

MITSUBISHI

MITSUBISHI CARBIDE

Punta ad inserti

B0601

TAW

Una nuova punta ad inserti dalle prestazioni stabili

Nuovo sistema di
fissaggio con foro
passante aggiunge
affidabilità

Novità



Inserto tipo H

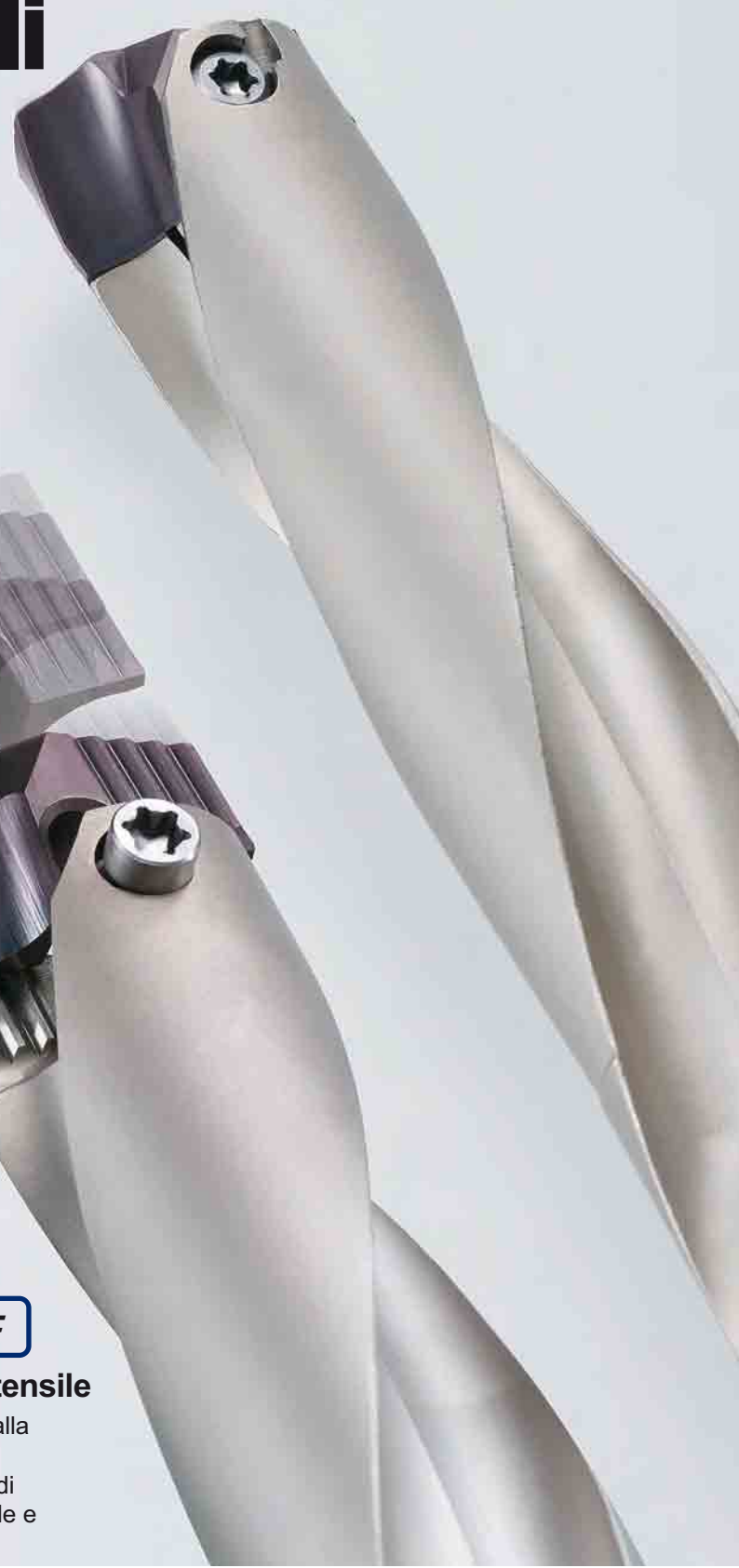


Inserto tipo U

Rivestimento Miracle VP15TF

Alta rigidità per una maggiore durata dell'utensile

Il rivestimento MIRACLE è ideale per la foratura grazie alla sua elevata resistenza alla formazione del tagliente di riporto. Adatto per la lavorazione di una vasta gamma di materiali, dall'acciaio dolce e legato all'acciaio inossidabile e alla ghisa.



Punta ad inserti

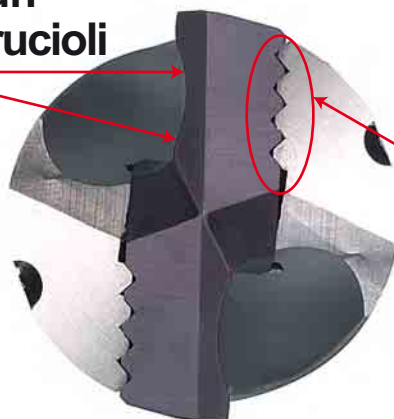
Punta TAW

Caratteristiche

Punta progettata per garantire taglienza e precisione.

Tagliente ondulato per un eccellente controllo dei trucioli

Grazie alla geometria ondulata del tagliente è possibile garantire un'eccellente taglienza ed un'ottima robustezza dell'inserto.



Forma del tagliente

Bloccaggio dell'inserto molto preciso.

La struttura dentellata sviluppata da Mitsubishi consente di mantenere un'elevata precisione di bloccaggio.

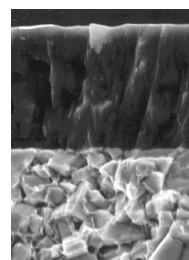
Sistema di bloccaggio straordinariamente sicuro

- Nuovo sistema di fissaggio con foro passante aggiunge affidabilità

Inserto tipo U	Inserto tipo H
	
Facile utilizzo	Sistema di bloccaggio straordinariamente sicuro

Lunga vita dell'utensile grazie al grado

- Il **VP15TF** con rivestimento **MIRACLE** porta ai massimi livelli la durata dell'utensile.



Rivestimento **MIRACLE**[®] (Al, Ti)N
Struttura micrograno metallo duro TF15

VP15TF

Caratteristiche di VP15TF

Il grado VP15TF con rivestimento MIRACLE è ideale per la foratura grazie alla sua elevata resistenza all'incollamento del truciolo. Adatto per la lavorazione di una vasta gamma di materiali, dall'acciaio dolce e legato all'acciaio inossidabile e alla ghisa.

Facile utilizzo (Inserto tipo U)

- Gli inserti possono essere sostituiti facilmente allentando una sola vite di bloccaggio.



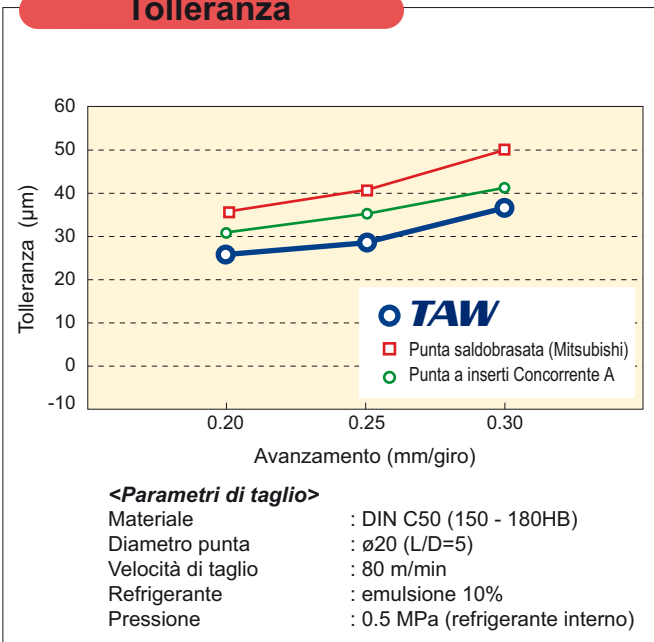
Corpo a elevata durata

- Lo speciale trattamento superficiale sul corpo in acciaio legato, altamente resistente al calore, aumenta la resistenza alla corrosione e all'abrasione.

