	l1	l2	l3	l4
GWD2105-D300	3		6	66	28	23	36
GWD2105-D350	3.5		6	66	28	23	36
GWD2105-D400	4		6	74	36	29	36
GWD2105-D450	4.5		6	74	36	29	36
GWD2105-D500	5	M6	6	82	44	35	36
GWD2105-D550	5.5		6	82	44	35	36
GWD2105-D600	6		6	82	44	35	36
GWD2105-D650	6.5		8	91	53	43	36
GWD2105-D700	7	M8X1	8	91	53	43	36
GWD2105-D750	7.5		8	91	53	43	36
GWD2105-D800	8		8	91	53	43	36
GWD2105-D850	8.5	M10	10	103	61	49	40
GWD2105-D900	9	M10X1	10	103	61	49	40
GWD2105-D950	9.5		10	103	61	49	40
GWD2105-D1000	10		10	103	61	49	40
GWD2105-D1050	10.5	M12X1.5	12	118	71	56	45
GWD2105-D1100	11		12	118	71	56	45
GWD2105-D1150	11.5		12	118	71	56	45
GWD2105-D1200	12	M14	12	118	71	56	45
GWD2105-D1250	12.5	M14X1.5	14	124	77	60	45
GWD2105-D1310	13		14	124	77	60	45
GWD2105-D1350	13.5		14	124	77	60	45
GWD2105-D1400	14	M16	14	124	77	60	45
GWD2105-D1450	14.5	M16X1.5	16	133	83	63	48
GWD2105-D1500	15		16	133	83	63	48
GWD2105-D1550	15.5		16	133	83	63	48
GWD2105-D1600	16		16	133	83	63	48
GWD2105-D1650	16.5		18	143	93	71	48
GWD2105-D1700	17		18	143	93	71	48
GWD2105-D1750	17.5		18	143	93	71	48
GWD2105-D1800	18		18	143	93	71	48
GWD2105-D1850	18.5		20	153	101	77	50
GWD2105-D1900	19		20	153	101	77	50
GWD2105-D1950	19.5		20	153	101	77	50
GWD2105-D2000	20		20	153	101	77	50

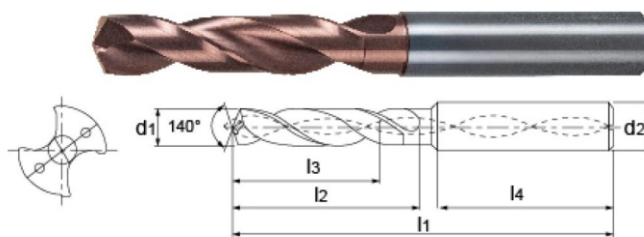
Сверло с 3D СОЖ

HELICA

3D



P	M	K	N
Сталь	Нержав. сталь	Чугун	Цветные сплавы



Артикул	d1(m7)	M	d2(h6)	l1	l2	l3	l4
GWD2103-D500	5	M6	6	66	28	20	36
GWD2103-D550	5.5		6	66	28	20	36
GWD2103-D555	5.55		6	66	28	20	36
GWD2103-D600	6		6	66	28	20	36
GWD2103-D650	6.5		8	79	34	24	36
GWD2103-D700	7	M8X1	8	79	34	24	36
GWD2103-D750	7.5		8	79	41	29	36
GWD2103-D800	8		8	79	41	29	36
GWD2103-D850	8.5	M10	10	89	47	35	40
GWD2103-D900	9	M10X1	10	89	47	35	40
GWD2103-D950	9.5		10	89	47	35	40
GWD2103-D1000	10		10	89	47	35	40
GWD2103-D1050	10.5	M12X1.5	12	102	55	40	40
GWD2103-D1100	11		12	102	55	40	40
GWD2103-D1150	11.5		12	102	55	40	40
GWD2103-D1200	12	M14	12	102	55	40	40
GWD2103-D1250	12.5	M14X1.5	14	107	60	43	45
GWD2103-D1280	12.8		14	107	60	43	45
GWD2103-D1300	13		14	107	60	43	45
GWD2103-D1350	13.5		14	107	60	43	45
GWD2103-D1400	14	M16	14	107	60	43	45
GWD2103-D1450	14.5	M16X1.5	16	115	65	45	48
GWD2103-D1500	15		16	115	65	45	48
GWD2103-D1550	15.5		16	115	65	45	48
GWD2103-D1600	16		16	115	65	45	48
GWD2103-D1650	16.5		18	123	73	51	48
GWD2103-D1700	17		18	123	73	51	48
GWD2103-D1750	17.5		18	123	73	51	48
GWD2103-D1800	18		18	123	73	51	48
GWD2103-D1850	18.5		20	131	79	55	50
GWD2103-D1900	19		20	131	79	55	50
GWD2103-D1950	19.5		20	131	79	55	50
GWD2103-D2000	20		20	131	79	55	50

