



• Lanzamiento de la gama desde  $\varnothing 12$  a  $\varnothing 20.90$  con aumento de 0.1mm

• 2 longitudes diferentes disponibles: 3xD y 5xD

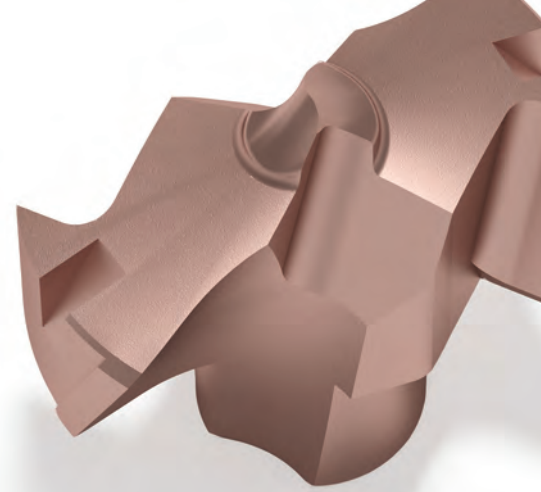
• Cabezales combinables con geometría de uso general (GP) para aplicaciones ISO **P** e ISO **K** o con entrada reforzada (TE) para mayor rendimiento en producciones de serie sobre ISO **K**

• Con solo 9 brocas se cubre toda la gama: reducción del 25% de costes de inventario comparado con las alternativas presentes en mercado!

# DEXDRILL

Sistema de taladrado de alto rendimiento con cabezales intercambiables

**nikko**TOOLS



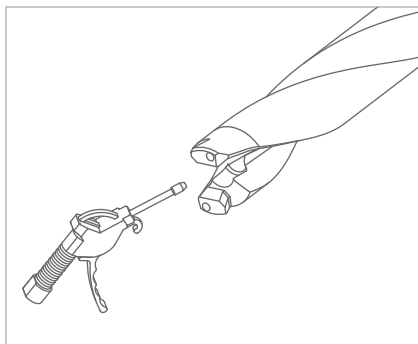
# DEXDRILL

Sistema de taladrado de alto rendimiento con cabezales intercambiables

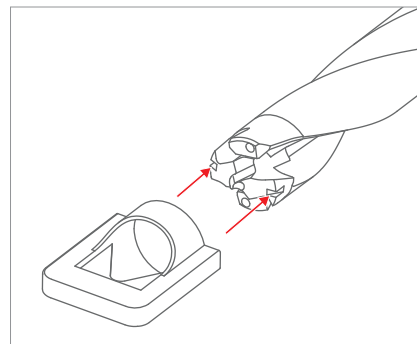
## 1. Dónde se puede usar la DexDrill?

SUPERFICIE PLANA	SUPERFICIE CONCAVA	PLANCHAS SOBREPUESTAS	TUBULAR	SUPERFICIE INCLINADA	AGUJERO INICIADO	EXPANSIÓN AGUJERO

## 2. Montaje cabezales

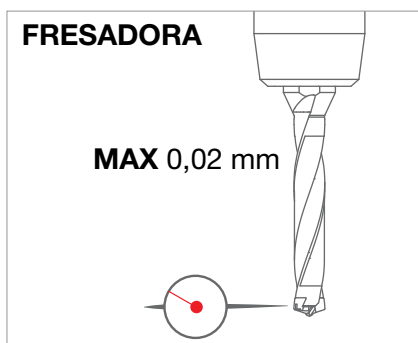


Lavaje de la base con aire comprimido.  
Poner la placa cabezal en la broca.

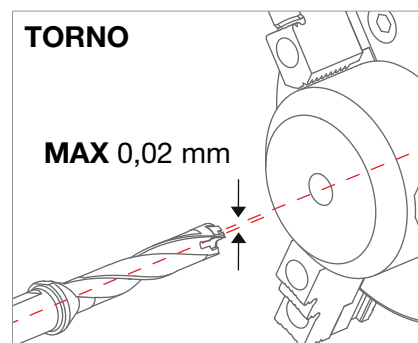


Colocar la llave en las ranuras de los bordes de las plaquitas.  
Girar lentamente la llave en sentido horario hasta detenerse.

