

MITSUBISHI

MITSUBISHI CARBIDE

Bohrer mit austauschbarer WSP

B060D

TAW

Neuer Bohrer mit austauschbarer Hartmetallschneide

Neue Ausführung
für sicheres
Klemmen

NEU



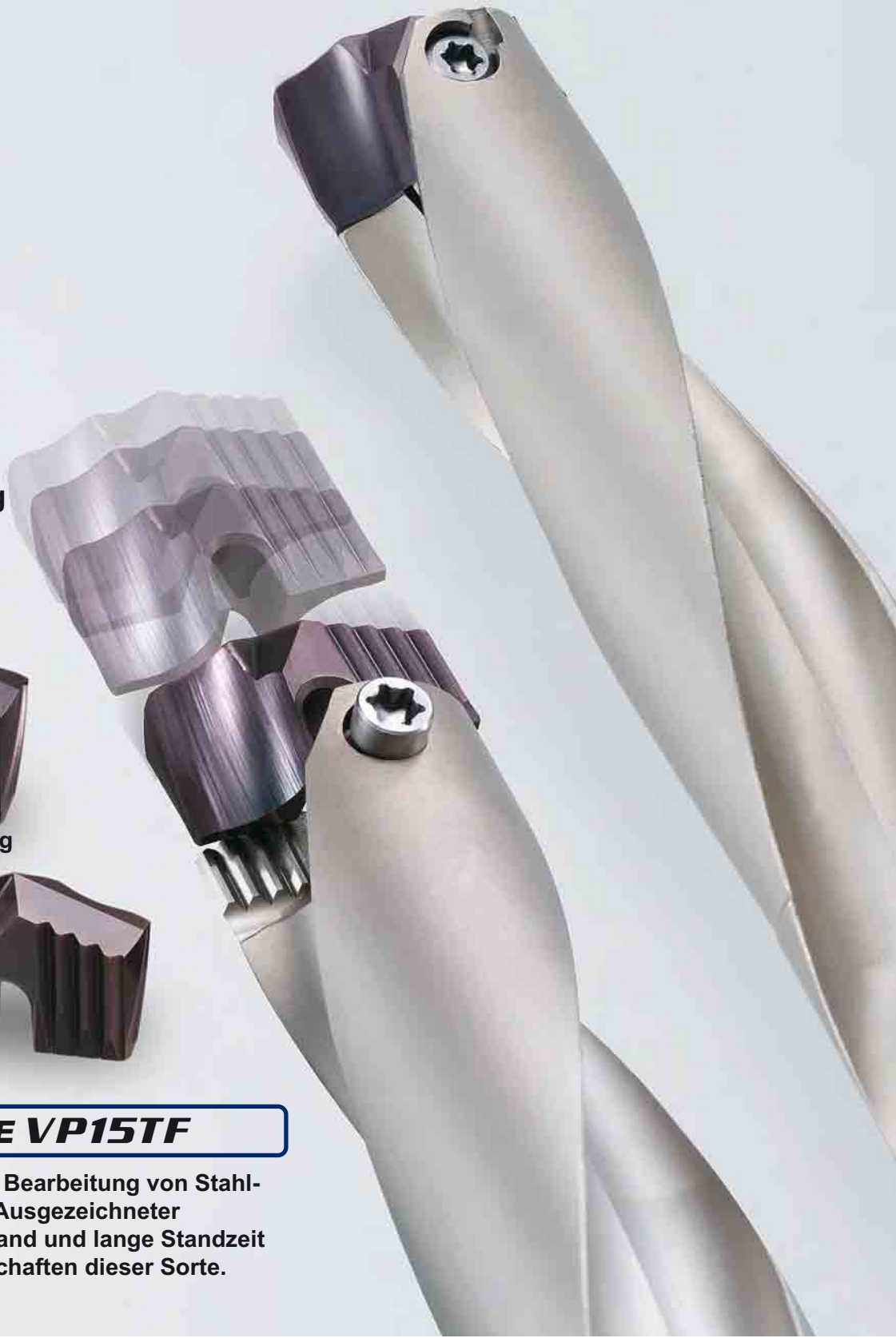
WSP in H Ausführung



WSP in U
Ausführung

MIRACLE[®] VP15TF

Für die allgemeine Bearbeitung von Stahl-
und Guss. Ausgezeichneter
Temperaturwiderstand und lange Standzeit
sind die Eigenschaften dieser Sorte.



