

**KGT**



**PUNTE IN METALLO DURO AD ALTE  
PRESTAZIONI**

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**ALESATORI IN METALLO DURO**

**KGT**

**CATALOGO GENERALE FORATURA**

# Spiegazione simboli generali

## Simboli di idoneità

### Simboli Generali



Tipologia codolo



Lubrificazione interna



Lubrificazione esterna

### Famiglie di materiali:

Ottimale

Possibile



Acciai non legati, acciai da costruzione, acciai legati, acciai per utensili



Inox, acciai non legati e resistenti agli acidi (Cr-Ni lega), acciaio inossidabile



Ghisa grigia



Ghisa sferoidale, ghisa vermicolare



Alluminio, rame, ottone, bronzo





Leghe titanio, leghe base nickel



Ghisa refrattaria, acciaio temprato

# Indice



































	DA ACCIAI NON LEGATI AD ACCIAI DA FUSIONE	INOX	GHISA GRIGIA, LEGA GHISA GRIGIA	GHISA SFEROIDALE, VERMICOLARE GHISA MALLEABILE	MATERIALI NON FERROSI	LEGHE TITANIO, LEGHE BASE NICKEL	GHISA REFRAITTARIA, ACCIAIO TEMPRATO	LUBRIFICAZIONE	
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-  Ottimale
-  Possibile



3xD	KGT3DPA								Pag. 4 - 7
	KGT3DFA								Pag. 4 - 7
	KGT3DFL								Pag. 4 - 7
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# Indice

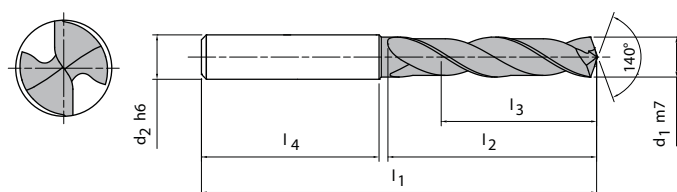
		DA ACCIAI NON LEGATI AD ACCIAI DA FUSIONE	INOX	GHISA GRIGIA, LEGA GHISA GRIGIA	GHISA SFEROIDALE, VERMICOLARE GHISA MALLEABILE	MATERIALI NON FERROSI	LEGHE TITANIO, LEGHE BASE NICKEL	GHISA REFRAATTARIA, ACCIAIO TEMPORATO	LUBRIFICAZIONE	
		 Ottimale								
		 Possibile								
										
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# PUNTE IN METALLO DURO INTEGRALE (3xD)

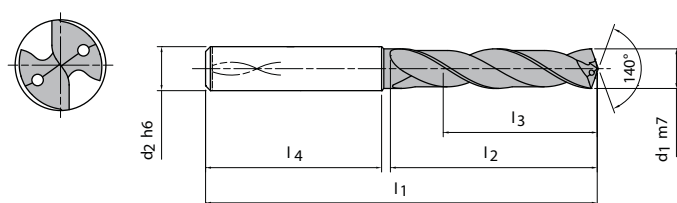
Specifiche:

Diametro punta: 1,00 – 20,00 mm\*  
 3,00 – 16,00 mm\*\* (per KGT3DFL)  
 Tolleranza foro: IT9 (ottenibile)  
 Rivestimento: TiAlN\* | Non rivestito\*\* (per KGT3DFL)  
 Numero taglienti: 2  
 Numero margini: 2\*\* (KGT3DFL)  
 Tipologia codolo: HA (DIN 6535)  
 Geometria punta: Speciale  
 Affilatura: 140°  
 Elica: 30°

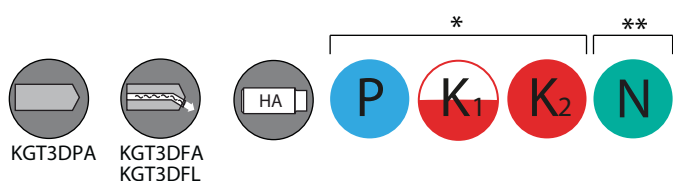
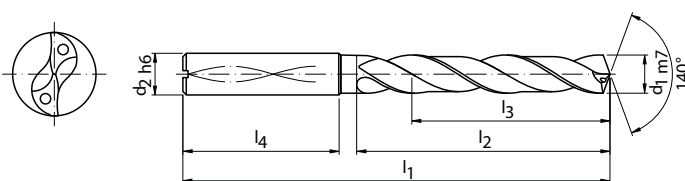
\*KGT3DPA – senza lubrificazione interna:



\*KGT3DFA – con lubrificazione interna:



\*\*KGT3DFL - con lubrificazione interna:



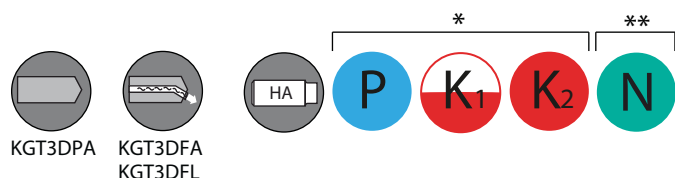
Dimensioni						KGT3DPA		KGT3DFA		KGT3DFL	
d1 m7	d2 h6	l1	l2	l3	l4	Codice	Stock	Codice	Stock	Codice	Stock
1.00	4	45	5	4	33	KGT3DPA.0100A	●	KGT3DFA.0100A		-	-
1.10	4	45	5.5	4	32.5	KGT3DPA.0110A	●	KGT3DFA.0110A		-	-
1.20	4	45	6	4	32.5	KGT3DPA.0120A	●	KGT3DFA.0120A		-	-
1.30	4	45	6.5	5	32	KGT3DPA.0130A	●	KGT3DFA.0130A		-	-
1.40	4	45	7	5	31.5	KGT3DPA.0140A	●	KGT3DFA.0140A		-	-
1.50	4	50	7.5	5	36.5	KGT3DPA.0150A	●	KGT3DFA.0150A		-	-
1.60	4	50	8	6	36	KGT3DPA.0160A	●	KGT3DFA.0160A		-	-
1.70	4	50	8.5	6	35.5	KGT3DPA.0170A	●	KGT3DFA.0170A		-	-
1.80	4	50	9	6	35.5	KGT3DPA.0180A	●	KGT3DFA.0180A		-	-
1.90	4	50	9.5	7	35	KGT3DPA.0190A	●	KGT3DFA.0190A		-	-
2.00	6	58	14	9	36	KGT3DPA.0200A	●	-	-	-	-
2.00	4	50	10	7	35	-	-	KGT3DFA.0200A	●	-	-
2.10	6	58	14	9	36	KGT3DPA.0210A	●	-	-	-	-
2.10	4	55	10.5	7	39.5	-	-	KGT3DFA.0210A	●	-	-
2.20	6	58	14	9	36	KGT3DPA.0220A	●	-	-	-	-
2.20	4	55	11	8	39	-	-	KGT3DFA.0220A	●	-	-
2.30	6	58	14	9	36	KGT3DPA.0230A	●	-	-	-	-
2.30	4	55	11.5	8	39	-	-	KGT3DFA.0230A	●	-	-
2.40	6	58	14	9	36	KGT3DPA.0240A	●	-	-	-	-
2.40	4	55	12	8	38.5	-	-	KGT3DFA.0240A	●	-	-
2.50	6	58	14	9	36	KGT3DPA.0250A	●	-	-	-	-
2.50	4	55	12.5	9	38	-	-	KGT3DFA.0250A	●	-	-
2.60	6	58	14	9	36	KGT3DPA.0260A	●	-	-	-	-
2.60	4	55	13	9	38	-	-	KGT3DFA.0260A	●	-	-
2.70	6	58	14	9	36	KGT3DPA.0270A	●	-	-	-	-
2.70	4	55	13.5	9	37.5	-	-	KGT3DFA.0270A	●	-	-
*2.80	6	58	14	9	36	KGT3DPA.0280A	●	-	-	-	-
*2.80	4	55	14	10	37.5	-	-	KGT3DFA.0280A	●	-	-
2.90	6	58	14	9	36	KGT3DPA.0290A	●	-	-	-	-
2.90	4	55	14.5	10	37	-	-	KGT3DFA.0290A	●	-	-

Dimensioni in mm.

Parametri pag. 54, 58

- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE (3xD)



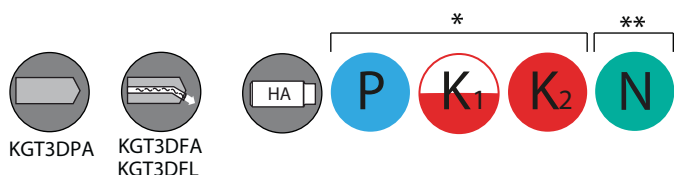
Dimensioni						KGT3DPA		KGT3DFA		KGT3DFL	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock	Codice	Stock
3,00	6	62	20	14	36	KGT3DPA.0300A	●	KGT3DFA.0300A	●	KGT3DFL.0300	○
3,10	6	62	20	14	36	KGT3DPA.0310A	●	KGT3DFA.0310A	●	-	-
3,20	6	62	20	14	36	KGT3DPA.0320A	●	KGT3DFA.0320A	●	-	-
3,30	6	62	20	14	36	KGT3DPA.0330A	●	KGT3DFA.0330A	●	-	-
3,40	6	62	20	14	36	KGT3DPA.0340A	●	KGT3DFA.0340A	●	-	-
3,50	6	62	20	14	36	KGT3DPA.0350A	●	KGT3DFA.0350A	●	KGT3DFL.0350	○
3,60	6	62	20	14	36	KGT3DPA.0360A	●	KGT3DFA.0360A	●	-	-
3,70	6	62	20	14	36	KGT3DPA.0370A	●	KGT3DFA.0370A	●	-	-
3,80	6	66	24	17	36	KGT3DPA.0380A	●	KGT3DFA.0380A	●	-	-
3,90	6	66	24	17	36	KGT3DPA.0390A	●	KGT3DFA.0390A	●	-	-
4,00	6	66	24	17	36	KGT3DPA.0400A	●	KGT3DFA.0400A	●	KGT3DFL.0400	○
4,10	6	66	24	17	36	KGT3DPA.0410A	●	KGT3DFA.0410A	●	-	-
4,20	6	66	24	17	36	KGT3DPA.0420A	●	KGT3DFA.0420A	●	-	-
4,30	6	66	24	17	36	KGT3DPA.0430A	●	KGT3DFA.0430A	●	-	-
4,40	6	66	24	17	36	KGT3DPA.0440A	●	KGT3DFA.0440A	●	-	-
4,50	6	66	24	17	36	KGT3DPA.0450A	●	KGT3DFA.0450A	●	KGT3DFL.0450	○
4,60	6	66	24	17	36	KGT3DPA.0460A	●	KGT3DFA.0460A	●	-	-
4,65	6	66	24	17	36	KGT3DPA.0465A	●	KGT3DFA.0465A	●	-	-
4,70	6	66	24	17	36	KGT3DPA.0470A	●	KGT3DFA.0470A	●	-	-
4,80	6	66	28	20	36	KGT3DPA.0480A	●	KGT3DFA.0480A	●	-	-
4,90	6	66	28	20	36	KGT3DPA.0490A	●	KGT3DFA.0490A	●	-	-
5,00	6	66	28	20	36	KGT3DPA.0500A	●	KGT3DFA.0500A	●	KGT3DFL.0500	○
5,10	6	66	28	20	36	KGT3DPA.0510A	●	KGT3DFA.0510A	●	-	-
5,20	6	66	28	20	36	KGT3DPA.0520A	●	KGT3DFA.0520A	●	-	-
5,30	6	66	28	20	36	KGT3DPA.0530A	●	KGT3DFA.0530A	●	-	-
5,40	6	66	28	20	36	KGT3DPA.0540A	●	KGT3DFA.0540A	●	-	-
5,50	6	66	28	20	36	KGT3DPA.0550A	●	KGT3DFA.0550A	●	KGT3DFL.0550	○
5,55	6	66	28	20	36	KGT3DPA.0555A	●	KGT3DFA.0555A	●	-	-
5,60	6	66	28	20	36	KGT3DPA.0560A	●	KGT3DFA.0560A	●	-	-
5,70	6	66	28	20	36	KGT3DPA.0570A	●	KGT3DFA.0570A	●	-	-
5,80	6	66	28	20	36	KGT3DPA.0580A	●	KGT3DFA.0580A	●	-	-
5,90	6	66	28	20	36	KGT3DPA.0590A	●	KGT3DFA.0590A	●	-	-
6,00	6	66	28	20	36	KGT3DPA.0600A	●	KGT3DFA.0600A	●	KGT3DFL.0600	○
6,10	8	79	34	24	36	KGT3DPA.0610A	●	KGT3DFA.0610A	●	-	-
6,20	8	79	34	24	36	KGT3DPA.0620A	●	KGT3DFA.0620A	●	-	-
6,30	8	79	34	24	36	KGT3DPA.0630A	●	KGT3DFA.0630A	●	-	-
6,40	8	79	34	24	36	KGT3DPA.0640A	●	KGT3DFA.0640A	●	-	-
6,50	8	79	34	24	36	KGT3DPA.0650A	●	KGT3DFA.0650A	●	KGT3DFL.0650	○
6,60	8	79	34	24	36	KGT3DPA.0660A	●	KGT3DFA.0660A	●	-	-
6,70	8	79	34	24	36	KGT3DPA.0670A	●	KGT3DFA.0670A	●	-	-
6,80	8	79	34	24	36	KGT3DPA.0680A	●	KGT3DFA.0680A	●	-	-
6,90	8	79	34	24	36	KGT3DPA.0690A	●	KGT3DFA.0690A	●	-	-
7,00	8	79	34	24	36	KGT3DPA.0700A	●	KGT3DFA.0700A	●	KGT3DFL.0700	○
7,10	8	79	41	29	36	KGT3DPA.0710A	●	KGT3DFA.0710A	●	-	-
7,20	8	79	41	29	36	KGT3DPA.0720A	●	KGT3DFA.0720A	●	-	-
7,30	8	79	41	29	36	KGT3DPA.0730A	●	KGT3DFA.0730A	●	-	-
7,40	8	79	41	29	36	KGT3DPA.0740A	●	KGT3DFA.0740A	●	-	-

Dimensioni in mm.

Parametri pag. 54, 58

- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE (3xD)



Dimensioni						KGT3DPA		KGT3DFA		KGT3DFL	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock	Codice	Stock
7,45	8	79	41	29	36	KGT3DPA.0745A	●	KGT3DFA.0745A	●	-	-
7,50	8	79	41	29	36	KGT3DPA.0750A	●	KGT3DFA.0750A	●	KGT3DFL.0750	○
7,60	8	79	41	29	36	KGT3DPA.0760A	●	KGT3DFA.0760A	●	-	-
7,70	8	79	41	29	36	KGT3DPA.0770A	●	KGT3DFA.0770A	●	-	-
7,80	8	79	41	29	36	KGT3DPA.0780A	●	KGT3DFA.0780A	●	-	-
7,90	8	79	41	29	36	KGT3DPA.0790A	●	KGT3DFA.0790A	●	-	-
8,00	8	79	41	29	36	KGT3DPA.0800A	●	KGT3DFA.0800A	●	KGT3DFL.0800	○
8,10	10	89	47	35	40	KGT3DPA.0810A	●	KGT3DFA.0810A	●	-	-
8,20	10	89	47	35	40	KGT3DPA.0820A	●	KGT3DFA.0820A	●	-	-
8,30	10	89	47	35	40	KGT3DPA.0830A	●	KGT3DFA.0830A	●	-	-
8,40	10	89	47	35	40	KGT3DPA.0840A	●	KGT3DFA.0840A	●	-	-
8,50	10	89	47	35	40	KGT3DPA.0850A	●	KGT3DFA.0850A	●	KGT3DFL.0850	○
8,60	10	89	47	35	40	KGT3DPA.0860A	●	KGT3DFA.0860A	●	-	-
8,70	10	89	47	35	40	KGT3DPA.0870A	●	KGT3DFA.0870A	●	-	-
8,80	10	89	47	35	40	KGT3DPA.0880A	●	KGT3DFA.0880A	●	-	-
8,90	10	89	47	35	40	KGT3DPA.0890A	●	KGT3DFA.0890A	●	-	-
9,00	10	89	47	35	40	KGT3DPA.0900A	●	KGT3DFA.0900A	●	KGT3DFL.0900	○
9,10	10	89	47	35	40	KGT3DPA.0910A	●	KGT3DFA.0910A	●	-	-
9,20	10	89	47	35	40	KGT3DPA.0920A	●	KGT3DFA.0920A	●	-	-
9,30	10	89	47	35	40	KGT3DPA.0930A	●	KGT3DFA.0930A	●	-	-
9,40	10	89	47	35	40	KGT3DPA.0940A	●	KGT3DFA.0940A	●	-	-
9,50	10	89	47	35	40	KGT3DPA.0950A	●	KGT3DFA.0950A	●	-	-
9,60	10	89	47	35	40	KGT3DPA.0960A	●	KGT3DFA.0960A	●	-	-
9,70	10	89	47	35	40	KGT3DPA.0970A	●	KGT3DFA.0970A	●	-	-
9,80	10	89	47	35	40	KGT3DPA.0980A	●	KGT3DFA.0980A	●	-	-
9,90	10	89	47	35	40	KGT3DPA.0990A	●	KGT3DFA.0990A	●	-	-
10,00	10	89	47	35	40	KGT3DPA.1000A	●	KGT3DFA.1000A	●	KGT3DFL.1000	○
10,10	12	102	55	40	45	KGT3DPA.1010A	●	KGT3DFA.1010A	●	-	-
10,20	12	102	55	40	45	KGT3DPA.1020A	●	KGT3DFA.1020A	●	-	-
10,30	12	102	55	40	45	KGT3DPA.1030A	●	KGT3DFA.1030A	●	-	-
10,40	12	102	55	40	45	KGT3DPA.1040A	●	KGT3DFA.1040A	●	-	-
10,50	12	102	55	40	45	KGT3DPA.1050A	●	KGT3DFA.1050A	●	-	-
10,60	12	102	55	40	45	KGT3DPA.1060A	●	KGT3DFA.1060A	●	-	-
10,70	12	102	55	40	45	KGT3DPA.1070A	●	KGT3DFA.1070A	●	-	-
10,80	12	102	55	40	45	KGT3DPA.1080A	●	KGT3DFA.1080A	●	-	-
10,90	12	102	55	40	45	KGT3DPA.1090A	●	KGT3DFA.1090A	●	-	-
11,00	12	102	55	40	45	KGT3DPA.1100A	●	KGT3DFA.1100A	●	KGT3DFL.1100	○
11,10	12	102	55	40	45	KGT3DPA.1110A	●	KGT3DFA.1110A	●	-	-
11,20	12	102	55	40	45	KGT3DPA.1120A	●	KGT3DFA.1120A	●	-	-
11,30	12	102	55	40	45	KGT3DPA.1130A	●	KGT3DFA.1130A	●	-	-
11,40	12	102	55	40	45	KGT3DPA.1140A	●	KGT3DFA.1140A	●	-	-
11,50	12	102	55	40	45	KGT3DPA.1150A	●	KGT3DFA.1150A	●	-	-
11,60	12	102	55	40	45	KGT3DPA.1160A	●	KGT3DFA.1160A	●	-	-
11,70	12	102	55	40	45	KGT3DPA.1170A	●	KGT3DFA.1170A	●	-	-
11,80	12	102	55	40	45	KGT3DPA.1180A	●	KGT3DFA.1180A	●	-	-
11,90	12	102	55	40	45	KGT3DPA.1190A	●	KGT3DFA.1190A	●	-	-
12,00	12	102	55	40	45	KGT3DPA.1200A	●	KGT3DFA.1200A	●	KGT3DFL.1200	○

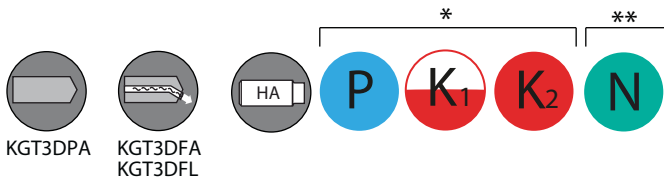
Dimensioni in mm.

Parametri pag. 54, 58

● A stock

○ Su richiesta

# PUNTE IN METALLO DURO INTEGRALE (3xD)



Dimensioni						KGT3DPA		KGT3DFA		KGT3DFL	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock	Codice	Stock
12,20	14	107	60	43	45	KGT3DPA.1220A	●	KGT3DFA.1220A	●	-	-
12,50	14	107	60	43	45	KGT3DPA.1250A	●	KGT3DFA.1250A	●	-	-
12,70	14	107	60	43	45	KGT3DPA.1270A	●	KGT3DFA.1270A	●	-	-
12,80	14	107	60	43	45	KGT3DPA.1280A	●	KGT3DFA.1280A	●	-	-
13,00	14	107	60	43	45	KGT3DPA.1300A	●	KGT3DFA.1300A	●	KGT3DFL.1300	○
13,20	14	107	60	43	45	KGT3DPA.1320A	●	KGT3DFA.1320A	●	-	-
13,50	14	107	60	43	45	KGT3DPA.1350A	●	KGT3DFA.1350A	●	-	-
13,70	14	107	60	43	45	KGT3DPA.1370A	●	KGT3DFA.1370A	●	-	-
13,80	14	107	60	43	45	KGT3DPA.1380A	●	KGT3DFA.1380A	●	-	-
14,00	14	107	60	43	45	KGT3DPA.1400A	●	KGT3DFA.1400A	●	KGT3DFL.1400	○
14,20	16	115	65	45	48	KGT3DPA.1420A	●	KGT3DFA.1420A	●	-	-
14,50	16	115	65	45	48	KGT3DPA.1450A	●	KGT3DFA.1450A	●	-	-
14,70	16	115	65	45	48	KGT3DPA.1470A	●	KGT3DFA.1470A	●	-	-
14,80	16	115	65	45	48	KGT3DPA.1480A	●	KGT3DFA.1480A	●	-	-
15,00	16	115	65	45	48	KGT3DPA.1500A	●	KGT3DFA.1500A	●	KGT3DFL.1500	○
15,50	16	115	65	45	48	KGT3DPA.1550A	●	KGT3DFA.1550A	●	-	-
15,70	16	115	65	45	48	KGT3DPA.1570A	●	KGT3DFA.1570A	●	-	-
15,80	16	115	65	45	48	KGT3DPA.1580A	●	KGT3DFA.1580A	●	-	-
16,00	16	115	65	45	48	KGT3DPA.1600A	●	KGT3DFA.1600A	●	KGT3DFL.1600	○
16,50	18	123	73	51	48	KGT3DPA.1650A	●	KGT3DFA.1650A	●	-	-
16,80	18	123	73	51	48	KGT3DPA.1680A	●	KGT3DFA.1680A	●	-	-
17,00	18	123	73	51	48	KGT3DPA.1700A	●	KGT3DFA.1700A	●	-	-
17,50	18	123	73	51	48	KGT3DPA.1750A	●	KGT3DFA.1750A	●	-	-
17,80	18	123	73	51	48	KGT3DPA.1780A	●	KGT3DFA.1780A	●	-	-
18,00	18	123	73	51	48	KGT3DPA.1800A	●	KGT3DFA.1800A	●	-	-
18,50	20	131	79	55	50	KGT3DPA.1850A	●	KGT3DFA.1850A	●	-	-
18,80	20	131	79	55	50	KGT3DPA.1880A	●	KGT3DFA.1880A	●	-	-
19,00	20	131	79	55	50	KGT3DPA.1900A	●	KGT3DFA.1900A	●	-	-
19,50	20	131	79	55	50	KGT3DPA.1950A	●	KGT3DFA.1950A	●	-	-
19,80	20	131	79	55	50	KGT3DPA.1980A	●	KGT3DFA.1980A	●	-	-
20,00	20	131	79	55	50	KGT3DPA.2000A	●	KGT3DFA.2000A	●	-	-

Dimensioni in mm.