## 3. Recomendaciones operativas



La desviación del control del árbol debe ser inferior a 0,02mm.



Mantener bajo los 0,02mm la desviación máxima entre la broca y la pieza.

<h1>DEX</h1>	Cabezal con auto bloqueo										ISO513 JP5625 JP7625	HC-PVD																		
	Tolerancia DC	SIG										P	40 160																	
	k6	140°										M																		
											K	80 180	100 200																	
											N																			
											S																			
											H																			
AREA APLICACIÓN DE GRADOS	Mecanizado estable																													
aplicación principal	Mecanizado medio																													
aplicable	Mecanizado inestable																													
											- Dureza +																			
											+ Tenacidad -																			

<b>GENERAL</b>  	<b>GP</b> <b>P</b> <b>K</b>	DC 12.00	DEX1200-GP	PL 2.18	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.10	DEX1210-GP	PL 2.20	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.20	DEX1220-GP	PL 2.22	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.30	DEX1230-GP	PL 2.24	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.40	DEX1240-GP	PL 2.26	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.50	DEX1250-GP	PL 2.27	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.60	DEX1260-GP	PL 2.29	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.70	DEX1270-GP	PL 2.31	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.80	DEX1280-GP	PL 2.33	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 12.90	DEX1290-GP	PL 2.35	f <sub>n</sub> ▶	0.12	<b>0.18</b>	0.26	●																					
		DC 13.00	DEX1300-GP	PL 2.37	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.10	DEX1310-GP	PL 2.38	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.20	DEX1320-GP	PL 2.40	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.30	DEX1330-GP	PL 2.42	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.40	DEX1340-GP	PL 2.44	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.50	DEX1350-GP	PL 2.46	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.60	DEX1360-GP	PL 2.47	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.70	DEX1370-GP	PL 2.49	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.80	DEX1380-GP	PL 2.51	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 13.90	DEX1390-GP	PL 2.53	f <sub>n</sub> ▶	0.14	<b>0.20</b>	0.28	●																					
		DC 14.00	DEX1400-GP	PL 2.55	f <sub>n</sub> ▶	0.16	<b>0.22</b>	0.30	●																					
		DC 14.10	DEX1410-GP	PL 2.57	f <sub>n</sub> ▶	0.16	<b>0.22</b>	0.30	●																					
		DC 14.20	DEX1420-GP	PL 2.58	f <sub>n</sub> ▶	0.16	<b>0.22</b>	0.30	●																					
		DC 14.30	DEX1430-GP	PL 2.60	f <sub>n</sub> ▶	0.16	<b>0.22</b>	0.30	●																					
		DC 14.40	DEX1440-GP	PL 2.62	f <sub>n</sub> ▶	0.16	<b>0.22</b>	0.30	●																					
		DC 14.50	DEX1450-GP	PL 2.64	f <sub>n</sub> ▶	0.16	<b>0.22</b>	0.30	●																					
		DC 14.60	DEX1460-GP	PL 2.66	f <sub>n</sub> ▶	0.16	<b>0.22</b>	0.30	●																					
		DC 14.70	DEX1470-GP	PL 2.68	f <sub>n</sub> ▶	0.16	<b>0.22</b>	0.30	●																					