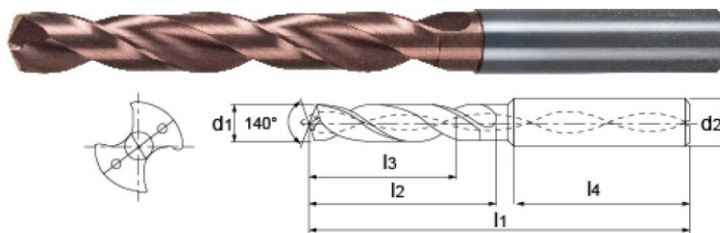
Сверло с 5D СОЖ

HELICA

5D



P	M	K	N
Сталь	Нержав. сталь	Чугун	Цветные сплавы



Артикул	d1(m7)	M	d2(h6)	l1	l2	l3	l4
GWD2105-D500	5	M6	6	82	44	35	36
GWD2105-D550	5.5		6	82	44	35	36
GWD2105-D600	6		6	82	44	35	36
GWD2105-D650	6.5		8	91	53	43	36
GWD2105-D700	7	M8X1	8	91	53	43	36
GWD2105-D750	7.5		8	91	53	43	36
GWD2105-D800	8		8	91	53	43	36
GWD2105-D850	8.5	M10	10	103	61	49	40
GWD2105-D900	9	M10X1	10	103	61	49	40
GWD2105-D950	9.5		10	103	61	49	40
GWD2105-D1000	10		10	103	61	49	40
GWD2105-D1050	10.5	M12X1.5	12	118	71	56	45
GWD2105-D1100	11		12	118	71	56	45
GWD2105-D1150	11.5		12	118	71	56	45
GWD2105-D1200	12	M14	12	118	71	56	45
GWD2105-D1250	12.5	M14X1.5	14	124	77	60	45
GWD2105-D1310	13		14	124	77	60	45
GWD2105-D1350	13.5		14	124	77	60	45
GWD2105-D1400	14	M16	14	124	77	60	45
GWD2105-D1450	14.5	M16X1.5	16	133	83	63	48
GWD2105-D1500	15		16	133	83	63	48
GWD2105-D1550	15.5		16	133	83	63	48
GWD2105-D1600	16		16	133	83	63	48
GWD2105-D1650	16.5		18	143	93	71	48
GWD2105-D1700	17		18	143	93	71	48
GWD2105-D1750	17.5		18	143	93	71	48
GWD2105-D1800	18		18	143	93	71	48
GWD2105-D1850	18.5		20	153	101	77	50
GWD2105-D1900	19		20	153	101	77	50
GWD2105-D1950	19.5		20	153	101	77	50
GWD2105-D2000	20		20	153	101	77	50