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- A stock
- Su richiesta

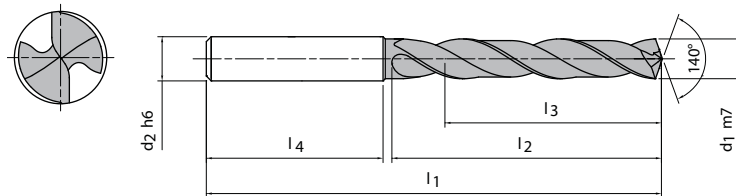


# PUNTE IN METALLO DURO INTEGRALE (5xD)

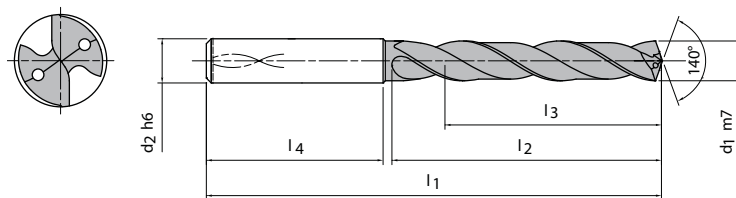
Specifiche:

Diametro punta: 1,00 – 20,00 mm\* | 2,80 - 16,00mm\*\*  
 Tolleranza foro: IT9 (ottenibile)  
 Rivestimento: TiAlN\* | Non rivestito\*\* (per KGT5DFL)  
 Numero taglienti: 2  
 Numero margini: 2\*\* (per KGT5DFL)  
 Tipologia codolo: HA (DIN 6535)  
 Geometria punta: Speciale  
 Affilatura: 140°  
 Elica: 30°

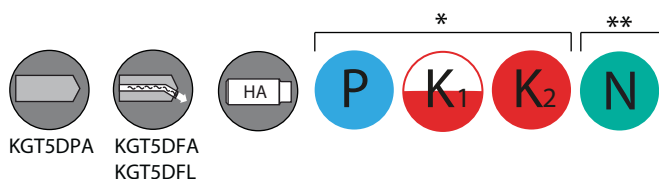
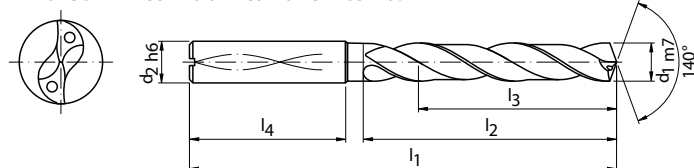
\*KGT5DPA - senza lubrificazione interna:



\*KGT5DFA - con lubrificazione interna:



\*\*KGT5DFL - con lubrificazione interna:



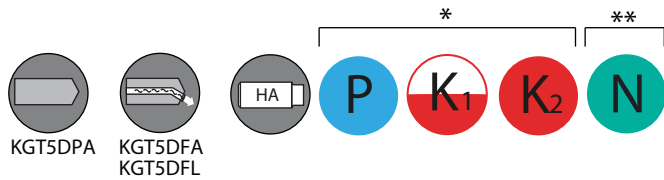
Dimensioni						KGT5DPA		KGT5DFA		KGT5DFL	
d1 m7	d2 h6	l1	l2	l3	l4	Codice	Stock	Codice	Stock	Codice	Stock
1.00	4	45	7	6	31			KGT5DFA.0100A			
1.10	4	45	7.5	6	30.5	-	-	KGT5DFA.0110A	●	-	-
1.20	4	45	8.5	7	30	-	-	KGT5DFA.0120A	●	-	-
1.30	4	45	9	7	29.5	-	-	KGT5DFA.0130A	●	-	-
1.40	4	45	10	8	29	-	-	KGT5DFA.0140A	●	-	-
1.50	4	50	10.5	8	33.5	-	-	KGT5DFA.0150A	●	-	-
1.60	4	50	11	9	33	-	-	KGT5DFA.0160A	●	-	-
1.70	4	50	12	9	32.5	-	-	KGT5DFA.0170A	●	-	-
1.80	4	50	12.5	10	32	-	-	KGT5DFA.0180A	●	-	-
1.90	4	50	13.5	10	31.5	-	-	KGT5DFA.0190A	●	-	-
2.00	4	50	14	11	31	-	-	KGT5DFA.0200A	●	-	-
2.10	4	55	14.5	12	35.5	-	-	KGT5DFA.0210A	●	-	-
2.20	4	55	15.5	12	34.5	-	-	KGT5DFA.0220A	●	-	-
2.30	4	55	16	13	34	-	-	KGT5DFA.0230A	●	-	-
2.40	4	55	17	13	33.5	-	-	KGT5DFA.0240A	●	-	-
2.50	4	55	17.5	14	33	-	-	KGT5DFA.0250A	●	-	-
2.60	4	55	18	14	32.5	-	-	KGT5DFA.0260A	●	-	-
2.70	4	55	19	15	32	-	-	KGT5DFA.0270A	●	-	-
2,80	6	66	28	23	36	-	-	KGT5DFA.0280A	●	KGT5DFL.0280	○
2.90	4	55	20.5	16	31	-	-	KGT5DFA.0290A	●	-	-
3,00	6	66	28	23	36	KGT5DPA.0300A	●	KGT5DFA.0300A	●	KGT5DFL.0300	●
3,10	6	66	28	23	36	KGT5DPA.0310A	●	KGT5DFA.0310A	●	KGT5DFL.0310	○
3,20	6	66	28	23	36	KGT5DPA.0320A	●	KGT5DFA.0320A	●	KGT5DFL.0320	●
3,30	6	66	28	23	36	KGT5DPA.0330A	●	KGT5DFA.0330A	●	KGT5DFL.0330	○
3,40	6	66	28	23	36	KGT5DPA.0340A	●	KGT5DFA.0340A	●	KGT5DFL.0340	○
3,50	6	66	28	23	36	KGT5DPA.0350A	●	KGT5DFA.0350A	●	KGT5DFL.0350	●
3,60	6	66	28	23	36	KGT5DPA.0360A	●	KGT5DFA.0360A	●	KGT5DFL.0360	○
3,70	6	66	28	23	36	KGT5DPA.0370A	●	KGT5DFA.0370A	●	KGT5DFL.0370	○
3,80	6	74	36	29	36	KGT5DPA.0380A	●	KGT5DFA.0380A	●	KGT5DFL.0380	●
3,90	6	74	36	29	36	KGT5DPA.0390A	●	KGT5DFA.0390A	●	KGT5DFL.0390	○
4,00	6	74	36	29	36	KGT5DPA.0400A	●	KGT5DFA.0400A	●	KGT5DFL.0400	●
4,10	6	74	36	29	36	KGT5DPA.0410A	●	KGT5DFA.0410A	●	KGT5DFL.0410	●

Dimensioni in mm.

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- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE (5xD)



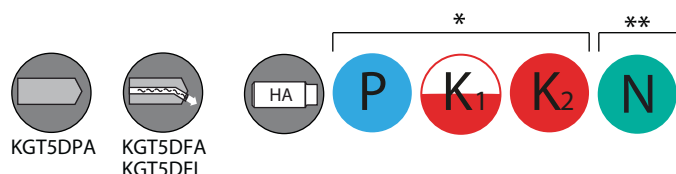
Dimensioni						KGT5DPA		KGT5DFA		KGT5DFL	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock	Codice	Stock
4,20	6	74	36	29	36	KGT5DPA.0420A	●	KGT5DFA.0420A	●	KGT5DFL.0420	●
4,30	6	74	36	29	36	KGT5DPA.0430A	●	KGT5DFA.0430A	●	KGT5DFL.0430	●
4,40	6	74	36	29	36	KGT5DPA.0440A	●	KGT5DFA.0440A	●	KGT5DFL.0440	○
4,50	6	74	36	29	36	KGT5DPA.0450A	●	KGT5DFA.0450A	●	KGT5DFL.0450	●
4,60	6	74	36	29	36	KGT5DPA.0460A	●	KGT5DFA.0460A	●	KGT5DFL.0460	○
4,65	6	74	36	29	36	KGT5DPA.0465A	●	KGT5DFA.0465A	●	KGT5DFL.0465	○
4,70	6	74	36	29	36	KGT5DPA.0470A	●	KGT5DFA.0470A	●	KGT5DFL.0470	○
4,80	6	82	44	35	36	KGT5DPA.0480A	●	KGT5DFA.0480A	●	KGT5DFL.0480	●
4,90	6	82	44	35	36	KGT5DPA.0490A	●	KGT5DFA.0490A	●	KGT5DFL.0490	○
5,00	6	82	44	35	36	KGT5DPA.0500A	●	KGT5DFA.0500A	●	KGT5DFL.0500	●
5,10	6	82	44	35	36	KGT5DPA.0510A	●	KGT5DFA.0510A	●	KGT5DFL.0510	●
5,20	6	82	44	35	36	KGT5DPA.0520A	●	KGT5DFA.0520A	●	KGT5DFL.0520	○
5,30	6	82	44	35	36	KGT5DPA.0530A	●	KGT5DFA.0530A	●	KGT5DFL.0530	●
5,40	6	82	44	35	36	KGT5DPA.0540A	●	KGT5DFA.0540A	●	KGT5DFL.0540	●
5,50	6	82	44	35	36	KGT5DPA.0550A	●	KGT5DFA.0550A	●	KGT5DFL.0550	●
5,55	6	82	44	35	36	KGT5DPA.0555A	●	KGT5DFA.0555A	●	KGT5DFL.0555	●
5,60	6	82	44	35	36	KGT5DPA.0560A	●	KGT5DFA.0560A	●	KGT5DFL.0560	○
5,70	6	82	44	35	36	KGT5DPA.0570A	●	KGT5DFA.0570A	●	KGT5DFL.0570	○
5,80	6	82	44	35	36	KGT5DPA.0580A	●	KGT5DFA.0580A	●	KGT5DFL.0580	●
5,90	6	82	44	35	36	KGT5DPA.0590A	●	KGT5DFA.0590A	●	KGT5DFL.0590	●
6,00	6	82	44	35	36	KGT5DPA.0600A	●	KGT5DFA.0600A	●	KGT5DFL.0600	●
6,10	8	91	53	43	36	KGT5DPA.0610A	●	KGT5DFA.0610A	●	KGT5DFL.0610	●
6,20	8	91	53	43	36	KGT5DPA.0620A	●	KGT5DFA.0620A	●	KGT5DFL.0620	●
6,30	8	91	53	43	36	KGT5DPA.0630A	●	KGT5DFA.0630A	●	KGT5DFL.0630	●
6,40	8	91	53	43	36	KGT5DPA.0640A	●	KGT5DFA.0640A	●	KGT5DFL.0640	●
6,50	8	91	53	43	36	KGT5DPA.0650A	●	KGT5DFA.0650A	●	KGT5DFL.0650	○
6,60	8	91	53	43	36	KGT5DPA.0660A	●	KGT5DFA.0660A	●	KGT5DFL.0660	●
6,70	8	91	53	43	36	KGT5DPA.0670A	●	KGT5DFA.0670A	●	KGT5DFL.0670	●
6,80	8	91	53	43	36	KGT5DPA.0680A	●	KGT5DFA.0680A	●	KGT5DFL.0680	●
6,90	8	91	53	43	36	KGT5DPA.0690A	●	KGT5DFA.0690A	●	KGT5DFL.0690	●
7,00	8	91	53	43	36	KGT5DPA.0700A	●	KGT5DFA.0700A	●	KGT5DFL.0700	●
7,10	8	91	53	43	36	KGT5DPA.0710A	●	KGT5DFA.0710A	●	KGT5DFL.0710	○
7,20	8	91	53	43	36	KGT5DPA.0720A	●	KGT5DFA.0720A	●	KGT5DFL.0720	○
7,30	8	91	53	43	36	KGT5DPA.0730A	●	KGT5DFA.0730A	●	KGT5DFL.0730	●
7,40	8	91	53	43	36	KGT5DPA.0740A	●	KGT5DFA.0740A	●	KGT5DFL.0740	●
7,45	8	91	53	43	36	KGT5DPA.0745A	●	KGT5DFA.0745A	●	KGT5DFL.0745	○
7,50	8	91	53	43	36	KGT5DPA.0750A	●	KGT5DFA.0750A	●	KGT5DFL.0750	●
7,60	8	91	53	43	36	KGT5DPA.0760A	●	KGT5DFA.0760A	●	KGT5DFL.0760	○
7,70	8	91	53	43	36	KGT5DPA.0770A	●	KGT5DFA.0770A	●	KGT5DFL.0770	●
7,80	8	91	53	43	36	KGT5DPA.0780A	●	KGT5DFA.0780A	●	KGT5DFL.0780	●
7,90	8	91	53	43	36	KGT5DPA.0790A	●	KGT5DFA.0790A	●	KGT5DFL.0790	○
8,00	8	91	53	43	36	KGT5DPA.0800A	●	KGT5DFA.0800A	●	KGT5DFL.0800	●
8,10	10	103	61	49	40	KGT5DPA.0810A	●	KGT5DFA.0810A	●	KGT5DFL.0810	○
8,20	10	103	61	49	40	KGT5DPA.0820A	●	KGT5DFA.0820A	●	KGT5DFL.0820	○
8,30	10	103	61	49	40	KGT5DPA.0830A	●	KGT5DFA.0830A	●	KGT5DFL.0830	●
8,40	10	103	61	49	40	KGT5DPA.0840A	●	KGT5DFA.0840A	●	KGT5DFL.0840	○
8,50	10	103	61	49	40	KGT5DPA.0850A	●	KGT5DFA.0850A	●	KGT5DFL.0850	●
8,60	10	103	61	49	40	KGT5DPA.0860A	●	KGT5DFA.0860A	●	KGT5DFL.0860	○

Dimensioni in mm.

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- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE (5xD)



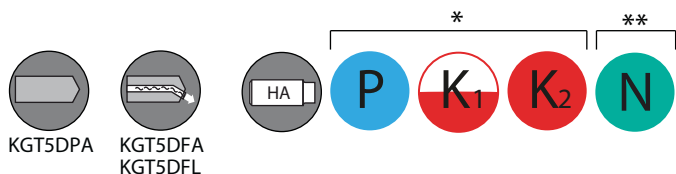
Dimensioni						KGT5DPA		KGT5DFA		KGT5DFL	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock	Codice	Stock
8,70	10	103	61	49	40	KGT5DPA.0870A	●	KGT5DFA.0870A	●	KGT5DFL.0870	○
8,80	10	103	61	49	40	KGT5DPA.0880A	●	KGT5DFA.0880A	●	KGT5DFL.0880	●
8,90	10	103	61	49	40	KGT5DPA.0890A	●	KGT5DFA.0890A	●	KGT5DFL.0890	○
9,00	10	103	61	49	40	KGT5DPA.0900A	●	KGT5DFA.0900A	●	KGT5DFL.0900	●
9,10	10	103	61	49	40	KGT5DPA.0910A	●	KGT5DFA.0910A	●	KGT5DFL.0910	○
9,20	10	103	61	49	40	KGT5DPA.0920A	●	KGT5DFA.0920A	●	KGT5DFL.0920	○
9,30	10	103	61	49	40	KGT5DPA.0930A	●	KGT5DFA.0930A	●	KGT5DFL.0930	●
9,40	10	103	61	49	40	KGT5DPA.0940A	●	KGT5DFA.0940A	●	KGT5DFL.0940	○
9,50	10	103	61	49	40	KGT5DPA.0950A	●	KGT5DFA.0950A	●	KGT5DFL.0950	○
9,60	10	103	61	49	40	KGT5DPA.0960A	●	KGT5DFA.0960A	●	KGT5DFL.0960	●
9,70	10	103	61	49	40	KGT5DPA.0970A	●	KGT5DFA.0970A	●	KGT5DFL.0970	●
9,80	10	103	61	49	40	KGT5DPA.0980A	●	KGT5DFA.0980A	●	KGT5DFL.0980	○
9,90	10	103	61	49	40	KGT5DPA.0990A	●	KGT5DFA.0990A	●	KGT5DFL.0990	○
10,00	10	103	61	49	40	KGT5DPA.1000A	●	KGT5DFA.1000A	●	KGT5DFL.1000	●
10,10	12	118	71	56	45	KGT5DPA.1010A	●	KGT5DFA.1010A	●	KGT5DFL.1010	○
10,20	12	118	71	56	45	KGT5DPA.1020A	●	KGT5DFA.1020A	●	KGT5DFL.1020	○
10,30	12	118	71	56	45	KGT5DPA.1030A	●	KGT5DFA.1030A	●	KGT5DFL.1030	●
10,40	12	118	71	56	45	KGT5DPA.1040A	●	KGT5DFA.1040A	●	KGT5DFL.1040	○
10,50	12	118	71	56	45	KGT5DPA.1050A	●	KGT5DFA.1050A	●	KGT5DFL.1050	○
10,60	12	118	71	56	45	KGT5DPA.1060A	●	KGT5DFA.1060A	●	KGT5DFL.1060	○
10,70	12	118	71	56	45	KGT5DPA.1070A	●	KGT5DFA.1070A	●	KGT5DFL.1070	○
10,80	12	118	71	56	45	KGT5DPA.1080A	●	KGT5DFA.1080A	●	KGT5DFL.1080	●
10,90	12	118	71	56	45	KGT5DPA.1090A	●	KGT5DFA.1090A	●	KGT5DFL.1090	○
11,00	12	118	71	56	45	KGT5DPA.1100A	●	KGT5DFA.1100A	●	KGT5DFL.1100	●
11,10	12	118	71	56	45	KGT5DPA.1110A	●	KGT5DFA.1110A	●	-	-
11,20	12	118	71	56	45	KGT5DPA.1120A	●	KGT5DFA.1120A	●	KGT5DFL.1120	●
11,30	12	118	71	56	45	KGT5DPA.1130A	●	KGT5DFA.1130A	●	-	-
11,40	12	118	71	56	45	KGT5DPA.1140A	●	KGT5DFA.1140A	●	-	-
11,50	12	118	71	56	45	KGT5DPA.1150A	●	KGT5DFA.1150A	●	KGT5DFL.1150	○
11,60	12	118	71	56	45	KGT5DPA.1160A	●	KGT5DFA.1160A	●	-	-
11,70	12	118	71	56	45	KGT5DPA.1170A	●	KGT5DFA.1170A	●	-	-
11,80	12	118	71	56	45	KGT5DPA.1180A	●	KGT5DFA.1180A	●	-	-
11,90	12	118	71	56	45	KGT5DPA.1190A	●	KGT5DFA.1190A	●	-	-
12,00	12	118	71	56	45	KGT5DPA.1200A	●	KGT5DFA.1200A	●	KGT5DFL.1200	●
12,20	14	124	77	60	45	KGT5DPA.1220A	●	KGT5DFA.1220A	●	-	-
12,50	14	124	77	60	45	KGT5DPA.1250A	●	KGT5DFA.1250A	●	KGT5DFL.1250	○
12,70	14	124	77	60	45	KGT5DPA.1270A	●	KGT5DFA.1270A	●	-	-
12,80	14	124	77	60	45	KGT5DPA.1280A	●	KGT5DFA.1280A	●	-	-
13,00	14	124	77	60	45	KGT5DPA.1300A	●	KGT5DFA.1300A	●	KGT5DFL.1300	○
13,10	14	124	77	60	45	KGT5DPA.1310A	●	KGT5DFA.1310A	●	-	-
13,20	14	124	77	60	45	KGT5DPA.1320A	●	KGT5DFA.1320A	●	-	-
13,50	14	124	77	60	45	KGT5DPA.1350A	●	KGT5DFA.1350A	●	KGT5DFL.1350	●
13,70	14	124	77	60	45	KGT5DPA.1370A	●	KGT5DFA.1370A	●	-	-
13,80	14	124	77	60	45	KGT5DPA.1380A	●	KGT5DFA.1380A	●	-	-
14,00	14	124	77	60	45	KGT5DPA.1400A	●	KGT5DFA.1400A	●	KGT5DFL.1400	●
14,20	16	133	83	63	48	KGT5DPA.1420A	●	KGT5DFA.1420A	●	-	-
14,50	16	133	83	63	48	KGT5DPA.1450A	●	KGT5DFA.1450A	●	KGT5DFL.1450	○

Dimensioni in mm.

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- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE (5xD)



Dimensioni						KGT5DPA		KGT5DFA		KGT5DFL	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock	Codice	Stock
14,70	16	133	83	63	48	KGT5DPA.1470A	●	KGT5DFA.1470A	●	-	-
14,80	16	133	83	63	48	KGT5DPA.1480A	●	KGT5DFA.1480A	●	KGT5DFL.1480	○
15,00	16	133	83	63	48	KGT5DPA.1500A	●	KGT5DFA.1500A	●	KGT5DFL.1500	○
15,10	16	133	83	63	48	KGT5DPA.1510A	●	KGT5DFA.1510A	●	-	-
15,50	16	133	83	63	48	KGT5DPA.1550A	●	KGT5DFA.1550A	●	KGT5DFL.1550	○
15,70	16	133	83	63	48	KGT5DPA.1570A	●	KGT5DFA.1570A	●	-	-
15,80	16	133	83	63	48	KGT5DPA.1580A	●	KGT5DFA.1580A	●	KGT5DFL.1580	●
16,00	16	133	83	63	48	KGT5DPA.1600A	●	KGT5DFA.1600A	●	KGT5DFL.1600	○
16,50	18	143	93	71	48	KGT5DPA.1650A	●	KGT5DFA.1650A	●	-	-
16,80	18	143	93	71	48	KGT5DPA.1680A	●	KGT5DFA.1680A	●	-	-
17,00	18	143	93	71	48	KGT5DPA.1700A	●	KGT5DFA.1700A	●	-	-
17,50	18	143	93	71	48	KGT5DPA.1750A	●	KGT5DFA.1750A	●	-	-
17,80	18	143	93	71	48	KGT5DPA.1780A	●	KGT5DFA.1780A	●	-	-
18,00	18	143	93	71	48	KGT5DPA.1800A	●	KGT5DFA.1800A	●	-	-
18,50	20	153	101	77	50	KGT5DPA.1850A	●	KGT5DFA.1850A	●	-	-
18,80	20	153	101	77	50	KGT5DPA.1880A	●	KGT5DFA.1880A	●	-	-
19,00	20	153	101	77	50	KGT5DPA.1900A	●	KGT5DFA.1900A	●	-	-
19,50	20	153	101	77	50	KGT5DPA.1950A	●	KGT5DFA.1950A	●	-	-
19,80	20	153	101	77	50	KGT5DPA.1980A	●	KGT5DFA.1980A	●	-	-
20,00	20	153	101	77	50	KGT5DPA.2000A	●	KGT5DFA.2000A	●	-	-

Dimensioni in mm.

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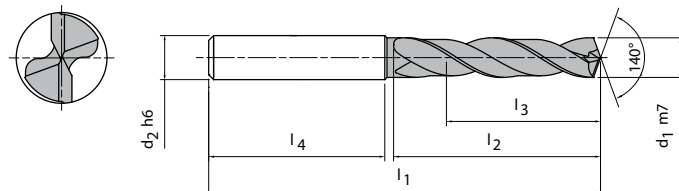
- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE PER INOX (3xD)

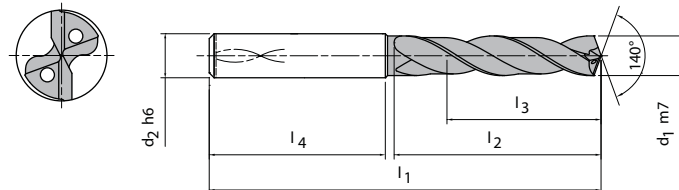
Specifiche:

Diametro punta: 1,00 – 20,00 mm  
 Tolleranza foro: IT9 (ottenibile)  
 Rivestimento: TiAlN  
 Numero taglienti: 2  
 Tipologia codolo: HA (DIN 6535)  
 Geometria punta: Speciale  
 Affilatura: 140°  
 Elica: 30°

KGT4DPA – Senza lubrificazione interna:



KGT4DFA – Con lubrificazione interna



KGT4DPA KGT4DFA

Dimensioni						KGT4DPA		KGT4DFA	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
1.00	4	45	6	5	32	KGT4DPA.0100A	●	KGT4DFA.0100A	●
1.10	4	45	6.5	5	31.5	KGT4DPA.0110A	●	KGT4DFA.0110A	●
1.20	4	45	7	5	31	KGT4DPA.0120A	●	KGT4DFA.0120A	●
1.30	4	45	8	6	30.5	KGT4DPA.0130A	●	KGT4DFA.0130A	●
1.40	4	45	8.5	6	30	KGT4DPA.0140A	●	KGT4DFA.0140A	●
1.50	4	50	9	7	35	KGT4DPA.0150A	●	KGT4DFA.0150A	●
1.60	4	50	9.5	7	34.5	KGT4DPA.0160A	●	KGT4DFA.0160A	●
1.70	4	50	10	8	34	KGT4DPA.0170A	●	KGT4DFA.0170A	●
1.80	4	50	11	8	33.5	KGT4DPA.0180A	●	KGT4DFA.0180A	●
1.90	4	50	11.5	9	33	KGT4DPA.0190A	●	KGT4DFA.0190A	●
2.00	6	58	16	11	36	KGT4DPA.0200A	●	-	-
2.00	4	50	12	9	33	-	-	KGT4DFA.0200A	●
2.10	6	58	16	11	36	KGT4DPA.0210A	●	-	-
2.10	4	55	12.5	9	37.5	-	-	KGT4DFA.0210A	●
2.20	6	58	16	11	36	KGT4DPA.0220A	●	-	-
2.20	4	55	13	10	37	-	-	KGT4DFA.0220A	●
2.30	6	58	16	11	36	KGT4DPA.0230A	●	-	-
2.30	4	55	14	10	36.5	-	-	KGT4DFA.0230A	●
2.40	6	58	16	11	36	KGT4DPA.0240A	●	-	-
2.40	4	55	14.5	11	36	-	-	KGT4DFA.0240A	●
2.50	6	58	16	11	36	KGT4DPA.0250A	●	-	-
2.50	4	55	15	11	35.5	-	-	KGT4DFA.0250A	●
2.60	6	58	16	11	36	KGT4DPA.0260A	●	-	-
2.60	4	55	15.5	12	35.5	-	-	KGT4DFA.0260A	●
2.70	6	58	16	11	36	KGT4DPA.0270A	●	-	-
2.70	4	55	16	12	35	-	-	KGT4DFA.0270A	●
*2.80	6	58	16	11	36	KGT4DPA.0280A	●	-	-
*2.80	4	55	17	13	34.5	-	-	KGT4DFA.0280A	●
2.90	6	58	16	11	36	KGT4DPA.0290A	●	-	-
2.90	4	55	17.5	13	34	-	-	KGT4DFA.0290A	●
3,00	6	62	22	16	36	KGT4DPA.0300A	●	KGT4DFA.0300A	●
3,10	6	62	22	16	36	KGT4DPA.0310A	●	KGT4DFA.0310A	●
3,20	6	62	22	16	36	KGT4DPA.0320A	●	KGT4DFA.0320A	●

Dimensioni in mm.