NEUE BOHRWERKZEUGE

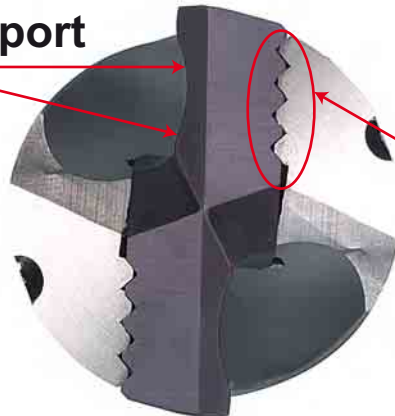
TAW Bohrer

Eigenschaften

Hohe Schärfe und Präzision

Konkave Geometrie für einen besseren Späntransport

Die neue Geometrie verbessert den Späntransport und ist stabil im Kern und an den Außenschneiden.





Schneidkantenform

Formschluß von WSP und Bohrkörper

Sehr präziser und stabiler Plattensitz.

Wendeplatten Auswahl

- Neue Ausführung für sicheres Klemmen

U Typ	H Typ
	
Einfacher Schneidkopfwechsel	Extra sichere Klemmung

Einfacher Schneidkopfwechsel

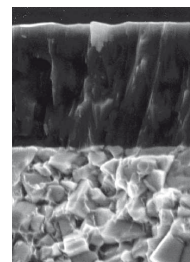
- Mit nur einer seitlichen Schraube erfolgt der Schneidkopfwechsel.



U Typ

Hohe Standzeiten

- **MIRACLE**® beschichtete **VP15TF** WSP für außerordentlich hohe Standzeiten.



MIRACLE®
beschichtet
(Al,Ti)N

Feinstkorn
Hartmetall
TF15

VP15TF

Eigenschaften der VP15TF

Die Kombination aus dem Substrat TF15 und der Miracle-Beschichtung für einen breiten Anwendungsbereich über legierten- und hochlegierten bis zu rostfreien Stählen und Gußwerkstoffen.

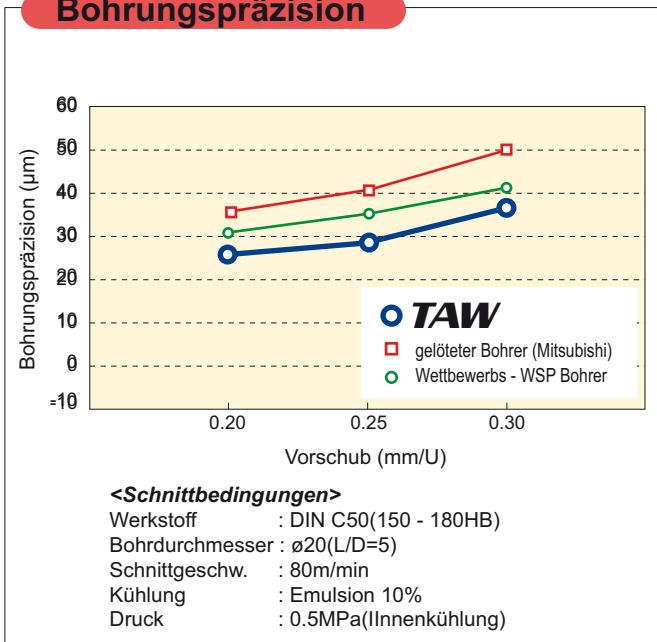
Hochfester Bohrer

- Das Trägermaterial mit einer hohen Festigkeit und der Beschichtung ist hitzebeständig und bietet einen sehr guten Schutz gegen abrasiven Verschleiß.