▲ próxima introducción

<b>DEX</b>		Cabezal con auto bloqueo				ISO513	HC-PVD															
							JP5625	JP7625														
	Tolerancia DC	SIG			<b>P</b>	40																
	k6	140°			<b>M</b>	160																
					<b>K</b>	80 180	100 200															
					<b>N</b>																	
					<b>S</b>																	
					<b>H</b>																	
AREA APLICACIÓN DE GRADOS		Mecanizado estable			Dureza + - Tenacidad + -																	
	aplicación principal			Mecanizado medio																		
	aplicable			Mecanizado inestable																		
<b>GENERAL</b>	<b>GP</b>	<b>DC 14.80</b>	<b>DEX1480-GP</b>	PL 2.69 $f_n \blacktriangleright$	0.16	<b>0.22</b>	0.30	●														
		<b>DC 14.90</b>	<b>DEX1490-GP</b>	PL 2.71 $f_n \blacktriangleright$	0.16	<b>0.22</b>	0.30	●														
		<b>DC 15.00</b>	<b>DEX1500-GP</b>	PL 2.73 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.10</b>	<b>DEX1510-GP</b>	PL 2.75 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.20</b>	<b>DEX1520-GP</b>	PL 2.77 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.30</b>	<b>DEX1530-GP</b>	PL 2.78 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.40</b>	<b>DEX1540-GP</b>	PL 2.80 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.50</b>	<b>DEX1550-GP</b>	PL 2.82 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.60</b>	<b>DEX1560-GP</b>	PL 2.84 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.70</b>	<b>DEX1570-GP</b>	PL 2.86 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.80</b>	<b>DEX1580-GP</b>	PL 2.88 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 15.90</b>	<b>DEX1590-GP</b>	PL 2.89 $f_n \blacktriangleright$	0.18	<b>0.25</b>	0.32	●														
		<b>DC 16.00</b>	<b>DEX1600-GP</b>	PL 2.91 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.10</b>	<b>DEX1610-GP</b>	PL 2.93 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.20</b>	<b>DEX1620-GP</b>	PL 2.95 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.30</b>	<b>DEX1630-GP</b>	PL 2.97 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.40</b>	<b>DEX1640-GP</b>	PL 2.98 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.50</b>	<b>DEX1650-GP</b>	PL 3.00 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.60</b>	<b>DEX1660-GP</b>	PL 3.02 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.70</b>	<b>DEX1670-GP</b>	PL 3.04 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.80</b>	<b>DEX1680-GP</b>	PL 3.06 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 16.90</b>	<b>DEX1690-GP</b>	PL 3.08 $f_n \blacktriangleright$	0.20	<b>0.26</b>	0.34	●														
		<b>DC 17.00</b>	<b>DEX1700-GP</b>	PL 3.09 $f_n \blacktriangleright$	0.20	<b>0.28</b>	0.36	●														
		<b>DC 17.10</b>	<b>DEX1710-GP</b>	PL 3.11 $f_n \blacktriangleright$	0.20	<b>0.28</b>	0.36	●														
		<b>DC 17.20</b>	<b>DEX1720-GP</b>	PL 3.13 $f_n \blacktriangleright$	0.20	<b>0.28</b>	0.36	●														
		<b>DC 17.30</b>	<b>DEX1730-GP</b>	PL 3.15 $f_n \blacktriangleright$	0.20	<b>0.28</b>	0.36	●														
		<b>DC 17.40</b>	<b>DEX1740-GP</b>	PL 3.17 $f_n \blacktriangleright$	0.20	<b>0.28</b>	0.36	●														
	<b>DC 17.50</b>	<b>DEX1750-GP</b>	PL 3.18 $f_n \blacktriangleright$	0.20	<b>0.28</b>	0.36	●															