● A stock  
 ○ Su richiesta

Parametri pag. 59

# PUNTE IN METALLO DURO INTEGRALE PER INOX(3xD)



KGT4DPA KGT4DFA

Dimensioni						KGT4DPA		KGT4DFA	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
3,30	6	62	22	16	36	KGT4DPA.0330A	●	KGT4DFA.0330A	●
3,40	6	62	22	16	36	KGT4DPA.0340A	●	KGT4DFA.0340A	●
3,50	6	62	22	16	36	KGT4DPA.0350A	●	KGT4DFA.0350A	●
3,60	6	62	22	16	36	KGT4DPA.0360A	●	KGT4DFA.0360A	●
3,70	6	62	22	16	36	KGT4DPA.0370A	●	KGT4DFA.0370A	●
3,80	6	66	26	22	36	KGT4DPA.0380A	●	KGT4DFA.0380A	●
3,90	6	66	26	22	36	KGT4DPA.0390A	●	KGT4DFA.0390A	●
4,00	6	66	26	22	36	KGT4DPA.0400A	●	KGT4DFA.0400A	●
4,10	6	66	26	22	36	KGT4DPA.0410A	●	KGT4DFA.0410A	●
4,20	6	66	26	22	36	KGT4DPA.0420A	●	KGT4DFA.0420A	●
4,30	6	66	26	22	36	KGT4DPA.0430A	●	KGT4DFA.0430A	●
4,40	6	66	26	22	36	KGT4DPA.0440A	●	KGT4DFA.0440A	●
4,50	6	66	26	22	36	KGT4DPA.0450A	●	KGT4DFA.0450A	●
4,60	6	66	26	22	36	KGT4DPA.0460A	●	KGT4DFA.0460A	●
4,65	6	66	26	22	36	KGT4DPA.0465A	●	KGT4DFA.0465A	●
4,70	6	66	26	22	36	KGT4DPA.0470A	●	KGT4DFA.0470A	●
4,80	6	66	30	24	36	KGT4DPA.0480A	●	KGT4DFA.0480A	●
4,90	6	66	30	24	36	KGT4DPA.0490A	●	KGT4DFA.0490A	●
5,00	6	66	30	24	36	KGT4DPA.0500A	●	KGT4DFA.0500A	●
5,10	6	66	30	24	36	KGT4DPA.0510A	●	KGT4DFA.0510A	●
5,20	6	66	30	24	36	KGT4DPA.0520A	●	KGT4DFA.0520A	●
5,30	6	66	30	24	36	KGT4DPA.0530A	●	KGT4DFA.0530A	●
5,40	6	66	30	24	36	KGT4DPA.0540A	●	KGT4DFA.0540A	●
5,50	6	66	30	24	36	KGT4DPA.0550A	●	KGT4DFA.0550A	●
5,55	6	66	30	24	36	KGT4DPA.0555A	●	KGT4DFA.0555A	●
5,60	6	66	30	24	36	KGT4DPA.0560A	●	KGT4DFA.0560A	●
5,70	6	66	30	24	36	KGT4DPA.0570A	●	KGT4DFA.0570A	●
5,80	6	66	30	24	36	KGT4DPA.0580A	●	KGT4DFA.0580A	●
5,90	6	66	30	24	36	KGT4DPA.0590A	●	KGT4DFA.0590A	●
6,00	6	66	30	24	36	KGT4DPA.0600A	●	KGT4DFA.0600A	●
6,10	8	79	38	30	36	KGT4DPA.0610A	●	KGT4DFA.0610A	●
6,20	8	79	38	30	36	KGT4DPA.0620A	●	KGT4DFA.0620A	●
6,30	8	79	38	30	36	KGT4DPA.0630A	●	KGT4DFA.0630A	●
6,40	8	79	38	30	36	KGT4DPA.0640A	●	KGT4DFA.0640A	●
6,50	8	79	38	30	36	KGT4DPA.0650A	●	KGT4DFA.0650A	●
6,60	8	79	38	30	36	KGT4DPA.0660A	●	KGT4DFA.0660A	●
6,70	8	79	38	30	36	KGT4DPA.0670A	●	KGT4DFA.0670A	●
6,80	8	79	38	30	36	KGT4DPA.0680A	●	KGT4DFA.0680A	●
6,90	8	79	38	30	36	KGT4DPA.0690A	●	KGT4DFA.0690A	●
7,00	8	79	38	30	36	KGT4DPA.0700A	●	KGT4DFA.0700A	●
7,10	8	79	42	34	36	KGT4DPA.0710A	●	KGT4DFA.0710A	●
7,20	8	79	42	34	36	KGT4DPA.0720A	●	KGT4DFA.0720A	●
7,30	8	79	42	34	36	KGT4DPA.0730A	●	KGT4DFA.0730A	●
7,40	8	79	42	34	36	KGT4DPA.0740A	●	KGT4DFA.0740A	●
7,45	8	79	42	34	36	KGT4DPA.0745A	●	KGT4DFA.0745A	●
7,50	8	79	42	34	36	KGT4DPA.0750A	●	KGT4DFA.0750A	●
7,60	8	79	42	34	36	KGT4DPA.0760A	●	KGT4DFA.0760A	●
7,70	8	79	42	34	36	KGT4DPA.0770A	●	KGT4DFA.0770A	●
7,80	8	79	42	34	36	KGT4DPA.0780A	●	KGT4DFA.0780A	●
7,90	8	79	42	34	36	KGT4DPA.0790A	●	KGT4DFA.0790A	●

Dimensioni in mm.

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- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE PER INOX(3xD)



KGT4DPA KGT4DFA

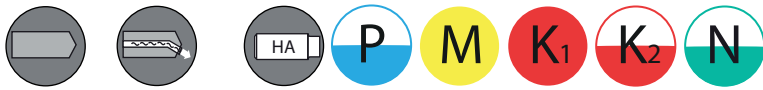
Dimensioni						KGT4DPA		KGT4DFA	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
8,00	8	79	42	34	36	KGT4DPA.0800A	●	KGT4DFA.0800A	●
8,10	10	89	49	38	40	KGT4DPA.0810A	●	KGT4DFA.0810A	●
8,20	10	89	49	38	40	KGT4DPA.0820A	●	KGT4DFA.0820A	●
8,30	10	89	49	38	40	KGT4DPA.0830A	●	KGT4DFA.0830A	●
8,40	10	89	49	38	40	KGT4DPA.0840A	●	KGT4DFA.0840A	●
8,50	10	89	49	38	40	KGT4DPA.0850A	●	KGT4DFA.0850A	●
8,60	10	89	49	38	40	KGT4DPA.0860A	●	KGT4DFA.0860A	●
8,70	10	89	49	38	40	KGT4DPA.0870A	●	KGT4DFA.0870A	●
8,80	10	89	49	38	40	KGT4DPA.0880A	●	KGT4DFA.0880A	●
8,90	10	89	49	38	40	KGT4DPA.0890A	●	KGT4DFA.0890A	●
9,00	10	89	49	38	40	KGT4DPA.0900A	●	KGT4DFA.0900A	●
9,10	10	89	49	38	40	KGT4DPA.0910A	●	KGT4DFA.0910A	●
9,20	10	89	49	38	40	KGT4DPA.0920A	●	KGT4DFA.0920A	●
9,30	10	89	49	40	40	KGT4DPA.0930A	●	KGT4DFA.0930A	●
9,40	10	89	49	40	40	KGT4DPA.0940A	●	KGT4DFA.0940A	●
9,50	10	89	49	40	40	KGT4DPA.0950A	●	KGT4DFA.0950A	●
9,60	10	89	49	40	40	KGT4DPA.0960A	●	KGT4DFA.0960A	●
9,70	10	89	49	40	40	KGT4DPA.0970A	●	KGT4DFA.0970A	●
9,80	10	89	49	40	40	KGT4DPA.0980A	●	KGT4DFA.0980A	●
9,90	10	89	49	40	40	KGT4DPA.0990A	●	KGT4DFA.0990A	●
10,0	10	89	49	40	40	KGT4DPA.1000A	●	KGT4DFA.1000A	●
10,10	12	102	56	45	45	KGT4DPA.1010A	●	KGT4DFA.1010A	●
10,20	12	102	56	45	45	KGT4DPA.1020A	●	KGT4DFA.1020A	●
10,30	12	102	56	45	45	KGT4DPA.1030A	●	KGT4DFA.1030A	●
10,40	12	102	56	45	45	KGT4DPA.1040A	●	KGT4DFA.1040A	●
10,50	12	102	56	45	45	KGT4DPA.1050A	●	KGT4DFA.1050A	●
10,60	12	102	56	45	45	KGT4DPA.1060A	●	KGT4DFA.1060A	●
10,70	12	102	56	45	45	KGT4DPA.1070A	●	KGT4DFA.1070A	●
10,80	12	102	56	45	45	KGT4DPA.1080A	●	KGT4DFA.1080A	●
10,90	12	102	56	45	45	KGT4DPA.1090A	●	KGT4DFA.1090A	●
11,00	12	102	56	45	45	KGT4DPA.1100A	●	KGT4DFA.1100A	●
11,10	12	102	56	45	45	KGT4DPA.1110A	●	KGT4DFA.1110A	●
11,20	12	102	56	45	45	KGT4DPA.1120A	●	KGT4DFA.1120A	●
11,30	12	102	56	45	45	KGT4DPA.1130A	●	KGT4DFA.1130A	●
11,40	12	102	56	45	45	KGT4DPA.1140A	●	KGT4DFA.1140A	●
11,50	12	102	56	45	45	KGT4DPA.1150A	●	KGT4DFA.1150A	●
11,60	12	102	56	45	45	KGT4DPA.1160A	●	KGT4DFA.1160A	●
11,70	12	102	56	45	45	KGT4DPA.1170A	●	KGT4DFA.1170A	●
11,80	12	102	56	45	45	KGT4DPA.1180A	●	KGT4DFA.1180A	●
11,90	12	102	56	45	45	KGT4DPA.1190A	●	KGT4DFA.1190A	●
12,00	12	102	56	45	45	KGT4DPA.1200A	●	KGT4DFA.1200A	●
12,20	14	107	61	50	45	KGT4DPA.1220A	●	KGT4DFA.1220A	●
12,50	14	107	61	50	45	KGT4DPA.1250A	●	KGT4DFA.1250A	●
12,70	14	107	61	50	45	KGT4DPA.1270A	●	KGT4DFA.1270A	●
12,80	14	107	61	50	45	KGT4DPA.1280A	●	KGT4DFA.1280A	●
13,00	14	107	61	50	45	KGT4DPA.1300A	●	KGT4DFA.1300A	●
13,20	14	107	61	50	45	KGT4DPA.1320A	●	KGT4DFA.1320A	●
13,50	14	107	61	50	45	KGT4DPA.1350A	●	KGT4DFA.1350A	●
13,70	14	107	61	50	45	KGT4DPA.1370A	●	KGT4DFA.1370A	●

Dimensioni in mm.

Parametri pag. 59

- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE PER INOX (3xD)



KGT4DPA KGT4DFA

Dimensioni						KGT4DPA		KGT4DFA	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
13,80	14	107	61	50	45	KGT4DPA.1380A	●	KGT4DFA.1380A	●
14,00	14	107	61	50	45	KGT4DPA.1400A	●	KGT4DFA.1400A	●
14,20	16	115	65	51	48	KGT4DPA.1420A	●	KGT4DFA.1420A	●
14,50	16	115	65	51	48	KGT4DPA.1450A	●	KGT4DFA.1450A	●
14,70	16	115	65	51	48	KGT4DPA.1470A	●	KGT4DFA.1470A	●
14,80	16	115	65	51	48	KGT4DPA.1480A	●	KGT4DFA.1480A	●
15,00	16	115	65	51	48	KGT4DPA.1500A	●	KGT4DFA.1500A	●
15,10	16	115	65	51	48	KGT4DPA.1510A	●	KGT4DFA.1510A	●
15,20	16	115	65	51	48	KGT4DPA.1520A	●	KGT4DFA.1520A	●
15,50	16	115	65	51	48	KGT4DPA.1550A	●	KGT4DFA.1550A	●
15,70	16	115	65	51	48	KGT4DPA.1570A	●	KGT4DFA.1570A	●
15,80	16	115	65	51	48	KGT4DPA.1580A	●	KGT4DFA.1580A	●
16,00	16	115	65	51	48	KGT4DPA.1600A	●	KGT4DFA.1600A	●
16,50	18	123	73	53	48	KGT4DPA.1650A	●	KGT4DFA.1650A	●
16,80	18	123	73	53	48	KGT4DPA.1680A	●	KGT4DFA.1680A	●
17,00	18	123	73	53	48	KGT4DPA.1700A	●	KGT4DFA.1700A	●
17,30	18	123	73	53	48	KGT4DPA.1730A	●	KGT4DFA.1730A	●
17,50	18	123	73	53	48	KGT4DPA.1750A	●	KGT4DFA.1750A	●
17,70	18	123	73	53	48	KGT4DPA.1770A	●	KGT4DFA.1770A	●
17,80	18	123	73	53	48	KGT4DPA.1780A	●	KGT4DFA.1780A	●
18,00	18	123	73	53	48	KGT4DPA.1800A	●	KGT4DFA.1800A	●
18,50	20	131	79	55	50	KGT4DPA.1850A	●	KGT4DFA.1850A	●
18,80	20	131	79	55	50	KGT4DPA.1880A	●	KGT4DFA.1880A	●
19,00	20	131	79	55	50	KGT4DPA.1900A	●	KGT4DFA.1900A	●
19,50	20	131	79	55	50	KGT4DPA.1950A	●	KGT4DFA.1950A	●
19,80	20	131	79	55	50	KGT4DPA.1980A	●	KGT4DFA.1980A	●
20,00	20	131	79	55	50	KGT4DPA.2000A	●	KGT4DFA.2000A	●
							●		●

Dimensioni in mm.

Parametri pag. 59

- A stock
- Su richiesta

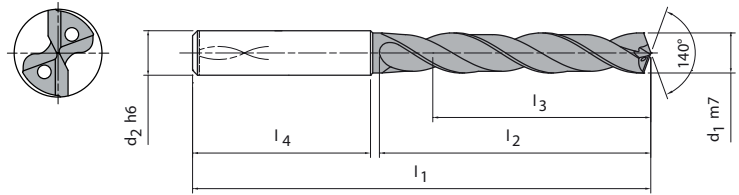


# PUNTE IN METALLO DURO INTEGRALE PER INOX(5xD)

Con lubrificazione interna:

Specifiche:

Diametro punta: 1,00 – 20,00 mm  
 Tolleranza foro: IT9 (ottenibile)  
 Rivestimento: TiAlN  
 Numero taglienti: 2  
 Tipologia codolo: HA (DIN 6535)  
 Geometria punta: Speciale  
 Affilatura: 140°  
 Elica: 30°



KGT6DFA

Dimensioni						KGT6DFA	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
1.00	4	45	8	7	30	KGT6DFA.0100A	●
1.10	4	45	9	7	29.5	KGT6DFA.0110A	●
1.20	4	45	9.5	8	28.5	KGT6DFA.0120A	●
1.30	4	45	10.5	8	28	KGT6DFA.0130A	●
1.40	4	45	11	9	27.5	KGT6DFA.0140A	●
1.50	4	50	12	10	32	KGT6DFA.0150A	●
1.60	4	50	13	10	31	KGT6DFA.0160A	●
1.70	4	50	13.5	11	30.5	KGT6DFA.0170A	●
1.80	4	50	14.5	12	30	KGT6DFA.0180A	●
1.90	4	50	15	12	29.5	KGT6DFA.0190A	●
2.00	4	50	16	13	29	KGT6DFA.0200A	●
2.10	4	55	17	14	33	KGT6DFA.0210A	●
2.20	4	55	17.5	14	32.5	KGT6DFA.0220A	●
2.30	4	55	18.5	15	32	KGT6DFA.0230A	●
2.40	4	55	19	16	31.5	KGT6DFA.0240A	●
2.50	4	55	20	16	30.5	KGT6DFA.0250A	●
2.60	4	55	21	17	30	KGT6DFA.0260A	●
2.70	4	55	21.5	18	29.5	KGT6DFA.0270A	●
*2.80	4	55	22.5	18	29	KGT6DFA.0280A	●
2.90	4	55	23	19	28	KGT6DFA.0290A	●
3,00	6	66	28	23	36	KGT6DFA.0300A	●
3,10	6	66	28	23	36	KGT6DFA.0310A	●
3,20	6	66	28	23	36	KGT6DFA.0320A	●
3,30	6	66	28	23	36	KGT6DFA.0330A	●
3,40	6	66	28	23	36	KGT6DFA.0340A	●
3,50	6	66	28	23	36	KGT6DFA.0350A	●
3,60	6	66	28	23	36	KGT6DFA.0360A	●
3,70	6	66	28	23	36	KGT6DFA.0370A	●
3,80	6	74	36	29	36	KGT6DFA.0380A	●
3,90	6	74	36	29	36	KGT6DFA.0390A	●
4,00	6	74	36	29	36	KGT6DFA.0400A	●
4,10	6	74	36	29	36	KGT6DFA.0410A	●
4,20	6	74	36	29	36	KGT6DFA.0420A	●
4,30	6	74	36	29	36	KGT6DFA.0430A	●
4,40	6	74	36	29	36	KGT6DFA.0440A	●
4,50	6	74	36	29	36	KGT6DFA.0450A	●
4,60	6	74	36	29	36	KGT6DFA.0460A	●
4,65	6	74	36	29	36	KGT6DFA.0465A	●
4,70	6	74	36	29	36	KGT6DFA.0470A	●
4,80	6	82	44	35	36	KGT6DFA.0480A	●
4,90	6	82	44	35	36	KGT6DFA.0490A	●
5,00	6	82	44	35	36	KGT6DFA.0500A	●

Dimensioni in mm.

Parametri pag. 59

- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE PER INOX (5xD)



KGT6DFA

Dimensioni						KGT6DFA	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
5,10	6	82	44	35	36	KGT6DFA.0510A	●
5,20	6	82	44	35	36	KGT6DFA.0520A	●
5,30	6	82	44	35	36	KGT6DFA.0530A	●
5,40	6	82	44	35	36	KGT6DFA.0540A	●
5,50	6	82	44	35	36	KGT6DFA.0550A	●
5,55	6	82	44	35	36	KGT6DFA.0555A	●
5,60	6	82	44	35	36	KGT6DFA.0560A	●
5,70	6	82	44	35	36	KGT6DFA.0570A	●
5,80	6	82	44	35	36	KGT6DFA.0580A	●
5,90	6	82	44	35	36	KGT6DFA.0590A	●
6,00	6	82	44	35	36	KGT6DFA.0600A	●
6,10	8	91	53	43	36	KGT6DFA.0610A	●
6,20	8	91	53	43	36	KGT6DFA.0620A	●
6,30	8	91	53	43	36	KGT6DFA.0630A	●
6,40	8	91	53	43	36	KGT6DFA.0640A	●
6,50	8	91	53	43	36	KGT6DFA.0650A	●
6,60	8	91	53	43	36	KGT6DFA.0660A	●
6,70	8	91	53	43	36	KGT6DFA.0670A	●
6,80	8	91	53	43	36	KGT6DFA.0680A	●
6,90	8	91	53	43	36	KGT6DFA.0690A	●
7,00	8	91	53	43	36	KGT6DFA.0700A	●
7,10	8	91	53	43	36	KGT6DFA.0710A	●
7,20	8	91	53	43	36	KGT6DFA.0720A	●
7,30	8	91	53	43	36	KGT6DFA.0730A	●
7,40	8	91	53	43	36	KGT6DFA.0740A	●
7,45	8	91	53	43	36	KGT6DFA.0745A	●
7,50	8	91	53	43	36	KGT6DFA.0750A	●
7,60	8	91	53	43	36	KGT6DFA.0760A	●
7,70	8	91	53	43	36	KGT6DFA.0770A	●
7,80	8	91	53	43	36	KGT6DFA.0780A	●
7,90	8	91	53	43	36	KGT6DFA.0790A	●
8,00	8	91	53	43	36	KGT6DFA.0800A	●
8,10	10	103	61	49	40	KGT6DFA.0810A	●
8,20	10	103	61	49	40	KGT6DFA.0820A	●
8,30	10	103	61	49	40	KGT6DFA.0830A	●
8,40	10	103	61	49	40	KGT6DFA.0840A	●
8,50	10	103	61	49	40	KGT6DFA.0850A	●
8,60	10	103	61	49	40	KGT6DFA.0860A	●
8,70	10	103	61	49	40	KGT6DFA.0870A	●
8,80	10	103	61	49	40	KGT6DFA.0880A	●
8,90	10	103	61	49	40	KGT6DFA.0890A	●
9,00	10	103	61	49	40	KGT6DFA.0900A	●
9,10	10	103	61	49	40	KGT6DFA.0910A	●
9,20	10	103	61	49	40	KGT6DFA.0920A	●
9,30	10	103	61	49	40	KGT6DFA.0930A	●
9,40	10	103	61	49	40	KGT6DFA.0940A	●
9,50	10	103	61	49	40	KGT6DFA.0950A	●
9,60	10	103	61	49	40	KGT6DFA.0960A	●
9,70	10	103	61	49	40	KGT6DFA.0970A	●
9,80	10	103	61	49	40	KGT6DFA.0980A	●

Dimensioni in mm.

Parametri pag. 59

- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE PER INOX (5XD)



KGT6DFA

Dimensioni						KGT6DFA	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
9,90	10	103	61	49	4		
10,00	10	103	61	49	40	KGT6DFA.1000A	●
10,10	12	118	71	56	45	KGT6DFA.1010A	●
10,20	12	118	71	56	45	KGT6DFA.1020A	●
10,30	12	118	71	56	45	KGT6DFA.1030A	●
10,40	12	118	71	56	45	KGT6DFA.1040A	●
10,50	12	118	71	56	45	KGT6DFA.1050A	●
10,60	12	118	71	56	45	KGT6DFA.1060A	●
10,70	12	118	71	56	45	KGT6DFA.1070A	●
10,80	12	118	71	56	45	KGT6DFA.1080A	●
10,90	12	118	71	56	45	KGT6DFA.1090A	●
11,00	12	118	71	56	45	KGT6DFA.1100A	●
11,10	12	118	71	56	45	KGT6DFA.1110A	●
11,20	12	118	71	56	45	KGT6DFA.1120A	●
11,30	12	118	71	56	45	KGT6DFA.1130A	●
11,40	12	118	71	56	45	KGT6DFA.1140A	●
11,50	12	118	71	56	45	KGT6DFA.1150A	●
11,60	12	118	71	56	45	KGT6DFA.1160A	●
11,70	12	118	71	56	45	KGT6DFA.1170A	●
11,80	12	118	71	56	45	KGT6DFA.1180A	●
11,90	12	118	71	56	45	KGT6DFA.1190A	●
12,00	12	118	71	56	45	KGT6DFA.1200A	●
12,20	14	124	77	60	45	KGT6DFA.1220A	●
12,50	14	124	77	60	45	KGT6DFA.1250A	●
12,70	14	124	77	60	45	KGT6DFA.1270A	●
12,80	14	124	77	60	45	KGT6DFA.1280A	●
13,00	14	124	77	60	45	KGT6DFA.1300A	●
13,20	14	124	77	60	45	KGT6DFA.1320A	●
13,50	14	124	77	60	45	KGT6DFA.1350A	●
13,70	14	124	77	60	45	KGT6DFA.1370A	●
13,80	14	124	77	60	45	KGT6DFA.1380A	●
14,00	14	124	77	60	45	KGT6DFA.1400A	●
14,20	16	133	83	63	48	KGT6DFA.1420A	●
14,50	16	133	83	63	48	KGT6DFA.1450A	●
14,70	16	133	83	63	48	KGT6DFA.1470A	●
14,80	16	133	83	63	48	KGT6DFA.1480A	●
15,00	16	133	83	63	48	KGT6DFA.1500A	●
15,30	16	133	83	63	48	KGT6DFA.1530A	●
15,50	16	133	83	63	48	KGT6DFA.1550A	●
15,80	16	133	83	63	48	KGT6DFA.1580A	●
16,00	16	133	83	63	48	KGT6DFA.1600A	●
16,50	18	143	93	71	48	KGT6DFA.1650A	●
16,80	18	143	93	71	48	KGT6DFA.1680A	●
17,00	18	143	93	71	48	KGT6DFA.1700A	●
17,50	18	143	93	71	48	KGT6DFA.1750A	●
17,80	18	143	93	71	48	KGT6DFA.1780A	●
18,00	18	143	93	71	48	KGT6DFA.1800A	●
18,50	20	153	101	77	50	KGT6DFA.1850A	●
18,80	20	153	101	77	50	KGT6DFA.1880A	●

Dimensioni in mm.

- A stock
- Su richiesta

Parametri pag. 59

# PUNTE IN METALLO DURO INTEGRALE PER **INOX** (5XD)



KGT6DFA

Dimensioni						KGT6DFA	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
19,00	20	153	101	77	50	KGT6DFA.1900A	●
19,50	20	153	101	77	50	KGT6DFA.1950A	●
19,80	20	153	101	77	50	KGT6DFA.1980A	●
20,00	20	153	101	77	50	KGT6DFA.2000A	●

Dimensioni in mm.

Parametri pag. 59

● A stock

○ Su richiesta

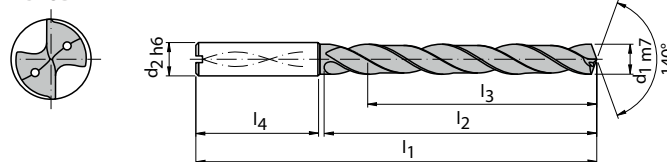
# PUNTE IN METALLO DURO INTEGRALE (8xD)

Con lubrificazione interna

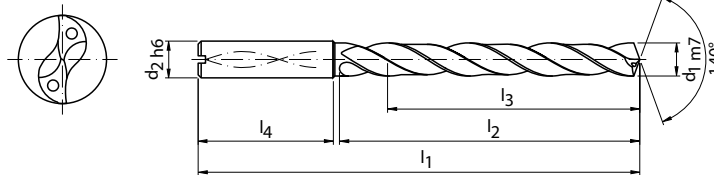
Specifiche:

Diametro punta: 3,00 – 20,00 mm\* | 3,00 – 16,00 mm\*\*  
 Tolleranza foro: IT9 (ottenibile)  
 Rivestimento: TiAlN\* | Non rivestito\*\* (per KGT8DFL)  
 Numero taglienti: 2  
 Numero margini: 2\*\* (per KGT8DFL)  
 Tipologia codolo: HA (DIN 6535)  
 Affilatura: 135°  
 Elica: 30°

\*KGT8DFA



\*\*KGT8DFL



KGT8DFA  
KGT8DFL

Dimensioni						KGT8DFA		KGT8DFL	
d <sub>1</sub> h <sub>7</sub>	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
3,00	6	72	34	29	36	KGT8DFA.0300A	●	KGT8DFL.0300	●
3,10	6	72	34	29	36	KGT8DFA.0310A	●	KGT8DFL.0310	○
3,20	6	72	34	29	36	KGT8DFA.0320A	●	KGT8DFL.0320	○
3,30	6	72	34	29	36	KGT8DFA.0330A	●	KGT8DFL.0330	●
3,40	6	72	34	29	36	KGT8DFA.0340A	●	KGT8DFL.0340	○
3,50	6	72	34	29	36	KGT8DFA.0350A	●	KGT8DFL.0350	○
3,60	6	72	34	29	36	KGT8DFA.0360A	○	KGT8DFL.0360	○
3,70	6	72	34	29	36	KGT8DFA.0370A	●	KGT8DFL.0370	○
3,80	6	81	43	36	36	KGT8DFA.0380A	●	KGT8DFL.0380	○
3,90	6	81	43	36	36	KGT8DFA.0390A	○	KGT8DFL.0390	○
4,00	6	81	43	36	36	KGT8DFA.0400A	●	KGT8DFL.0400	○
4,10	6	81	43	36	36	KGT8DFA.0410A	●	KGT8DFL.0410	○
4,20	6	81	43	36	36	KGT8DFA.0420A	●	KGT8DFL.0420	○
4,30	6	81	43	36	36	KGT8DFA.0430A	●	KGT8DFL.0430	○
4,40	6	81	43	36	36	KGT8DFA.0440A	○	KGT8DFL.0440	○
4,50	6	81	43	36	36	KGT8DFA.0450A	●	KGT8DFL.0450	○
4,60	6	81	43	36	36	KGT8DFA.0460A	●	KGT8DFL.0460	○
4,70	6	81	43	36	36	KGT8DFA.0470A	○	KGT8DFL.0470	○
4,80	6	95	57	48	36	KGT8DFA.0480A	●	KGT8DFL.0480	○
4,90	6	95	57	48	36	KGT8DFA.0490A	●	KGT8DFL.0490	○
5,00	6	95	57	48	36	KGT8DFA.0500A	●	KGT8DFL.0500	●
5,10	6	95	57	48	36	KGT8DFA.0510A	●	KGT8DFL.0510	○
5,20	6	95	57	48	36	KGT8DFA.0520A	●	KGT8DFL.0520	○
5,30	6	95	57	48	36	KGT8DFA.0530A	●	KGT8DFL.0530	○
5,40	6	95	57	48	36	KGT8DFA.0540A	○	KGT8DFL.0540	○
5,50	6	95	57	48	36	KGT8DFA.0550A	●	KGT8DFL.0550	○
5,60	6	95	57	48	36	KGT8DFA.0560A	○	KGT8DFL.0560	○
5,70	6	95	57	48	36	KGT8DFA.0570A	○	KGT8DFL.0570	○
5,80	6	95	57	48	36	KGT8DFA.0580A	●	KGT8DFL.0580	○
5,90	6	95	57	48	36	KGT8DFA.0590A	●	KGT8DFL.0590	○
6,00	6	95	57	48	36	KGT8DFA.0600A	●	KGT8DFL.0600	○
6,10	8	114	76	64	36	KGT8DFA.0610A	●	KGT8DFL.0610	●

Dimensioni in mm.