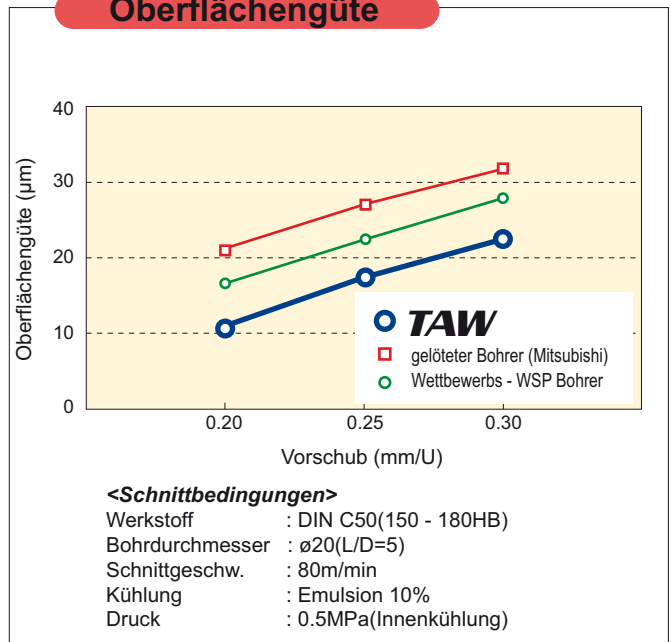


Merkmale

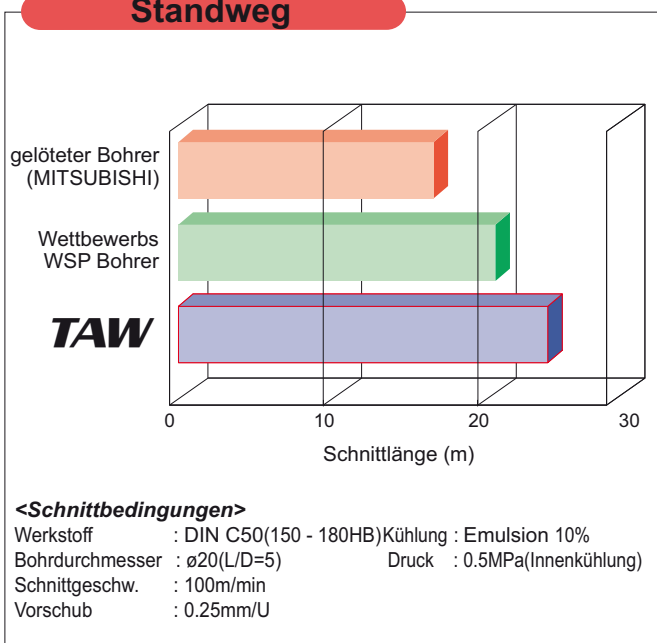
Bohrungspräzision



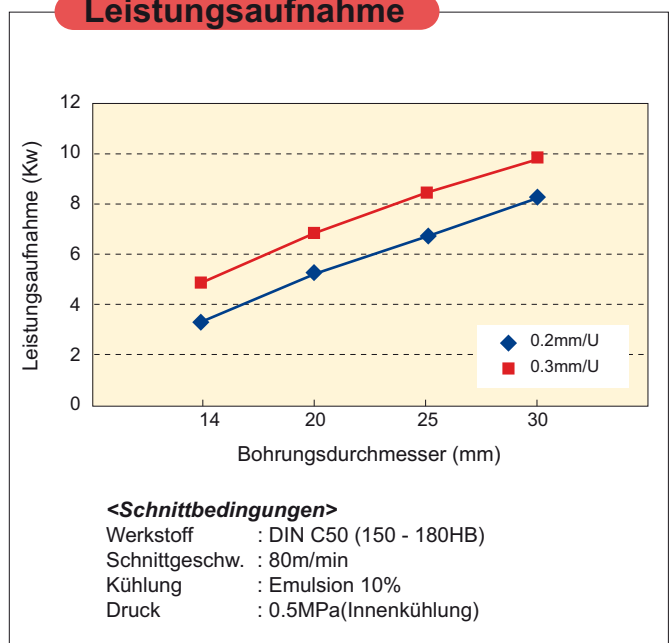
Oberflächengüte



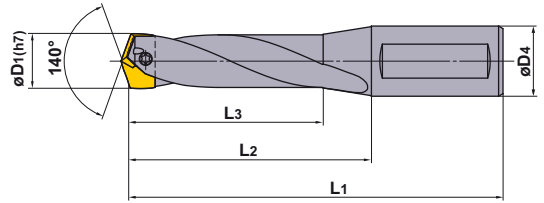
Standweg



Leistungsaufnahme



Standard Bohrer



Bohrungs- durchm. bereich D1 (mm)	Bohr- tiefe (l/d)	Trägerwerkzeug		WSP				Abmessungen (mm)				Klemm- schraube	Schlüssel	Unterleg- platte	Schmier- stoff	
		Bestellbezeichnung	Lager	Bohr- durchm. D1 (mm)	Bestellbezeichnung	Lager		*L3	*L2	*L1	*D4					
						VP15TF	VP10H									
14.0 14.4	3	NEU TAWSNH1400S16	●	14.0	TAWNH1400T	●	□	51	67	115	16	WS254012T	TKY08D	WPT4405	MK1KS	
				14.1	TAWNH1410T	●	□									
				14.2	TAWNH1420T	●	□									
	5	NEU TAWMNH1400S16	●	14.3	TAWNH1430T	●	□	80	97	145	16	WS254012T	TKY08D	WPT4405	MK1KS	
				14.4	TAWNH1440T	●	□									
14.5 15.4	3	NEU TAWSNH1500S20	●	14.5	TAWNH1450T	●	□	54	75	125	20	WS254013T	TKY08D	WPT4405	MK1KS	
				14.6	TAWNH1460T	●	□									
				14.7	TAWNH1470T	●	□									
				14.8	TAWNH1480T	●	□									
				14.9	TAWNH1490T	●	□									
	5	NEU TAWMNH1500S20	●	15.0	TAWNH1490T	●	□	85	105	155	20	WS254013T	TKY08D	WPT4405	MK1KS	
				15.1	TAWNH1510T	●	□									
				15.2	TAWNH1520T	●	□									
				15.3	TAWNH1530T	●	□									
15.5 16.4	3	TAWSN1600S20	●	15.5	TAWN1550T	★	□	58	80	130	20	WS254014T	TKY08D	WPT4405	MK1KS	
				TAWNH1550T	●	□										
				15.6	TAWN1560T	★	□									
				TAWNH1560T	●	□										
				15.7	TAWN1570T	★	□									
				TAWNH1570T	●	□										
				15.8	TAWN1580T	★	□									
	TAWNH1580T	●	□													
	5	TAWMN1600S20	●	15.9	TAWN1590T	★	□	91	115	165	20	WS254014T	TKY08D	WPT4405	MK1KS	
				TAWNH1590T	●	□										
				16.0	TAWN1600T	★	□									
				TAWNH1600T	●	□										
				16.1	TAWN1610T	★	□									
