



i-DREAM DRILL INSERTS & HOLDERS

- i-DREAM DRILL EINSÄTZE UND HALTER
- 🇫🇷 PLAQUETTES ET PORTE-PLAQUETTE i-DREAM DRILL - USAGE GÉNÉRAL / INOX
- 🇮🇹 INSERTI & PORTAINSERTI i-DREAM DRILL

- Features of *i-Dream Drill* Inserts-**
Merkmale des i-Dream Drill Einsätze

 - ▶ Secure and accurate seating resulting in accurate repeatability and concentricity.
Der sichere und genaue Sitz der Platte garantiert genaue Wiederholbarkeit beim Einsatz und beim Rundlauf.
 - i-Dream Drill General / i-Dream Drill allgemeinen*
 - ▶ For most steels materials / In den meisten Stahlsorten
 - i-Dream Drill INOX / i-Dream Drill INOX*
 - ▶ For tough, ductile materials and stainless steels
Für zähe, verformbare Werkstoffe und rostfreie Stähle.
 - ▶ Light, sharp cutting edge / Scharfe Schneidkante
 - ▶ Soft cutting action / Weicher Schnitt
 - ▶ Minimize cutting forces / Minimaler Schneidedruck
 - ▶ Reduce built-up edge / Reduzierte Gratbildung
- Features of *i-Dream Drill* Holders-**
Merkmale des i-Dresm Drill Halters-

 - ▶ Special Alloy Steels maintain its hardness and toughness under high temperatures.
Speziell legierter Stahl, der seine Härte und Zähigkeit auch bei hohen Temperaturen behält.
 - ▶ Innovative surface treatment improves wear resistance and reduces corrosion.
Innovative Oberflächenbehandlung, die die Verschleissfestigkeit erhöht und die Korrosion vermindert.
 - ▶ High Performance flute design allows maximum chip evacuation and minimum interference.
Optimierte Nutenform für maximale Spanabfuhr.



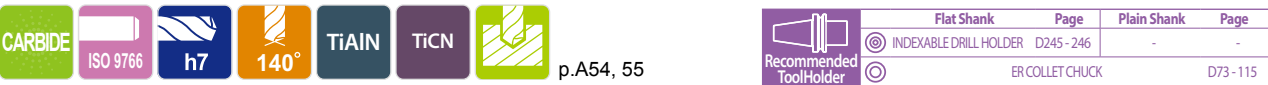


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Unit : mm														
Series Range	Insert EDP No.		Insert O.D.			Holder EDP No.	Shank Dia.	Shank Length	Flange Dia.	Drilling Depth		Overall Length	Screw No.	
(mm)	General (TiAlN)	INOX (TiCN)	dec.	frac.	mm		SD	L2	FD	L1	L3 Ref.			
G Ø24.00 to Ø25.99	YG1A2400	YG2C2400	.9449	-	24.00	ZH24003032	32	60	37	3D	72	164.8	TX2425T20	
	YG1A2421	YG2C2421	.9531	61/64	24.21	ZH24005032				5D	120	212.8		
						ZH24007032				7D	168	260.8		
	YG1A2450	YG2C2450	.9646	-	24.50	ZH24503032	32	60	37	3D	73.5	165.8		TX2526T20
	YG1A2461	YG2C2461	.9688	31/32	24.61	ZH24505032				5D	122.5	214.8		
	YG1A2470	YG2C2470	.9724	-	24.70	ZH24507032				7D	171.5	263.8		
	YG1A2500	YG2C2500	.9843	63/64	25.00	ZH25003032	32	60	37	3D	75	167.8	TX2526T20	
	YG1A2540	YG2C2540	1.0000	1	25.40	ZH25005032				5D	125	217.8		
						ZH25007032				7D	175	267.8		
	YG1A2550	YG2C2550	1.0039	-	25.50	ZH25503032	32	60	37	3D	76.5	170.8		TX2526T20
	YG1A2567	YG2C2567	1.0106	-	25.67	ZH25505032				5D	127.5	221.8		
	YG1A2570	YG2C2570	1.0118	-	25.70	ZH25507032				7D	178.5	272.8		
YG1A2580	YG2C2580	1.0156	1-1/64	25.80										

- Other diameters of insert and shank types of holder are available upon request.