Parametri pag. 54, 58

- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE (8XD)



KGT8DFA  
KGT8DFL

Dimensioni						KGT8DFA		KGT8DFL	
d <sub>1</sub> h7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
6,20	8	114	76	64	36	KGT8DFA.0620A	●	KGT8DFL.0620	○
6,30	8	114	76	64	36	KGT8DFA.0630A	●	KGT8DFL.0630	○
6,40	8	114	76	64	36	KGT8DFA.0640A	○	KGT8DFL.0640	○
6,50	8	114	76	64	36	KGT8DFA.0650A	●	KGT8DFL.0650	○
6,60	8	114	76	64	36	KGT8DFA.0660A	●	KGT8DFL.0660	●
6,70	8	114	76	64	36	KGT8DFA.0670A	○	KGT8DFL.0670	○
6,80	8	114	76	64	36	KGT8DFA.0680A	●	KGT8DFL.0680	○
6,90	8	114	76	64	36	KGT8DFA.0690A	○	KGT8DFL.0690	○
7,00	8	114	76	64	36	KGT8DFA.0700A	●	KGT8DFL.0700	○
7,10	8	114	76	64	36	KGT8DFA.0710A	○	KGT8DFL.0710	○
7,20	8	114	76	64	36	KGT8DFA.0720A	○	KGT8DFL.0720	○
7,30	8	114	76	64	36	KGT8DFA.0730A	○	KGT8DFL.0730	○
7,40	8	114	76	64	36	KGT8DFA.0740A	●	KGT8DFL.0740	○
7,50	8	114	76	64	36	KGT8DFA.0750A	●	KGT8DFL.0750	○
7,60	8	114	76	64	36	KGT8DFA.0760A	○	KGT8DFL.0760	○
7,70	8	114	76	64	36	KGT8DFA.0770A	●	KGT8DFL.0770	○
7,80	8	114	76	64	36	KGT8DFA.0780A	●	KGT8DFL.0780	○
7,90	8	114	76	64	36	KGT8DFA.0790A	●	KGT8DFL.0790	○
8,00	8	114	76	64	36	KGT8DFA.0800A	●	KGT8DFL.0800	○
8,10	10	142	95	80	40	KGT8DFA.0810A	●	KGT8DFL.0810	○
8,20	10	142	95	80	40	KGT8DFA.0820A	●	KGT8DFL.0820	○
8,30	10	142	95	80	40	KGT8DFA.0830A	●	KGT8DFL.0830	○
8,40	10	142	95	80	40	KGT8DFA.0840A	○	KGT8DFL.0840	○
8,50	10	142	95	80	40	KGT8DFA.0850A	●	KGT8DFL.0850	○
8,60	10	142	95	80	40	KGT8DFA.0860A	●	KGT8DFL.0860	○
8,65	10	142	95	80	40	KGT8DFA.0865A	○	-	-
8,70	10	142	95	80	40	KGT8DFA.0870A	○	KGT8DFL.0870	○
8,80	10	142	95	80	40	KGT8DFA.0880A	●	KGT8DFL.0880	○
8,90	10	142	95	80	40	KGT8DFA.0890A	○	KGT8DFL.0890	○
9,00	10	142	95	80	40	KGT8DFA.0900A	●	KGT8DFL.0900	○
9,10	10	142	95	80	40	KGT8DFA.0910A	●	KGT8DFL.0910	○
9,20	10	142	95	80	40	KGT8DFA.0920A	○	KGT8DFL.0920	○
9,30	10	142	95	80	40	KGT8DFA.0930A	●	KGT8DFL.0930	○
9,40	10	142	95	80	40	KGT8DFA.0940A	●	KGT8DFL.0940	○
9,50	10	142	95	80	40	KGT8DFA.0950A	●	KGT8DFL.0950	○
9,60	10	142	95	80	40	KGT8DFA.0960A	○	KGT8DFL.0960	○
9,70	10	142	95	80	40	KGT8DFA.0970A	●	KGT8DFL.0970	○
9,80	10	142	95	80	40	KGT8DFA.0980A	●	KGT8DFL.0980	○
9,90	10	142	95	80	40	KGT8DFA.0990A	○	KGT8DFL.0990	○
10,00	10	142	95	80	40	KGT8DFA.1000A	●	KGT8DFL.01000	○
10,10	12	162	114	96	45	KGT8DFA.1010A	○	KGT8DFL.01010	○
10,20	12	162	114	96	45	KGT8DFA.1020A	●	KGT8DFL.01020	○
10,30	12	162	114	96	45	KGT8DFA.1030A	○	KGT8DFL.01030	○
10,40	12	162	114	96	45	KGT8DFA.1040A	○	KGT8DFL.01040	○
10,50	12	162	114	96	45	KGT8DFA.1050A	●	KGT8DFL.01050	○
10,60	12	162	114	96	45	KGT8DFA.1060A	○	KGT8DFL.01060	○
10,70	12	162	114	96	45	KGT8DFA.1070A	○	KGT8DFL.01070	○
10,80	12	162	114	96	45	KGT8DFA.1080A	●	KGT8DFL.01080	○
10,90	12	162	114	96	45	KGT8DFA.1090A	○	KGT8DFL.01090	○

Dimensioni in mm.

Parametri pag. 54, 58

- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE(8XD)



KGT8DFA  
KGT8DFL

Dimensioni						KGT8DFA		KGT8DFL	
d <sub>1</sub> h7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
11,00	12	162	114	96	45	KGT8DFA.1100A	●	KGT8DFL.1100	●
11,10	12	162	114	96	45	KGT8DFA.1110A	●	KGT8DFL.1110	○
11,20	12	162	114	96	45	KGT8DFA.1120A	●	KGT8DFL.1120	○
11,30	12	162	114	96	45	KGT8DFA.1130A	●	KGT8DFL.1130	○
11,40	12	162	114	96	45	KGT8DFA.1140A	●	KGT8DFL.1140	○
11,50	12	162	114	96	45	KGT8DFA.1150A	●	KGT8DFL.1150	○
11,60	12	162	114	96	45	KGT8DFA.1160A	○	KGT8DFL.1160	○
11,70	12	162	114	96	45	KGT8DFA.1170A	●	KGT8DFL.1170	○
11,80	12	162	114	96	45	KGT8DFA.1180A	●	KGT8DFL.1180	○
11,90	12	162	114	96	45	KGT8DFA.1190A	○	KGT8DFL.1190	○
12,00	12	162	114	96	45	KGT8DFA.1200A	●	KGT8DFL.1200	○
12,20	14	178	133	112	45	KGT8DFA.1220A	●	-	-
12,50	14	178	133	112	45	KGT8DFA.1250A	●	KGT8DFL.1250	○
12,80	14	178	133	112	45	KGT8DFA.1280A	●	-	-
13,00	14	178	133	112	45	KGT8DFA.1300A	●	KGT8DFL.1300	○
13,10	14	178	133	112	45	KGT8DFA.1310A	○	-	-
13,50	14	178	133	112	45	KGT8DFA.1350A	●	KGT8DFL.1350	○
13,80	14	178	133	112	45	KGT8DFA.1380A	●	-	-
14,00	14	178	133	112	45	KGT8DFA.1400A	●	KGT8DFL.1400	○
14,20	14	178	133	112	45	KGT8DFA.1420A	○	-	-
14,50	16	203	152	128	48	KGT8DFA.1450A	●	KGT8DFL.1450	●
14,80	16	203	152	128	48	KGT8DFA.1480A	●	-	-
15,00	16	203	152	128	48	KGT8DFA.1500A	●	KGT8DFL.1500	○
15,50	16	203	152	128	48	KGT8DFA.1550A	●	KGT8DFL.1550	○
15,80	16	203	152	128	48	KGT8DFA.1580A	●	-	-
16,00	16	203	152	128	48	KGT8DFA.1600A	●	KGT8DFL.1600	○
16,50	18	222	171	144	48	KGT8DFA.1650A	●	-	-
16,80	18	222	171	144	48	-	-	-	-
17,00	18	222	171	144	48	KGT8DFA.1700A	●	-	-
17,50	18	222	171	144	48	KGT8DFA.1750A	●	-	-
17,80	18	222	171	144	48	KGT8DFA.1780A	○	-	-
18,00	18	222	171	144	48	KGT8DFA.1800A	●	-	-
18,50	20	243	190	160	50	KGT8DFA.1850A	○	-	-
18,80	20	243	190	160	50	-	-	-	-
19,00	20	243	190	160	50	KGT8DFA.1900A	●	-	-
19,50	20	243	190	160	50	KGT8DFA.1950A	○	-	-
19,80	20	243	190	160	50	-	-	-	-
20,00	20	243	190	160	50	KGT8DFA.2000A	●	-	-

Dimensioni in mm.

Parametri pag. 54, 58

- A stock
- Su richiesta

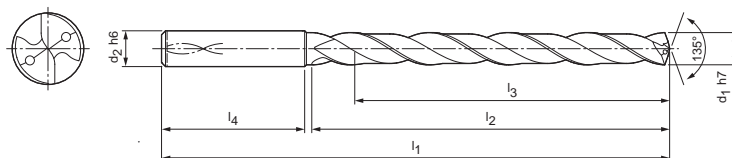
# PUNTE IN METALLO DURO INTEGRALE (12xD)

Con lubrificazione interna

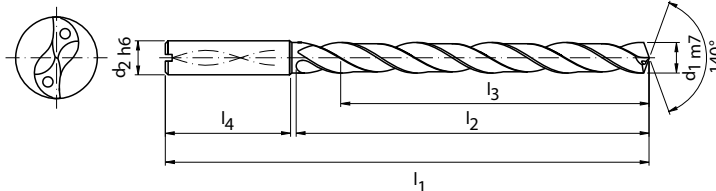
Specifiche:

Range diametri: 3,00 – 20,00 mm\* | 3,00 - 12,00 mm\*\*  
 Tolleranza foro: IT9 (ottenibile)  
 Rivestimento: TiAlN\* | Non rivestito\*\* (per KGT12DFL)  
 Numero taglienti: 2  
 Numero margini: 2\*\* (per KGT12DFL)  
 Tipologia codolo: HA (DIN 6535)\*\* (per KGT12DFL)  
 Affilatura: 135\*|140\*\* (per KGT12DFL)  
 Elica: 30°  
 Geometria punta: Speciale\*\* (KGT12DFL)

KGT12DFA\*



KGT12DFL\*\*



KGT12DFA  
KGT12DFL

Dimensioni						KGT12DFA		KGT12DFL	
d <sub>1</sub> h7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
3,00	6	92	54	48	36	KGT12DFA.0300A	●	KGT12DFL.0300	●
3,10	6	92	54	48	36	KGT12DFA.0310A	●	KGT12DFL.0310	○
3,20	6	92	54	48	36	KGT12DFA.0320A	●	KGT12DFL.0320	○
3,30	6	92	54	48	36	KGT12DFA.0330A	●	KGT12DFL.0330	●
3,40	6	92	54	48	36	KGT12DFA.0340A	●	KGT12DFL.0340	○
3,50	6	92	54	48	36	KGT12DFA.0350A	●	KGT12DFL.0350	●
3,60	6	92	54	48	36	KGT12DFA.0360A	○	KGT12DFL.0360	○
3,70	6	92	54	48	36	KGT12DFA.0370A	●	KGT12DFL.0370	○
3,80	6	102	64	58	36	KGT12DFA.0380A	●	KGT12DFL.0380	○
3,90	6	102	64	58	36	KGT12DFA.0390A	○	KGT12DFL.0390	○
4,00	6	102	64	58	36	KGT12DFA.0400A	●	KGT12DFL.0400	●
4,10	6	102	64	58	36	KGT12DFA.0410A	●	KGT12DFL.0410	○
4,20	6	102	64	58	36	KGT12DFA.0420A	●	KGT12DFL.0420	●
4,30	6	102	64	58	36	KGT12DFA.0430A	●	KGT12DFL.0430	○
4,40	6	102	64	58	36	KGT12DFA.0440A	●	KGT12DFL.0440	○
4,50	6	102	64	58	36	KGT12DFA.0450A	●	KGT12DFL.0450	○
4,60	6	102	64	58	36	KGT12DFA.0460A	●	KGT12DFL.0460	○
4,70	6	102	64	58	36	KGT12DFA.0470A	●	KGT12DFL.0470	○
4,80	6	116	78	70	36	KGT12DFA.0480A	●	KGT12DFL.0480	○
4,90	6	116	78	70	36	KGT12DFA.0490A	○	KGT12DFL.0490	○
5,00	6	116	78	70	36	KGT12DFA.0500A	●	KGT12DFL.0500	●
5,10	6	116	78	70	36	KGT12DFA.0510A	●	KGT12DFL.0501	○
5,20	6	116	78	70	36	KGT12DFA.0520A	●	KGT12DFL.0520	○
5,30	6	116	78	70	36	KGT12DFA.0530A	●	KGT12DFL.0530	○
5,40	6	116	78	70	36	KGT12DFA.0540A	○	KGT12DFL.0540	○
5,50	6	116	78	70	36	KGT12DFA.0550A	●	KGT12DFL.0550	●
5,60	6	116	78	70	36	KGT12DFA.0560A	●	KGT12DFL.0560	○
5,70	6	116	78	70	36	KGT12DFA.0570A	○	KGT12DFL.0570	○
5,80	6	116	78	70	36	KGT12DFA.0580A	●	KGT12DFL.0580	○
5,90	6	116	78	70	36	KGT12DFA.0590A	○	KGT12DFL.0590	○
6,00	6	116	78	70	36	KGT12DFA.0600A	●	KGT12DFL.0600	●
6,10	8	146	108	94	36	KGT12DFA.0610A	○	KGT12DFL.0610	○

Dimensioni in mm.

Parametri: pag. 52, 54

- A stock
- Su richiesta



# PUNTE IN METALLO DURO INTEGRALE (12XD)



KGT12DFA  
KGT12DFL

Dimensioni						KGT12DFA		KGT12DFL	
d <sub>1</sub> h7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
6,20	8	146	108	94	36	KGT12DFA.0620A	●	KGT12DFL.0620	○
6,30	8	146	108	94	36	KGT12DFA.0630A	○	KGT12DFL.0630	○
6,40	8	146	108	94	36	KGT12DFA.0640A	○	KGT12DFL.0640	○
6,50	8	146	108	94	36	KGT12DFA.0650A	●	KGT12DFL.0650	○
6,60	8	146	108	94	36	KGT12DFA.0660A	●	KGT12DFL.0660	○
6,70	8	146	108	94	36	KGT12DFA.0670A	●	KGT12DFL.0670	○
6,80	8	146	108	94	36	KGT12DFA.0680A	●	KGT12DFL.0680	○
6,90	8	146	108	94	36	KGT12DFA.0690A	○	KGT12DFL.0690	○
7,00	8	146	108	94	36	KGT12DFA.0700A	●	KGT12DFL.0700	○
7,10	8	146	108	94	36	KGT12DFA.0710A	○	KGT12DFL.0710	○
7,20	8	146	108	94	36	KGT12DFA.0720A	○	KGT12DFL.0720	○
7,30	8	146	108	94	36	KGT12DFA.0730A	○	KGT12DFL.0730	○
7,40	8	146	108	94	36	KGT12DFA.0740A	○	KGT12DFL.0740	○
7,50	8	146	108	94	36	KGT12DFA.0750A	●	KGT12DFL.0750	●
7,60	8	146	108	94	36	KGT12DFA.0760A	○	KGT12DFL.0760	○
7,70	8	146	108	94	36	KGT12DFA.0770A	○	KGT12DFL.0770	○
7,80	8	146	108	94	36	KGT12DFA.0780A	●	KGT12DFL.0780	○
7,90	8	146	108	94	36	KGT12DFA.0790A	○	KGT12DFL.0790	○
8,00	8	146	108	94	36	KGT12DFA.0800A	●	KGT12DFL.0800	●
8,10	10	162	120	110	40	KGT12DFA.0810A	○	KGT12DFL.0810	○
8,20	10	162	120	110	40	KGT12DFA.0820A	○	KGT12DFL.0820	○
8,30	10	162	120	110	40	KGT12DFA.0830A	○	KGT12DFL.0830	○
8,40	10	162	120	110	40	KGT12DFA.0840A	○	KGT12DFL.0840	○
8,50	10	162	120	110	40	KGT12DFA.0850A	●	KGT12DFL.0850	○
8,60	10	162	120	110	40	KGT12DFA.0860A	○	KGT12DFL.0860	○
8,70	10	162	120	110	40	KGT12DFA.0870A	○	KGT12DFL.0870	○
8,80	10	162	120	110	40	KGT12DFA.0880A	○	KGT12DFL.0880	○
8,90	10	162	120	110	40	KGT12DFA.0890A	○	KGT12DFL.0890	○
9,00	10	162	120	110	40	KGT12DFA.0900A	●	KGT12DFL.0900	●
9,10	10	162	120	110	40	KGT12DFA.0910A	○	KGT12DFL.0910	○
9,20	10	162	120	110	40	KGT12DFA.0920A	○	KGT12DFL.0920	○
9,30	10	162	120	110	40	KGT12DFA.0930A	○	KGT12DFL.0930	○
9,40	10	162	120	110	40	KGT12DFA.0940A	○	KGT12DFL.0940	○
9,50	10	162	120	110	40	KGT12DFA.0950A	●	KGT12DFL.0950	○
9,60	10	162	120	110	40	KGT12DFA.0960A	○	KGT12DFL.0960	○
9,70	10	162	120	110	40	KGT12DFA.0970A	○	KGT12DFL.0970	○
9,80	10	162	120	110	40	KGT12DFA.0980A	○	KGT12DFL.0980	○
9,90	10	162	120	110	40	KGT12DFA.0990A	○	KGT12DFL.0990	○
10,00	10	162	120	110	40	KGT12DFA.1000A	●	KGT12DFL.1000	○
10,10	12	204	156	142	45	KGT12DFA.1010A	○	KGT12DFL.1010	○
10,20	12	204	156	142	45	KGT12DFA.1020A	●	KGT12DFL.1020	○
10,30	12	204	156	142	45	KGT12DFA.1030A	○	KGT12DFL.1030	○
10,40	12	204	156	142	45	KGT12DFA.1040A	○	KGT12DFL.1040	○
10,50	12	204	156	142	45	KGT12DFA.1050A	●	KGT12DFL.1050	○
10,60	12	204	156	142	45	KGT12DFA.1060A	○	KGT12DFL.1060	○
10,70	12	204	156	142	45	KGT12DFA.1070A	○	KGT12DFL.1070	○
10,80	12	204	156	142	45	KGT12DFA.1080A	○	KGT12DFL.1080	○
10,90	12	204	156	142	45	KGT12DFA.1090A	○	KGT12DFL.1090	○

Dimensioni in mm.

Parametri: pag. 52, 54

- A stock
- Su richiesta

# PUNTE IN METALLO DURO INTEGRALE(12XD)



KGT12DFA  
KGT12DFL

Dimensioni						KGT12DFA		KGT12DFL	
d <sub>1</sub> h7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
11,00	12	204	156	142	45	KGT12DFA.1100A	●	KGT12DFL.1100	○
11,10	12	204	156	142	45	KGT12DFA.1110A	○	KGT12DFL.1110	○
11,20	12	204	156	142	45	KGT12DFA.1120A	○	KGT12DFL.1120	○
11,30	12	204	156	142	45	KGT12DFA.1130A	○	KGT12DFL.1130	○
11,40	12	204	156	142	45	KGT12DFA.1140A	○	KGT12DFL.1140	○
11,50	12	204	156	142	45	KGT12DFA.1150A	○	KGT12DFL.1150	○
11,60	12	204	156	142	45	KGT12DFA.1160A	○	KGT12DFL.1160	○
11,70	12	204	156	142	45	KGT12DFA.1170A	○	KGT12DFL.1170	○
11,80	12	204	156	142	45	KGT12DFA.1180A	●	KGT12DFL.1180	○
12,00	12	204	156	142	45	KGT12DFA.1200A	●	KGT12DFL.1200	○
12,50	14	230	182	166	45	KGT12DFA.1250A	○	-	-
13,00	14	230	182	166	45	KGT12DFA.1300A	○	-	-
13,50	14	230	182	166	45	KGT12DFA.1350A	○	-	-
13,80	14	230	182	166	45	KGT12DFA.1380A	○	-	-
14,00	14	230	182	166	45	KGT12DFA.1400A	●	-	-
14,50	16	260	208	192	48	KGT12DFA.1450A	○	-	-
15,00	16	260	208	192	48	KGT12DFA.1500A	●	-	-
15,50	16	260	208	192	48	KGT12DFA.1550A	○	-	-
16,00	16	260	208	192	48	KGT12DFA.1600A	○	-	-
16,50	18	285	234	216	48	KGT12DFA.1650A	○	-	-
17,00	18	285	234	216	48	KGT12DFA.1700A	○	-	-
17,50	18	285	234	216	48	KGT12DFA.1750A	○	-	-
18,00	18	285	234	216	48	KGT12DFA.1800A	○	-	-
18,50	20	310	258	240	48	KGT12DFA.1850A	○	-	-
19,00	20	310	258	240	48	KGT12DFA.1900A	○	-	-
19,50	20	310	258	240	48	KGT12DFA.1950A	○	-	-
20,00	20	310	258	240	48	KGT12 DFA.2000A	○	-	-

Dimensioni in mm.

Parametri: pag. 52, 54

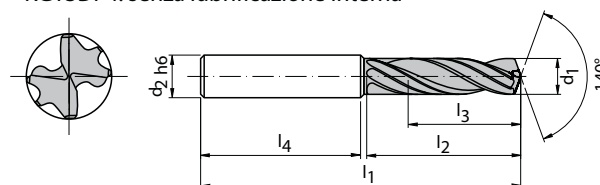
- A stock
- Su richiesta

# PUNTE ALESATORE IN METALLO DURO INTEGRALE (3 x D)

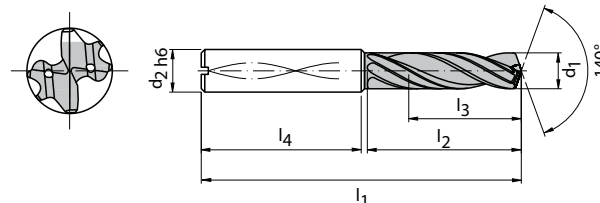
Specifiche:

Diametro punta: 5,97 – 12,72 mm  
 Tolleranza foro:  $\pm 0,003$  Standard  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 140°  
 Elica: 30°

KGT3DP4: senza lubrificazione interna



KGT3DF4: con lubrificazione interna



KGT3DP4 KGT3DF4

Dimensioni							KGT3DF4		KGT3DP4	
d <sub>1</sub> ( $\pm 0,003$ )	Diametro Foro* min. – max.	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
4 <sup>H7</sup>	4,000 - 4,012	6	66	24	17	36	-	-	KGT3DF4.04H7A	●
5 <sup>H7</sup>	5,000 - 5,012	6	79	34	24	36	-	-	KGT3DF4.05H7A	●
5,97	5,965 - 5,980	6	79	34	24	36	KGT3DP4.0597A	○	KGT3DF4.0597A	●
5,98	5,975 - 5,990	6	79	34	24	36	KGT3DP4.0598A	○	KGT3DF4.0598A	○
5,99	5,985 - 6,000	6	79	34	24	36	KGT3DP4.0599A	●	KGT3DF4.0599A	●
6 <sup>H7</sup>	6,000 - 6,012	6	79	34	24	36	-	-	KGT3DF4.06H7A	●
6,00	5,995 - 6,010	6	79	34	24	36	KGT3DP4.0600A	●	KGT3DF4.0600A	●
6,01	6,005 - 6,020	6	79	34	24	36	KGT3DP4.0601A	●	KGT3DF4.0601A	●
6,02	6,015 - 6,030	6	79	34	24	36	KGT3DP4.0602A	●	KGT3DF4.0602A	●
6,32	6,315 - 6,330	8	79	34	24	36	-	-	KGT3DF4.0632A	○
6,33	6,325 - 6,340	8	79	34	24	36	-	-	KGT3DF4.0633A	○
6,34	6,335 - 6,350	8	79	34	24	36	-	-	KGT3DF4.0634A	○
6,35	6,345 - 6,360	8	79	34	24	36	-	-	KGT3DF4.0635A	○
6,36	6,355 - 6,370	8	79	34	24	36	-	-	KGT3DF4.0636A	○
6,37	6,365 - 6,380	8	79	34	24	36	-	-	KGT3DF4.0637A	●
7 <sup>H7</sup>	7,000 - 7,015	8	79	34	24	36	-	-	KGT3DF4.07H7A	●
7,97	7,965 - 7,980	8	79	34	24	36	KGT3DP4.0797A	○	KGT3DF4.0797A	●
7,98	7,975 - 7,990	8	79	34	24	36	KGT3DP4.0798A	○	KGT3DF4.0798A	●
7,99	7,985 - 8,000	8	79	34	24	36	KGT3DP4.0799A	○	KGT3DF4.0799A	●
8 <sup>H7</sup>	8,000 - 8,015	8	79	34	24	36	-	-	KGT3DF4.08H7A	●
8,00	7,995 - 8,010	8	79	34	24	36	KGT3DP4.0800A	●	KGT3DF4.0800A	●
8,01	8,005 - 8,020	8	79	34	24	36	KGT3DP4.0801A	●	KGT3DF4.0801A	●
8,02	8,015 - 8,030	8	79	34	24	36	KGT3DP4.0802A	●	KGT3DF4.0802A	●
9 <sup>H7</sup>	9,000 - 9,015	10	89	47	35	40	-	-	KGT3DF4.09H7A	●
9,48	9,475 - 9,490	10	89	47	35	40	-	-	KGT3DF4.0948A	○
9,49	9,485 - 9,500	10	89	47	35	40	-	-	KGT3DF4.0949A	○
9,50	9,495 - 9,510	10	89	47	35	40	-	-	KGT3DF4.0950A	○
9,52	9,515 - 9,530	10	89	47	35	40	-	-	KGT3DF4.0952A	○
9,53	9,525 - 9,540	10	89	47	35	40	-	-	KGT3DF4.0953A	○
9,54	9,535 - 9,550	10	89	47	35	40	-	-	KGT3DF4.0954A	○

Dimensioni in mm.