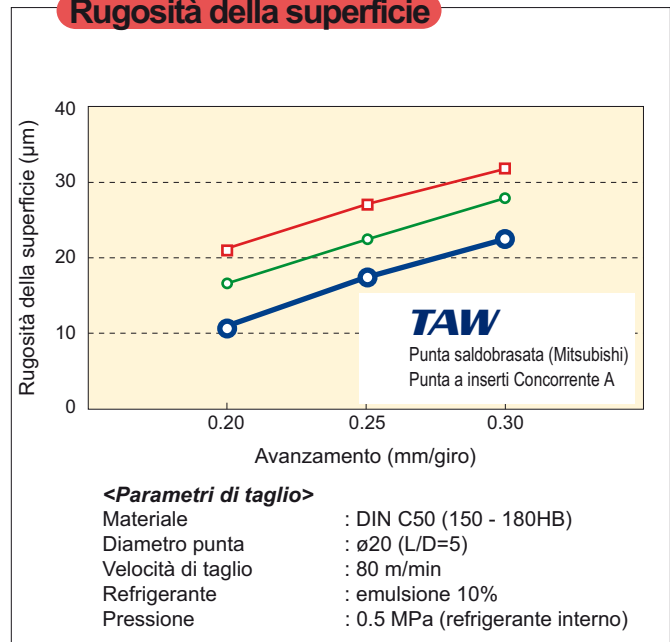


Prestazioni di taglio

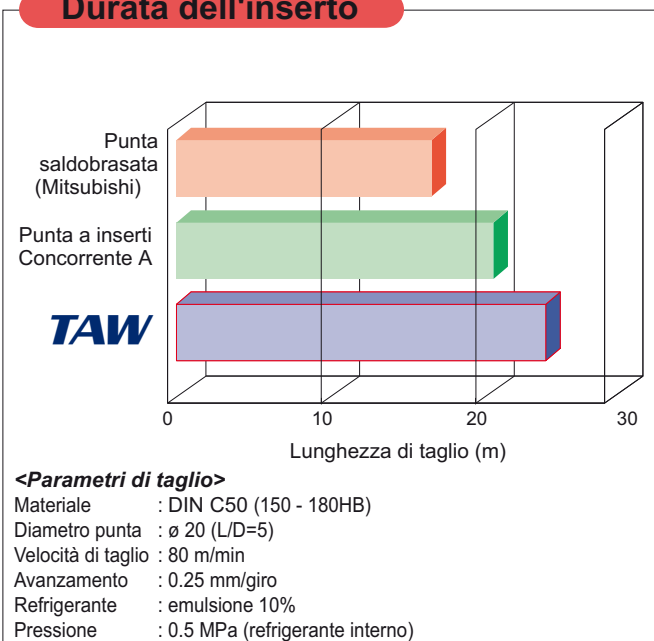
Tolleranza



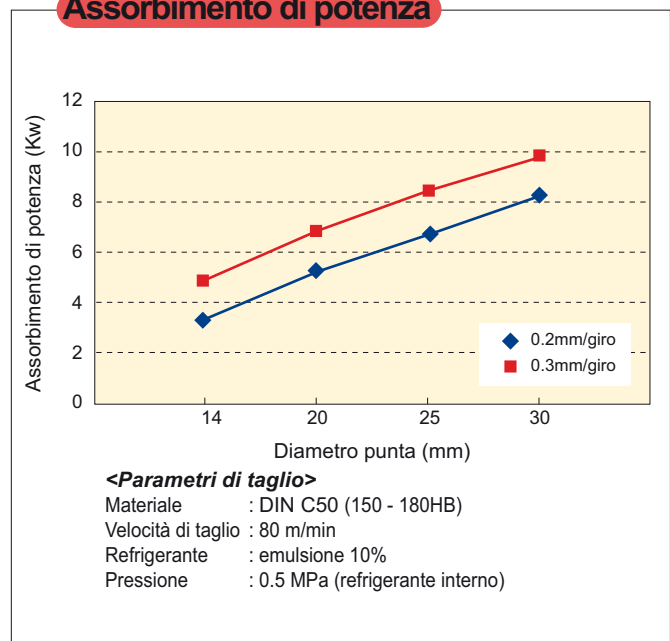
Rugosità della superficie



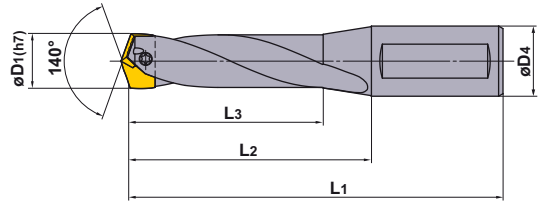
Durata dell'inserto



Assorbimento di potenza



(Impiego generico)



Gamma di diam. punte D1 (mm)	Prof. foro (l/d)	Utensile		Inserto		Dimensioni (mm)				Vite blocc.	Chiave	Piastrina	Lubrificante anti-blocco		
		Codice di ordinazione	Disponibilità	Diam. punta. D1 (mm)	Codice di ordinazione	Disponibilità	L3	L2	L1					D4	
						VP15TF	VP10H								
14.0 14.4	3	Novita TAWSNH1400S16	●	14.0	TAWNH1400T	●	□	51	67	115	16	WS254012T	TKY08D	WPT4405	MK1KS
				14.1	TAWNH1410T	●	□								
	5	Novita TAWMNH1400S16	●	14.2	TAWNH1420T	●	□	80	97	145	16	WS254012T	TKY08D	WPT4405	MK1KS
				14.3	TAWNH1430T	●	□								
14.5 15.4	3	Novita TAWSNH1500S20	●	14.4	TAWNH1440T	●	□	54	75	125	20	WS254013T	TKY08D	WPT4405	MK1KS
				14.5	TAWNH1450T	●	□								
				14.6	TAWNH1460T	●	□								
				14.7	TAWNH1470T	●	□								
	5	Novita TAWMNH1500S20	●	14.8	TAWNH1480T	●	□	85	105	155	20	WS254013T	TKY08D	WPT4405	MK1KS
				14.9	TAWNH1490T	●	□								
				15.0	TAWNH1490T	●	□								
				15.1	TAWNH1510T	●	□								
15.5 16.4	3	TAWSN1600S20	●	15.2	TAWNH1520T	●	□	58	80	130	20	WS254014T	TKY08D	WPT4405	MK1KS
				15.3	TAWNH1530T	●	□								
				15.4	TAWNH1540T	●	□								
				15.5	TAWN1550T	★	□								
				15.6	TAWN1550T	●	□								
				15.6	TAWN1560T	★	□								
	5	TAWMN1600S20	●	15.7	TAWN1560T	●	□	91	115	165	20	WS254014T	TKY08D	WPT4405	MK1KS
				15.7	TAWN1570T	★	□								
				15.7	TAWN1570T	●	□								
				15.8	TAWN1580T	★	□								
				15.8	TAWN1580T	●	□								
				15.9	TAWN1590T	★	□								
15.9	TAWN1590T	●	□												
16.0	TAWN1600T	★	□	91	115	165	20	WS254014T	TKY08D	WPT4405	MK1KS				
16.0	TAWN1600T	●	□												
16.1	TAWN1610T	★	□												
16.1	TAWN1610T	●	□												
16.2	TAWN1620T	★	□												
16.2	TAWN1620T	●	□												
16.3	TAWN1630T	★	□	91	115	165	20	WS254014T	TKY08D	WPT4405	MK1KS				
16.3	TAWN1630T	●	□												
16.4	TAWN1640T	★	□	91	115	165	20	WS254014T	TKY08D	WPT4405	MK1KS				
16.4	TAWN1640T	●	□												

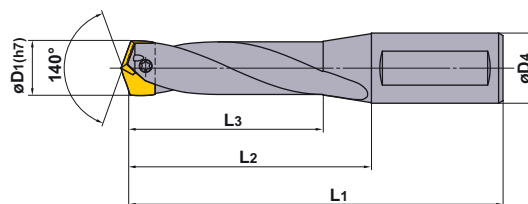
(Nota) 1. Dimensioni L1, L2, L3 = Inserto tipo H

2. Nota) Contattateci per geometrie non presenti a catalogo.

(per esempio, è possibile produrre su ordinazione lunghezze e diametri diversi e punte con taglienti smussati).

Gamma di diam. punte D1 (mm)	Prof. foro (l/d)	Utensile		Inserto				Dimensioni (mm)				Vite blocc.	Chiave	Piastrina	Lubrificante anti-blocco
		Codice di ordinazione	Disponibilità	Diam. punta D1 (mm)	Codice di ordinazione	Disponibilità		L3	L2	L1	D4				
						VP15TF	VP10H								
16.5 17.4	3	TAWSN1700S20	●	16.5	TAWN1650T	★	<input type="checkbox"/>	61	85	135	20	WS254015T	①TKY08D	WPT4405	MK1KS
					TAWNH1650T	●	<input type="checkbox"/>								
				16.6	TAWN1660T	★	<input type="checkbox"/>								
					TAWNH1660T	●	<input type="checkbox"/>								
				16.7	TAWN1670T	★	<input type="checkbox"/>								
					TAWNH1670T	●	<input type="checkbox"/>								
				16.8	TAWN1680T	★	<input type="checkbox"/>								
		TAWNH1680T	●	<input type="checkbox"/>											
		16.9	TAWN1690T	★	<input type="checkbox"/>	96	120	170	20	WS254015T	①TKY08D	WPT4405	MK1KS		
			TAWNH1690T	●	<input type="checkbox"/>										
		17.0	TAWN1700T	★	<input type="checkbox"/>										
			TAWNH1700T	●	<input type="checkbox"/>										
		17.1	TAWN1710T	★	<input type="checkbox"/>										
			TAWNH1710T	●	<input type="checkbox"/>										
	17.2	TAWN1720T	★	<input type="checkbox"/>											
		TAWNH1720T	●	<input type="checkbox"/>											
	17.3	TAWN1730T	★	<input type="checkbox"/>	102	125	175	20	WS254016T	①TKY08D	WPT4405	MK1KS			
		TAWNH1730T	●	<input type="checkbox"/>											
	17.4	TAWN1740T	★	<input type="checkbox"/>											
		TAWNH1740T	●	<input type="checkbox"/>											
	17.5	TAWN1750T	★	<input type="checkbox"/>											
		TAWNH1750T	●	<input type="checkbox"/>											
	17.6	TAWN1760T	★	<input type="checkbox"/>											
		TAWNH1760T	●	<input type="checkbox"/>											
	17.7	TAWN1770T	★	<input type="checkbox"/>	65	90	140	20	WS254016T	①TKY08D	WPT4405	MK1KS			
		TAWNH1770T	●	<input type="checkbox"/>											
	17.8	TAWN1780T	★	<input type="checkbox"/>											
		TAWNH1780T	●	<input type="checkbox"/>											
	17.9	TAWN1790T	★	<input type="checkbox"/>											
		TAWNH1790T	●	<input type="checkbox"/>											
	18.0	TAWN1800T	★	<input type="checkbox"/>											
		TAWNH1800T	●	<input type="checkbox"/>											
	18.1	TAWN1810T	★	<input type="checkbox"/>	107	134	190	25	WS304517T	②TKY10T	WPT4405	MK1KS			
		TAWNH1810T	●	<input type="checkbox"/>											
	18.2	TAWN1820T	★	<input type="checkbox"/>											
		TAWNH1820T	●	<input type="checkbox"/>											
	18.3	TAWN1830T	★	<input type="checkbox"/>											
		TAWNH1830T	●	<input type="checkbox"/>											
	18.4	TAWN1840T	★	<input type="checkbox"/>											
		TAWNH1840T	●	<input type="checkbox"/>											
	18.5	TAWN1850T	★	<input type="checkbox"/>	68	99	155	25	WS304517T	②TKY10T	WPT4405	MK1KS			
		TAWNH1850T	●	<input type="checkbox"/>											
	18.6	TAWN1860T	★	<input type="checkbox"/>											
		TAWNH1860T	●	<input type="checkbox"/>											
	18.7	TAWN1870T	★	<input type="checkbox"/>											
		TAWNH1870T	●	<input type="checkbox"/>											
	18.8	TAWN1880T	★	<input type="checkbox"/>											
		TAWNH1880T	●	<input type="checkbox"/>											
	18.9	TAWN1890T	★	<input type="checkbox"/>	107	134	190	25	WS304517T	②TKY10T	WPT4405	MK1KS			
		TAWNH1890T	●	<input type="checkbox"/>											
	19.0	TAWN1900T	★	<input type="checkbox"/>											
		TAWNH1900T	●	<input type="checkbox"/>											
	19.1	TAWN1910T	★	<input type="checkbox"/>											
		TAWNH1910T	●	<input type="checkbox"/>											
	19.2	TAWN1920T	★	<input type="checkbox"/>											
		TAWNH1920T	●	<input type="checkbox"/>											
	19.3	TAWN1930T	★	<input type="checkbox"/>	107	134	190	25	WS304517T	②TKY10T	WPT4405	MK1KS			
		TAWNH1930T	●	<input type="checkbox"/>											
	19.4	TAWN1940T	★	<input type="checkbox"/>	107	134	190	25	WS304517T	②TKY10T	WPT4405	MK1KS			
		TAWNH1940T	●	<input type="checkbox"/>											