▲ próxima introducción

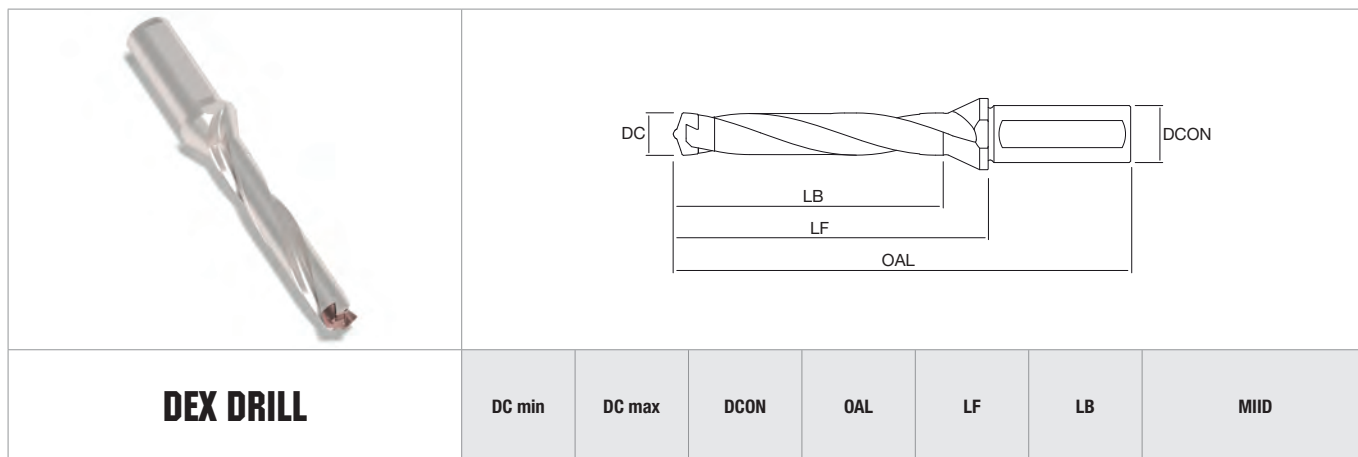
DEX	Cabezal con auto bloqueo						ISO513		HC-PVD															
	Tolerancia DC	SIG					P	M	K	N	S	H	JP5625	JP7625										
	k6	140°					40																	
							160																	
							80	100																
							180	200																
AREA APLICACIÓN DE GRADOS	Mecanizado estable				Dureza + Tenacidad -																			
<span style="color: orange;">■</span> aplicación principal	Mecanizado medio																							
<span style="color: orange;">■</span> aplicable	Mecanizado inestable																							
<b>GENERAL</b> 	<b>GP</b> <b>P</b> <b>K</b>	DC 17.60	DEX1760-GP	PL 3.20	$f_n \triangleright$	0.20	<b>0.28</b>	0.36	●															
		DC 17.70	DEX1770-GP	PL 3.22	$f_n \triangleright$	0.20	<b>0.28</b>	0.36	●															
		DC 17.80	DEX1780-GP	PL 3.24	$f_n \triangleright$	0.20	<b>0.28</b>	0.36	●															
		DC 17.90	DEX1790-GP	PL 3.26	$f_n \triangleright$	0.20	<b>0.28</b>	0.36	●															
		DC 18.00	DEX1800-GP	PL 3.28	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.10	DEX1810-GP	PL 3.29	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.20	DEX1820-GP	PL 3.31	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.30	DEX1830-GP	PL 3.33	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.40	DEX1840-GP	PL 3.35	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.50	DEX1850-GP	PL 3.37	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.60	DEX1860-GP	PL 3.38	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.70	DEX1870-GP	PL 3.40	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.80	DEX1880-GP	PL 3.42	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 18.90	DEX1890-GP	PL 3.44	$f_n \triangleright$	0.22	<b>0.30</b>	0.40	●															
		DC 19.00	DEX1900-GP	PL 3.46	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	●															
		DC 19.10	DEX1910-GP	PL 3.48	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	●															
		DC 19.20	DEX1920-GP	PL 3.49	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	●															
		DC 19.30	DEX1930-GP	PL 3.51	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	●															
		DC 19.40	DEX1940-GP	PL 3.53	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	●															
		DC 19.50	DEX1950-GP	PL 3.55	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	▲															
		DC 19.60	DEX1960-GP	PL 3.57	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	▲															
		DC 19.70	DEX1970-GP	PL 3.59	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	▲															
		DC 19.80	DEX1980-GP	PL 3.60	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	▲															
		DC 19.90	DEX1990-GP	PL 3.62	$f_n \triangleright$	0.24	<b>0.32</b>	0.42	▲															
		DC 20.00	DEX2000-GP	PL 3.64	$f_n \triangleright$	0.26	<b>0.35</b>	0.44	▲															
		DC 20.10	DEX2010-GP	PL 3.66	$f_n \triangleright$	0.26	<b>0.35</b>	0.44	▲															
		DC 20.20	DEX2020-GP	PL 3.68	$f_n \triangleright$	0.26	<b>0.35</b>	0.44	▲															
		DC 20.30	DEX2030-GP	PL 3.69	$f_n \triangleright$	0.26	<b>0.35</b>	0.44	▲															