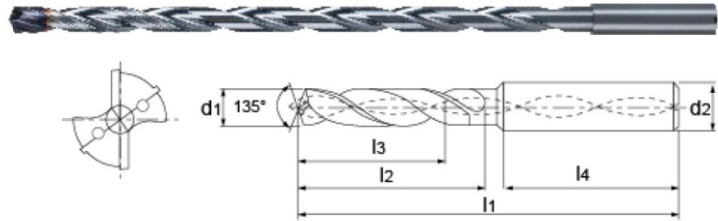
Сверло 20D с СОЖ

AlTiN
nano

20D



P	M	K	N	S
Сталь	Нержав. сталь	Чугун	Цветные сплавы	Жаропрочные сплавы
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Артикул	d1(m7)	M	d2(h6)	l1	l2	l3	l4
GWD3020-CHA-D03000	3		6	107	60	60	36
GWD3020-CHA-D03175	3.175	1/8"	6	134	86	86	36
GWD3020-CHA-D03500	3.5		6	134	86	86	36
GWD3020-CHA-D03572	3.572	9/64"	6	134	86	86	36
GWD3020-CHA-D03969	3.969	5/32"	6	134	86	86	36
GWD3020-CHA-D04000	4		6	134	86	86	36
GWD3020-CHA-D04500	4.5		6	158	110	110	36
GWD3020-CHA-D04763	4.763	3/16"	6	158	110	110	36
GWD3020-CHA-D04800	4.8		6	158	110	110	36
GWD3020-CHA-D05000	5		6	158	110	110	36
GWD3020-CHA-D05500	5.5		6	170	123	123	36
GWD3020-CHA-D05556	5.556	7/32"	6	182	135	135	36
GWD3020-CHA-D05800	5.8		6	182	135	135	36
GWD3020-CHA-D06000	6		6	182	135	135	36
GWD3020-CHA-D06100	6.1		8	200	151	151	36
GWD3020-CHA-D06350	6.35	1/4"	8	200	151	151	36
GWD3020-CHA-D06500	6.5		8	200	151	151	36
GWD3020-CHA-D06800	6.8		8	200	151	151	36
GWD3020-CHA-D07000	7		8	200	151	151	36
GWD3020-CHA-D07144	7.144	9/32"	8	222	172	172	36
GWD3020-CHA-D07400	7.4		8	222	172	172	36
GWD3020-CHA-D07500	7.5		8	222	172	172	36
GWD3020-CHA-D07938	7.938	5/16"	8	222	172	172	36
GWD3020-CHA-D08000	8		8	222	172	172	36
GWD3020-CHA-D08300	8.3		10	240	184	184	40
GWD3020-CHA-D08500	8.5		10	240	184	184	40
GWD3020-CHA-D08731	8.731	11/32"	10	240	184	184	40
GWD3020-CHA-D09000	9		10	240	184	184	40
GWD3020-CHA-D09525	9.525	3/8"	10	262	205	205	40
GWD3020-CHA-D09800	9.8		10	262	205	205	40
GWD3020-CHA-D10000	10		10	262	205	205	40
GWD3020-CHA-D10200	10.2		12	289	225	225	45
GWD3020-CHA-D10319	10.319	13/32"	12	289	225	225	45
GWD3020-CHA-D11000	11		12	289	225	225	45
GWD3020-CHA-D11113	11.113	7/16"	12	311	246	246	45
GWD3020-CHA-D11500	11.5		12	311	246	246	45
GWD3020-CHA-D11800	11.8		12	311	246	246	45
GWD3020-CHA-D11906	11.906	15/32"	12	311	246	246	45
GWD3020-CHA-D12000	12		12	311	246	246	45

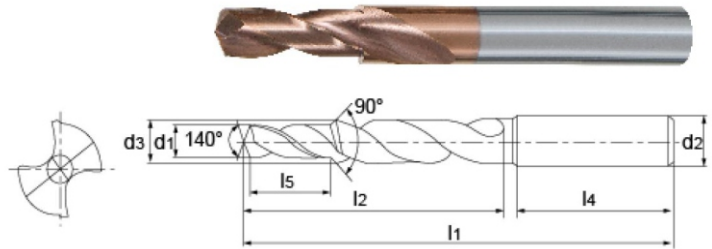
Двухступенчатое сверло для отверстия под резьбу

AlTiN
nano

3D



P	M	K	N	S
Сталь	Нержав. сталь	Чугун	Цветные сплавы	Жаропрочные сплавы



Артикул	M	d1(h7)	d2(h6)	d3	l1	l2	l4	l5
GWD-DSA03-M4	M4	3.30	6.00	6.00	66	28	36.0	11.4
GWD-DSA03-M5	M5	4.20	6.00	6.00	66	28	36.0	13.6
GWD-DSA03-M6	M6	5.00	8.00	8.00	79	41	36.0	16.5
GWD-DSA03-M8	M8	6.80	10.00	10.00	89	47	40.0	21.0
GWD-DSA03-M10	M10	8.50	12.00	12.00	102	55	45.0	25.5
GWD-DSA03-M12	M12	10.25	14.00	14.00	107	60	45.0	30.0
GWD-DSA03-M14	M14	12.00	16.00	16.00	115	65	48.0	34.5