(Impiego generico)



Gamma di diam. punte D1 (mm)	Prof. foro (l/d)	Utensile		Inserto		Dimensioni (mm)				Vite blocc.	Chiave	Piastrina	Lubrificante anti-blocco			
		Codice di ordinazione	Disponibilità	Diam. punta. D1 (mm)	Codice di ordinazione	Disponibilità	L3	L2	L1					D4		
						VP15TF	VP10H									
19.5 20.4	3	TAWSN2000S25	●	19.5	TAWN1950T	★	<input type="checkbox"/>	72	99	155	25	WS304518T	TKY10T	WPT4405	MK1KS	
					TAWNH1950T	●	<input type="checkbox"/>									
					19.6	TAWN1960T	★									<input type="checkbox"/>
					TAWNH1960T	●	<input type="checkbox"/>									
					19.7	TAWN1970T	★									<input type="checkbox"/>
					TAWNH1970T	●	<input type="checkbox"/>									
	19.8	TAWN1980T	★	<input type="checkbox"/>												
	TAWNH1980T	●	<input type="checkbox"/>													
	19.9	TAWN1990T	★	<input type="checkbox"/>												
	TAWNH1990T	●	<input type="checkbox"/>													
	20.0	TAWN2000T	★	<input type="checkbox"/>												
	TAWNH2000T	●	<input type="checkbox"/>													
	20.1	TAWN2010T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2010T	<input type="checkbox"/>	<input type="checkbox"/>													
20.5 21.4	3	TAWSN2100S25	●	20.5	TAWN2050T	★	<input type="checkbox"/>	75	99	155	25	WS304518T	TKY10T	WPT4405	MK1KS	
					TAWNH2050T	●	<input type="checkbox"/>									
					20.6	TAWN2060T	<input type="checkbox"/>									<input type="checkbox"/>
					TAWNH2060T	<input type="checkbox"/>	<input type="checkbox"/>									
					20.7	TAWN2070T	<input type="checkbox"/>									<input type="checkbox"/>
					TAWNH2070T	<input type="checkbox"/>	<input type="checkbox"/>									
	20.8	TAWN2080T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2080T	<input type="checkbox"/>	<input type="checkbox"/>													
	20.9	TAWN2090T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2090T	<input type="checkbox"/>	<input type="checkbox"/>													
21.0	TAWN2100T	★	<input type="checkbox"/>													
TAWNH2100T	●	<input type="checkbox"/>														
21.1	TAWN2110T	<input type="checkbox"/>	<input type="checkbox"/>													
TAWNH2110T	<input type="checkbox"/>	<input type="checkbox"/>														
21.2	TAWN2120T	<input type="checkbox"/>	<input type="checkbox"/>													
TAWNH2120T	<input type="checkbox"/>	<input type="checkbox"/>														
21.3	TAWN2130T	<input type="checkbox"/>	<input type="checkbox"/>													
TAWNH2130T	<input type="checkbox"/>	<input type="checkbox"/>														
21.4	TAWN2140T	<input type="checkbox"/>	<input type="checkbox"/>													
TAWNH2140T	<input type="checkbox"/>	<input type="checkbox"/>														
21.5 22.4	3	TAWSN2200S25 TAWMN2200S25	●	21.5	TAWN2150T	★	<input type="checkbox"/>	79.3	104.3	160.3	25	WS355520T	TKY15T	WPT4405	MK1KS	
					TAWNH2150T	●	<input type="checkbox"/>									
					21.6	TAWN2160T	<input type="checkbox"/>									<input type="checkbox"/>
					TAWNH2160T	<input type="checkbox"/>	<input type="checkbox"/>									
					21.7	TAWN2170T	<input type="checkbox"/>									<input type="checkbox"/>
					TAWNH2170T	<input type="checkbox"/>	<input type="checkbox"/>									
					21.8	TAWN2180T	<input type="checkbox"/>									<input type="checkbox"/>
TAWNH2180T	<input type="checkbox"/>	<input type="checkbox"/>														
21.9	TAWN2190T	<input type="checkbox"/>	<input type="checkbox"/>													
TAWNH2190T	<input type="checkbox"/>	<input type="checkbox"/>														

(Nota) 1. Dimensioni L1, L2, L3 = Inserto tipo H

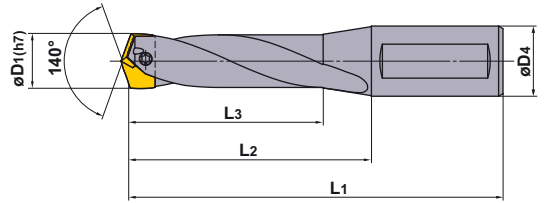
2. Nota) Contattateci per geometrie non presenti a catalogo.

(per esempio, è possibile produrre su ordinazione lunghezze e diametri diversi e punte con taglienti smussati).

● : Disponibile. ★ : Disponibile in Giappone □ : Non disponibile, prodotto su richiesta.

Gamma di diam. punte D1 (mm)	Prof. foro (l/d)	Utensile		Inserto			Dimensioni (mm)				Vite blocc.	Chiave	Piastrina	Lubrificante anti-blocco	
		Codice di ordinazione	Disponibilità	Diam. punta. D1 (mm)	Codice di ordinazione	Disponibilità		L3	L2	L1					D4
						VP15TF	VP10H								
21.5 22.4	5	TAWSN2200S25 TAWMN2200S25	●	22.0	TAWN2200T	★	<input type="checkbox"/>	124.3	144.3	200.3	25	WS355520T	TKY15T	WPT4405	MK1KS
					TAWNH2200T	●	<input type="checkbox"/>								
				22.1	TAWN2210T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2210T	<input type="checkbox"/>	<input type="checkbox"/>								
				22.2	TAWN2220T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2220T	<input type="checkbox"/>	<input type="checkbox"/>								
				22.3	TAWN2230T	<input type="checkbox"/>	<input type="checkbox"/>								
	TAWNH2230T	<input type="checkbox"/>	<input type="checkbox"/>												
				22.4	TAWN2240T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2240T	<input type="checkbox"/>	<input type="checkbox"/>								
22.5 23.4	3	TAWSN2300S25	●	22.5	TAWN2250T	★	<input type="checkbox"/>	82.3	104.3	160.3	25	WS355521T	TKY15T	WPT4405	MK1KS
					TAWNH2250T	●	<input type="checkbox"/>								
				22.6	TAWN2260T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2260T	<input type="checkbox"/>	<input type="checkbox"/>								
				22.7	TAWN2270T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2270T	<input type="checkbox"/>	<input type="checkbox"/>								
	22.8	TAWN2280T	<input type="checkbox"/>	<input type="checkbox"/>											
					22.9	TAWN2290T	<input type="checkbox"/>	<input type="checkbox"/>							
						TAWNH2290T	<input type="checkbox"/>	<input type="checkbox"/>							
	5	TAWMN2300S25	●	23.0	TAWN2300T	★	<input type="checkbox"/>	129.3	154.3	210.3	25	WS355521T	TKY15T	WPT4405	MK1KS
					TAWNH2300T	●	<input type="checkbox"/>								
				23.1	TAWN2310T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2310T	<input type="checkbox"/>	<input type="checkbox"/>								
				23.2	TAWN2320T	<input type="checkbox"/>	<input type="checkbox"/>								
				TAWNH2320T	<input type="checkbox"/>	<input type="checkbox"/>									
23.3				TAWN2330T	<input type="checkbox"/>	<input type="checkbox"/>									
				TAWNH2330T	<input type="checkbox"/>	<input type="checkbox"/>									
				23.4	TAWN2340T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2340T	<input type="checkbox"/>	<input type="checkbox"/>								
23.5 24.4	3	TAWSN2400S32	●	23.5	TAWN2350T	★	<input type="checkbox"/>	86.3	110.3	170.3	32	WS355521T	TKY15T	WPT4405	MK1KS
					TAWNH2350T	●	<input type="checkbox"/>								
				23.6	TAWN2360T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2360T	<input type="checkbox"/>	<input type="checkbox"/>								
				23.7	TAWN2370T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2370T	<input type="checkbox"/>	<input type="checkbox"/>								
	23.8	TAWN2380T	<input type="checkbox"/>	<input type="checkbox"/>											
					23.9	TAWN2390T	<input type="checkbox"/>	<input type="checkbox"/>							
						TAWNH2390T	<input type="checkbox"/>	<input type="checkbox"/>							
	5	TAWMN2400S32	●	24.0	TAWN2400T	★	<input type="checkbox"/>	135.3	160.3	220.3	32	WS355521T	TKY15T	WPT4405	MK1KS
					TAWNH2400T	●	<input type="checkbox"/>								
				24.1	TAWN2410T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2410T	<input type="checkbox"/>	<input type="checkbox"/>								
				24.2	TAWN2420T	<input type="checkbox"/>	<input type="checkbox"/>								
				TAWNH2420T	<input type="checkbox"/>	<input type="checkbox"/>									
24.3				TAWN2430T	<input type="checkbox"/>	<input type="checkbox"/>									
				TAWNH2430T	<input type="checkbox"/>	<input type="checkbox"/>									
				24.4	TAWN2440T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2440T	<input type="checkbox"/>	<input type="checkbox"/>								
24.5 25.4	3	TAWSN2500S32 TAWMN2500S32	●	24.5	TAWN2450T	★	<input type="checkbox"/>	88.6	110.6	170.3	32	WS406023T	TKY25T	WPT4405	MK1KS
					TAWNH2450T	●	<input type="checkbox"/>								
				24.6	TAWN2460T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2460T	<input type="checkbox"/>	<input type="checkbox"/>								
				24.7	TAWN2470T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2470T	<input type="checkbox"/>	<input type="checkbox"/>								
				24.8	TAWN2480T	<input type="checkbox"/>	<input type="checkbox"/>								
				24.9	TAWN2490T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2490T	<input type="checkbox"/>	<input type="checkbox"/>								