Parametri: pag. 56

\* Le tolleranze dell'utensile indicate nella tabella possono essere garantite solo nelle condizioni di utilizzo ottimali e con un runout radiale inferiore a 10  $\mu$ m. La tipologia del materiale e del refrigerante possono incidere sul diametro ottenuto.

- A stock
- Su richiesta

# PUNTE ALESATORE IN METALLO DURO INTEGRALE (3 x D)



KGT3DP4 KGT3DF4

Dimensioni							KGT3DF4		KGT3DP4	
d <sub>1</sub> (±0,003)	Diametro Foro* min. - max.	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock	Codice	Stock
9,97	9,965 - 9,980	10	89	47	35	40	KGT3DP4.0997A	○	KGT3DF4.0997A	○
9,98	9,975 - 9,990	10	89	47	35	40	KGT3DP4.0998A	●	KGT3DF4.0998A	●
9,99	9,985 - 10,000	10	89	47	35	40	KGT3DP4.0999A	○	KGT3DF4.0999A	●
10 <sup>H7</sup>	10,000 - 10,015	10	89	47	35	40	-	-	KGT3DF4.10H7A	●
10,00	9,995 - 10,010	10	89	47	35	40	KGT3DP4.1000A	●	KGT3DF4.1000A	●
10,01	10,005 - 10,020	10	89	47	35	40	KGT3DP4.1001A	●	KGT3DF4.1001A	●
10,02	10,015 - 10,030	10	89	47	35	40	KGT3DP4.1002A	●	KGT3DF4.1002A	●
11,97	11,964 - 11,982	12	102	55	40	45	KGT3DP4.1197A	○	KGT3DF4.1197A	○
11,98	11,974 - 11,992	12	102	55	40	45	KGT3DP4.1198A	○	KGT3DF4.1198A	○
11,99	11,984 - 12,002	12	102	55	40	45	KGT3DP4.1199A	○	KGT3DF4.1199A	○
12 <sup>H7</sup>	12,000 - 12,018	12	102	55	40	45	-	-	KGT3DF4.12H7A	●
12,00	11,994 - 12,012	12	102	55	40	45	KGT3DP4.1200A	●	KGT3DF4.1200A	●
12,01	12,004 - 12,022	12	102	55	40	45	KGT3DP4.1201A	●	KGT3DF4.1201A	●
12,02	12,014 - 12,032	12	102	55	40	45	KGT3DP4.1202A	○	KGT3DF4.1202A	●
12,67	12,664 - 12,682	14	107	60	43	45	-	-	KGT3DF4.1267A	○
12,68	12,674 - 12,692	14	107	60	43	45	-	-	KGT3DF4.1268A	○
12,69	12,684 - 12,702	14	107	60	43	45	-	-	KGT3DF4.1269A	○
12,70	12,694 - 12,712	14	107	60	43	45	-	-	KGT3DF4.1270A	○
12,71	12,704 - 12,722	14	107	60	43	45	-	-	KGT3DF4.1271A	○
12,72	12,714 - 12,732	14	107	60	43	45	-	-	KGT3DF4.1272A	○
14 <sup>H7</sup>	14,000 - 14,018	14	107	60	43	45	-	-	KGT3DF4.14H7A	●
16 <sup>H7</sup>	16,000 - 16,018	16	115	65	45	48	-	-	KGT3DF4.16H7A	●

Dimensioni in mm.

Parametri: pag. 56

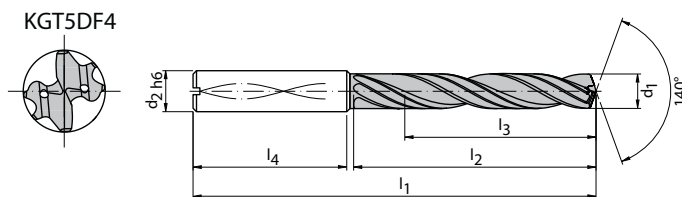
- A stock
- Su richiesta

# PUNTA ALESATORE IN METALLO DURO INTEGRALE (5XD)

Con lubrificazione interna

Specifiche:

Diametro punta: 5,97 – 12,72 mm  
 Tolleranza foro:  $\pm 0,003$  Standard  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura:  $140^\circ$   
 Angolo:  $30^\circ$



KGT5DF4

Dimensione							KGT5DF4	
d <sub>1</sub> ( $\pm 0,003$ )	Diametro Foro* min. – max.	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
4 <sup>H7</sup>	4,000 - 4,012	6	74	36	29	36	KGT5DF4.04H7A	●
5 <sup>H7</sup>	5,000 - 5,012	6	91	53	43	36	KGT5DF4.05H7A	●
5,97	5,965-5,980	6	91	53	43	36	KGT5DF4.0597A	○
5,98	5,975-5,990	6	91	53	43	36	KGT5DF4.0598A	●
5,99	5,985-6,000	6	91	53	43	36	KGT5DF4.0599A	●
6 <sup>H7</sup>	6,000 - 6,012	6	91	53	43	36	KGT5DF4.06H7A	●
6,00	5,995-6,010	6	91	53	43	36	KGT5DF4.0600A	●
6,01	6,005-6,020	6	91	53	43	36	KGT5DF4.0601A	●
6,02	6,015-6,030	8	91	53	43	36	KGT5DF4.0602A	●
6,32	6,315-6,330	8	91	53	43	36	KGT5DF4.0632A	○
6,33	6,325-6,340	8	91	53	43	36	KGT5DF4.0633A	○
6,34	6,335-6,350	8	91	53	43	36	KGT5DF4.0634A	○
6,35	6,345-6,360	8	91	53	43	36	KGT5DF4.0635A	○
6,36	6,355-6,370	8	91	53	43	36	KGT5DF4.0636A	○
6,37	6,365-6,380	8	91	53	43	36	KGT5DF4.0637A	○
7 <sup>H7</sup>	7,000 - 7,015	8	91	53	43	36	KGT5DF4.07H7A	●
7,97	7,965-7,980	8	91	53	43	36	KGT5DF4.0797A	○
7,98	7,975-7,990	8	91	53	43	36	KGT5DF4.0798A	●
7,99	7,985-8,000	8	91	53	43	36	KGT5DF4.0799A	○
8 <sup>H7</sup>	8,000 - 8,015	8	91	53	43	36	KGT5DF4.08H7A	●
8,00	7,995-8,010	8	91	53	43	36	KGT5DF4.0800A	●
8,01	8,005-8,020	8	91	53	43	36	KGT5DF4.0801A	●
8,02	8,015-8,030	8	91	53	43	36	KGT5DF4.0802A	●
9 <sup>H7</sup>	9,000 - 9,015	10	103	61	4	40	KGT5DF4.09H7A	●
9,48	9,475-9,490	10	103	61	49	40	KGT5DF4.0948A	○
9,49	9,485-9,500	10	103	61	49	40	KGT5DF4.0949A	○
9,50	9,495-9,510	10	103	61	49	40	KGT5DF4.0950A	●
9,52	9,515-9,530	10	103	61	49	40	KGT5DF4.0952A	○
9,53	9,525-9,540	10	103	61	49	40	KGT5DF4.0953A	○
9,54	9,535-9,550	10	103	61	49	40	KGT5DF4.0954A	○

Dimensioni in mm.

Parametri: pag. 56

\* Le tolleranze dell'utensile indicate nella tabella possono essere garantite solo nelle condizioni di utilizzo ottimali e con un runout radiale inferiore a 10  $\mu\text{m}$ . La tipologia del materiale e del refrigerante possono incidere sul diametro ottenuto.

- A stock
- Su richiesta

# PUNTA ALESATORE IN METALLO DURO INTEGRALE (5 x D)



KGT5DF4

Dimensioni							KGT5DF4	
d <sub>1</sub> (±0,003)	Diametro Foro* min. - max.	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
9,97	9,965-9,980	10	103	61	49	40	KGT5DF4.0997A	○
9,98	9,975-9,990	10	103	61	49	40	KGT5DF4.0998A	○
9,99	9,985-10,000	10	103	61	49	40	KGT5DF4.0999A	○
10 <sup>H7</sup>	10,000 - 10,015	10	103	61	49	40	KGT5DF4.10H7A	●
10,00	9,995-10,010	10	103	61	49	40	KGT5DF4.1000A	●
10,01	10,005-10,020	10	103	61	49	40	KGT5DF4.1001A	●
10,02	10,015-10,030	10	103	61	49	40	KGT5DF4.1002A	●
11,97	11,964-11,982	12	118	71	56	45	KGT5DF4.1197A	○
11,98	11,974-11,992	12	118	71	56	45	KGT5DF4.1198A	○
11,99	11,984-12,002	12	118	71	56	45	KGT5DF4.1199A	○
12 <sup>H7</sup>	12,000 - 12,018	12	118	71	56	45	KGT5DF4.12H7A	●
12,00	11,994-12,012	12	118	71	56	45	KGT5DF4.1200A	●
12,01	12,004-12,022	12	118	71	56	45	KGT5DF4.1201A	○
12,02	12,014-12,032	12	118	71	56	45	KGT5DF4.1202A	○
12,67	12,664-12,682	14	124	77	60	45	KGT5DF4.1267A	○
12,68	12,674-12,692	14	124	77	60	45	KGT5DF4.1268A	○
12,69	12,684-12,702	14	124	77	60	45	KGT5DF4.1269A	○
12,70	12,694-12,712	14	124	77	60	45	KGT5DF4.1270A	●
12,71	12,704-12,722	14	124	77	60	45	KGT5DF4.1271A	○
12,72	12,714-12,732	14	124	77	60	45	KGT5DF4.1272A	○
14 <sup>H7</sup>	14,000 - 14,018	14	124	77	60	45	KGT5DF4.14H7A	●
16 <sup>H7</sup>	16,000 - 16,018	16	133	83	63	48	KGT5DF4.16H7A	●

Dimensioni in mm.

Parametri: pag. 56

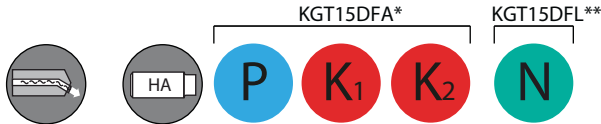
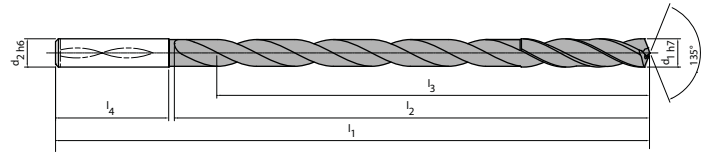
- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (15XD)

Con lubrificazione interna

## Specifiche:

Diametro punta: 3,00 – 16,00 mm  
 Diametro foro: IT 9 (ottenibile)  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN\* | Non rivestito\*\* (per KGT15DFL)  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 135°  
 Elica: 30°



KGT15DFA  
 KGT15DFL

Dimensioni							KGT15DFA			KGT15DFL		
d <sub>1</sub> h <sub>7</sub>	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	L/d-ratio	l <sub>4</sub>	Codice	Stock	Codice	Stock		
3,00	4	90	56	52	17	32	KGT15DFA.0300A	●	KGT15DFL.0300	●		
3,50	4	100	66	61	17	32	KGT15DFA.0350A	●	KGT15DFL.0350	○		
4,00	4	100	66	60	15	32	KGT15DFA.0400A	●	KGT15DFL.0400	●		
4,50	5	110	74	67	15	34	KGT15DFA.0450A	●	KGT15DFL.0450	○		
5,00	5	120	84	77	15	34	KGT15DFA.0500A	●	KGT15DFL.0500	○		
5,50	6	130	92	84	15	36	KGT15DFA.0550A	●	KGT15DFL.0550	○		
6,00	6	140	102	93	16	36	KGT15DFA.0600A	●	KGT15DFL.0600	●		
7,00	7	155	115	105	15	38	KGT15DFA.0700A	●	KGT15DFL.0700	○		
8,00	8	175	133	121	15	40	KGT15DFA.0800A	●	KGT15DFL.0800	○		
9,00	9	190	148	135	15	40	KGT15DFA.0900A	●	KGT15DFL.0900	○		
10,00	10	210	168	153	15	40	KGT15DFA.1000A	●	KGT15DFL.1000	○		
11,00	11	230	183	167	15	45	KGT15DFA.1100A	●	KGT15DFL.1100	○		
12,00	12	250	203	185	15	45	KGT15DFA.1200A	●	KGT15DFL.1200	○		
13,00	13	265	218	199	15	45	KGT15DFA.1300A	●	KGT15DFL.1300	○		
14,00	14	285	233	212	15	50	KGT15DFA.1400A	●	KGT15DFL.1400	○		
15,00	15	305	253	231	15	50	KGT15DFA.1500A	●	KGT15DFL.1500	○		
16,00	16	320	268	244	15	50	KGT15DFA.1600A	●	KGT15DFL.1600	○		

Dimensioni in mm.

Parametri: pag. 53

## Raccomandazioni:

- Per i fori pilota si consiglia di utilizzare le punte KGT3DPA (Pag. 4).
- Angoli di affilatura e tolleranze costruttive sono stati appositamente studiati per l'utilizzo combinato.

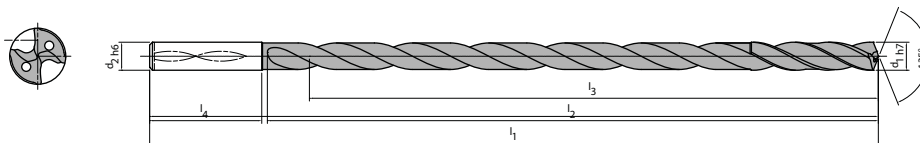
- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (20XD)

Con lubrificazione interna

Specifiche:

Diametro punta: 3,00 – 16,00 mm  
 Tolleranza foro: IT 9 (ottenibile)  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN\* | Non rivestito\*\* (per KGT20DFL)  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 135°  
 Elica: 30°



KGT20DFA  
KGT20DFL

Dimensioni							KGT20DFA		KGT20DFL	
d <sub>1</sub> h7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	L/d-ratio	l <sub>4</sub>	Codice	Stock	Codice	Stock
3,00	4	110	74	70	23	32	KGT20DFA.0300A	●	KGT20DFL.0300	●
3,50	4	120	86	81	23	32	KGT20DFA.0350A	●	KGT20DFL.0350	○
4,00	4	120	86	80	20	32	KGT20DFA.0400A	●	KGT20DFL.0400	●
4,50	5	135	98	91	20	34	KGT20DFA.0450A	●	KGT20DFL.0450	●
5,00	5	145	109	102	20	34	KGT20DFA.0500A	●	KGT20DFL.0500	●
5,50	6	160	120	112	20	36	KGT20DFA.0550A	●	KGT20DFL.0550	○
6,00	6	170	130	121	20	36	KGT20DFA.0600A	●	KGT20DFL.0600	●
7,00	7	190	150	140	20	38	KGT20DFA.0700A	●	KGT20DFL.0700	●
8,00	8	215	173	161	20	40	KGT20DFA.0800A	●	KGT20DFL.0800	●
9,00	9	240	196	183	20	40	KGT20DFA.0900A	●	KGT20DFL.0900	○
10,00	10	260	218	203	20	40	KGT20DFA.1000A	●	KGT20DFL.1000	○
11,00	11	285	238	222	20	45	KGT20DFA.1100A	●	KGT20DFL.1100	○
12,00	12	305	258	240	20	45	KGT20DFA.1200A	●	KGT20DFL.1200	○
13,00	13	330	283	264	20	45	KGT20DFA.1300A	●	KGT20DFL.1300	○
14,00	14	355	303	282	20	50	KGT20DFA.1400A	●	KGT20DFL.1400	○
15,00	15	375	323	301	20	50	KGT20DFA.1500A	●	KGT20DFL.1500	○
16,00	16	400	348	324	20	50	KGT20DFA.1600A	●	KGT20DFL.1600	○

Dimensioni in mm.

Parametri: pag. 53

Raccomandazioni:

- Per i fori pilota si consiglia di utilizzare le punte KGT3DPA (Pag. 4).
- Angoli di affilatura e tolleranze costruttive sono stati appositamente studiati per l'utilizzo combinato.

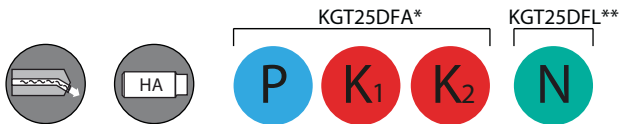
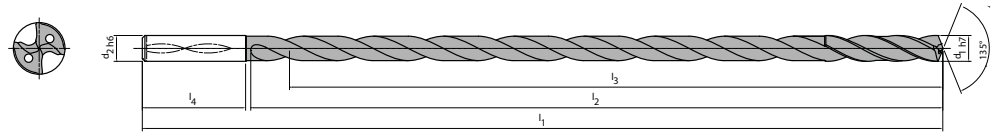
- A stock
- Su richiesta



# PUNTA IN METALLO DURO INTEGRALE (25XD)

Con lubrificazione interna

Specifiche:  
 Diametro punta: 3,00 – 14,00 mm  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN\* | Non rivestito\*\* (Per KGT25DFL)  
 Tolleranza foro: IT 9 (ottenibile)  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 135°  
 Elica: 30°



KGT25DFA  
 KGT25DFL

Dimensioni							KGT25DFA		KGT25DFL	
d1 h7	d2 h6	l1	l2	l3	L/d-ratio	l4	Codice	Stock	Codice	Stock
							KGT25DFA.0300A	●	KGT25DFL.0300	○
3,50	4	140	106	101	29	32	KGT25DFA.0350A	●	KGT25DFL.0350	○
4,00	4	140	106	100	25	32	KGT25DFA.0400A	●	KGT25DFL.0400	○
4,50	5	155	119	112	25	34	KGT25DFA.0450A	●	KGT25DFL.0450	○
5,00	5	170	134	127	25	34	KGT25DFA.0500A	●	KGT25DFL.0500	○
5,50	6	185	147	139	25	36	KGT25DFA.0550A	●	KGT25DFL.0550	○
6,00	6	200	160	151	25	36	KGT25DFA.0600A	●	KGT25DFL.0600	○
7,00	7	225	185	175	25	38	KGT25DFA.0700A	●	KGT25DFL.0700	○
8,00	8	255	213	201	25	40	KGT25DFA.0800A	●	KGT25DFL.0800	○
9,00	9	280	238	225	25	40	KGT25DFA.0900A	●	KGT25DFL.0900	○
10,00	10	310	268	253	25	40	KGT25DFA.1000A	●	KGT25DFL.1000	○
11,00	11	340	293	277	25	45	KGT25DFA.1100A	●	KGT25DFL.1100	○
12,00	12	365	318	300	25	45	KGT25DFA.1200A	●	KGT25DFL.1200	○
13,00	13	390	343	324	25	45	KGT25DFA.1300A	●	KGT25DFL.1300	○
14,00	14	425	373	352	25	50	KGT25DFA.1400A	●	KGT25DFL.1400	○

Dimensioni in mm.

Parametri: pag. 53

Raccomandazioni:

- Per i fori pilota si consiglia di utilizzare le punte KGT3DPA (Pag. 4).
- Angoli di affilatura e tolleranze costruttive sono stati appositamente studiati per l'utilizzo combinato.

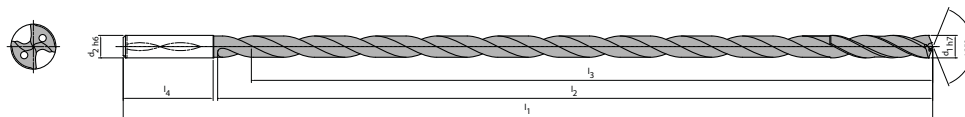
- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (30XD)

Lubrificazione interna

Specifiche:

Diametro punta: 3,00 – 12,00 mm  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN\* | Non Rivestito\*\* (Per KGT30DFL)  
 Tolleranza foro: IT 9 (ottenibile)  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 135°  
 Elica: 30°



KGT30DFA  
 KGT30DFL

Dimensioni							KGT30DFA		KGT30DFL	
d <sub>1</sub> h <sub>7</sub>	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	L/d-ratio	l <sub>4</sub>	Codice	Stock	Codice	Stock
3,00	4	145	110	106	35	32	KGT30DFA.0300A	●	KGT30DFL.0300	○
3,50	4	160	126	121	35	32	KGT30DFA.0350A	●	KGT30DFL.0350	○
4,00	4	160	126	120	30	32	KGT30DFA.0400A	●	KGT30DFL.0400	○
4,50	5	180	144	137	31	34	KGT30DFA.0450A	●	KGT30DFL.0450	○
5,00	5	195	159	152	30	34	KGT30DFA.0500A	●	KGT30DFL.0500	○
5,50	6	210	172	164	30	36	KGT30DFA.0550A	●	KGT30DFL.0550	●
6,00	6	230	192	183	31	36	KGT30DFA.0600A	●	KGT30DFL.0600	●
7,00	7	260	220	210	30	38	KGT30DFA.0700A	●	KGT30DFL.0700	●
8,00	8	295	253	241	30	40	KGT30DFA.0800A	●	KGT30DFL.0800	○
9,00	9	325	283	270	30	40	KGT30DFA.0900A	●	KGT30DFL.0900	○
10,00	10	360	318	303	30	40	KGT30DFA.1000A	●	KGT30DFL.1000	○
11,00	11	400	353	337	31	45	KGT30DFA.1100A	●	KGT30DFL.1100	○
12,00	12	430	383	365	30	45	KGT30DFA.1200A	●	KGT30DFL.1200	○

Dimensioni in mm.

Parametri: pag. 53

Raccomandazioni:

- Per i fori pilota si consiglia di utilizzare le punte KGT3DPA (Pag. 4).
- Angoli di affilatura e tolleranze costruttive sono stati appositamente studiati per l'utilizzo combinato.

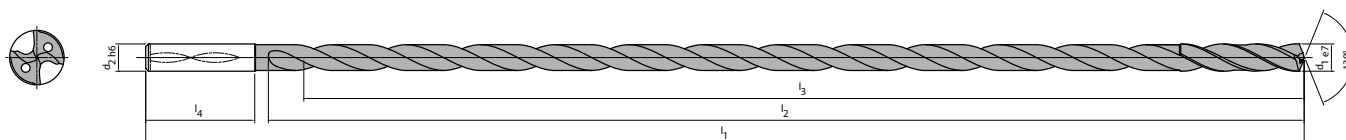
- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (40XD)

Con lubrificazione interna

## Specifiche:

Diametro punta: 3,00 – 12,00 mm  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN\* | Non Rivestito\*\* (per KGT40DFL)  
 Tolleranza foro: IT 9 (ottenibile)  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 130°  
 Elica: 30°



KGT40DFA  
KGT40DFL

Dimensioni							KGT40DFA			KGT40DFL		
d1 e7	d2 h6	l1	l2	l3	L/d-ratio	l4	Codice	Stock	Codice	Stock		
3,00	4	180	145	141	48	32	KGT40DFA.0300A	●	KGT40DFL.0300	○		
3,50	4	205	170	165	49	32	KGT40DFA.0350A	●	KGT40DFL.0350	○		
4,00	4	205	170	164	43	32	KGT40DFA.0400A	●	KGT40DFL.0400	○		
4,50	5	226	190	184	42	34	KGT40DFA.0450A	●	KGT40DFL.0450	○		
5,00	5	245	208	201	42	34	KGT40DFA.0500A	●	KGT40DFL.0500	○		
5,50	6	270	230	222	42	36	KGT40DFA.0550A	●	KGT40DFL.0550	○		
6,00	6	290	250	241	42	36	KGT40DFA.0600A	●	KGT40DFL.0600	○		
7,00	7	330	290	280	41	38	KGT40DFA.0700A	●	KGT40DFL.0700	○		
8,00	8	380	335	323	42	40	KGT40DFA.0800A	●	KGT40DFL.0800	○		
9,00	9	425	380	367	42	40	KGT40DFA.0900A	●	KGT40DFL.0900	○		

Dimensioni in mm.

Parametri: pag. 53

## Raccomandazioni:

- Per i fori pilota si consiglia di utilizzare le punte KGT3DPA (Pag. 4).
- Dopo la punta pilota si consiglia di eseguire il primo step di foratura con la punta KGT20DFA (20xD) con lo stesso diametro nominale.
- Angoli di affilatura e tolleranze costruttive sono stati appositamente studiati per l'utilizzo combinato.

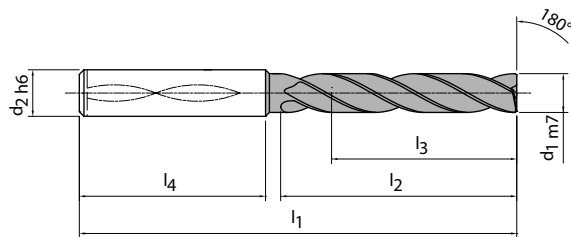
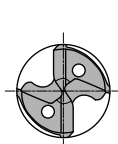
- A stock
- Su richiesta

# PUNTA 180° IN METALLO DURO INTEGRALE (3XD)

Con lubrificazione interna

Specifiche:

Diametro punta: 3,00 – 20,00 mm  
 Tolleranza foro: H9  
 Tipologia codolo: HA  
 Rivestimento: TiAlN  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 180°  
 Elica: 30°



KGT3DFA180

Dimensioni						KGT3DFA180	
d1 m7	d2 h6	l1	l2	l3	l4	Codice	Stock
3,00	6	62	20	14	36	KGT3DFA180.0300A	●
3,10	6	62	20	14	36	KGT3DFA180.0310A	●
3,20	6	62	20	14	36	KGT3DFA180.0320A	●
3,30	6	62	20	14	36	KGT3DFA180.0330A	●
3,40	6	62	20	14	36	KGT3DFA180.0340A	●
3,50	6	62	20	14	36	KGT3DFA180.0350A	●
3,60	6	62	20	14	36	KGT3DFA180.0360A	○
3,70	6	62	20	14	36	KGT3DFA180.0370A	●
3,80	6	66	24	17	36	KGT3DFA180.0380A	●
3,90	6	66	24	17	36	KGT3DFA180.0390A	●
4,00	6	66	24	17	36	KGT3DFA180.0400A	●
4,10	6	66	24	17	36	KGT3DFA180.0410A	●
4,20	6	66	24	17	36	KGT3DFA180.0420A	●
4,30	6	66	24	17	36	KGT3DFA180.0430A	●
4,40	6	66	24	17	36	KGT3DFA180.0440A	○
4,50	6	66	24	17	36	KGT3DFA180.0450A	●
4,60	6	66	24	17	36	KGT3DFA180.0460A	○
4,65	6	66	24	17	36	KGT3DFA180.0465A	●
4,70	6	66	24	17	36	KGT3DFA180.0470A	○
4,80	6	66	28	20	36	KGT3DFA180.0480A	●
4,90	6	66	28	20	36	KGT3DFA180.0490A	○
5,00	6	66	28	20	36	KGT3DFA180.0500A	●
5,10	6	66	28	20	36	KGT3DFA180.0510A	●
5,20	6	66	28	20	36	KGT3DFA180.0520A	●
5,30	6	66	28	20	36	KGT3DFA180.0530A	●
5,40	6	66	28	20	36	KGT3DFA180.0540A	●
5,50	6	66	28	20	36	KGT3DFA180.0550A	●
5,55	6	66	28	20	36	KGT3DFA180.0555A	●
5,60	6	66	28	20	36	KGT3DFA180.0560A	●
5,70	6	66	28	20	36	KGT3DFA180.0570A	●
5,80	6	66	28	20	36	KGT3DFA180.0580A	●

Dimensioni in mm.