◎ : Excellent ○ : Good																			
ISO	P										M					K			
Material Description	Non-alloy steel					Low alloy steel					Stainless steel					Grey cast iron		Nodular cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
HRc	13	25	28	32	30	10	29	32	38	15	23	15	23	10	26	3	25	21	21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130
YG1A	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
YG2C	○	○	○	○	○	○	○	○	○	○	○	◎	◎	◎	○	○	○	○	○
ISO	N										S					H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed		Copper and Copper Alloys (Bronze / Brass)		Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel	Chilled Cast Iron	Hardened Cast Iron	
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
HRc											15	30	25	38	34			55	60
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630
YG1A																			
YG2C	○	○	○	○	○	○	○	○											

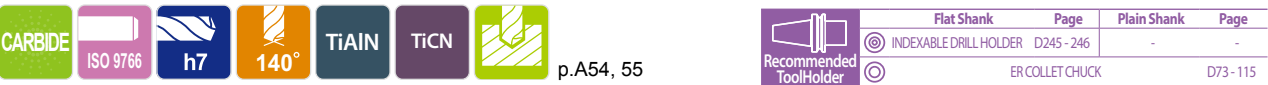


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Unit : mm													
Series Range	Insert EDP No.		Insert O.D.			Holder EDP No.	Shank Dia.	Shank Length	Flange Dia.	Drilling Depth		Overall Length	Screw No.
(mm)	General (TiAlN)	INOX (TiCN)	dec.	frac.	mm		SD	L2	FD	L1	L3 Ref.		
H Ø26.00 to Ø27.99	YH1A2600	YH2C2600	1.0236	-	26.00	ZH26003032	32	60	37	3D	78	171.2	TX2627T25
	YH1A2619	YH2C2619	1.0312	1-1/32	26.19	ZH26005032				5D	130	223.2	
						ZH26007032				7D	182	275.2	
	YH1A2650	YH2C2650	1.0433		26.50	ZH26503032	32	60	37	3D	79.5	172.2	
	YH1A2659	YH2C2659	1.0469	1-3/64	26.59	ZH26505032				5D	132.5	225.2	
	YH1A2699	YH2C2699	1.0625	1-1/16	26.99	ZH26507032				7D	185.5	278.2	
	YH1A2700	YH2C2700	1.0630	-	27.00	ZH27003032	32	60	37	3D	81	174.2	TX2728T25
						ZH27005032				5D	135	228.2	
						ZH27007032				7D	189	282.2	
	YH1A2750	YH2C2750	1.0827	-	27.50	ZH27503032	32	60	37	3D	82.5	175.2	
						ZH27505032				5D	137.5	230.2	
	YH1A2778	YH2C2778	1.0938	1-3/32	27.78	ZH27507032				7D	192.5	285.2	

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ISO	P										M					K			
Material Description	Non-alloy steel					Low alloy steel					Stainless steel					Grey cast iron		Nodular cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
HRc	13	25	28	32	30	10	29	32	38	15	23	15	23	10	26	3	25	21	21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130
YH1A	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
YH2C	○	○	○	○	○	○	○	○	○	○	◎	◎	◎	◎	○	○	○	○	○
ISO	N										S					H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed		Copper and Copper Alloys (Bronze / Brass)		Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel	Chilled Cast Iron	Hardened Cast Iron	
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
HRc											15	30	25	38	34			55	60
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630
YH1A																			
YH2C	○	○	○	○	○	○	○	○											