(Impiego generico)



Gamma di diam. punte D1 (mm)	Prof. foro (l/d)	Utensile		Inserto		Dimensioni (mm)				Vite blocc.	Chiave	Piastrina	Lubrificante anti-blocco			
		Codice di ordinazione	Disponibilità	Diam. punta. D1 (mm)	Codice di ordinazione	Disponibilità VP15TF VP10H	L3	L2	L1					D4		
24.5 25.4	5	TAWSN2500S32 TAWMN2500S32	●	25.0	TAWN2500T	★	<input type="checkbox"/>	140.6	165.6	225.6	32	WS406023T	TKY25T	WPT4405	MK1KS	
					TAWNH2500T	●	<input type="checkbox"/>									
				25.1	TAWN2510T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2510T	<input type="checkbox"/>	<input type="checkbox"/>									
				25.2	TAWN2520T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2520T	<input type="checkbox"/>	<input type="checkbox"/>									
				25.3	TAWN2530T	<input type="checkbox"/>	<input type="checkbox"/>									
	TAWNH2530T	<input type="checkbox"/>	<input type="checkbox"/>													
				25.4	TAWN2540T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2540T	<input type="checkbox"/>	<input type="checkbox"/>									
25.5 26.4	3	TAWSN2600S32	●	25.5	TAWN2550T	★	<input type="checkbox"/>	92.6	115.6	175.6	32	WS406024T	TKY25T	WPT4405	MK1KS	
					TAWNH2550T	●	<input type="checkbox"/>									
				25.6	TAWN2560T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2560T	<input type="checkbox"/>	<input type="checkbox"/>									
				25.7	TAWN2570T	<input type="checkbox"/>	<input type="checkbox"/>									
		TAWNH2570T	<input type="checkbox"/>	<input type="checkbox"/>												
	25.8	TAWN2580T	<input type="checkbox"/>	<input type="checkbox"/>												
					25.9	TAWN2590T	<input type="checkbox"/>	<input type="checkbox"/>								
						TAWNH2590T	<input type="checkbox"/>	<input type="checkbox"/>								
					26.0	TAWN2600T	★	<input type="checkbox"/>								
						TAWNH2600T	●	<input type="checkbox"/>								
					26.1	TAWN2610T	<input type="checkbox"/>	<input type="checkbox"/>								
						TAWNH2610T	<input type="checkbox"/>	<input type="checkbox"/>								
				26.2	TAWN2620T	<input type="checkbox"/>	<input type="checkbox"/>	146.6	170.6	230.6	32	WS406024T	TKY25T	WPT4405	MK1KS	
					TAWNH2620T	<input type="checkbox"/>	<input type="checkbox"/>									
				26.3	TAWN2630T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2630T	<input type="checkbox"/>	<input type="checkbox"/>									
				26.4	TAWN2640T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2640T	<input type="checkbox"/>	<input type="checkbox"/>									
26.5 27.4	3	TAWSN2700S32	●	26.5	TAWN2650T	★	<input type="checkbox"/>	94.6	115.6	175.6	32	WS406024T	TKY25T	WPT4405	MK1KS	
					TAWNH2650T	●	<input type="checkbox"/>									
				26.6	TAWN2660T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2660T	<input type="checkbox"/>	<input type="checkbox"/>									
				26.7	TAWN2670T	<input type="checkbox"/>	<input type="checkbox"/>									
		TAWNH2670T	<input type="checkbox"/>	<input type="checkbox"/>												
	26.8	TAWN2680T	<input type="checkbox"/>	<input type="checkbox"/>												
					26.9	TAWN2690T	<input type="checkbox"/>	<input type="checkbox"/>								
						TAWNH2690T	<input type="checkbox"/>	<input type="checkbox"/>								
					27.0	TAWN2700T	★	<input type="checkbox"/>								
						TAWNH2700T	●	<input type="checkbox"/>								
					27.1	TAWN2710T	<input type="checkbox"/>	<input type="checkbox"/>	151.6	175.6	235.6	32	WS406024T	TKY25T	WPT4405	MK1KS
						TAWNH2710T	<input type="checkbox"/>	<input type="checkbox"/>								
				27.2	TAWN2720T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2720T	<input type="checkbox"/>	<input type="checkbox"/>									
				27.3	TAWN2730T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2730T	<input type="checkbox"/>	<input type="checkbox"/>									
				27.4	TAWN2740T	<input type="checkbox"/>	<input type="checkbox"/>									
					TAWNH2740T	<input type="checkbox"/>	<input type="checkbox"/>									

(Nota) 1. Dimensioni L1, L2, L3 = Inserto tipo H

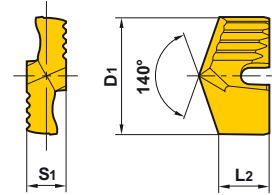
2. Nota) Contattateci per geometrie non presenti a catalogo.

(per esempio, è possibile produrre su ordinazione lunghezze e diametri diversi e punte con taglienti smussati).

● : Disponibile. ★ : Disponibile in Giappone □ : Non disponibile, prodotto su richiesta.

Gamma di diam. punte D1 (mm)	Prof. foro (l/d)	Utensile		Inserto				Dimensioni (mm)				Vite blocc.	Chiave	Piastrina	Lubrificante anti-blocco
		Codice di ordinazione	Disponibilità	Diam. punta. D1 (mm)	Codice di ordinazione	Disponibilità		L3	L2	L1	D4				
						VP15TF	VP10H								
27.5 28.4	3	TAWSN2800S32	●	27.5	TAWN2750T	★	<input type="checkbox"/>	97.2	120.2	180.2	32	WS508026T	TKY27T	WPT4405	MK1KS
					TAWNH2750T	●	<input type="checkbox"/>								
				27.6	TAWN2760T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2760T	<input type="checkbox"/>	<input type="checkbox"/>								
				27.7	TAWN2770T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2770T	<input type="checkbox"/>	<input type="checkbox"/>								
				27.8	TAWN2780T	<input type="checkbox"/>	<input type="checkbox"/>								
		TAWNH2780T	<input type="checkbox"/>	<input type="checkbox"/>											
	27.9	TAWN2790T	<input type="checkbox"/>	<input type="checkbox"/>											
		TAWNH2790T	<input type="checkbox"/>	<input type="checkbox"/>											
	28.0	TAWN2800T	★	<input type="checkbox"/>	157.2	180.2	240.2	32	WS508026T	TKY27T	WPT4405	MK1KS			
		TAWNH2800T	●	<input type="checkbox"/>											
	28.1	TAWN2810T	<input type="checkbox"/>	<input type="checkbox"/>											
		TAWNH2810T	<input type="checkbox"/>	<input type="checkbox"/>											
28.2	TAWN2820T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2820T	<input type="checkbox"/>	<input type="checkbox"/>												
28.3	TAWN2830T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2830T	<input type="checkbox"/>	<input type="checkbox"/>												
28.4	TAWN2840T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2840T	<input type="checkbox"/>	<input type="checkbox"/>												
28.5 29.4	3	TAWSN2900S32	●	28.5	TAWN2850T	★	<input type="checkbox"/>	100.2	125.2	185.2	32	WS508027T	TKY27T	WPT4405	MK1KS
					TAWNH2850T	●	<input type="checkbox"/>								
				28.6	TAWN2860T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2860T	<input type="checkbox"/>	<input type="checkbox"/>								
				28.7	TAWN2870T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2870T	<input type="checkbox"/>	<input type="checkbox"/>								
				28.8	TAWN2880T	<input type="checkbox"/>	<input type="checkbox"/>								
		TAWNH2880T	<input type="checkbox"/>	<input type="checkbox"/>											
	28.9	TAWN2890T	<input type="checkbox"/>	<input type="checkbox"/>											
		TAWNH2890T	<input type="checkbox"/>	<input type="checkbox"/>											
	29.0	TAWN2900T	★	<input type="checkbox"/>	162.2	185.2	245.2	32	WS508027T	TKY27T	WPT4405	MK1KS			
		TAWNH2900T	●	<input type="checkbox"/>											
	29.1	TAWN2910T	<input type="checkbox"/>	<input type="checkbox"/>											
		TAWNH2910T	<input type="checkbox"/>	<input type="checkbox"/>											
29.2	TAWN2920T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2920T	<input type="checkbox"/>	<input type="checkbox"/>												
29.3	TAWN2930T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2930T	<input type="checkbox"/>	<input type="checkbox"/>												
29.4	TAWN2940T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH2940T	<input type="checkbox"/>	<input type="checkbox"/>												
29.5 30.4	3	TAWSN3000S32	●	29.5	TAWN2950T	★	<input type="checkbox"/>	104.2	125.2	185.2	32	WS508027T	TKY27T	WPT4405	MK1KS
					TAWNH2950T	●	<input type="checkbox"/>								
				29.6	TAWN2960T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2960T	<input type="checkbox"/>	<input type="checkbox"/>								
				29.7	TAWN2970T	<input type="checkbox"/>	<input type="checkbox"/>								
					TAWNH2970T	<input type="checkbox"/>	<input type="checkbox"/>								
				29.8	TAWN2980T	<input type="checkbox"/>	<input type="checkbox"/>								
		TAWNH2980T	<input type="checkbox"/>	<input type="checkbox"/>											
	29.9	TAWN2990T	<input type="checkbox"/>	<input type="checkbox"/>											
		TAWNH2990T	<input type="checkbox"/>	<input type="checkbox"/>											
	30.0	TAWN3000T	★	<input type="checkbox"/>	167.2	195.2	255.2	32	WS508027T	TKY27T	WPT4405	MK1KS			
		TAWNH3000T	●	<input type="checkbox"/>											
	30.1	TAWN3010T	<input type="checkbox"/>	<input type="checkbox"/>											
		TAWNH3010T	<input type="checkbox"/>	<input type="checkbox"/>											
30.2	TAWN3020T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH3020T	<input type="checkbox"/>	<input type="checkbox"/>												
30.3	TAWN3030T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH3030T	<input type="checkbox"/>	<input type="checkbox"/>												
30.4	TAWN3040T	<input type="checkbox"/>	<input type="checkbox"/>												
	TAWNH3040T	<input type="checkbox"/>	<input type="checkbox"/>												