Артикул	M	d1(h7)	d2(h6)	d3	l1	l2	l4	l5
GWD-DSA03-M16	M16	14.00	18.00	18.00	123	73	48.0	38.5
GWD-DSA03-M8x1.0	MBX1	7.00	10.00	9.80	89	47	40.0	21.0
GWD-DSA03-M10x1.0	M10X1	9.00	12.00	12.00	102	55	45.0	25.5
GWD-DSA03-M12x1.5	M12X1.5	10.50	14.00	14.00	107	60	45.0	30.0
GWD-DSA03-M14x1.5	M14X1.5	12.50	16.00	16.00	115	65	48.0	34.5
GWD-DSA03-M16x1.5	M16X1.5	14.50	18.00	18.00	123	73	48.0	38.5

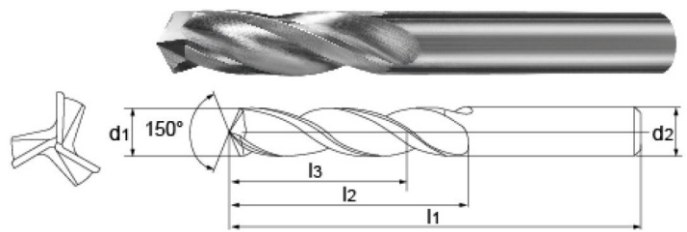
Расточное сверло

AlTiN

3D



P	M	K	N	S
Сталь	Нержав. сталь	Чугун	Цветные сплавы	Жаропрочные сплавы



Артикул	d1(h7)	d2(h6)	l1	l2	l3
GWD5203-NYZ-D0300	3.00	3.00	46	16	12
GWD5203-NYZ-D0310	3.10	3.10	49	18	14
GWD5203-NYZ-D0320	3.20	3.20	49	18	14
GWD5203-NYZ-D0330	3.30	3.30	49	18	14
GWD5203-NYZ-D0340	3.40	3.40	52	20	15
GWD5203-NYZ-D0350	3.50	3.50	52	20	15
GWD5203-NYZ-D0360	3.60	3.60	52	20	15
GWD5203-NYZ-D0370	3.70	3.70	52	20	15
GWD5203-NYZ-D0380	3.80	3.80	55	22	17
GWD5203-NYZ-D0400	4.00	4.00	55	22	17
GWD5203-NYZ-D0410	4.10	4.10	55	22	17
GWD5203-NYZ-D0420	4.20	4.20	55	22	17
GWD5203-NYZ-D0450	4.50	4.50	58	24	18
GWD5203-NYZ-D0480	4.80	4.80	62	26	20
GWD5203-NYZ-D0500	5.00	5.00	62	26	20

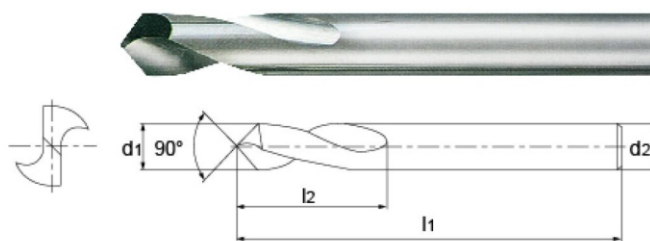
Артикул	d1(h7)	d2(h6)	l1	l2	l3
GWD5203-NYZ-D0510	5.10	5.10	62	26	20
GWD5203-NYZ-D0520	5.20	5.20	62	26	20
GWD5203-NYZ-D0530	5.30	5.30	62	26	20
GWD5203-NYZ-D0550	5.50	5.50	66	28	21
GWD5203-NYZ-D0580	5.80	5.80	66	28	21
GWD5203-NYZ-D0600	6.00	6.00	66	28	21
GWD5203-NYZ-D0610	6.10	6.10	70	31	23
GWD5203-NYZ-D0620	6.20	6.20	70	31	23
GWD5203-NYZ-D0640	6.40	6.40	70	31	23
GWD5203-NYZ-D0650	6.50	6.50	70	31	23
GWD5203-NYZ-D0670	6.70	6.70	70	31	23
GWD5203-NYZ-D0680	6.80	6.80	74	34	25
GWD5203-NYZ-D0700	7.00	7.00	74	34	25
GWD5203-NYZ-D0710	7.10	7.10	74	34	25
GWD5203-NYZ-D0740	7.40	7.40	74	34	25