				TAWNH1610T	●	□										
16.2				TAWN1620T	★	□										
TAWNH1620T	●	□														
16.3	TAWN1630T	★	□													
TAWNH1630T	●	□														
16.4	TAWN1640T	★	□													
TAWNH1640T	●	□														

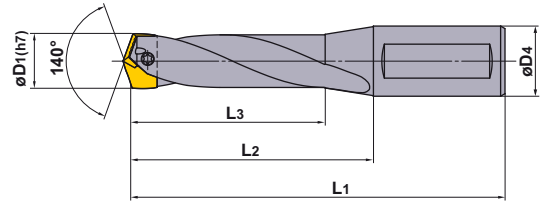
*Hinweis: L1, L2, L3 sind die Abmessungen mit der WSP in H-Ausführung.

Bemerkung) Bitte um Kontaktaufnahme, bei abweichenden Bedarfsfällen.

(z.B. andere Durchmesser und Längen, sowie Bohrer mit Schneidkantenverfasungen können hergestellt werden).

Bohrungs- durchm. bereich D1 (mm)	Bohr- tiefe (l/d)	Trägerwerkzeug		WSP				Abmessungen (mm)							
		Bestellbezeichnung	Lager	Bohr- durchm. D1 (mm)	Bestellbezeichnung	Lager		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"/>										
			TAWNH1690T	●	<input type="checkbox"/>										
		17.0	TAWN1700T	★	<input type="checkbox"/>										
			TAWNH1700T	●	<input type="checkbox"/>										
		17.1	TAWN1710T	★	<input type="checkbox"/>										
			TAWNH1710T	●	<input type="checkbox"/>										
17.5 18.4	3	TAWSN1800S20	●	17.5	TAWN1750T	★	<input type="checkbox"/>	65	90	140	20	WS254016T	①TKY08D	WPT4405	MK1KS
					TAWNH1750T	●	<input type="checkbox"/>								
				17.6	TAWN1760T	★	<input type="checkbox"/>								
					TAWNH1760T	●	<input type="checkbox"/>								
				17.7	TAWN1770T	★	<input type="checkbox"/>								
					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"/>										
			TAWNH1810T	●	<input type="checkbox"/>										
18.5 19.4	3	TAWSN1900S25	●	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"/>										
			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"/>											
		TAWNH1930T	●	<input type="checkbox"/>											
	19.4	TAWN1940T	★	<input type="checkbox"/>											
		TAWNH1940T	●	<input type="checkbox"/>											