Inserto



Codice di ordinazione	Disp.		Dimensioni (mm)			Utensile utilizzabile	
	VP15TF	VP10H	D1	L2	S1		
TAWN1550T	★	□	15.5	7.9	6.0	TAWSN 1600S20	
1560T	★	□	15.6	7.9	6.0		
1570T	★	□	15.7	7.9	6.0		
1580T	★	□	15.8	7.9	6.0		
1590T	★	□	15.9	7.9	6.0		
1600T	★	□	16.0	7.8	6.0		TAWMN 1600S20
1610T	★	□	16.1	7.8	6.0		
1620T	★	□	16.2	7.8	6.0		
1630T	★	□	16.3	7.8	6.0		
1640T	★	□	16.4	7.8	6.0		
1650T	★	□	16.5	7.7	6.0	TAWSN 1700S20	
1660T	★	□	16.6	7.7	6.0		
1670T	★	□	16.7	7.7	6.0		
1680T	★	□	16.8	7.7	6.0		
1690T	★	□	16.9	7.7	6.0		
1700T	★	□	17.0	7.6	6.0		TAWMN 1700S20
1710T	★	□	17.1	7.6	6.0		
1720T	★	□	17.2	7.6	6.0		
1730T	★	□	17.3	7.6	6.0		
1740T	★	□	17.4	7.6	6.0		
1750T	★	□	17.5	7.5	6.0	TAWSN 1800S20	
1760T	★	□	17.6	7.5	6.0		
1770T	★	□	17.7	7.5	6.0		
1780T	★	□	17.8	7.5	6.0		
1790T	★	□	17.9	7.5	6.0		
1800T	★	□	18.0	7.4	6.0		TAWMN 1800S20
1810T	★	□	18.1	7.4	6.0		
1820T	★	□	18.2	7.4	6.0		
1830T	★	□	18.3	7.4	6.0		
1840T	★	□	18.4	7.4	6.0		
1850T	★	□	18.5	9.3	7.0	TAWSN 1900S25	
1860T	★	□	18.6	9.3	7.0		
1870T	★	□	18.7	9.3	7.0		
1880T	★	□	18.8	9.3	7.0		
1890T	★	□	18.9	9.3	7.0		
1900T	★	□	19.0	9.2	7.0		TAWMN 1900S25
1910T	★	□	19.1	9.2	7.0		
1920T	★	□	19.2	9.2	7.0		
1930T	★	□	19.3	9.2	7.0		
1940T	★	□	19.4	9.2	7.0		

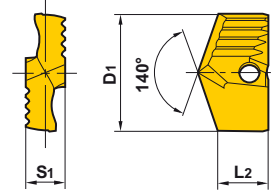
Codice di ordinazione	Disp.		Dimensioni (mm)			Utensile utilizzabile	
	VP15TF	VP10H	D1	L2	S1		
TAWN1950T	★	□	19.5	9.1	7.0	TAWSN 2000S25	
1960T	★	□	19.6	9.1	7.0		
1970T	★	□	19.7	9.1	7.0		
1980T	★	□	19.8	9.1	7.0		
1990T	★	□	19.9	9.1	7.0		
2000T	★	□	20.0	9.0	7.0		TAWMN 2000S25
2010T	□	□	20.1	9.0	7.0		
2020T	□	□	20.2	9.0	7.0		
2030T	□	□	20.3	9.0	7.0		
2040T	□	□	20.4	9.0	7.0		
2050T	★	□	20.5	8.9	7.0	TAWSN 2100S25	
2060T	□	□	20.6	8.9	7.0		
2070T	□	□	20.7	8.9	7.0		
2080T	□	□	20.8	8.9	7.0		
2090T	□	□	20.9	8.9	7.0		
2100T	★	□	21.0	8.8	7.0		TAWMN 2100S25
2110T	□	□	21.1	8.8	7.0		
2120T	□	□	21.2	8.8	7.0		
2130T	□	□	21.3	8.8	7.0		
2140T	□	□	21.4	8.8	7.0		
2150T	★	□	21.5	10.3	8.0	TAWSN 2200S25	
2160T	□	□	21.6	10.3	8.0		
2170T	□	□	21.7	10.3	8.0		
2180T	□	□	21.8	10.3	8.0		
2190T	□	□	21.9	10.3	8.0		
2200T	★	□	22.0	10.2	8.0		TAWMN 2200S25
2210T	□	□	22.1	10.2	8.0		
2220T	□	□	22.2	10.2	8.0		
2230T	□	□	22.3	10.2	8.0		
2240T	□	□	22.4	10.2	8.0		
2250T	★	□	22.5	10.1	8.0	TAWSN 2300S25	
2260T	□	□	22.6	10.1	8.0		
2270T	□	□	22.7	10.1	8.0		
2280T	□	□	22.8	10.1	8.0		
2290T	□	□	22.9	10.1	8.0		
2300T	★	□	23.0	10.0	8.0		TAWMN 2300S25
2310T	□	□	23.1	10.0	8.0		
2320T	□	□	23.2	10.0	8.0		
2330T	□	□	23.3	10.0	8.0		
2340T	□	□	23.4	10.0	8.0		

Codice di ordinazione	Disp.		Dimensioni (mm)			Utensile utilizzabile
	VP15TF	VP10H	D1	L2	S1	
TAWN2350T	★	<input type="checkbox"/>	23.5	9.9	8.0	TAWSN 2400S32
2360T	<input type="checkbox"/>	<input type="checkbox"/>	23.6	9.9	8.0	
2370T	<input type="checkbox"/>	<input type="checkbox"/>	23.7	9.9	8.0	
2380T	<input type="checkbox"/>	<input type="checkbox"/>	23.8	9.9	8.0	
2390T	<input type="checkbox"/>	<input type="checkbox"/>	23.9	9.9	8.0	
2400T	★	<input type="checkbox"/>	24.0	9.8	8.0	
2410T	<input type="checkbox"/>	<input type="checkbox"/>	24.1	9.8	8.0	
2420T	<input type="checkbox"/>	<input type="checkbox"/>	24.2	9.8	8.0	
2430T	<input type="checkbox"/>	<input type="checkbox"/>	24.3	9.8	8.0	
2440T	<input type="checkbox"/>	<input type="checkbox"/>	24.4	9.8	8.0	
2450T	★	<input type="checkbox"/>	24.5	11.1	9.0	TAWSN 2500S32
2460T	<input type="checkbox"/>	<input type="checkbox"/>	24.6	11.1	9.0	
2470T	<input type="checkbox"/>	<input type="checkbox"/>	24.7	11.1	9.0	
2480T	<input type="checkbox"/>	<input type="checkbox"/>	24.8	11.1	9.0	
2490T	<input type="checkbox"/>	<input type="checkbox"/>	24.9	11.1	9.0	
2500T	★	<input type="checkbox"/>	25.0	11.0	9.0	
2510T	<input type="checkbox"/>	<input type="checkbox"/>	25.1	11.0	9.0	
2520T	<input type="checkbox"/>	<input type="checkbox"/>	25.2	11.0	9.0	
2530T	<input type="checkbox"/>	<input type="checkbox"/>	25.3	11.0	9.0	
2540T	<input type="checkbox"/>	<input type="checkbox"/>	25.4	11.0	9.0	
2550T	★	<input type="checkbox"/>	25.5	10.9	9.0	TAWSN 2600S32
2560T	<input type="checkbox"/>	<input type="checkbox"/>	25.6	10.9	9.0	
2570T	<input type="checkbox"/>	<input type="checkbox"/>	25.7	10.9	9.0	
2580T	<input type="checkbox"/>	<input type="checkbox"/>	25.8	10.9	9.0	
2590T	<input type="checkbox"/>	<input type="checkbox"/>	25.9	10.9	9.0	
2600T	★	<input type="checkbox"/>	26.0	10.8	9.0	
2610T	<input type="checkbox"/>	<input type="checkbox"/>	26.1	10.8	9.0	
2620T	<input type="checkbox"/>	<input type="checkbox"/>	26.2	10.8	9.0	
2630T	<input type="checkbox"/>	<input type="checkbox"/>	26.3	10.8	9.0	
2640T	<input type="checkbox"/>	<input type="checkbox"/>	26.4	10.8	9.0	
2650T	★	<input type="checkbox"/>	26.5	10.7	9.0	TAWSN 2700S32
2660T	<input type="checkbox"/>	<input type="checkbox"/>	26.6	10.7	9.0	
2670T	<input type="checkbox"/>	<input type="checkbox"/>	26.7	10.7	9.0	
2680T	<input type="checkbox"/>	<input type="checkbox"/>	26.8	10.7	9.0	
2690T	<input type="checkbox"/>	<input type="checkbox"/>	26.9	10.7	9.0	
2700T	★	<input type="checkbox"/>	27.0	10.6	9.0	
2710T	<input type="checkbox"/>	<input type="checkbox"/>	27.1	10.6	9.0	
2720T	<input type="checkbox"/>	<input type="checkbox"/>	27.2	10.6	9.0	
2730T	<input type="checkbox"/>	<input type="checkbox"/>	27.3	10.6	9.0	
2740T	<input type="checkbox"/>	<input type="checkbox"/>	27.4	10.6	9.0	
2750T	★	<input type="checkbox"/>	27.5	12.1	10.0	TAWSN 2800S32
2760T	<input type="checkbox"/>	<input type="checkbox"/>	27.6	12.1	10.0	
2770T	<input type="checkbox"/>	<input type="checkbox"/>	27.7	12.1	10.0	
2780T	<input type="checkbox"/>	<input type="checkbox"/>	27.8	12.1	10.0	
2790T	<input type="checkbox"/>	<input type="checkbox"/>	27.9	12.1	10.0	
2800T	★	<input type="checkbox"/>	28.0	12.0	10.0	
2810T	<input type="checkbox"/>	<input type="checkbox"/>	28.1	12.0	10.0	
2820T	<input type="checkbox"/>	<input type="checkbox"/>	28.2	12.0	10.0	
2830T	<input type="checkbox"/>	<input type="checkbox"/>	28.3	12.0	10.0	
2840T	<input type="checkbox"/>	<input type="checkbox"/>	28.4	12.0	10.0	