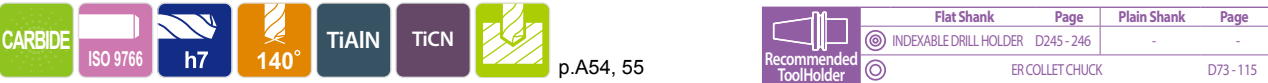
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Series Range	Insert EDP No.		Insert O.D.			Holder EDP No.	Shank Dia.	Shank Length	Flange Dia.	Drilling Depth		Overall Length	Screw No.
	General (TiAlN)	INOX (TiCN)	h7				SD	L2	FD	L1		L3 Ref.	
			dec.	frac.	mm								
I Ø28.00 to Ø29.99	YI1A2800	YI2C2800	1.1024	-	28.00	ZH28003032	32	60	37	3D	84	178.2	TX2829T25
	YI1A2818	YI2C2818	1.1094	1-7/64	28.18	ZH28005032				5D	140	234.2	
						ZH28007032				7D	196	290.2	
	YI1A2850	YI2C2850	1.1220	-	28.50	ZH28503032	32	60	37	3D	85.5	179.2	
	YI1A2858	YI2C2858	1.1250	1-1/8	28.58	ZH28505032				5D	142.5	236.2	
						ZH28507032				7D	199.5	293.2	
	YI1A2900	YI2C2900	1.1417	-	29.00	ZH29003032	32	60	37	3D	87	182.2	TX2930T25
	YI1A2937	YI2C2937	1.1562	1-5/32	29.37	ZH29005032				5D	145	240.2	
						ZH29007032				7D	203	298.2	
	YI1A2950	YI2C2950	1.1614	-	29.50	ZH29503032	32	60	37	3D	88.5	183.2	
	YI1A2977	YI2C2977	1.1719	1-11/64	29.77	ZH29505032				5D	147.5	242.2	
						ZH29507032				7D	206.5	301.2	

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ISO	P										M				K						
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron		
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21	
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230	
Y1A	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎				◎	◎	◎	◎	◎	◎	
Y1C	○	○	○	○		○	○					◎	◎	◎							
ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast iron	Hardened Cast iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Y1A																					
Y1C	○	○	○	○	○	○	○	○													



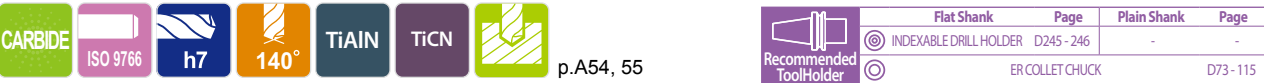
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	(mm)	General (TiAlN)	INOX (TiCN)	h7			SD	L2	FD	L1	L3 Ref.		
				dec.	frac.							mm	
J Ø30.00 to Ø31.99	YJ1A3000	YJ2C3000	1.1811		30.00	ZH30003032				3D	90	186.0	TX3031T25
	YJ1A3016	YJ2C3016	1.1875	1-3/16	30.16	ZH30005032	32	60	37	5D	150	246.0	
						ZH30007032				7D	210	306.0	
	YJ1A3050	YJ2C3050	1.2008		30.50	ZH30503032				3D	91.5	187.0	
	YJ1A3056	YJ2C3056	1.2031	1-13/64	30.56	ZH30505032	32	60	37	5D	152.5	248.0	
	YJ1A3096	YJ2C3096	1.2188	1-7/32	30.96	ZH30507032				7D	213.5	309.0	
	YJ1A3100	YJ2C3100	1.2205		31.00	ZH31003032	32	60	37	3D	93	188.0	TX3132T25
						ZH31005032				5D	155	250.0	
						ZH31007032				7D	217	312.0	
	YJ1A3150	YJ2C3150	1.2402		31.50	ZH31503032				3D	94.5	191.0	
	YJ1A3175	YJ2C3175	1.2500	1-1/4	31.75	ZH31505032	32	60	37	5D	157.5	254.0	
						ZH31507032				7D	220.5	317.0	

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HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21			
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230			
YJ1A	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎				◎	◎	◎	◎	◎	◎			
YJ2C	○	○	○	○		○	○			○		◎	◎	◎									
ISO	N										S						H						
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HRc											15	30	25	38	34			55	60	42	55		
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550		
YJ1A																							
YJ2C	○	○	○	○	○	○	○	○															