Standard Bohrer



Bohrungs- durchm. bereich D1 (mm)	Bohr- tiefe (l/d)	Trägerwerkzeug		WSP		Abmessungen (mm)				Klemm- schraube	Schlüssel	Unterleg- platte	Schmier- stoff		
		Bestellbezeichnung	Lager	Bohr- durchm. D1 (mm)	Bestellbezeichnung	Lager	*L3	*L2	*L1					*D4	
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"/>	113	139	195	25	WS304518T	TKY10T	WPT4405	MK1KS			
		TAWNH2000T	●	<input type="checkbox"/>											
	20.1	TAWN2010T		<input type="checkbox"/>											
		TAWNH2010T		<input type="checkbox"/>											
20.2	TAWN2020T		<input type="checkbox"/>												
	TAWNH2020T		<input type="checkbox"/>												
20.3	TAWN2030T		<input type="checkbox"/>												
	TAWNH2030T		<input type="checkbox"/>												
20.4	TAWN2040T		<input type="checkbox"/>												
	TAWNH2040T		<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"/>								
					TAWNH2060T		<input type="checkbox"/>								
				20.7	TAWN2070T		<input type="checkbox"/>								
					TAWNH2070T		<input type="checkbox"/>								
				20.8	TAWN2080T		<input type="checkbox"/>								
		TAWNH2080T		<input type="checkbox"/>											
	20.9	TAWN2090T		<input type="checkbox"/>											
		TAWNH2090T		<input type="checkbox"/>											
	21.0	TAWN2100T	★	<input type="checkbox"/>	118	139	195	25	WS304518T	TKY10T	WPT4405	MK1KS			
		TAWNH2100T	●	<input type="checkbox"/>											
	21.1	TAWN2110T		<input type="checkbox"/>											
		TAWNH2110T		<input type="checkbox"/>											
21.2	TAWN2120T		<input type="checkbox"/>												
	TAWNH2120T		<input type="checkbox"/>												
21.3	TAWN2130T		<input type="checkbox"/>												
	TAWNH2130T		<input type="checkbox"/>												
21.4	TAWN2140T		<input type="checkbox"/>												
	TAWNH2140T		<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"/>								
					TAWNH2160T		<input type="checkbox"/>								
				21.7	TAWN2170T		<input type="checkbox"/>								
					TAWNH2170T		<input type="checkbox"/>								
				21.8	TAWN2180T		<input type="checkbox"/>								
	TAWNH2180T		<input type="checkbox"/>												
21.9	TAWN2190T		<input type="checkbox"/>												
	TAWNH2190T		<input type="checkbox"/>												

*Hinweis: L1, L2, L3 sind die Abmessungen mit der WSP in H-Ausführung.

Bemerkung) Bitte um Kontaktaufnahme, bei abweichenden Bedarfsfällen.

(z.B. andere Durchmesser und Längen, sowie Bohrer mit Schneidkantenverfasungen können hergestellt werden).

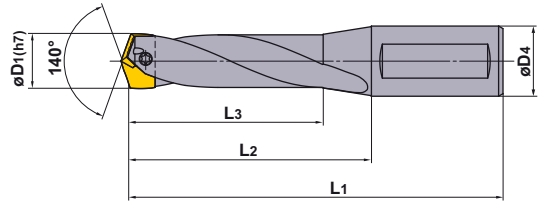
● : Lagerstandard

★ : Lagerstandard in Japan

□ : Nichtstandard, Herstellung nur auf Anfrage

Bohrungs- durchm. bereich D1 (mm)	Bohr- tiefe (l/d)	Trägerwerkzeug		WSP			Abmessungen (mm)								
		Bestellbezeichnung	Lager	Bohr- durchm. D1 (mm)	Bestellbezeichnung	Lager		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"/>											
		TAWNH2280T	<input type="checkbox"/>	<input type="checkbox"/>											
	22.9	TAWN2290T	<input type="checkbox"/>	<input type="checkbox"/>											
		TAWNH2290T	<input type="checkbox"/>	<input type="checkbox"/>											
	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"/>											
		TAWNH2380T	<input type="checkbox"/>	<input type="checkbox"/>											
	23.9	TAWN2390T	<input type="checkbox"/>	<input type="checkbox"/>											
		TAWNH2390T	<input type="checkbox"/>	<input type="checkbox"/>											
	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"/>								
	TAWNH2480T	<input type="checkbox"/>	<input type="checkbox"/>												
24.9	TAWN2490T	<input type="checkbox"/>	<input type="checkbox"/>												
					TAWNH2490T	<input type="checkbox"/>	<input type="checkbox"/>								