Codice di ordinazione	Disp.		Dimensioni (mm)			Utensile utilizzabile
	VP15TF	VP10H	D1	L2	S1	
TAWN2850T	★	<input type="checkbox"/>	28.5	11.9	10.0	TAWSN 2900S32
2860T	<input type="checkbox"/>	<input type="checkbox"/>	28.6	11.9	10.0	
2870T	<input type="checkbox"/>	<input type="checkbox"/>	28.7	11.9	10.0	
2880T	<input type="checkbox"/>	<input type="checkbox"/>	28.8	11.9	10.0	
2890T	<input type="checkbox"/>	<input type="checkbox"/>	28.9	11.9	10.0	
2900T	★	<input type="checkbox"/>	29.0	11.8	10.0	
2910T	<input type="checkbox"/>	<input type="checkbox"/>	29.1	11.8	10.0	
2920T	<input type="checkbox"/>	<input type="checkbox"/>	29.2	11.8	10.0	
2930T	<input type="checkbox"/>	<input type="checkbox"/>	29.3	11.8	10.0	
2940T	<input type="checkbox"/>	<input type="checkbox"/>	29.4	11.8	10.0	
2950T	★	<input type="checkbox"/>	29.5	11.7	10.0	TAWSN 3000S32
2960T	<input type="checkbox"/>	<input type="checkbox"/>	29.6	11.7	10.0	
2970T	<input type="checkbox"/>	<input type="checkbox"/>	29.7	11.7	10.0	
2980T	<input type="checkbox"/>	<input type="checkbox"/>	29.8	11.7	10.0	
2990T	<input type="checkbox"/>	<input type="checkbox"/>	29.9	11.7	10.0	
3000T	★	<input type="checkbox"/>	30.0	11.6	10.0	
3010T	<input type="checkbox"/>	<input type="checkbox"/>	30.1	11.6	10.0	
3020T	<input type="checkbox"/>	<input type="checkbox"/>	30.2	11.6	10.0	
3030T	<input type="checkbox"/>	<input type="checkbox"/>	30.3	11.6	10.0	
3040T	<input type="checkbox"/>	<input type="checkbox"/>	30.4	11.6	10.0	

Inserto tipo H

Novità



Codice di ordinazione	Disp.		Dimensioni (mm)			Utensile utilizzabile
	VP15TF	VP10H	D1	L2	S1	
TAWNH1400T	●	□	14.0	7.6	5.0	TAWSNH 1400S16
1410T	●	□	14.1	7.6	5.0	
1420T	●	□	14.2	7.6	5.0	
1430T	●	□	14.3	7.6	5.0	
1440T	●	□	14.4	7.6	5.0	TAWMNH 1400S16
1450T	●	□	14.5	7.5	5.0	TAWSNH 1500S20
1460T	●	□	14.6	7.5	5.0	
1470T	●	□	14.7	7.5	5.0	
1480T	●	□	14.8	7.5	5.0	
1490T	●	□	14.9	7.5	5.0	
1500T	●	□	15.0	7.4	5.0	
1510T	●	□	15.1	7.4	5.0	
1520T	●	□	15.2	7.4	5.0	
1530T	●	□	15.3	7.4	5.0	
1540T	●	□	15.4	7.4	5.0	
1550T	●	□	15.5	7.9	6.0	TAWSN 1600S20
1560T	●	□	15.6	7.9	6.0	
1570T	●	□	15.7	7.9	6.0	
1580T	●	□	15.8	7.9	6.0	
1590T	●	□	15.9	7.9	6.0	
1600T	●	□	16.0	7.8	6.0	TAWMN 1600S20
1610T	●	□	16.1	7.8	6.0	TAWSN 1700S20
1620T	●	□	16.2	7.8	6.0	
1630T	●	□	16.3	7.8	6.0	
1640T	●	□	16.4	7.8	6.0	
1650T	●	□	16.5	7.7	6.0	
1660T	●	□	16.6	7.7	6.0	
1670T	●	□	16.7	7.7	6.0	
1680T	●	□	16.8	7.7	6.0	
1690T	●	□	16.9	7.7	6.0	
1700T	●	□	17.0	7.6	6.0	
1710T	●	□	17.1	7.6	6.0	TAWMN 1700S20
1720T	●	□	17.2	7.6	6.0	TAWSN 1800S20
1730T	●	□	17.3	7.6	6.0	
1740T	●	□	17.4	7.6	6.0	
1750T	●	□	17.5	7.5	6.0	
1760T	●	□	17.6	7.5	6.0	
1770T	●	□	17.7	7.5	6.0	
1780T	●	□	17.8	7.5	6.0	
1790T	●	□	17.9	7.5	6.0	
1800T	●	□	18.0	7.4	6.0	
1810T	●	□	18.1	7.4	6.0	
1820T	●	□	18.2	7.4	6.0	TAWSN 1900S25
1830T	●	□	18.3	7.4	6.0	
1840T	●	□	18.4	7.4	6.0	

Codice di ordinazione	Disp.		Dimensioni (mm)			Utensile utilizzabile	
	VP15TF	VP10H	D1	L2	S1		
TAWNH1850T	●	□	18.5	9.3	7.0	TAWSN 1900S25	
1860T	●	□	18.6	9.3	7.0		
1870T	●	□	18.7	9.3	7.0		
1880T	●	□	18.8	9.3	7.0		
1890T	●	□	18.9	9.3	7.0		
1900T	●	□	19.0	9.2	7.0		TAWMN 1900S25
1910T	●	□	19.1	9.2	7.0		
1920T	●	□	19.2	9.2	7.0		
1930T	●	□	19.3	9.2	7.0		
1940T	●	□	19.4	9.2	7.0		
1950T	●	□	19.5	9.1	7.0	TAWSN 2000S25	
1960T	●	□	19.6	9.1	7.0		
1970T	●	□	19.7	9.1	7.0		
1980T	●	□	19.8	9.1	7.0		
1990T	●	□	19.9	9.1	7.0		
2000T	●	□	20.0	9.0	7.0		TAWMN 2000S25
2010T	□	□	20.1	9.0	7.0		
2020T	□	□	20.2	9.0	7.0		
2030T	□	□	20.3	9.0	7.0		
2040T	□	□	20.4	9.0	7.0		
2050T	●	□	20.5	8.9	7.0	TAWSN 2100S25	
2060T	□	□	20.6	8.9	7.0		
2070T	□	□	20.7	8.9	7.0		
2080T	□	□	20.8	8.9	7.0		
2090T	□	□	20.9	8.9	7.0		
2100T	●	□	21.0	8.8	7.0		TAWMN 2100S25
2110T	□	□	21.1	8.8	7.0		
2120T	□	□	21.2	8.8	7.0		
2130T	□	□	21.3	8.8	7.0		
2140T	□	□	21.4	8.8	7.0		
2150T	●	□	21.5	10.6	8.0	TAWSN 2200S25	
2160T	□	□	21.6	10.6	8.0		
2170T	□	□	21.7	10.6	8.0		
2180T	□	□	21.8	10.6	8.0		
2190T	□	□	21.9	10.6	8.0		
2200T	●	□	22.0	10.5	8.0		TAWMN 2200S25
2210T	□	□	22.1	10.5	8.0		
2220T	□	□	22.2	10.5	8.0		
2230T	□	□	22.3	10.5	8.0		
2240T	□	□	22.4	10.5	8.0		
2250T	●	□	22.5	10.4	8.0	TAWSN 2300S25	
2260T	□	□	22.6	10.4	8.0		
2270T	□	□	22.7	10.4	8.0		
2280T	□	□	22.8	10.4	8.0		
2290T	□	□	22.9	10.4	8.0		
2300T	□	□	23.0	10.4	8.0		

● : Disponibile. (Nota: confezione da 2 inserti) □ : Non disponibile, prodotto su richiesta.