Центровочное сверло 90°/120°

AlTiN



P	M	K	N	S
Сталь	Нержав. сталь	Чугун	Цветные сплавы	Жаропрочные сплавы
○		○	○	



Артикул	d1(h6)	d2(h6)	l1	l2
GWD9100 090 D0500	5.00	5.00	62	10
GWD9100-090-D0600	6.00	6.00	66	15
GWD9100-090-D0800	8.00	8.00	79	17
GWD9100-090-D100	10.00	10.00	89	20

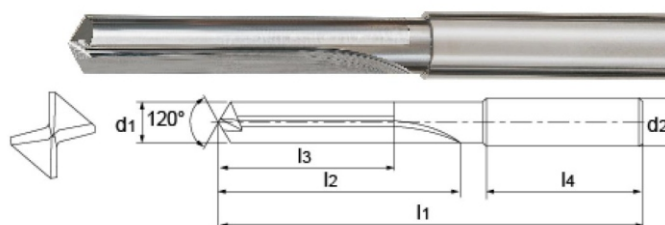
Артикул	d1(h7)	d2(h6)	l1	l2
GWD9100 090 D1200	12.00	12.00	102	25
GWD9100-090-D1400	14.00	14.00	107	30
GWDS100-090-D1600	16.00	16.00	115	35
GWD9100-090-D2000	20.00	20.00	131	40

Центровочное сверло с прямой конавкой

5D



P	M	K	N	S
Сталь	Нержав. сталь	Чугун	Цветные сплавы	Жаропрочные сплавы
		○	○	

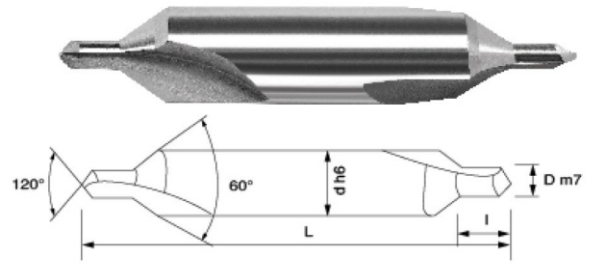


Артикул	d1(k6)	M	d2(h6)	l1	l2	l3	l4
GWD7305-NHA-D0400	4.00		6.00	74	36	29	36
GWD7305-NHA-D0420	4.20	M5	6.00	74	36	29	36
GWD7305-NHA-D0500	5.00	M6	6.00	82	44	35	36
GWD7305-NHA-D0600	6.00		6.00	82	44	35	36
GWD7305-NHA-D0680	6.80	M8	8.00	91	53	43	36
GWD7305-NHA-D0700	7.00	M8X1	8.00	91	53	43	36
GWD7305-NHA-D0800	8.00		8.00	91	53	43	36
GWD7305-NHA-D0850	8.50	M10	10.00	103	61	49	40
GWD7305-NHA-D0900	9.00	M10X1	10.00	103	61	49	40
GWD7305-NHA-D1000	10.00		10.00	103	61	49	40
GWD7305-NHA-D1025	10.25	M12	12.00	118	71	56	45
GWD7305-NHA-D1100	11.00		12.00	118	71	56	45

Артикул	d1(k6)	M	d2(h6)	l1	l2	l3	l4
GWD7305-NHA-D1200	12.00	M14	12.00	118	71	6	45
GWD7305-NHA-D1300	13.00		14.00	124	77	60	45
GWD7305-NHA-D1400	14.00	M16	14.00	124	77	60	45
GWD7305-NHA-D1500	15.00		16.00	133	83	63	48
GWD7305-NHA-D1550	15.50		16.00	133	83	63	48
GWD7305-NHA-D1600	16.00		16.00	133	83	63	48
GWD7305-NHA-D1700	17.00		18.00	143	93	71	48
GWD7305-NHA-D1750	17.50		18.00	143	93	71	48
GWD7305-NHA-D1800	18.00		18.00	143	93	71	48
GWD7305-NHA-D1950	19.50		20.00	153	101	77	50
GWD7305-NHA-D2000	20.00		20.00	153	101	77	50