▲ próxima introducción

DEX		Cabezal con auto bloqueo				ISO513	HC-PVD																				
							JP5625	JP7625																			
	Tolerancia DC	SIG				P	40 160																				
	k6	140°				M																					
						K	80 180	100 200																			
						N																					
						S																					
						H																					
AREA APLICACIÓN DE GRADOS		Mecanizado estable				Dureza + - Tenacidad + -																					
aplicación principal		Mecanizado medio																									
aplicable		Mecanizado inestable																									
GENERAL		GP P K	DC 20.40	DEX2040-GP	PL 3.71	$f_n \triangleright$	0.26	0.35	0.44	●																	
			DC 20.50	DEX2050-GP	PL 3.73	$f_n \triangleright$	0.26	0.35	0.44	●																	
			DC 20.60	DEX2060-GP	PL 3.75	$f_n \triangleright$	0.26	0.35	0.44	●																	
			DC 20.70	DEX2070-GP	PL 3.77	$f_n \triangleright$	0.26	0.35	0.44	●																	
			DC 20.80	DEX2080-GP	PL 3.79	$f_n \triangleright$	0.26	0.35	0.44	●																	
			DC 20.90	DEX2090-GP	PL 3.80	$f_n \triangleright$	0.26	0.35	0.44	●																	
REFORZADO		TE K	DC 12.00	DEX1200-TE	PL 2.18	$f_n \triangleright$	0.24	0.28	0.34	●																	
			DC 12.50	DEX1250-TE	PL 2.27	$f_n \triangleright$	0.24	0.28	0.34	●																	
			DC 13.00	DEX1300-TE	PL 2.37	$f_n \triangleright$	0.26	0.30	0.36	●																	
			DC 13.50	DEX1350-TE	PL 2.46	$f_n \triangleright$	0.26	0.30	0.36	●																	
			DC 14.00	DEX1400-TE	PL 2.55	$f_n \triangleright$	0.28	0.32	0.38	●																	
			DC 14.50	DEX1450-TE	PL 2.64	$f_n \triangleright$	0.28	0.32	0.38	●																	
			DC 15.00	DEX1500-TE	PL 2.73	$f_n \triangleright$	0.30	0.34	0.40	●																	
			DC 15.50	DEX1550-TE	PL 2.82	$f_n \triangleright$	0.30	0.34	0.40	●																	
			DC 16.00	DEX1600-TE	PL 2.91	$f_n \triangleright$	0.32	0.36	0.42	●																	
			DC 16.50	DEX1650-TE	PL 3.00	$f_n \triangleright$	0.32	0.36	0.42	●																	
			DC 17.00	DEX1700-TE	PL 3.09	$f_n \triangleright$	0.34	0.38	0.44	●																	
			DC 17.50	DEX1750-TE	PL 3.18	$f_n \triangleright$	0.34	0.38	0.44	●																	
			DC 18.00	DEX1800-TE	PL 3.28	$f_n \triangleright$	0.36	0.40	0.46	●																	
			DC 18.50	DEX1850-TE	PL 3.37	$f_n \triangleright$	0.36	0.40	0.46	●																	
			DC 19.00	DEX1900-TE	PL 3.46	$f_n \triangleright$	0.38	0.42	0.48	●																	
			DC 19.50	DEX1950-TE	PL 3.55	$f_n \triangleright$	0.38	0.42	0.48	●																	
			DC 20.00	DEX2000-TE	PL 3.64	$f_n \triangleright$	0.40	0.44	0.50	●																	
			DC 20.50	DEX2050-TE	PL 3.73	$f_n \triangleright$	0.40	0.44	0.50	●																	