Codice di ordinazione	Disp.		Dimensioni (mm)			Utensile utilizzabile
	VP15TF	VP10H	D1	L2	S1	
TAWNH2300T	●	<input type="checkbox"/>	23.0	10.3	8.0	TAWSN 2300S25
2310T	<input type="checkbox"/>	<input type="checkbox"/>	23.1	10.3	8.0	
2320T	<input type="checkbox"/>	<input type="checkbox"/>	23.2	10.3	8.0	
2330T	<input type="checkbox"/>	<input type="checkbox"/>	23.3	10.3	8.0	
2340T	<input type="checkbox"/>	<input type="checkbox"/>	23.4	10.3	8.0	
2350T	●	<input type="checkbox"/>	23.5	10.2	8.0	TAWMN 2300S25
2360T	<input type="checkbox"/>	<input type="checkbox"/>	23.6	10.2	8.0	
2370T	<input type="checkbox"/>	<input type="checkbox"/>	23.7	10.2	8.0	
2380T	<input type="checkbox"/>	<input type="checkbox"/>	23.8	10.2	8.0	
2390T	<input type="checkbox"/>	<input type="checkbox"/>	23.9	10.2	8.0	
2400T	●	<input type="checkbox"/>	24.0	10.1	8.0	TAWSN 2400S32
2410T	<input type="checkbox"/>	<input type="checkbox"/>	24.1	10.1	8.0	
2420T	<input type="checkbox"/>	<input type="checkbox"/>	24.2	10.1	8.0	
2430T	<input type="checkbox"/>	<input type="checkbox"/>	24.3	10.1	8.0	
2440T	<input type="checkbox"/>	<input type="checkbox"/>	24.4	10.1	8.0	
2450T	●	<input type="checkbox"/>	24.5	11.7	9.0	TAWMN 2400S32
2460T	<input type="checkbox"/>	<input type="checkbox"/>	24.6	11.7	9.0	
2470T	<input type="checkbox"/>	<input type="checkbox"/>	24.7	11.7	9.0	
2480T	<input type="checkbox"/>	<input type="checkbox"/>	24.8	11.7	9.0	
2490T	<input type="checkbox"/>	<input type="checkbox"/>	24.9	11.7	9.0	
2500T	●	<input type="checkbox"/>	25.0	11.6	9.0	TAWSN 2500S32
2510T	<input type="checkbox"/>	<input type="checkbox"/>	25.1	11.6	9.0	
2520T	<input type="checkbox"/>	<input type="checkbox"/>	25.2	11.6	9.0	
2530T	<input type="checkbox"/>	<input type="checkbox"/>	25.3	11.6	9.0	
2540T	<input type="checkbox"/>	<input type="checkbox"/>	25.4	11.6	9.0	
2550T	●	<input type="checkbox"/>	25.5	11.5	9.0	TAWMN 2500S32
2560T	<input type="checkbox"/>	<input type="checkbox"/>	25.6	11.5	9.0	
2570T	<input type="checkbox"/>	<input type="checkbox"/>	25.7	11.5	9.0	
2580T	<input type="checkbox"/>	<input type="checkbox"/>	25.8	11.5	9.0	
2590T	<input type="checkbox"/>	<input type="checkbox"/>	25.9	11.5	9.0	
2600T	●	<input type="checkbox"/>	26.0	11.4	9.0	TAWSN 2600S32
2610T	<input type="checkbox"/>	<input type="checkbox"/>	26.1	11.4	9.0	
2620T	<input type="checkbox"/>	<input type="checkbox"/>	26.2	11.4	9.0	
2630T	<input type="checkbox"/>	<input type="checkbox"/>	26.3	11.4	9.0	
2640T	<input type="checkbox"/>	<input type="checkbox"/>	26.4	11.4	9.0	
2650T	●	<input type="checkbox"/>	26.5	11.3	9.0	TAWMN 2600S32
2660T	<input type="checkbox"/>	<input type="checkbox"/>	26.6	11.3	9.0	
2670T	<input type="checkbox"/>	<input type="checkbox"/>	26.7	11.3	9.0	
2680T	<input type="checkbox"/>	<input type="checkbox"/>	26.8	11.3	9.0	
2690T	<input type="checkbox"/>	<input type="checkbox"/>	26.9	11.3	9.0	
2700T	●	<input type="checkbox"/>	27.0	11.2	9.0	TAWSN 2700S32
2710T	<input type="checkbox"/>	<input type="checkbox"/>	27.1	11.2	9.0	
2720T	<input type="checkbox"/>	<input type="checkbox"/>	27.2	11.2	9.0	
2730T	<input type="checkbox"/>	<input type="checkbox"/>	27.3	11.2	9.0	
2740T	<input type="checkbox"/>	<input type="checkbox"/>	27.4	11.2	9.0	

Codice di ordinazione	Disp.		Dimensioni (mm)			Utensile utilizzabile
	VP15TF	VP10H	D1	L2	S1	
TAWNH2750T	●	<input type="checkbox"/>	27.5	12.3	10.0	TAWSN 2800S32
2760T	<input type="checkbox"/>	<input type="checkbox"/>	27.6	12.3	10.0	
2770T	<input type="checkbox"/>	<input type="checkbox"/>	27.7	12.3	10.0	
2780T	<input type="checkbox"/>	<input type="checkbox"/>	27.8	12.3	10.0	
2790T	<input type="checkbox"/>	<input type="checkbox"/>	27.9	12.3	10.0	
2800T	●	<input type="checkbox"/>	28.0	12.2	10.0	TAWMN 2800S32
2810T	<input type="checkbox"/>	<input type="checkbox"/>	28.1	12.2	10.0	
2820T	<input type="checkbox"/>	<input type="checkbox"/>	28.2	12.2	10.0	
2830T	<input type="checkbox"/>	<input type="checkbox"/>	28.3	12.2	10.0	
2840T	<input type="checkbox"/>	<input type="checkbox"/>	28.4	12.2	10.0	
2850T	●	<input type="checkbox"/>	28.5	12.1	10.0	TAWSN 2900S32
2860T	<input type="checkbox"/>	<input type="checkbox"/>	28.6	12.1	10.0	
2870T	<input type="checkbox"/>	<input type="checkbox"/>	28.7	12.1	10.0	
2880T	<input type="checkbox"/>	<input type="checkbox"/>	28.8	12.1	10.0	
2890T	<input type="checkbox"/>	<input type="checkbox"/>	28.9	12.1	10.0	
2900T	●	<input type="checkbox"/>	29.0	12.0	10.0	TAWMN 2900S32
2910T	<input type="checkbox"/>	<input type="checkbox"/>	29.1	12.0	10.0	
2920T	<input type="checkbox"/>	<input type="checkbox"/>	29.2	12.0	10.0	
2930T	<input type="checkbox"/>	<input type="checkbox"/>	29.3	12.0	10.0	
2940T	<input type="checkbox"/>	<input type="checkbox"/>	29.4	12.0	10.0	
2950T	●	<input type="checkbox"/>	29.5	11.9	10.0	TAWSN 3000S32
2960T	<input type="checkbox"/>	<input type="checkbox"/>	29.6	11.9	10.0	
2970T	<input type="checkbox"/>	<input type="checkbox"/>	29.7	11.9	10.0	
2980T	<input type="checkbox"/>	<input type="checkbox"/>	29.8	11.9	10.0	
2990T	<input type="checkbox"/>	<input type="checkbox"/>	29.9	11.9	10.0	
3000T	●	<input type="checkbox"/>	30.0	11.8	10.0	TAWMN 3000S32
3010T	<input type="checkbox"/>	<input type="checkbox"/>	30.1	11.8	10.0	
3020T	<input type="checkbox"/>	<input type="checkbox"/>	30.2	11.8	10.0	
3030T	<input type="checkbox"/>	<input type="checkbox"/>	30.3	11.8	10.0	
3040T	<input type="checkbox"/>	<input type="checkbox"/>	30.4	11.8	10.0	

Parametri di taglio consigliati

Materiale	Diametro punta	$\phi 14.0 - \phi 15.4$		$\phi 15.5 - \phi 18.4$		$\phi 18.5 - \phi 21.4$	
	Parametri Durezza	Velocità di taglio (m/min)	Avanzamento (mm/giro)	Velocità di taglio (m/min)	Avanzamento (mm/giro)	Velocità di taglio (m/min)	Avanzamento (mm/giro)
P Acciaio dolce	$\leq 180\text{HB}$	70 (60–90)	0.20 (0.15–0.25)	80 (60–100)	0.25 (0.20–0.30)	90 (70–110)	0.25 (0.20–0.30)
	180–280HB	70 (60–90)	0.20 (0.15–0.25)	80 (60–100)	0.25 (0.20–0.30)	80 (60–100)	0.25 (0.20–0.30)
	280–350HB	60 (50–80)	0.15 (0.12–0.18)	70 (50–90)	0.20 (0.15–0.25)	70 (50–90)	0.20 (0.15–0.25)
M Acciaio inossidabile	$\leq 200\text{HB}$	50 (40–60)	0.15 (0.12–0.18)	50 (40–60)	0.15 (0.12–0.18)	60 (50–70)	0.20 (0.15–0.22)
K Ghisa	Resistenza alla trazione $\leq 350\text{MPa}$	70 (60–90)	0.20 (0.15–0.25)	80 (60–90)	0.30 (0.20–0.35)	90 (70–110)	0.25 (0.20–0.35)
	Resistenza alla trazione $\leq 450\text{MPa}$	70 (50–90)	0.20 (0.15–0.25)	80 (60–90)	0.25 (0.20–0.30)	80 (60–90)	0.25 (0.20–0.30)