Сверло центровачное

P	M	K	N	S
Сталь	Нержав. сталь	Чугун	Цветные сплавы	Жаропрочные сплавы
○	○	○	○	○

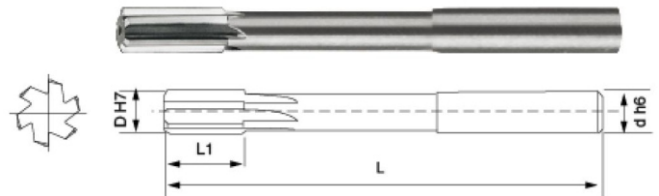


Артикул	D m7	l	d h6	L
050D0200	2.0	2.5	5.0	50
063D0250	2.5	3.1	6.0	60
080D0315	3.15	3.9	8.0	70

Артикул	D m7	l	d h6	L
100D0400	4.0	5.0	10.0	80
120D0500	5.0	6.3	12.0	80
160D0630	6.3	8.0	16.0	80

Развёртка прямая

P	M	K	N	S
Сталь	Нержав. сталь	Чугун	Цветные сплавы	Жаропрочные сплавы
○	○	○	○	○

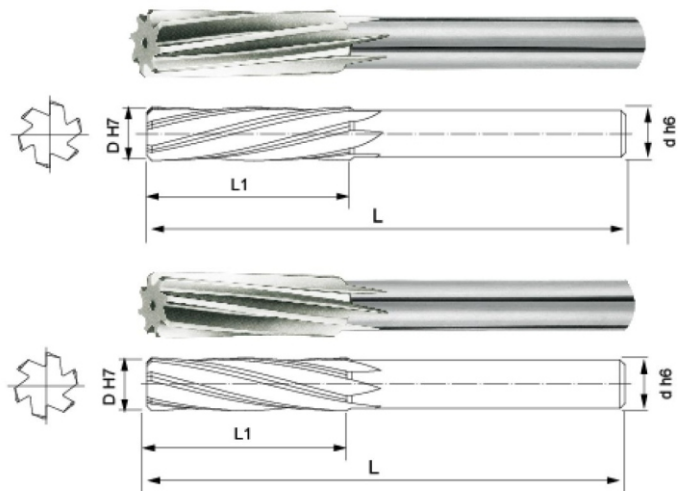


Артикул	D m7	l	d h6	L
ZC-0500	5.00	22	4.00	63
ZC-0550	5.50	22	5.00	63
ZC-0600	6.00	22	5.00	63
ZC-0650	6.50	22	5.00	63
ZC-0700	7.00	25	6.00	71
ZC-0750	7.50	25	6.00	71
ZC-0800	8.00	25	6.00	71
ZC-0850	8.50	25	8.00	71
ZC-0900	9.00	25	8.00	71
ZC-0950	9.50	25	8.00	71
ZC-1000	10.00	25	8.00	71
ZC-1050	10.50	28	10.00	80
ZC-1100	11.00	28	10.00	80
ZC-1150	11.50	28	10.00	80
ZC-1200	12.00	28	10.00	80
ZC-1250	12.50	28	10.00	80

Артикул	D m7	l	d h6	L
ZC-1300	13.00	28	10.00	80
ZC-1350	13.50	32	12.50	90
ZC-1400	14.00	32	12.50	90
ZC-1450	14.50	32	12.50	80
ZC-1500	15.00	32	12.50	90
ZC-1550	15.50	32	12.50	90
ZC-1600	16.00	32	12.50	90
ZC-1650	16.50	32	12.50	90
ZC-1700	17.00	32	16.00	90
ZC-1750	17.50	36	16.00	100
ZC-1800	18.00	36	16.00	100
ZC-1850	18.50	36	16.00	100
ZC-1900	19.00	36	16.00	100
ZC-1950	19.50	36	16.00	100
ZC-2000	20.00	36	16.00	100

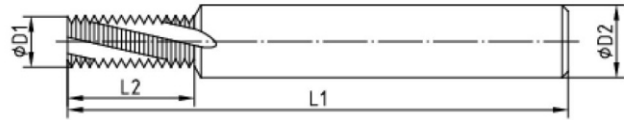
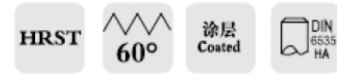
Развёртка спиральная