Parametri: pag. 57

- A stock
- Su richiesta

# PUNTA 180° IN METALLO DURO INTEGRALE (3XD)



KGT3DFA180

Dimensioni						KGT3DFA180	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
6,10	8	79	34	24	36	KGT3DFA180.0610A	●
6,20	8	79	34	24	36	KGT3DFA180.0620A	●
6,30	8	79	34	24	36	KGT3DFA180.0630A	●
6,40	8	79	34	24	36	KGT3DFA180.0640A	○
6,50	8	79	34	24	36	KGT3DFA180.0650A	●
6,60	8	79	34	24	36	KGT3DFA180.0660A	●
6,70	8	79	34	24	36	KGT3DFA180.0670A	○
6,80	8	79	34	24	36	KGT3DFA180.0680A	●
6,90	8	79	34	24	36	KGT3DFA180.0690A	●
7,00	8	79	34	24	36	KGT3DFA180.0700A	●
7,10	8	79	41	29	36	KGT3DFA180.0710A	○
7,20	8	79	41	29	36	KGT3DFA180.0720A	○
7,30	8	79	41	29	36	KGT3DFA180.0730A	○
7,40	8	79	41	29	36	KGT3DFA180.0740A	●
7,50	8	79	41	29	36	KGT3DFA180.0750A	●
7,60	8	79	41	29	36	KGT3DFA180.0760A	○
7,70	8	79	41	29	36	KGT3DFA180.0770A	○
7,80	8	79	41	29	36	KGT3DFA180.0780A	●
7,90	8	79	41	29	36	KGT3DFA180.0790A	●
8,00	8	79	41	29	36	KGT3DFA180.0800A	●
8,10	10	89	47	35	40	KGT3DFA180.0810A	●
8,20	10	89	47	35	40	KGT3DFA180.0820A	●
8,30	10	89	47	35	40	KGT3DFA180.0830A	○
8,40	10	89	47	35	40	KGT3DFA180.0840A	○
8,50	10	89	47	35	40	KGT3DFA180.0850A	●
8,60	10	89	47	35	40	KGT3DFA180.0860A	●
8,70	10	89	47	35	40	KGT3DFA180.0870A	●
8,80	10	89	47	35	40	KGT3DFA180.0880A	●
8,90	10	89	47	35	40	KGT3DFA180.0890A	○
9,00	10	89	47	35	40	KGT3DFA180.0900A	●
9,10	10	89	47	35	40	KGT3DFA180.0910A	●
9,20	10	89	47	35	40	KGT3DFA180.0920A	○
9,30	10	89	47	35	40	KGT3DFA180.0930A	●
9,40	10	89	47	35	40	KGT3DFA180.0940A	○
9,50	10	89	47	35	40	KGT3DFA180.0950A	●
9,60	10	89	47	35	40	KGT3DFA180.0960A	○
9,70	10	89	47	35	40	KGT3DFA180.0970A	○
9,80	10	89	47	35	40	KGT3DFA180.0980A	●
9,90	10	89	47	35	40	KGT3DFA180.0990A	○
10,00	10	89	47	35	40	KGT3DFA180.1000A	●
10,10	12	100	53	38	45	KGT3DFA180.1010A	●
10,20	12	100	53	38	45	KGT3DFA180.1020A	●
10,30	12	100	53	38	45	KGT3DFA180.1030A	●
10,40	12	100	53	38	45	KGT3DFA180.1040A	○
10,50	12	100	53	38	45	KGT3DFA180.1050A	●
10,60	12	100	53	38	45	KGT3DFA180.1060A	○

Dimensioni in mm.

Parametri: pag. 57

● A stock

○ Su richiesta

# PUNTA 180° IN METALLO DURO INTEGRALE (3XD)



KGT3DFA180

Dimensioni						KGT3DFA180	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
10,70	12	100	53	38	45	KGT3DFA180.1070A	○
10,80	12	100	53	38	45	KGT3DFA180.1080A	○
10,90	12	100	53	38	45	KGT3DFA180.1090A	○
11,00	12	100	53	38	45	KGT3DFA180.1100A	●
11,10	12	100	53	38	45	KGT3DFA180.1110A	○
11,20	12	100	53	38	45	KGT3DFA180.1120A	●
11,30	12	100	53	38	45	KGT3DFA180.1130A	○
11,40	12	100	53	38	45	KGT3DFA180.1140A	○
11,50	12	100	53	38	45	KGT3DFA180.1150A	●
11,60	12	100	53	38	45	KGT3DFA180.1160A	○
11,70	12	100	53	38	45	KGT3DFA180.1170A	○
11,80	12	100	53	38	45	KGT3DFA180.1180A	●
11,90	12	100	53	38	45	KGT3DFA180.1190A	○
12,00	12	100	53	38	45	KGT3DFA180.1200A	●
12,50	14	105	58	41	45	KGT3DFA180.1250A	●
12,80	14	105	58	41	45	KGT3DFA180.1280A	○
13,00	14	105	58	41	45	KGT3DFA180.1300A	●
13,50	14	105	58	41	45	KGT3DFA180.1350A	●
13,80	14	105	58	41	45	KGT3DFA180.1380A	○
14,00	14	105	58	41	45	KGT3DFA180.1400A	●
14,50	16	113	63	43	48	KGT3DFA180.1450A	●
14,80	16	113	63	43	48	KGT3DFA180.1480A	○
15,00	16	113	63	43	48	KGT3DFA180.1500A	●
15,50	16	113	63	43	48	KGT3DFA180.1550A	○
15,80	16	113	63	43	48	KGT3DFA180.1580A	○
16,00	16	113	63	43	48	KGT3DFA180.1600A	●
16,50	18	113	63	43	48	KGT3DFA180.1650A	○
16,80	18	121	71	49	48	KGT3DFA180.1680A	○
17,00	18	121	71	49	48	KGT3DFA180.1700A	●
17,50	18	121	71	49	48	KGT3DFA180.1750A	●
17,80	18	121	71	49	48	KGT3DFA180.1780A	○
18,00	18	121	71	49	48	KGT3DFA180.1800A	○
18,50	20	129	77	53	50	KGT3DFA180.1850A	○
18,80	20	129	77	53	50	KGT3DFA180.1880A	○
19,00	20	129	77	53	50	KGT3DFA180.1900A	○
19,50	20	129	77	53	50	KGT3DFA180.1950A	○
19,80	20	129	77	53	50	KGT3DFA180.1980A	○
20,00	20	129	77	53	50	KGT3DFA180.2000A	●

Dimensioni in mm.

Parametri: pag. 57

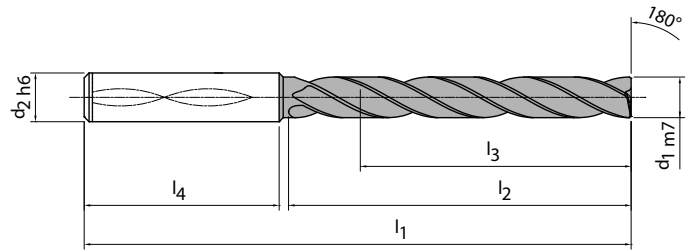
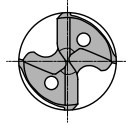
- A stock
- Su richiesta

# PUNTA 180° IN METALLO DURO INTEGRALE (5XD)

Con lubrificazione interna

Specifiche:

Diametro punta: 3,00 – 20,00 mm  
 Tolleranza foro: H9  
 Tipologia codolo: HA  
 Rivestimento: TiAlN  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 180°  
 Elica: 30°



KGT5DFA180

Dimensioni						KGT5DFA180	
d1 m7	d2 h6	l1	l2	l3	l4	Codice	Stock
3,00	6	66	28	23	36	KGT5DFA180.0300A	●
3,10	6	66	28	23	36	KGT5DFA180.0310A	○
3,20	6	66	28	23	36	KGT5DFA180.0320A	●
3,30	6	66	28	23	36	KGT5DFA180.0330A	●
3,40	6	66	28	23	36	KGT5DFA180.0340A	●
3,50	6	66	28	23	36	KGT5DFA180.0350A	●
3,60	6	66	28	23	36	KGT5DFA180.0360A	○
3,70	6	66	28	23	36	KGT5DFA180.0370A	●
3,80	6	74	36	29	36	KGT5DFA180.0380A	●
3,90	6	74	36	29	36	KGT5DFA180.0390A	●
4,00	6	74	36	29	36	KGT5DFA180.0400A	●
4,10	6	74	36	29	36	KGT5DFA180.0410A	○
4,20	6	74	36	29	36	KGT5DFA180.0420A	●
4,30	6	74	36	29	36	KGT5DFA180.0430A	●
4,40	6	74	36	29	36	KGT5DFA180.0440A	○
4,50	6	74	36	29	36	KGT5DFA180.0450A	●
4,60	6	74	36	29	36	KGT5DFA180.0460A	○
4,65	6	74	36	29	36	KGT5DFA180.0465A	●
4,70	6	74	36	29	36	KGT5DFA180.0470A	○
4,80	6	82	44	35	36	KGT5DFA180.0480A	●
4,90	6	82	44	35	36	KGT5DFA180.0490A	○
5,00	6	82	44	35	36	KGT5DFA180.0500A	●
5,10	6	82	44	35	36	KGT5DFA180.0510A	●
5,20	6	82	44	35	36	KGT5DFA180.0520A	●
5,30	6	82	44	35	36	KGT5DFA180.0530A	●
5,40	6	82	44	35	36	KGT5DFA180.0540A	●
5,50	6	82	44	35	36	KGT5DFA180.0550A	●
5,55	6	82	44	35	36	KGT5DFA180.0550A	●
5,60	6	82	44	35	36	KGT5DFA180.0560A	●
5,70	6	82	44	35	36	KGT5DFA180.0570A	●
5,80	6	82	44	35	36	KGT5DFA180.0580A	●

Dimensioni in mm.

Parametri: pag. 57

- A stock
- Su richiesta

# PUNTA 180° IN METALLO DURO INTEGRALE (5XD)



KGT5DFA180

Dimensioni						KGT5DFA180	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
5,90	6	82	44	35	36	KGT5DFA180.0590A	○
6,00	6	82	44	35	36	KGT5DFA180.0600A	●
6,10	8	91	53	43	36	KGT5DFA180.0610A	●
6,20	8	91	53	43	36	KGT5DFA180.0620A	●
6,30	8	91	53	43	36	KGT5DFA180.0630A	●
6,40	8	91	53	43	36	KGT5DFA180.0640A	○
6,50	8	91	53	43	36	KGT5DFA180.0650A	●
6,60	8	91	53	43	36	KGT5DFA180.0660A	●
6,70	8	91	53	43	36	KGT5DFA180.0670A	○
6,80	8	91	53	43	36	KGT5DFA180.0680A	●
6,90	8	91	53	43	36	KGT5DFA180.0690A	●
7,00	8	91	53	43	36	KGT5DFA180.0700A	●
7,10	8	91	53	43	36	KGT5DFA180.0710A	○
7,20	8	91	53	43	36	KGT5DFA180.0720A	○
7,30	8	91	53	43	36	KGT5DFA180.0730A	○
7,40	8	91	53	43	36	KGT5DFA180.0740A	●
7,50	8	91	53	43	36	KGT5DFA180.0750A	●
7,60	8	91	53	43	36	KGT5DFA180.0760A	○
7,70	8	91	53	43	36	KGT5DFA180.0770A	○
7,80	8	91	53	43	36	KGT5DFA180.0780A	●
7,90	8	91	53	43	36	KGT5DFA180.0790A	●
8,00	8	91	53	43	36	KGT5DFA180.0800A	●
8,10	10	103	61	49	40	KGT5DFA180.0810A	●
8,20	10	103	61	49	40	KGT5DFA180.0820A	●
8,30	10	103	61	49	40	KGT5DFA180.0830A	○
8,40	10	103	61	49	40	KGT5DFA180.0840A	○
8,50	10	103	61	49	40	KGT5DFA180.0850A	●
8,60	10	103	61	49	40	KGT5DFA180.0860A	●
8,70	10	103	61	49	40	KGT5DFA180.0870A	●
8,80	10	103	61	49	40	KGT5DFA180.0880A	●
8,90	10	103	61	49	40	KGT5DFA180.0890A	○
9,00	10	103	61	49	40	KGT5DFA180.0900A	●
9,10	10	103	61	49	40	KGT5DFA180.0910A	○
9,20	10	103	61	49	40	KGT5DFA180.0920A	○
9,30	10	103	61	49	40	KGT5DFA180.0930A	●
9,40	10	103	61	49	40	KGT5DFA180.0940A	○
9,50	10	103	61	49	40	KGT5DFA180.0950A	●
9,60	10	103	61	49	40	KGT5DFA180.0960A	○
9,70	10	103	61	49	40	KGT5DFA180.0970A	○
9,80	10	103	61	49	40	KGT5DFA180.0980A	●
9,90	10	103	61	49	40	KGT5DFA180.0990A	○
10,00	10	103	61	49	40	KGT5DFA180.1000A	●
10,10	12	116	69	54	45	KGT5DFA180.1010A	●
10,20	12	116	69	54	45	KGT5DFA180.1020A	●
10,30	12	116	69	54	45	KGT5DFA180.1030A	●
10,40	12	116	69	54	45	KGT5DFA180.1040A	○

Dimensioni in mm.

Parametri: pag. 57

- A stock
- Su richiesta



# PUNTA 180° IN METALLO DURO INTEGRALE (5XD)



KGT5DFA180

Dimensioni						KGT5DFA180	
d <sub>1</sub> m7	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
10,50	12	116	69	54	45	KGT5DFA180.1050A	●
10,60	12	116	69	54	45	KGT5DFA180.1060A	○
10,70	12	116	69	54	45	KGT5DFA180.1070A	○
10,80	12	116	69	54	45	KGT5DFA180.1080A	○
10,90	12	116	69	54	45	KGT5DFA180.1090A	○
11,00	12	116	69	54	45	KGT5DFA180.1100A	●
11,10	12	116	69	54	45	KGT5DFA180.1110A	○
11,20	12	116	69	54	45	KGT5DFA180.1120A	●
11,30	12	116	69	54	45	KGT5DFA180.1130A	○
11,40	12	116	69	54	45	KGT5DFA180.1140A	○
11,50	12	116	69	54	45	KGT5DFA180.1150A	●
11,60	12	116	69	54	45	KGT5DFA180.1160A	○
11,70	12	116	69	54	45	KGT5DFA180.1170A	○
11,80	12	116	69	54	45	KGT5DFA180.1180A	●
11,90	12	116	69	54	45	KGT5DFA180.1190A	○
12,00	12	116	69	54	45	KGT5DFA180.1200A	●
12,50	14	122	75	58	45	KGT5DFA180.1250A	●
12,80	14	122	75	58	45	KGT5DFA180.1280A	○
13,00	14	122	75	58	45	KGT5DFA180.1300A	●
13,50	14	122	75	58	45	KGT5DFA180.1350A	●
13,80	14	122	75	58	45	KGT5DFA180.1380A	○
14,00	14	122	75	58	45	KGT5DFA180.1450A	●
14,50	16	131	81	61	48	KGT5DFA180.1450A	●
14,80	16	131	81	61	48	KGT5DFA180.1480A	○
15,00	16	131	81	61	48	KGT5DFA180.1500A	●
15,50	16	131	81	61	48	KGT5DFA180.1550A	○
15,80	16	131	81	61	48	KGT5DFA180.1580A	○
16,00	16	131	81	61	48	KGT5DFA180.1600A	●
16,50	18	141	91	69	48	KGT5DFA180.1650A	○
16,80	18	141	91	69	48	KGT5DFA180.1680A	○
17,00	18	141	91	69	48	KGT5DFA180.1700A	●
17,50	18	141	91	69	48	KGT5DFA180.1750A	●
17,80	18	141	91	69	48	KGT5DFA180.1780A	○
18,00	18	141	91	69	48	KGT5DFA180.1800A	○
18,50	20	151	99	75	50	KGT5DFA180.1850A	○
18,80	20	151	99	75	50	KGT5DFA180.1880A	○
19,00	20	151	99	75	50	KGT5DFA180.1900A	○
19,50	20	151	99	75	50	KGT5DFA180.1950A	○
19,80	20	151	99	75	50	KGT5DFA180.1980A	○
20,00	20	151	99	75	50	KGT5DFA180.2000A	○

Dimensioni in mm.

Parametri: pag. 57

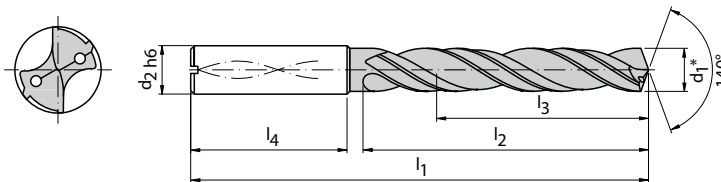
- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (5XD)

Con lubrificazione interna

Specifiche:

Diametro punta: 3,00 – 20,00 mm  
 Tolleranza foro IT 8 (ottenibile)  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 140°  
 Elica: 30°



KGT5DFAQ

Dimensioni						KGT5DFAQ	
d1*	d2 h6	l1	l2	l3	l4	Codice	Stock
3,00	6	66	28	23	36	KGT5DFAQ.0300A	●
3,10	6	66	28	23	36	KGT5DFAQ.0310A	○
3,20	6	66	28	23	36	KGT5DFAQ.0320A	●
3,30	6	66	28	23	36	KGT5DFAQ.0330A	●
3,40	6	66	28	23	36	KGT5DFAQ.0340A	●
3,50	6	66	28	23	36	KGT5DFAQ.0350A	●
3,60	6	66	28	23	36	KGT5DFAQ.0360A	○
3,70	6	66	28	23	36	KGT5DFAQ.0370A	●
3,80	6	74	36	29	36	KGT5DFAQ.0380A	●
3,90	6	74	36	29	36	KGT5DFAQ.0390A	●
4,00	6	74	36	29	36	KGT5DFAQ.0400A	●
4,10	6	74	36	29	36	KGT5DFAQ.0410A	●
4,20	6	74	36	29	36	KGT5DFAQ.0420A	●
4,30	6	74	36	29	36	KGT5DFAQ.0430A	●
4,40	6	74	36	29	36	KGT5DFAQ.0440A	●
4,50	6	74	36	29	36	KGT5DFAQ.0450A	●
4,60	6	74	36	29	36	KGT5DFAQ.0460A	●
4,70	6	74	36	29	36	KGT5DFAQ.0470A	○
4,80	6	82	44	35	36	KGT5DFAQ.0480A	●
4,90	6	82	44	35	36	KGT5DFAQ.0490A	●
5,00	6	82	44	35	36	KGT5DFAQ.0500A	●
5,10	6	82	44	35	36	KGT5DFAQ.0510A	●
5,20	6	82	44	35	36	KGT5DFAQ.0520A	●
5,30	6	82	44	35	36	KGT5DFAQ.0530A	○
5,40	6	82	44	35	36	KGT5DFAQ.0540A	●
5,50	6	82	44	35	36	KGT5DFAQ.0550A	●
5,60	6	82	44	35	36	KGT5DFAQ.0560A	●
5,70	6	82	44	35	36	KGT5DFAQ.0570A	●
5,80	6	82	44	35	36	KGT5DFAQ.0580A	●
5,90	6	82	44	35	36	KGT5DFAQ.0590A	●
6,00	6	82	44	35	36	KGT5DFAQ.0600A	●

Dimensioni in mm.

Parametri pag. 55

- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (5XD)



KGT5DFAQ

Dimensioni						KGT5DFAQ	
d1*	d2 h6	l1	l2	l3	l4	Codice	Stock
6,10	8	91	53	43	36	KGT5DFAQ.0610A	●
6,20	8	91	53	43	36	KGT5DFAQ.0620A	●
6,30	8	91	53	43	36	KGT5DFAQ.0630A	●
6,40	8	91	53	43	36	KGT5DFAQ.0640A	●
6,50	8	91	53	43	36	KGT5DFAQ.0650A	●
6,60	8	91	53	43	36	KGT5DFAQ.0660A	●
6,70	8	91	53	43	36	KGT5DFAQ.0670A	○
6,80	8	91	53	43	36	KGT5DFAQ.0680A	●
6,90	8	91	53	43	36	KGT5DFAQ.0690A	●
7,00	8	91	53	43	36	KGT5DFAQ.0700A	●
7,10	8	91	53	43	36	KGT5DFAQ.0710A	●
7,20	8	91	53	43	36	KGT5DFAQ.0720A	●
7,30	8	91	53	43	36	KGT5DFAQ.0730A	○
7,40	8	91	53	43	36	KGT5DFAQ.0740A	●
7,50	8	91	53	43	36	KGT5DFAQ.0750A	●
7,60	8	91	53	43	36	KGT5DFAQ.0760A	●
7,70	8	91	53	43	36	KGT5DFAQ.0770A	○
7,80	8	91	53	43	36	KGT5DFAQ.0780A	●
7,90	8	91	53	43	36	KGT5DFAQ.0790A	○
8,00	8	91	53	43	36	KGT5DFAQ.0800A	●
8,10	10	103	61	49	40	KGT5DFAQ.0810A	●
8,20	10	103	61	49	40	KGT5DFAQ.0820A	○
8,30	10	103	61	49	40	KGT5DFAQ.0830A	○
8,40	10	103	61	49	40	KGT5DFAQ.0840A	●
8,50	10	103	61	49	40	KGT5DFAQ.0850A	●
8,60	10	103	61	49	40	KGT5DFAQ.0860A	●
8,70	10	103	61	49	40	KGT5DFAQ.0870A	●
8,80	10	103	61	49	40	KGT5DFAQ.0880A	●
8,90	10	103	61	49	40	KGT5DFAQ.0890A	●
9,00	10	103	61	49	40	KGT5DFAQ.0900A	●
9,10	10	103	61	49	40	KGT5DFAQ.0910A	●
9,20	10	103	61	49	40	KGT5DFAQ.0920A	○
9,30	10	103	61	49	40	KGT5DFAQ.0930A	●
9,40	10	103	61	49	40	KGT5DFAQ.0940A	○
9,50	10	103	61	49	40	KGT5DFAQ.0950A	●
9,60	10	103	61	49	40	KGT5DFAQ.0960A	○
9,70	10	103	61	49	40	KGT5DFAQ.0970A	○
9,80	10	103	61	49	40	KGT5DFAQ.0980A	●
9,90	10	103	61	49	40	KGT5DFAQ.0999A	○
10,00	10	103	61	49	40	KGT5DFAQ.1000A	●
10,10	12	118	71	56	45	KGT5DFAQ.1010A	○
10,20	12	118	71	56	45	KGT5DFAQ.1020A	●
10,30	12	118	71	56	45	KGT5DFAQ.1030A	○
10,40	12	118	71	56	45	KGT5DFAQ.1040A	●
10,50	12	118	71	56	45	KGT5DFAQ.1050A	●
10,60	12	118	71	56	45	KGT5DFAQ.1060A	○

Dimensioni in mm.

Parametri pag. 55

- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (5XD)



KGT5DFAQ

Dimensioni						KGT5DFAQ	
d <sub>1</sub> *	d <sub>2</sub> h6	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
10,70	12	118	71	56	45	KGT5DFAQ.1070A	○
10,80	12	118	71	56	45	KGT5DFAQ.1080A	●
10,90	12	118	71	56	45	KGT5DFAQ.1090A	○
11,00	12	118	71	56	45	KGT5DFAQ.1100A	●
11,10	12	118	71	56	45	KGT5DFAQ.1110A	○
11,20	12	118	71	56	45	KGT5DFAQ.1120A	●
11,30	12	118	71	56	45	KGT5DFAQ.1130A	○
11,40	12	118	71	56	45	KGT5DFAQ.1140A	○
11,50	12	118	71	56	45	KGT5DFAQ.1150A	●
11,60	12	118	71	56	45	KGT5DFAQ.1160A	○
11,70	12	118	71	56	45	KGT5DFAQ.1170A	●
11,80	12	118	71	56	45	KGT5DFAQ.1180A	●
11,90	12	118	71	56	45	KGT5DFAQ.1190A	●
12,00	12	118	71	56	45	KGT5DFAQ.1200A	●
12,50	14	124	77	60	45	KGT5DFAQ.1250A	●
12,80	14	124	77	60	45	KGT5DFAQ.1280A	○
13,00	14	124	77	60	45	KGT5DFAQ.1300A	●
13,50	14	124	77	60	45	KGT5DFAQ.1350A	○
14,00	14	124	77	60	45	KGT5DFAQ.1400A	●
14,50	16	133	83	63	48	KGT5DFAQ.1450A	●
14,80	16	133	83	63	48	KGT5DFAQ.1480A	○
15,00	16	133	83	63	48	KGT5DFAQ.1500A	●
15,50	16	133	83	63	48	KGT5DFAQ.1550A	○
15,80	16	133	83	63	48	KGT5DFAQ.1580A	○
16,00	16	133	83	63	48	KGT5DFAQ.1600A	●
16,50	16	133	83	63	48	KGT5DFAQ.1650A	●
16,80	18	143	93	71	48	KGT5DFAQ.1680A	○
17,00	18	143	93	71	48	KGT5DFAQ.1700A	○
17,50	18	143	93	71	48	KGT5DFAQ.1750A	○
18,00	18	143	93	71	48	KGT5DFAQ.1800A	○
18,50	20	153	101	77	50	KGT5DFAQ.1850A	●
18,80	20	153	101	77	50	KGT5DFAQ.1880A	○
19,00	20	153	101	77	50	KGT5DFAQ.1900A	○
19,50	20	153	101	77	50	KGT5DFAQ.1950A	○
19,80	20	153	101	77	50	KGT5DFAQ.1980A	○
20,00	20	153	101	77	50	KGT5DFAQ.2000A	●

Dimensioni in mm.