Materiale	Diametro punta	$\phi 21.5 - \phi 24.4$		$\phi 24.5 - \phi 27.4$		$\phi 27.5 - \phi 30.4$	
	Parametri Durezza	Velocità di taglio (m/min)	Avanzamento (mm/giro)	Velocità di taglio (m/min)	Avanzamento (mm/giro)	Velocità di taglio (m/min)	Avanzamento (mm/giro)
P Acciaio dolce	$\leq 180\text{HB}$	100 (80–120)	0.30 (0.25–0.35)	110 (80–120)	0.30 (0.25–0.35)	110 (80–120)	0.30 (0.25–0.35)
	180–280HB	90 (70–110)	0.30 (0.25–0.35)	100 (80–120)	0.30 (0.25–0.35)	100 (80–120)	0.30 (0.25–0.35)
	280–350HB	80 (60–100)	0.25 (0.20–0.30)	90 (70–110)	0.25 (0.20–0.30)	90 (70–110)	0.25 (0.20–0.30)
M Acciaio inossidabile	$\leq 200\text{HB}$	60 (50–70)	0.20 (0.15–0.22)	70 (60–80)	0.25 (0.20–0.28)	70 (60–80)	0.25 (0.20–0.28)
K Ghisa	Resistenza alla trazione $\leq 350\text{MPa}$	100 (80–110)	0.35 (0.25–0.40)	110 (90–120)	0.35 (0.25–0.40)	110 (90–120)	0.40 (0.30–0.45)
	Resistenza alla trazione $\leq 450\text{MPa}$	90 (60–100)	0.30 (0.25–0.35)	100 (80–110)	0.30 (0.25–0.35)	100 (80–110)	0.30 (0.25–0.35)

Note per l'uso

Installazione dell'inserto

- Allentare la vite di bloccaggio.
- Far combaciare la struttura dentellata dell'utensile con quella dell'inserto, quindi far scorrere quest'ultimo fino alla fine della scanalatura.
- Stringere la vite di bloccaggio usando la chiave in dotazione e tenendo leggermente fermo l'inserto con le dita (figura 1).
- Controllare che non esista gioco tra la parte inferiore dell'inserto e l'utensile (figura 2).

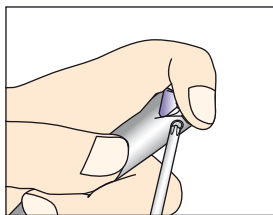


Fig. 1

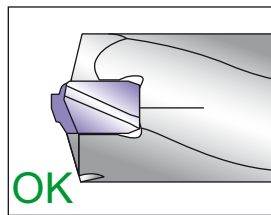
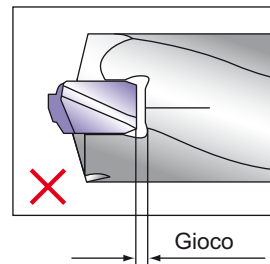


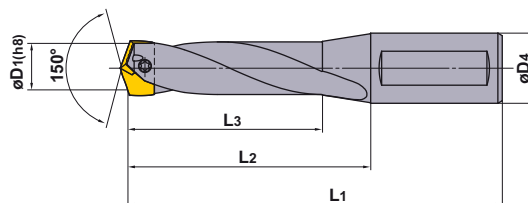
Fig. 2



Sostituzione dell'inserto

- Pulire bene la struttura dentellata dell'utensile prima di montare un nuovo inserto.
- Rimuovere lo sporco sulla struttura dentellata dell'utensile usando la piastrina di pulizia in dotazione.

(Parti per costruzione di ponti)



Utensile

Gamma di diam. punte D1 (mm)	Prof. foro (l/d)	Utensile		Inserto applicabile			Dimensioni (mm)				Vite blocc.	Chiave	Piastrina	Lubrificante anti-blocco
		Codice di ordinazione	Disponibilità	Diam. Punta D1 (mm)	Codice di ordinazione	Disp. VP15TF	L3	L2	L1	D4				
24.5 24.6 24.7	3	TAWSB2500S32	●	24.5	TAWB2450T	★	88.6	110.6	170.6	32	WS406023T	TKY25T	WPT4405	MK1KS
				Novità	TAWBH2450T	●								
	5	TAWMB2500S32	□	24.6	TAWB2460T	□	140.6	165.6	225.6	32	WS406023T	TKY25T	WPT4405	MK1KS
				Novità	TAWBH2460T	□								
26.5 26.7	3	TAWSB2700S32	●	26.5	TAWB2650T	□	94.6	115.6	175.6	32	WS406024T	TKY25T	WPT4405	MK1KS
				Novità	TAWBH2650T	□								
	5	TAWMB2700S32	□	26.7	TAWB2670T	★	151.6	175.6	235.6	32	WS406024T	TKY25T	WPT4405	MK1KS
				Novità	TAWBH2670T	●								


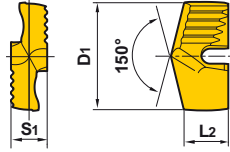

Nota) Contattateci per geometrie non presenti a catalogo.

(per esempio, è possibile produrre su ordinazione lunghezze e diametri diversi e punte con taglienti smussati).

● : Disponibile.

□ : Non disponibile, prodotto su ordinazione.

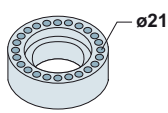
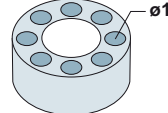
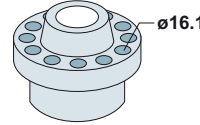
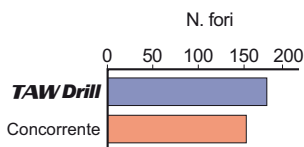
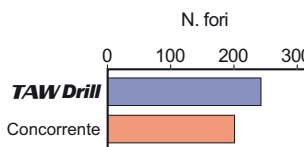
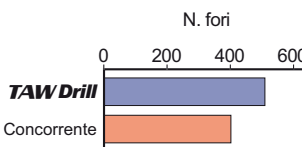
Inserto

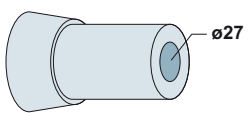
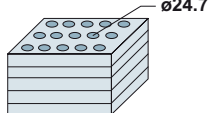
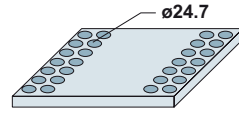
Forma	Codice di ordinazione	Disp. VP15TF	Dimensioni (mm)			Utensile utilizzabile	Ampiezza onatura (mm)	Geometria
			D1	L2	S1			
Tipo U 	TAWB2450T	★	24.5	11.1	9.0	TAWSB2500S32 TAWMB2500S32	0.20-0.25	
	2460T	□	24.6	11.1	9.0			
	2470T	★	24.7	11.1	9.0			
	2650T	□	26.5	10.7	9.0	TAWSB2700S32 TAWMB2700S32		
	2670T	★	26.7	10.7	9.0			
Tipo H Novità 	Novità TAWBH2450T	●	24.5	11.7	9.0	TAWSB2500S32 TAWMB2500S32	0.20-0.25	
	Novità 2460T	□	24.6	11.7	9.0			
	Novità 2470T	●	24.7	11.7	9.0			
	Novità 2650T	□	26.5	11.3	9.0	TAWSB2700S32 TAWMB2700S32		
	Novità 2670T	●	26.7	11.3	9.0			

● : Disponibile. (Nota: confezione da 2 inserti) ★ : Disponibile in Giappone □ : Non disponibile, prodotto su ordinazione.

Materiale	Diametro punta	φ24.5, φ24.6, φ24.7		φ26.5, φ26.7	
	Parametri	Velocità di taglio (m/min)	Avanzamento (mm/giro)	Avanzamento (mm/giro)	Velocità di taglio (m/min)
P Acciaio da costruzione	Durezza				
	Resistenza alla trazione ≤ 400-500 N/mm ²	70 (60-80)	0.30 (0.25-0.35)	70 (60-80)	0.30 (0.25-0.35)
	Resistenza alla trazione ≤ 490-610 N/mm ²	65 (55-75)	0.30 (0.25-0.35)	65 (55-75)	0.30 (0.25-0.35)
	Resistenza alla trazione ≤ 570-720 N/mm ²	60 (50-70)	0.30 (0.25-0.35)	60 (50-70)	0.30 (0.25-0.35)

Esempi di applicazioni

Utensile	TAWMN2100S25	TAWMN1800S20	TAWSN1600S20
Insero (grado)	TAWN2100T (VP15TF)	TAWN1800T (VP15TF)	TAWN1610T (VP15TF)
Materiale da lavorare	ISO 34 CrMo4 	ISO C45 (200HB) 	DIN StE 285 
Componente	Anello	Corona dentata	Parte di macchina
Parametri di taglio	Velocità di taglio (m/min)	55	80
	Avanzamento (mm/giro)	0.2	0.3
	N. di giri (min-1)	833	1238
	Velocità di avanzamento (mm/min)	167	371
Refrigerante	Emulsione	Emulsione	Emulsione
Tipo di macchina	Centro di lavorazione	Centro di lavorazione	Centro di lavorazione
Risultato			

Utensile	TAWSN2700S32	TAWSB2500S32	TAWSB2500S32
Insero (grado)	TAWN2700T (VP15TF)	TAWB2470T (VP15TF)	TAWB2470T (VP15TF)
Materiale da lavorare	ISO 18 CrMo4 	BS S335 JR (Pezzi laminati) 	BS S335 JR 
Componente	Tubo	Acciaio per ponti	Acciaio per ponti
Parametri di taglio	Velocità di taglio (m/min)	80	60
	Avanzamento (mm/giro)	0.3	0.3
	N. di giri (min-1)	943	773
	Velocità di avanzamento (mm/min)	283	232
Refrigerante	Emulsione	Lubrificazione minimale	Lubrificazione minimale
Tipo di macchina	Tornio a controllo numerico	Foratrice automatica	Foratrice automatica
Risultato	