P	M	K	N	S
Сталь	Нержав. сталь	Чугун	Цветные сплавы	Жаропрочные сплавы
○	○	○		○



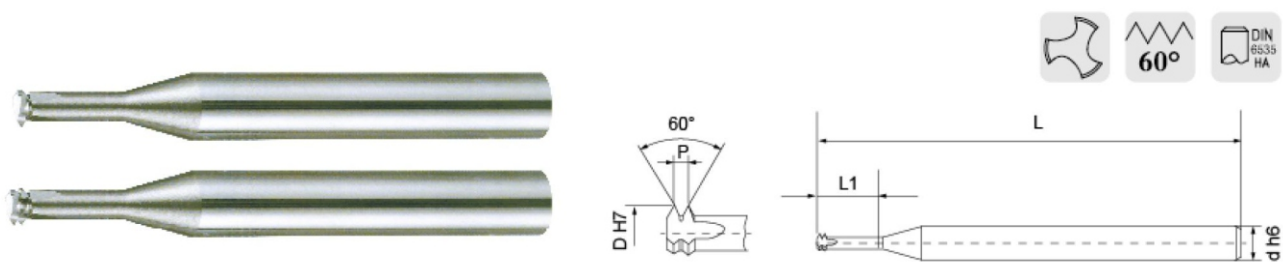
Артикул	D(H7)	L1	d(h6)	L
L/R-0500	5.00	22	4.00	63
L/R-0550	5.50	22	5.00	63
L/R-0600	6.00	22	5.00	63
L/R-0650	6.50	22	5.00	63
L/R-0700	7.00	25	6.00	71
L/R-0750	7.50	25	6.00	71
L/R-0800	8.00	25	6.00	71
L/R-0850	8.50	25	8.00	71
L/R-0900	9.00	25	8.00	71
L/R-0950	9.50	25	8.00	71
LR-1000	10.00	25	8.00	71
L/R 1050	10.50	28	10.00	80
L/R-1100	11.00	28	10.00	80
L/R-1150	11.50	28	10.00	80
L/R-1200	12.00	28	10.00	80
L/R-1250	12.50	28	10.00	80
L/R-1300	13.00	28	10.00	80
L/R-1350	13.50	32	12.50	90
L/R-1400	14.00	32	12.50	90
L/R 1450	14.50	32	12.50	80
L/R-1500	15.00	32	12.50	90
L/R-1550	15.50	32	12.50	90
L/R-1600	16.00	32	12.50	90
L/R-1650	16.50	32	12.50	90
L/R-1700	17.00	32	16.00	90
L/R-1750	17.50	36	16.00	100
L/R-1800	18.00	36	16.00	100
L/R 1850	18.50	36	16.00	100
L/R-1900	19.00	36	16.00	100
L/R-1950	19.50	36	16.00	100
L/R-2000	20.00	36	16.00	100

Резьбофреза



Артикул		Thread	P	D1	L2	D2	L1	Z
Not coating	Coating							
LWX-0400	LWXC-0400	M4	0.7	2.8	8	4	50	3
LWX-0500	LWXC-0500	M5	0.8	3.5	10	4	50	3
LWX-0600	LWXC-0600	M6	1.0	3.9	12	6	50	3
LWX-0800	LWXC-0800	M8	1.25	5.8	15	6	60	3
LWX-1000	LWXC-1000	M10	1.5	7.7	21	8	65	3
LWX-1200	LWXC-1200	M12	1.75	8.7	24	10	75	4
LWX-1400	LWXC-1400	M14	2.0	9.9	28	10	75	4
LWX-1600	LWXC-1600	M16	2.0	11.9	32	12	85	4
LWX-2000	LWXC-2000	M20	2.5	13.9	32	14	100	4