Parametri pag. 55

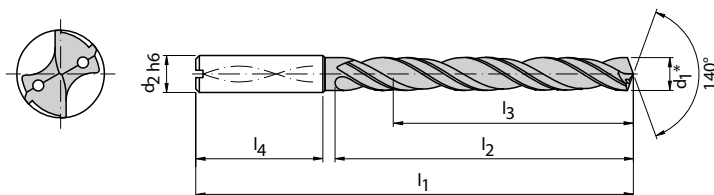
- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (8XD)

Con lubrificazione interna

## Specifiche:

Diametro punta:	3,00 – 20,00 mm
Tolleranza foro:	IT 8 (ottenibile)
Tipologia codolo:	HA (DIN 6535)
Rivestimento:	TiAlN
Numero teglienti:	2
Numero margini:	4
Geometria punta:	Speciale
Affilatura:	140°
Elica:	30°



KGT8DFAQ

Dimensioni						KGT8DFAQ	
d1*	d2 h6	l1	l2	l3	l4	Codice	Stock
3,00	6	72	34	29	36	KGT8DFAQ.0300A	●
3,10	6	72	34	29	36	KGT8DFAQ.0310A	●
3,20	6	72	34	29	36	KGT8DFAQ.0320A	●
3,30	6	72	34	29	36	KGT8DFAQ.0330A	●
3,40	6	72	34	29	36	KGT8DFAQ.0340A	●
3,50	6	72	34	29	36	KGT8DFAQ.0350A	●
3,60	6	72	34	29	36	KGT8DFAQ.0360A	●
3,70	6	72	34	29	36	KGT8DFAQ.0370A	●
3,80	6	81	43	36	36	KGT8DFAQ.0380A	●
3,90	6	81	43	36	36	KGT8DFAQ.0390A	●
4,00	6	81	43	36	36	KGT8DFAQ.0400A	●
4,10	6	81	43	36	36	KGT8DFAQ.0410A	○
4,20	6	81	43	36	36	KGT8DFAQ.0420A	●
4,30	6	81	43	36	36	KGT8DFAQ.0430A	●
4,40	6	81	43	36	36	KGT8DFAQ.0440A	●
4,50	6	81	43	36	36	KGT8DFAQ.0450A	●
4,60	6	81	43	36	36	KGT8DFAQ.0460A	●
4,70	6	81	43	36	36	KGT8DFAQ.0470A	○
4,80	6	95	57	48	36	KGT8DFAQ.0480A	●
4,90	6	95	57	48	36	KGT8DFAQ.0490A	●
5,00	6	95	57	48	36	KGT8DFAQ.0500A	●
5,10	6	95	57	48	36	KGT8DFAQ.0510A	●
5,20	6	95	57	48	36	KGT8DFAQ.0520A	●
5,30	6	95	57	48	36	KGT8DFAQ.0530A	●
5,40	6	95	57	48	36	KGT8DFAQ.0540A	○
5,50	6	95	57	48	36	KGT8DFAQ.0550A	●
5,60	6	95	57	48	36	KGT8DFAQ.0560A	●
5,70	6	95	57	48	36	KGT8DFAQ.0570A	●
5,80	6	95	57	48	36	KGT8DFAQ.0580A	●
5,90	6	95	57	48	36	KGT8DFAQ.0590A	●
6,00	6	95	57	48	36	KGT8DFAQ.0600A	●

Dimensioni in mm.

Parametri: pag. 55

- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (8XD)



KGT8DFAQ

Dimensioni						KGT8DFAQ	
d <sub>1</sub> *	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
6,10	8	114	76	64	36	KGT8DFAQ.0610A	●
6,20	8	114	76	64	36	KGT8DFAQ.0620A	●
6,30	8	114	76	64	36	KGT8DFAQ.0630A	●
6,40	8	114	76	64	36	KGT8DFAQ.0640A	●
6,50	8	114	76	64	36	KGT8DFAQ.0650A	●
6,60	8	114	76	64	36	KGT8DFAQ.0660A	●
6,70	8	114	76	64	36	KGT8DFAQ.0670A	●
6,80	8	114	76	64	36	KGT8DFAQ.0680A	●
6,90	8	114	76	64	36	KGT8DFAQ.0690A	●
7,00	8	114	76	64	36	KGT8DFAQ.0700A	●
7,10	8	114	76	64	36	KGT8DFAQ.0710A	●
7,20	8	114	76	64	36	KGT8DFAQ.0720A	○
7,30	8	114	76	64	36	KGT8DFAQ.0730A	●
7,40	8	114	76	64	36	KGT8DFAQ.0740A	●
7,50	8	114	76	64	36	KGT8DFAQ.0750A	●
7,60	8	114	76	64	36	KGT8DFAQ.0760A	●
7,70	8	114	76	64	36	KGT8DFAQ.0770A	●
7,80	8	114	76	64	36	KGT8DFAQ.0780A	●
7,90	8	114	76	64	36	KGT8DFAQ.0790A	●
8,00	8	114	76	64	36	KGT8DFAQ.0800A	●
8,10	10	142	95	80	40	KGT8DFAQ.0810A	●
8,20	10	142	95	80	40	KGT8DFAQ.0820A	○
8,30	10	142	95	80	40	KGT8DFAQ.0830A	●
8,40	10	142	95	80	40	KGT8DFAQ.0840A	●
8,50	10	142	95	80	40	KGT8DFAQ.0850A	●
8,60	10	142	95	80	40	KGT8DFAQ.0860A	●
8,70	10	142	95	80	40	KGT8DFAQ.0870A	●
8,80	10	142	95	80	40	KGT8DFAQ.0880A	●
8,90	10	142	95	80	40	KGT8DFAQ.0890A	○
9,00	10	142	95	80	40	KGT8DFAQ.0900A	●
9,10	10	142	95	80	40	KGT8DFAQ.0910A	●
9,20	10	142	95	80	40	KGT8DFAQ.0920A	○
9,30	10	142	95	80	40	KGT8DFAQ.0930A	●
9,40	10	142	95	80	40	KGT8DFAQ.0940A	●
9,50	10	142	95	80	40	KGT8DFAQ.0950A	●
9,60	10	142	95	80	40	KGT8DFAQ.0960A	○
9,70	10	142	95	80	40	KGT8DFAQ.0970A	●
9,80	10	142	95	80	40	KGT8DFAQ.0980A	●
9,90	10	142	95	80	40	KGT8DFAQ.0990A	●
10,00	10	142	95	80	40	KGT8DFAQ.1000A	●
10,10	12	162	114	96	45	KGT8DFAQ.1010A	●
10,20	12	162	114	96	45	KGT8DFAQ.1020A	●
10,30	12	162	114	96	45	KGT8DFAQ.1030A	●
10,40	12	162	114	96	45	KGT8DFAQ.1040A	○
10,50	12	162	114	96	45	KGT8DFAQ.1050A	●
10,60	12	162	114	96	45	KGT8DFAQ.1060A	○

Dimensioni in mm.

Parametri: pag. 55

- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (8XD)



KGT8DFAQ

Dimensioni						KGT8DFAQ	
d <sub>1</sub> *	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
10,70	12	162	114	96	45	KGT8DFAQ.1070A	○
10,80	12	162	114	96	45	KGT8DFAQ.1080A	●
10,90	12	162	114	96	45	KGT8DFAQ.1090A	○
11,00	12	162	114	96	45	KGT8DFAQ.1100A	●
11,10	12	162	114	96	45	KGT8DFAQ.1110A	○
11,20	12	162	114	96	45	KGT8DFAQ.1120A	●
11,30	12	162	114	96	45	KGT8DFAQ.1130A	●
11,40	12	162	114	96	45	KGT8DFAQ.1140A	○
11,50	12	162	114	96	45	KGT8DFAQ.1150A	●
11,60	12	162	114	96	45	KGT8DFAQ.1160A	●
11,70	12	162	114	96	45	KGT8DFAQ.1170A	●
11,80	12	162	114	96	45	KGT8DFAQ.1180A	●
11,90	12	162	114	96	45	KGT8DFAQ.1190A	○
12,00	12	162	114	96	45	KGT8DFAQ.1200A	●
12,50	14	178	133	112	45	KGT8DFAQ.1250A	●
12,80	14	178	133	112	45	KGT8DFAQ.1280A	○
13,00	14	178	133	112	45	KGT8DFAQ.1300A	●
13,50	14	178	133	112	45	KGT8DFAQ.1350A	●
13,80	14	178	133	112	45	KGT8DFAQ.1380A	○
14,00	14	178	133	112	45	KGT8DFAQ.1400A	●
14,50	16	203	152	128	48	KGT8DFAQ.1450A	●
14,80	16	203	152	128	48	KGT8DFAQ.1480A	○
15,00	16	203	152	128	48	KGT8DFAQ.1500A	●
15,50	16	203	152	128	48	KGT8DFAQ.1550A	○
15,80	16	203	152	128	48	KGT8DFAQ.1580A	●
16,00	16	203	152	128	48	KGT8DFAQ.1600A	●
16,50	18	222	171	144	48	KGT8DFAQ.1650A	○
16,80	18	222	171	144	48	KGT8DFAQ.1680A	○
17,00	18	222	171	144	48	KGT8DFAQ.1700A	●
17,50	18	222	171	144	48	KGT8DFAQ.1750A	○
17,80	18	222	171	144	48	KGT8DFAQ.1780A	○
18,00	18	222	171	144	48	KGT8DFAQ.1800A	○
18,50	20	243	190	160	50	KGT8DFAQ.1850A	○
18,80	20	243	190	160	50	KGT8DFAQ.1880A	○
19,00	20	243	190	160	50	KGT8DFAQ.1900A	○
19,50	20	243	190	160	50	KGT8DFAQ.1950A	○
19,80	20	243	190	160	50	KGT8DFAQ.1980A	○
20,00	20	243	190	160	50	KGT8DFAQ.2000A	●

Dimensioni in mm.

Parametri: pag. 55

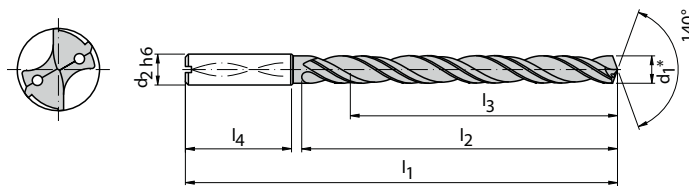
- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (12XD)

Con lubrificazione interna

Specifiche:

Diametro punta: 3,00 – 20,00 mm  
 Tolleranza foro: IT 8 (ottenibile)  
 Tipologia codolo: HA (DIN 6535)  
 Rivestimento: TiAlN  
 Numero taglienti: 2  
 Numero margini: 4  
 Geometria punta: Speciale  
 Affilatura: 140°  
 Elica: 30°



KGT12DFAQ

Dimensioni						KGT12DFAQ	
d <sub>1</sub> *	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
3,00	6	92	54	48	36	KGT12DFAQ.0300A	●
3,10	6	92	54	48	36	KGT12DFAQ.0310A	●
3,20	6	92	54	48	36	KGT12DFAQ.0320A	●
3,30	6	92	54	48	36	KGT12DFAQ.0330A	●
3,40	6	92	54	48	36	KGT12DFAQ.0340A	●
3,50	6	92	54	48	36	KGT12DFAQ.0350A	●
3,60	6	92	54	48	36	KGT12DFAQ.0360A	●
3,70	6	92	54	48	36	KGT12DFAQ.0370A	●
3,80	6	102	64	58	36	KGT12DFAQ.0380A	●
3,90	6	102	64	58	36	KGT12DFAQ.0390A	●
4,00	6	102	64	58	36	KGT12DFAQ.0400A	●
4,10	6	102	64	58	36	KGT12DFAQ.0410A	●
4,20	6	102	64	58	36	KGT12DFAQ.0420A	●
4,30	6	102	64	58	36	KGT12DFAQ.0430A	●
4,40	6	102	64	58	36	KGT12DFAQ.0440A	●
4,50	6	102	64	58	36	KGT12DFAQ.0450A	●
4,60	6	102	64	58	36	KGT12DFAQ.0460A	●
4,70	6	102	64	58	36	KGT12DFAQ.0470A	●
4,80	6	116	78	70	36	KGT12DFAQ.0480A	●
4,90	6	116	78	70	36	KGT12DFAQ.0490A	●
5,00	6	116	78	70	36	KGT12DFAQ.0500A	●
5,10	6	116	78	70	36	KGT12DFAQ.0510A	●
5,20	6	116	78	70	36	KGT12DFAQ.0520A	●
5,30	6	116	78	70	36	KGT12DFAQ.0530A	●
5,40	6	116	78	70	36	KGT12DFAQ.0540A	●
5,50	6	116	78	70	36	KGT12DFAQ.0550A	●
5,60	6	116	78	70	36	KGT12DFAQ.0560A	●
5,70	6	116	78	70	36	KGT12DFAQ.0570A	●
5,80	6	116	78	70	36	KGT12DFAQ.0580A	●
5,90	6	116	78	70	36	KGT12DFAQ.0590A	●
6,00	6	116	78	70	36	KGT12DFAQ.0600A	●

Dimensioni in mm.

Parametri: pag. 55

- A stock
- Su richiesta



# PUNTA IN METALLO DURO INTEGRALE (12XD)



KGT12DFAQ

Dimensioni						KGT12DFAQ	
d1*	d2 h6	l1	l2	l3	l4	Codice	Stock
6,10	8	146	108	94	36	KGT12DFAQ.0610A	●
6,20	8	146	108	94	36	KGT12DFAQ.0620A	●
6,30	8	146	108	94	36	KGT12DFAQ.0630A	●
6,40	8	146	108	94	36	KGT12DFAQ.0640A	●
6,50	8	146	108	94	36	KGT12DFAQ.0650A	●
6,60	8	146	108	94	36	KGT12DFAQ.0660A	●
6,70	8	146	108	94	36	KGT12DFAQ.0670A	●
6,80	8	146	108	94	36	KGT12DFAQ.0680A	●
6,90	8	146	108	94	36	KGT12DFAQ.0690A	●
7,00	8	146	108	94	36	KGT12DFAQ.0700A	●
7,10	8	146	108	94	36	KGT12DFAQ.0710A	●
7,20	8	146	108	94	36	KGT12DFAQ.0720A	●
7,30	8	146	108	94	36	KGT12DFAQ.0730A	○
7,40	8	146	108	94	36	KGT12DFAQ.0740A	●
7,50	8	146	108	94	36	KGT12DFAQ.0750A	●
7,60	8	146	108	94	36	KGT12DFAQ.0760A	●
7,70	8	146	108	94	36	KGT12DFAQ.0770A	○
7,80	8	146	108	94	36	KGT12DFAQ.0780A	●
7,90	8	146	108	94	36	KGT12DFAQ.0790A	●
8,00	8	146	108	94	36	KGT12DFAQ.0800A	●
8,10	10	162	120	110	40	KGT12DFAQ.0810A	●
8,20	10	162	120	110	40	KGT12DFAQ.0820A	●
8,30	10	162	120	110	40	KGT12DFAQ.0830A	●
8,40	10	162	120	110	40	KGT12DFAQ.0840A	●
8,50	10	162	120	110	40	KGT12DFAQ.0850A	●
8,60	10	162	120	110	40	KGT12DFAQ.0860A	●
8,70	10	162	120	110	40	KGT12DFAQ.0870A	●
8,80	10	162	120	110	40	KGT12DFAQ.0880A	●
8,90	10	162	120	110	40	KGT12DFAQ.0890A	●
9,00	10	162	120	110	40	KGT12DFAQ.0900A	●
9,10	10	162	120	110	40	KGT12DFAQ.0910A	○
9,20	10	162	120	110	40	KGT12DFAQ.0920A	○
9,30	10	162	120	110	40	KGT12DFAQ.0930A	●
9,40	10	162	120	110	40	KGT12DFAQ.0940A	○
9,50	10	162	120	110	40	KGT12DFAQ.0950A	●
9,60	10	162	120	110	40	KGT12DFAQ.0960A	○
9,70	10	162	120	110	40	KGT12DFAQ.0970A	●
9,80	10	162	120	110	40	KGT12DFAQ.0980A	●
9,90	10	162	120	110	40	KGT12DFAQ.0990A	●
10,00	10	162	120	110	40	KGT12DFAQ.1000A	●
10,10	12	204	156	142	45	KGT12DFAQ.1010A	●
10,20	12	204	156	142	45	KGT12DFAQ.1020A	●
10,30	12	204	156	142	45	KGT12DFAQ.1030A	●
10,40	12	204	156	142	45	KGT12DFAQ.1040A	●
10,50	12	204	156	142	45	KGT12DFAQ.1050A	●
10,60	12	204	156	142	45	KGT12DFAQ.1060A	○

Dimensioni in mm.

Parametri: pag. 55

- A stock
- Su richiesta

# PUNTA IN METALLO DURO INTEGRALE (12XD)



KGT12DFAQ

Dimensioni						KGT12DFAQ	
d <sub>1</sub> *	d <sub>2</sub> h <sub>6</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	Codice	Stock
10,70	12	204	156	142	45	KGT12DFAQ.1070A	○
10,80	12	204	156	142	45	KGT12DFAQ.1080A	●
10,90	12	204	156	142	45	KGT12DFAQ.1090A	●
11,00	12	204	156	142	45	KGT12DFAQ.1100A	●
11,10	12	204	156	142	45	KGT12DFAQ.1110A	○
11,20	12	204	156	142	45	KGT12DFAQ.1120A	○
11,30	12	204	156	142	45	KGT12DFAQ.1130A	○
11,40	12	204	156	142	45	KGT12DFAQ.1140A	●
11,50	12	204	156	142	45	KGT12DFAQ.1150A	●
11,60	12	204	156	142	45	KGT12DFAQ.1160A	●
11,70	12	204	156	142	45	KGT12DFAQ.1170A	●
11,80	12	204	156	142	45	KGT12DFAQ.1180A	●
11,90	12	204	156	142	45	KGT12DFAQ.1190A	●
12,00	12	204	156	142	45	KGT12DFAQ.1200A	●
12,50	14	230	182	166	45	KGT12DFAQ.1250A	●
12,80	14	230	182	166	45	KGT12DFAQ.1280A	○
13,00	14	230	182	166	45	KGT12DFAQ.1300A	●
13,50	14	230	182	166	45	KGT12DFAQ.1350A	●
13,80	14	230	182	166	45	KGT12DFAQ.1380A	○
14,00	14	230	182	166	45	KGT12DFAQ.1400A	●
14,50	16	260	208	192	48	KGT12DFAQ.1450A	○
14,80	16	260	208	192	48	KGT12DFAQ.1480A	○
15,00	16	260	208	192	4	KGT12DFAQ.1500A	●
15,50	16	260	208	192	48	KGT12DFAQ.1550A	○
15,80	16	260	208	192	48	KGT12DFAQ.1580A	○
16,00	16	260	208	192	48	KGT12DFAQ.1600A	●
16,50	18	285	234	216	48	KGT12DFAQ.1650A	○
16,80	18	285	234	216	48	KGT12DFAQ.1680A	○
17,00	18	285	234	216	48	KGT12DFAQ.1700A	●
17,50	18	285	234	216	48	KGT12DFAQ.1750A	○
17,80	18	285	234	216	48	KGT12DFAQ.1780A	●
18,00	18	285	234	216	48	KGT12DFAQ.1800A	○
18,50	20	310	258	240	50	KGT12DFAQ.1850A	○
18,80	20	310	258	240	50	KGT12DFAQ.1880A	●
19,00	20	310	258	240	50	KGT12DFAQ.1900A	●
19,50	20	310	258	240	50	KGT12DFAQ.1950A	○
19,80	20	310	258	240	50	KGT12DFAQ.1980A	○
20,00	20	310	258	240	50	KGT12DFAQ.2000A	○

Dimensioni in mm.

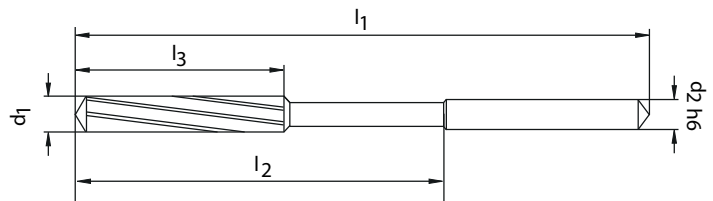
Parametri: pag. 55

- A stock
- Su richiesta

# ALESATORI IN METALLO DURO INTEGRALE

Specifiche:

Diametro alesatore: 0,49 – 20,10 mm  
 Tolleranza foro: H7  
 Tipologia codolo: HA (Cilindrico)  
 Rivestimento: Non rivestito  
 Numero taglienti: 4 - 6  
 Geometria : Tagliente destro  
 Elica: Sinistra 15°



Tolleranza di costruzione

Ø	Tolleranza
0,10 - 3,00	0/ + 0,003
3,01 - 6,00	0/ + 0,004
6,01 - 20,00	0/ + 0,005



Dimensioni					KGT6DFA		
d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub> h6	l <sub>3</sub>	l <sub>2</sub>	Z	Codice*	
0,49 - 0,53	35	1,5	5	10	4	KGT2100. ....	
0,54 - 0,59	35	1,5	5	10	4	KGT2100. ....	
0,60 - 0,69	35	1,5	6	12	4	KGT2100. ....	
0,70 - 0,79	35	1,5	6	12	4	KGT2100. ....	
0,80 - 0,90	35	1,5	6	15	4	KGT2100. ....	
0,91 - 1,00	35	1,5	8	15	4	KGT2100. ....	
1,01 - 1,20	35	1,5	10	27	4	KGT2100. ....	
1,21 - 1,50	40	1,5	12	23	4	KGT2100. ....	
1,51 - 2,00	45	2	16	28	4	KGT2100. ....	
2,01 - 2,40	50	2 - 3	18	31	4	KGT2100. ....	
2,41 - 2,70	55	3	20	34	4	KGT2100. ....	
2,71 - 3,10	60	3	20	39	4 - 6	KGT2100. ....	
3,11 - 3,70	60	4	22	37	6	KGT2100. ....	
3,71 - 4,10	65	4	24	40	6	KGT2100. ....	
4,11 - 4,60	65	5	24	40	6	KGT2100. ....	
4,61 - 4,90	65	5	26	38	6	KGT2100. ....	
4,91 - 5,20	75	5	26	48	6	KGT2100. ....	
5,21 - 5,70	75	5	26	48	6	KGT2100. ....	
5,71 - 6,20	75	5 - 6	26	48	6	KGT2100. ....	
6,21 - 6,60	80	6	30	49	6	KGT2100. ....	
6,61 - 6,90	80	6 - 7	30	49	6	KGT2100. ....	
6,91 - 7,20	95	7	35	59	6	KGT2100. ....	
7,21 - 7,70	95	7	35	59	6	KGT2100. ....	
7,71 - 8,20	95	7 - 8	35	59	6	KGT2100. ....	
8,21 - 8,70	100	8	35	64	6	KGT2100. ....	
8,71 - 8,90	100	8 - 9	35	64	6	KGT2100. ....	
8,91 - 9,20	100	9	35	64	6	KGT2100. ....	
9,21 - 9,70	100	9	35	64	6	KGT2100. ....	
9,71 - 9,90	100	9 - 10	35	64	6	KGT2100. ....	
9,91 - 10,70	100	10	35	64	6	KGT2100. ....	
10,71 - 10,90	100	10 - 11	35	64	6	KGT2100. ....	
10,91 - 11,20	100	11	35	64	6	KGT2100. ....	
11,21 - 11,70	100	11	35	64	6	KGT2100. ....	
11,71 - 11,90	100	11 - 12	35	64	6	KGT2100. ....	
11,91 - 12,60	100	12	35	64	6	KGT2100. ....	
12,61 - 12,90	100	12 - 13	35	64	6	KGT2100. ....	
12,91 - 13,52	100	13	35	64	6	KGT2100. ....	
13,90 - 14,10	100	14	35	64	6	KGT2100. ....	
14,90 - 15,10	100	14	35	64	6	KGT2100. ....	
15,90 - 16,10	100	16	35	64	6	KGT2100. ....	
17,90 - 18,10	100	18	35	64	6	KGT2100. ....	
19,90 - 20,10	100	20	35	64	6	KGT2100. ....	

Per l'inversione del fondo si consiglia il nostro taglio frontale 180°

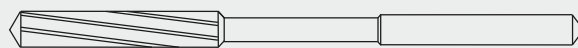
\* Esempio di ordinazione KGT2100.0600 (Alesatore Ø 6,00)

Dimensioni in mm.