▲ próxima introducción





		DC min	DC max	DCON	OAL	LF	LB	MIID		
3xD	NT-DEX-3D	D12-S16F	●	12.00	12.99	16	108	60	48	DEX1200 ÷ DEX1290
		D13-S16F	●	13.00	13.99	16	112	64	51	DEX1300 ÷ DEX1390
		D14-S16F	●	14.00	14.99	16	117	69	55	DEX1400 ÷ DEX1490
		D15-S20F	●	15.00	15.99	20	123	73	58	DEX1500 ÷ DEX1590
		D16-S20F	●	16.00	16.99	20	127	77	61	DEX1600 ÷ DEX1690
		D17-S20F	●	17.00	17.99	20	132	82	65	DEX1700 ÷ DEX1790
		D18-S25F	●	18.00	18.99	25	142	86	68	DEX1800 ÷ DEX1890
		D19-S25F	●	19.00	19.99	25	146	90	71	DEX1900 ÷ DEX1990
5xD	NT-DEX-5D	D20-S25F	●	20.00	20.99	25	150	94	74	DEX2000 ÷ DEX2090
		D12-S16F	●	12.00	12.99	16	134	86	74	DEX1200 ÷ DEX1290
		D13-S16F	●	13.00	13.99	16	140	92	79	DEX1300 ÷ DEX1390
		D14-S16F	●	14.00	14.99	16	147	99	85	DEX1400 ÷ DEX1490
		D15-S20F	●	15.00	15.99	20	155	105	90	DEX1500 ÷ DEX1590
		D16-S20F	●	16.00	16.99	20	161	111	95	DEX1600 ÷ DEX1690
		D17-S20F	●	17.00	17.99	20	168	118	101	DEX1700 ÷ DEX1790
		D18-S25F	●	18.00	18.99	25	180	124	106	DEX1800 ÷ DEX1890
D19-S25F	●	19.00	19.99	25	186	130	111	DEX1900 ÷ DEX1990		
D20-S25F	●	20.00	20.99	25	192	136	116	DEX2000 ÷ DEX2090		

▲ próxima introducción



DC ≤ 17	NT-WR1217
DC ≥ 18	NT-WR1820

**VELOCIDAD DE CORTE [m/min]**

	MATERIALES (DUREZA/Rm)	W.-Nr	DIN	AISI-ASTM	TRADE MARK	JP5625	JP7625
P1	Aceros de fácil mecanización y aceros de construcción (< 500 N/mm²)	1.0715	9 SMn 28	1213	AVP	100÷160	
		1.0765	36 SMnPb 14	A29	PR80		
P2	Aceros al carbono y aceros de baja aleación (500-700 N/mm²)	1.7147	20 MnCr 5	5120	-	80÷140	
		1.0511	C 40	1040	-		
P3	Aceros de media aleación y aceros bonificados (600-800 N/mm²)	1.1201	42 CrMo 4	4142, 4140	-	60÷100	
		1.6511	36 CrNiMo 4	9840	-		
P4	Aceros de alta aleación (800-1000 N/mm²)	1.1663	C 125 W	W1	-	50÷90	
		1.3505	100 Cr 6	52100	-		
P5	Aceros para herramientas (900-1200 N/mm²)	1.2080	X 210 Cr 12	D3	K100	40÷80	
		1.2379	X 155 CrVMo 12 1	-	K110		
K1	Fundición gris (150-250 HB)	0.6020	GG-20	A48 30 B	-	80÷180	100÷200
		0.6025	GG-25	A48 35 B	-		
K2	Fundición nodular (150-350 HB)	0.7050	GGG-50	A536 80-55-6	-	80÷140	100÷160
		0.7070	GGG-70	A536 100-70-03	-		

[www.nikkotools.com](http://www.nikkotools.com)



Via Don F. Tosatto, 8  
30174 Mestre - Venezia  
+39 041.959179  
[info@nikkotools.com](mailto:info@nikkotools.com)