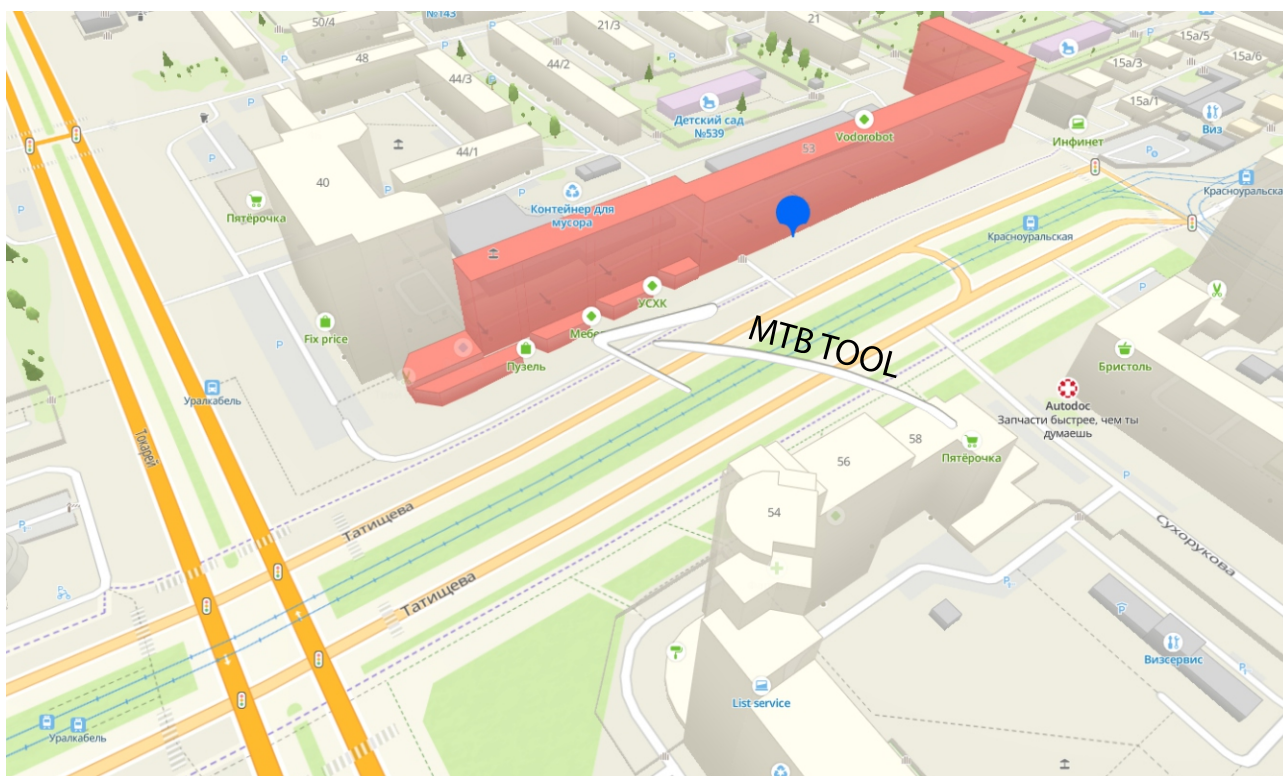
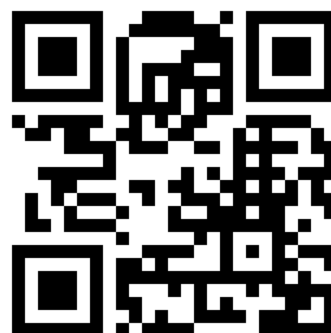
Резьбофреза



Артикул	D H7	P	L1	d h6	L
Xf0260	2.60	0.35	5	3.0	51
XF0243	2.43	0.50	5	3.0	51
XF0281	2.81	0.60	5	3.5	51
XF0320	3.20	0.70	5	4.0	51
XF0408	4.08	0.80	5	5.0	51
XF0485	4.85	1.00	5	6.0	51
XF0595	5.95	1.25	6*	8.0	63
XF0795	7.95	1.50	8*	10.0	67
XF0995	9.95	1.75	10*	12.0	76
XF1095	10.95	2.00	12*	14.0	95
XF1095	10.95	2.00	12*	16.0	95
XF1395	13.95	2.50	14*	18.0	105
Xf1395	13.95	2.50	14*	20.0	105

MTB TOOL ООО «БЕСТСЕРВИСИТ»

Металлорежущий инструмент и оснастка
для машиностроительного производства



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