Disponibili su richiesta per materiali da 58 a 65 HRC

# Parametri di taglio

## KGT2100

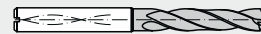


KGT2100

	Forza [N/mm <sup>2</sup> ] Durezza (HB)	Velocità di taglio Vc [m/min] KGT2100	Avanzamento consigliato in base ai diametri f [mm/giro]				
			2 mm	6 mm	10 mm	14 mm	
Materiali							
P	Acciai non legati, acciai da costruzione	700 N/mm <sup>2</sup>	20 - 25	0,10	0,12	0,18	0,18
	Acciai legati	1100 N/mm <sup>2</sup>	12 - 18	0,08	0,10	0,18	0,18
		1400 N/mm <sup>2</sup>	10 - 15	0,08	0,09	0,15	0,20
M	Inox Acciai inossidabili e resistenti agli acidi (Cr-Ni-lega)		7 - 12	0,07	0,10	0,12	0,15
K <sub>1</sub>	Ghisa con grafite lamellare e sferica	≤ 180 N/mm <sup>2</sup>	30 - 40	0,10	0,12	0,20	0,20
K <sub>2</sub>	Ghisa dura	≤ 180 N/mm <sup>2</sup>	8 - 10	0,07	0,10	0,15	0,18
N	Rame Bronzo Ottone		20 - 40	0,12 - 0,20	0,18 - 0,22	0,20 - 0,30	0,25 - 0,35
	Alluminio	≤ 160 N/mm <sup>2</sup>	40 - 60	0,15	0,18	0,25	0,30
S	Leghe titanio		6 - 10	0,07	0,10	0,12	0,15
H	Acciaio Temprato	≤ 46HRC	6 - 10	0,07	0,10	0,12	0,15

# Parametri di taglio

## KGT12DFA



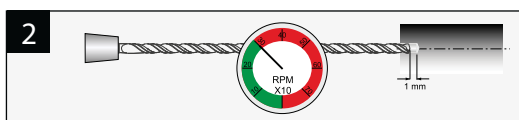
KGT12DFA  
lubrificazione interna

	Forza [N/mm <sup>2</sup> ] Durezza (HB)	Velocità di taglio Vc [m/min]  KGT12DFA	Avanzamento consigliato in base ai diametri f [mm/giro]			
			da 3 a 5 mm	da 5 a 8 mm	da 8 a 12 mm	
<b>Materiali</b>						
<b>P</b>	Acciai non legati, acciai da costruzione	≤ 600 N/mm <sup>2</sup>	95-115	0,10-0,18	0,15-0,25	0,18-0,30
		≤ 700 N/mm <sup>2</sup>	85-105	0,10-0,18	0,15-0,25	0,18-0,30
		> 700 N/mm <sup>2</sup>	75-90	0,10-0,20	0,15-0,28	0,18-0,35
	Acciai legati	≤ 900 N/mm <sup>2</sup>	65-85	0,10-0,20	0,15-0,28	0,18-0,35
		≤ 1000 N/mm <sup>2</sup>	50-70	0,10-0,15	0,12-0,20	0,14-0,25
<b>M</b>	Inox		30-50	0,06-0,12	0,08-0,15	0,10-0,20
	Acciai inossidabili e resistenti agli acidi (Cr-Ni-lega)		30-40	0,06-0,12	0,08-0,15	0,10-0,20
<b>K<sub>1</sub></b>	Ghisa grigia, lega ghisa grigia	≤ 200 N/mm <sup>2</sup>	80-130	0,06-0,12	0,08-0,15	0,10-0,20
		≤ 250 N/mm <sup>2</sup>	70-115	0,06-0,12	0,08-0,15	0,10-0,20
		≤ 250 N/mm <sup>2</sup>	60-100	0,06-0,12	0,08-0,15	0,10-0,20
<b>K<sub>2</sub></b>	Ghisa sferoidale, vermicolare, ghisa malleabile	≤ 600 N/mm <sup>2</sup>	75-90	0,06-0,12	0,08-0,15	0,10-0,20
		> 600 N/mm <sup>2</sup>	65-80	0,08-0,15	0,10-0,20	0,18-0,30
<b>N</b>	Alluminio (Si < 10%)					
	Alluminio (Si > 10%)					
	Rame, ottone, bronzo					
<b>S</b>	Leghe titanio					
	Leghe base nickel					
<b>H</b>	Ghisa refrattaria					
	Acciaio temprato					



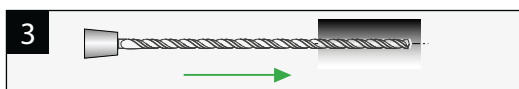
### 1 Esecuzione del foro pilota

- angolo di affilatura punta pilota 140° / tolleranza m7  
(o 0,01 - 0,2 > ø punta per foro profondo)
- profondità del foro pilota 1,5 a 2,0 x D



### 2 Entrata nel foro pilota

- giri mandrino massimo 300 giri/min
- avanzamento vf= 1000 mm/min
- lubrificante spento fino a 1mm prima dell'impronta della punta pilota
- accendere refrigerante



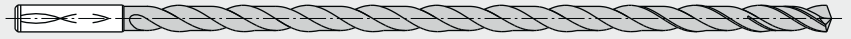
### 3 Foratura

- velocità (Vc) e avanzamento (f) come da tabella parametri
- foratura a ciclo continuo senza scarichi

# Parametri di taglio

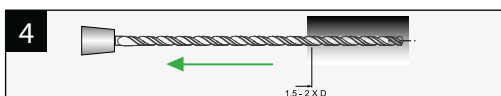
KGT15DFL, KGT20DFL, KGT15DFA, KGT20DFA

KGT25DFL, KGT30DFL, KGT25DFA, KGT30DFA, KGT40DFA, KGT40DFL



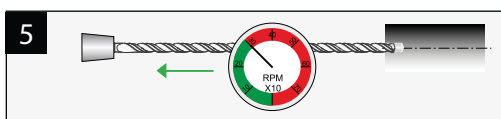
KGT15DFL, KGT20DFL, KGT15DFA, KGT20DFA  
KGT25DFL, KGT30DFL, KGT25DFA, KGT30DFA, KGT40DFA, KGT40DFL  
lubrificazione interna

			Velocità di taglio Vc [m/min]				Avanzamento consigliato in base ai diametri f [mm/giro]				
da 12 a 16 mm	da 16 a 20 mm	da 20 a 25 mm	KGT15DFL*, KGT20DFL* KGT15DFA, KGT20DFA		KGT25DFL*, KGT30DFL* KGT25DFA, KGT30DFA KGT40DFA, KGT40DFL*		da 3 a 5 mm	da 5 a 8 mm	da 8 a 12 mm	da 12 a 16 mm	
0,20-0,30	0,25-0,40	0,30-0,45	80	90	70	80	0,08-0,12	0,13-0,17	0,17-0,22	0,22-0,26	P
0,20-0,35	0,25-0,40	0,30-0,45	70	80	65	75	0,08-0,12	0,13-0,17	0,17-0,22	0,22-0,26	P
0,20-0,38	0,25-0,42	0,30-0,50	65	72	58	65	0,10-0,14	0,14-0,19	0,19-0,24	0,24-0,28	P
0,20-0,38	0,25-0,42	0,30-0,50	65	70	60	65	0,10-0,14	0,14-0,19	0,19-0,24	0,24-0,28	P
0,16-0,30	0,18-0,32	0,20-0,35	60	65	50	60	0,10-0,14	0,14-0,19	0,19-0,24	0,24-0,28	P
0,16-0,30	0,18-0,32	0,20-0,35	50	55	45	50	0,08-0,12	0,12-0,16	0,16-0,20	0,20-0,24	P
0,10-0,20	0,15-0,25	0,15-0,25									M
0,10-0,20	0,15-0,25	0,15-0,25									M
0,25-0,45	0,30-0,50	0,35-0,55	90	110	80	100	0,20-0,26	0,26-0,34	0,34-0,40	0,40-0,50	K <sub>1</sub>
0,20-0,40	0,25-0,45	0,30-0,50	75	90	65	80	0,18-0,22	0,22-0,30	0,30-0,37	0,37-0,44	K <sub>1</sub>
0,20-0,40	0,25-0,45	0,30-0,50	65	70	60	65	0,15-0,20	0,20-0,26	0,26-0,33	0,33-0,38	K <sub>2</sub>
0,30-0,40	0,35-0,50	0,40-0,50	70	90	65	80	0,18-0,22	0,22-0,30	0,30-0,35	0,35-0,42	K <sub>2</sub>
0,25-0,35	0,30-0,40	0,35-0,45	55	65	50	60	0,15-0,20	0,20-0,26	0,26-0,33	0,33-0,38	K <sub>2</sub>
			185*	185*	170*	170*	0,15-0,20	0,20-0,26	0,26-0,33	0,33-0,38	N
			150*	150*	135*	135*	0,12-0,16	0,16-0,22	0,22-0,27	0,27-0,32	N
			175*	175*	160*	160*	0,10-0,12	0,16-0,22	0,22-0,27	0,27-0,32	N
											S
											H



#### 4 Arretramento

- arretrare con giri mandrino al 100% e avanzamento al doppio dell'avanzamento di lavoro (2 x Vf) fino a 1,5-2 x D dalla superficie del pezzo



#### 5 Uscita dal pezzo

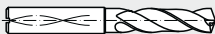
- spegnere il refrigerante
- uscire dal foro con massimo 300 giri/minuto e avanzamento 1000 mm/min

Pressione refrigerante richiesta per KGT15DFL, KGT20DFL, KGT15DFA, KGT20DFA, KGT25DFL, KGT30DFL, KGT30DFA, KGT40DFA, KGT40DFL

	ø 3 - 5	ø 5 - 8	ø 8 - 12	ø 12 - 16
Lubrificazione interna	60 bar	40 bar	30 bar	25 bar
Lubrificazione minimale	12 bar	10 bar	9 bar	8 bar

# Parametri di taglio

## KGT3DFL, KGT5DFL, KGT8DFL, KGT12DFL

Materiali		 KGT3DFL, KGT5DFL, KGT8DFL, KGT12DFL lubrificazione interna					
		Forza [N/mm <sup>2</sup> ] Durezza (HB)	Velocità di taglio Vc [m/min]  KGT3DFL, KGT5DFL, KGT8DFL, KGT12DFL	Avanzamento consigliato in base ai diametri f [mm/giro]			
				da 3 a 5 mm	da 5 a 8 mm	da 8 a 12 mm	12 a 16 mm
P	Acciai non legati, acciai da costruzione	≤ 600 N/mm <sup>2</sup>					
		≤ 700 N/mm <sup>2</sup>					
		> 700 N/mm <sup>2</sup>					
	Acciai legati	≤ 900 N/mm <sup>2</sup>					
		≤ 1000 N/mm <sup>2</sup>					
		> 1000 N/mm <sup>2</sup>					
M	Inox Acciai inossidabili e resistenti agli acidi (Cr-Ni-lega)						
K <sub>1</sub>	Ghisa grigia, lega ghisa grigia	≤ 200 N/mm <sup>2</sup>					
		≤ 250 N/mm <sup>2</sup>					
		≤ 250 N/mm <sup>2</sup>					
K <sub>2</sub>	Ghisa sferoidale, vermicolare, ghisa malleabile	≤ 600 N/mm <sup>2</sup>					
		> 600 N/mm <sup>2</sup>					
N	Alluminio (Si < 10%)		90-300	0,10-0,25	0,15-0,35	0,25-0,45	0,30-0,50
	Alluminio (Si > 10%)		100-400	0,10-0,25	0,15-0,35	0,25-0,45	0,30-0,50
	Rame, ottone, bronzo		70-300	0,07-0,18	0,12-0,25	0,20-0,35	0,25-0,45
S	Leghe titanio						
	Leghe base nickel						
H	Ghisa refrattaria						
	Acciaio temprato						

# Parametri di taglio KGT5DFAQ, KGT8DFAQ, KGT12DFAQ





KGT5DFAQ, KGT8DFAQ, KGT12DFAQ  
lubrificazione interna

			Velocità di taglio Vc [m/min]	Avanzamento consigliato in base ai diametri f [mm/giro]					
				KGT5DFAQ KGT8DFAQ KGT12DFAQ	da 3 a 5 mm	da 5 a 8 mm	da 8 a 12 mm	da 12 a 16 mm	
			80-100	0,10-0,18	0,15-0,25	0,18-0,30	0,20-0,35	0,25-0,40	P
			70-90	0,10-0,18	0,15-0,25	0,18-0,30	0,20-0,35	0,25-0,40	
			60-80	0,10-0,20	0,15-0,28	0,18-0,35	0,20-0,38	0,25-0,42	
			60-70	0,10-0,25	0,15-0,28	0,18-0,35	0,20-0,38	0,25-0,42	
			40-60	0,10-0,15	0,12-0,20	0,14-0,25	0,16-0,30	0,18-0,32	
			40-50	0,10-0,15	0,12-0,20	0,14-0,25	0,16-0,30	0,18-0,32	
									M
			70-90	0,15-0,25	0,20-0,35	0,25-0,45	0,30-0,50	0,35-0,55	K <sub>1</sub>
			60-80	0,15-0,25	0,20-0,35	0,25-0,45	0,30-0,50	0,35-0,55	
			60-70	0,12-0,20	0,15-0,25	0,20-0,35	0,25-0,40	0,30-0,45	K <sub>2</sub>
			75-90	0,10-0,20	0,12-0,25	0,20-0,35	0,30-0,40	0,35-0,50	
			65-80	0,08-0,15	0,10-0,20	0,18-0,30	0,25-0,35	0,30-0,40	
									N
									S
									H



# Parametri di taglio

## KGT3DP4, KGT3DF4, KGT5DF4

								
		KGT3DP4		KGT3DF4, KGT5DF4				
		lubrificazione esterna		lubrificazione interna				
Materiali		Forza [N/mm <sup>2</sup> ] Durezza (HB)	Velocità di taglio Vc[m/min]		Avanzamento consigliato in base ai diametri f [mm/giro]			
			KGT3DP4	KGT3DF4 KGT5DF4	da 3 a 5 mm	da 5 a 8 mm	da 8 a 12 mm	da 12 a 16 mm
P	Acciai non legati, acciai da costruzione	≤ 600 N/mm <sup>2</sup>						
		≤ 700 N/mm <sup>2</sup>	60-7	70-90	0,10-0,18	0,15-0,25	0,18-0,30	0,20-0,35
		> 700 N/mm <sup>2</sup>	50-6	60-80	0,10-0,20	0,15-0,28	0,18-0,35	0,20-0,38
	Acciai legati	≤ 900 N/mm <sup>2</sup>	40-60	60-70	0,10-0,20	0,15-0,28	0,18-0,35	0,20-0,38
		≤ 1000 N/mm <sup>2</sup>	30-50	40-60	0,10-0,15	0,12-0,20	0,14-0,25	0,16-0,30
	> 1000 N/mm <sup>2</sup>	30-40	40-50	0,10-0,15	0,12-0,20	0,14-0,25	0,16-0,30	
M	Inox							
	Acciai inossidabili e resistenti agli acidi (Cr-Ni-lega)							
K <sub>1</sub>	Ghisa grigia, lega ghisa grigia	≤ 200 N/mm <sup>2</sup>	60-70	70-90	0,15-0,25	0,20-0,35	0,25-0,45	0,30-0,50
		≤ 250 N/mm <sup>2</sup>	50-60	60-89	0,15-0,25	0,20-0,35	0,25-0,45	0,30-0,50
		≤ 250 N/mm <sup>2</sup>	40-50	60-70	0,12-0,20	0,15-0,25	0,20-0,35	0,25-0,40
K <sub>2</sub>	Ghisa sferoidale, vermicolare, ghisa malleabile	≤ 600 N/mm <sup>2</sup>	45-60	55-70	0,10-0,18	0,15-0,25	0,18-0,30	0,20-0,35
		> 600 N/mm <sup>2</sup>	40-5	45-60	0,18-0,20	0,15-0,28	0,18-0,35	0,20-0,38
N	Alluminio (Si < 10%)		70-90	80-100	0,10-0,20	0,15-0,25	0,20-0,30	0,25-0,35
	Alluminio (Si > 10%)		80-10	90-120	0,10-0,20	0,15-0,25	0,20-0,30	0,25-0,35
	Rame, ottone, bronzo							
S	Leghe titanio							
	Leghe base nickel							
H	Ghisa refrattaria							
	Acciaio temprato							

# Parametri di taglio

## KGT3DFA180, KGT5DFA180



KGT3DFA180, KGT5DFA180  
lubrificazione interna

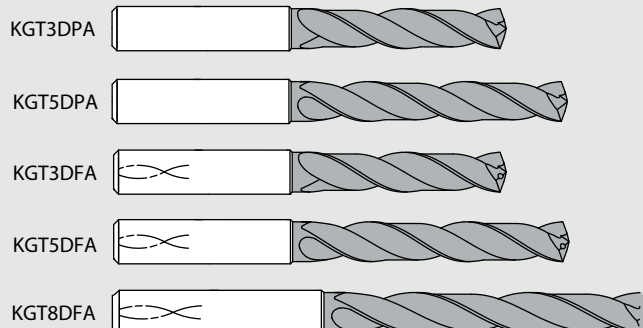
Esempi	Velocità di taglio Vc[m/min]	Avanzamento consigliato in base ai diametri f [mm/giro]					
		da 3 a 5 mm	da 5 a 8 mm	da 8 a 12 mm	da 12 a 16 mm	da 16 a 20 mm	
St37, St42, C22, GS38	75 - 95	0,08 - 0,14	0,12 - 0,20	0,15 - 0,25	0,16 - 0,28	0,20 - 0,32	P
St50, St60, C45, GS62	65 - 85	0,08 - 0,14	0,12 - 0,20	0,15 - 0,25	0,16 - 0,28	0,20 - 0,32	
St70, C70	60 - 80	0,08 - 0,15	0,12 - 0,22	0,15 - 0,28	0,16 - 0,30	0,20 - 0,33	
16MnCr5, 90MnCrV8	50 - 70	0,08 - 0,15	0,12 - 0,22	0,15 - 0,28	0,16 - 0,30	0,20 - 0,33	
100Cr6, 42CrMo4	40 - 60	0,08 - 0,12	0,10 - 0,15	0,11 - 0,20	0,12 - 0,24	0,14 - 0,25	
X210Cr13, 34CrAlNi7	40 - 50	0,08 - 0,12	0,10 - 0,15	0,11 - 0,20	0,12 - 0,24	0,14 - 0,25	M
X5 CrNi, 18 9 (V2A)	40 - 60	0,04 - 0,08	0,05 - 0,10	0,06 - 0,12	0,09 - 0,16	0,12 - 0,20	
X10 CrNiMoTi 18 10, G-X40 CrNi 27 4	40 - 50	0,03 - 0,06	0,04 - 0,08	0,05 - 0,10	0,06 - 0,12	0,06 - 0,12	K <sub>1</sub>
GG10, GG15	80 - 110	0,08 - 0,20	0,12 - 0,25	0,16 - 0,32	0,20 - 0,36	0,24 - 0,40	
GG20, GG25, GTW40	70 - 100	0,08 - 0,15	0,10 - 0,20	0,12 - 0,28	0,16 - 0,32	0,20 - 0,36	
GG30, GG40, GTS70	60 - 80	0,08 - 0,15	0,10 - 0,20	0,12 - 0,28	0,16 - 0,32	0,20 - 0,36	
GGG40, GGG50	65 - 80	0,08 - 0,15	0,10 - 0,20	0,16 - 0,28	0,24 - 0,32	0,28 - 0,40	
GGG60, GGG70, GGV	60 - 70	0,06 - 0,12	0,08 - 0,15	0,14 - 0,25	0,20 - 0,28	0,24 - 0,32	K <sub>2</sub>
GD-ALSi9Cu3, ALSi7Mg0,6		0,08 - 0,20	0,12 - 0,28	0,20 - 0,36	0,24 - 0,40	0,28 - 0,44	N
GD-ALSi12(Cu), ALSi17Cu4Mg (Alusil)		0,08 - 0,20	0,12 - 0,28	0,20 - 0,36	0,24 - 0,40	0,28 - 0,44	
G-CuZn15, CuZn37, CuSn8		0,08 - 0,20	0,12 - 0,28	0,20 - 0,36	0,24 - 0,40	0,28 - 0,44	S
G-CuZn15, CuZn37, CuSn8		0,08 - 0,20	0,12 - 0,28	0,20 - 0,36	0,24 - 0,40	0,28 - 0,44	H

Fattore di correzione Kv per f [mm/rev] perforatura su piani inclinati

Inclinazione della superficie del pezzo	Kv 3xD	Kv 5xD
0°	0,5	0,4
15°	0,5	0,25
30°	0,4	Non raccomandato
45°	0,25	Non raccomandato

# Parametri di taglio

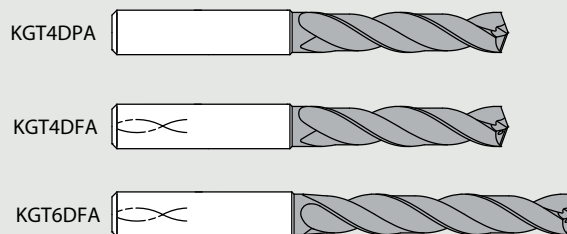
## KGT3DPA, KGT5DPA, KGT3DFA, KGT5DFA, KGT8DFA



	Forza [N/mm <sup>2</sup> ] Durezza HB	esempi	Velocità di taglio Vc [m/min]			Avanzamento consigliato in base ai diametri f [mm/giro]		
			KGT3DPA KGT5DPA	KGT3DFA KGT5DFA KGT8DFA	da 2 a 3 mm	da 3 a 5 mm	da 5 a 8 mm	
Materiali								
P	acciai non legati acciai da costruzione	≤ 600 N/mm <sup>2</sup>	St37, St42, C22, GS38	75-90	85-105	0,05-0,07	0,09-0,16	0,14-0,23
		≤ 700 N/mm <sup>2</sup>	St50, St60, C45, GS62	70-80	75-95	0,04-0,07	0,09-0,16	0,14-0,23
		> 700 N/mm <sup>2</sup>	St70, C70	60-70	70-80	0,04-0,07	0,09-0,18	0,14-0,25
	acciai legati	≤ 900 N/mm <sup>2</sup>	16MnCr5, 90MnCrV8	50-70	60-75	0,03-0,06	0,09-0,18	0,14-0,25
		≤ 1000 N/mm <sup>2</sup>	100Cr6, 42CrMo4	40-55	45-65	0,03-0,06	0,09-0,14	0,11-0,18
		> 1000 N/mm <sup>2</sup>	X210Cr13, 34CrAlNi7	30-45	35-55	0,03-0,06	0,09-0,14	0,11-0,18
M	Inox acciai inossidabili e resistenti agli acidi (Cr-Ni lega)		X5 CrNi 18 9 (V2A), X10 CrNiMoTi 18 10, G-X40 CrNi 27 4		25-45	0,02-0,05	0,06-0,12	0,08-0,15
					25-35	0,02-0,05	0,06-0,12	0,08-0,15
K <sub>1</sub>	ghisa grigia, lega ghisa grigia	≤ 200 HB	GG10, GG15	70-100	70-115	0,04-0,08	0,09-0,23	0,14-0,27
		≤ 250 HB	GG20, GG25, GTW40	55-85	65-105	0,04-0,08	0,09-0,18	0,11-0,23
		> 250 HB	GG30, GG40, GTS70	45-70	55-90	0,04-0,07	0,09-0,18	0,11-0,23
K <sub>2</sub>	ghisa sferoidale, vermicolare ghisa malleabile	≤ 600 N/mm <sup>2</sup>	GGG40, GGG50		70-80	0,04-0,07	0,09-0,18	0,11-0,23
		> 600 N/mm <sup>2</sup>	GGG60, GGG70, GGV		60-70	0,03-0,06	0,07-0,14	0,09-0,18
N	alluminio (Si <10%)		GD-ALSi9Cu3, AlSi7Mg0,6					
	alluminio (Si >10%)		GD-ALSi12(Cu), AlSi17Cu4Mg (Alusil)					
	rame, ottone, bronzo	< 300 HB	AlSi17Cu4Mg/Alusil					
S	leghe titanio		TiAl6V4, Ti-6Al-2Sn-4Zr-2Mo					
	leghe base nickel		Inconel 600, Inconel 718					
H								

# Parametri di taglio

## KGT4DPA, KGT4DFA, KGT6DFA



			Velocità di taglio Vc [m/min]		Avanzamento consigliato in base ai diametri f [mm/giro]						
da 8 a 12 mm	da 12 a 16 mm	da 16 a 20 mm	KGT4DPA	KGT4DFA KGT6DFA	da 2 a 3 mm	da 3 a 5 mm	da 5 a 8 mm	da 8 a 12 mm	da 12 a 16 mm	da 16 a 20 mm	
0,16-0,27	0,18-0,32	0,23-0,36	75-90	85-105	0,05-0,08	0,09-0,16	0,16-0,27	0,16-0,27	0,18-0,32	0,23-0,36	P
0,16-0,27	0,18-0,32	0,23-0,36	70-80	75-95	0,05-0,08	0,09-0,16	0,16-0,27	0,16-0,27	0,18-0,32	0,23-0,36	
0,16-0,32	0,18-0,34	0,23-0,38	60-70	70-80	0,05-0,08	0,09-0,18	0,16-0,32	0,16-0,32	0,18-0,34	0,23-0,38	
0,16-0,32	0,18-0,34	0,23-0,38	50-70	55-75	0,04-0,07	0,09-0,18	0,16-0,32	0,16-0,32	0,18-0,34	0,23-0,38	
0,13-0,23	0,14-0,27	0,18-0,32	40-55	45-65	0,04-0,07	0,09-0,14	0,13-0,23	0,13-0,23	0,14-0,27	0,18-0,32	
0,13-0,23	0,14-0,27	0,18-0,32	30-45	35-55	0,04-0,06	0,09-0,14	0,13-0,23	0,13-0,23	0,14-0,27	0,18-0,32	M
0,10-0,20	0,10-0,20	0,15-0,25	35-55	45-65	0,03-0,05	0,04-0,10	0,06-0,12	0,06-0,12	0,12-0,20	0,15-0,25	
0,10-0,20	0,10-0,20	0,15-0,25	25-45	35-55	0,03-0,05	0,03-0,08	0,04-0,10	0,04-0,10	0,08-0,15	0,08-0,15	K <sub>1</sub>
0,23-0,36	0,23-0,41	0,27-0,45	65-100	70-115	0,05-0,09	0,09-0,23	0,23-0,36	0,23-0,36	0,23-0,41	0,27-0,45	
0,18-0,32	0,18-0,36	0,23-0,41	55-85	65-105	0,05-0,09	0,09-0,18	0,18-0,32	0,18-0,32	0,18-0,36	0,23-0,41	
0,18-0,27	0,18-0,36	0,23-0,41	45-70	55-90	0,05-0,08	0,09-0,18	0,18-0,27	0,18-0,27	0,18-0,36	0,23-0,41	K <sub>2</sub>
0,23-0,36	0,27-0,36	0,32-0,45	60-75	70-80	0,05-0,08	0,09-0,18	0,23-0,36	0,23-0,36	0,27-0,36	0,32-0,45	
0,16-0,27	0,18-0,32	0,27-0,36	50-65	60-70	0,04-0,07	0,07-0,14	0,16-0,27	0,16-0,27	0,18-0,32	0,27-0,36	N
			100-325	100-325	0,05-0,11	0,09-0,23	0,23-0,41	0,23-0,41	0,27-0,45	0,32-0,5	
			110-430	110-430	0,05-0,14	0,09-0,23	0,23-0,41	0,23-0,41	0,27-0,45	0,32-0,5	
				110-430	0,05-0,14	0,09-0,23	0,23-0,41	0,23-0,41	0,27-0,45	0,32-0,5	S
				20-50	0,03-0,05	0,02-0,07	0,04-0,10	0,04-0,10	0,08-0,15	0,08-0,18	
				20-50	0,03-0,05	0,02-0,07	0,04-0,10	0,04-0,10	0,08-0,15	0,08-0,15	H

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