Standard Bohrer

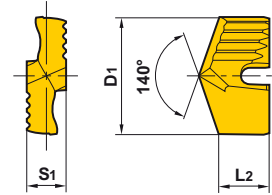


Bohrungs- durchm. bereich D1 (mm)	Bohr- tiefe (l/d)	Trägerwerkzeug		WSP		Abmessungen (mm)				Klemm- schraube	Schlüssel	Unterleg- platte	Schmier- stoff			
		Bestellbezeichnung	Lager	Bohr- durchm. D1 (mm)	Bestellbezeichnung	Lager	*L3	*L2	*L1					*D4		
24.5 25.4	5	TAWSN2500S32 TAWMN2500S32	●	25.0	TAWN2500T	★	<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"/>								
						TAWNH2580T	<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"/>	146.6	170.6	230.6	32	WS406024T	TKY25T	WPT4405	MK1KS
						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"/>									
					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"/>								
						TAWNH2680T	<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"/>	151.6	175.6	235.6	32	WS406024T	TKY25T	WPT4405	MK1KS
						TAWNH2700T	●	<input type="checkbox"/>								
					27.1	TAWN2710T	<input type="checkbox"/>	<input type="checkbox"/>								
					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"/>									

*Hinweis: L1, L2, L3 sind die Abmessungen mit der WSP in H-Ausführung.
 Bemerkung) Bitte um Kontaktaufnahme, bei abweichenden Bedarfsfällen.
 (z.B. andere Durchmesser und Längen, sowie Bohrer mit Schneidkantenverfassungen können hergestellt werden).

● : Lagerstandard ★ : Lagerstandard in Japan □ : Nichtstandard, Herstellung nur auf Anfrage

Bohrungs- durchm. bereich D1 (mm)	Bohr- tiefe (l/d)	Trägerwerkzeug		WSP			Abmessungen (mm)								
		Bestellbezeichnung	Lager	Bohr- durchm. D1 (mm)	Bestellbezeichnung	Lager		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"/>								
	5	TAWMN2800S32	●	27.9	TAWN2790T	<input type="checkbox"/>	<input type="checkbox"/>	157.2	180.2	240.2	32	WS508026T	TKY27T	WPT4405	MK1KS
					TAWNH2790T	<input type="checkbox"/>	<input type="checkbox"/>								
				28.0	TAWN2800T	★	<input type="checkbox"/>								
					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"/>											
	5	TAWMN2900S32	●	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"/>											
	5	TAWMN3000S32	●	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"/>												



Bestellbezeichnung	Lager		Abmessungen (mm)			Trägerwerkzeug
	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	
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	
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	
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	
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	

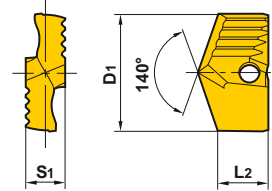
Bestellbezeichnung	Lager		Abmessungen (mm)			Trägerwerkzeug
	VP15TF	VP10H	D1	L2	S1	
TAWN1950T	★	□	19.5	9.1	7.0	TAWSN 2000S25
1960T	★	□	19.6	9.1	7.0	
1970T	★	□	19.7	9.1	7.0	
1980T	★	□	19.8	9.1	7.0	
1990T	★	□	19.9	9.1	7.0	
2000T	★	□	20.0	9.0	7.0	
2010T	□	□	20.1	9.0	7.0	
2020T	□	□	20.2	9.0	7.0	
2030T	□	□	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	
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	
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	
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	

Bestellbezeichnung	Lager		Abmessungen (mm)			Trägerwerkzeug
	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	

Bestellbezeichnung	Lager		Abmessungen (mm)			Trägerwerkzeug
	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	

WSP in
H-Ausführung

NEU



Bestellbezeichnung	Lager		Abmessungen (mm)			Träger- werkzeug
	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	TAWMNH 1400S16
1440T	●	□	14.4	7.6	5.0	
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	
1620T	●	□	16.2	7.8	6.0	TAWSN 1700S20
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	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	
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	

Bestellbezeichnung	Lager		Abmessungen (mm)			Träger- werkzeug
	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	
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	TAWMN 1900S25
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	TAWSN 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	TAWMN 2000S25
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	
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 2100S25
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	
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	TAWMN 2200S25
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	TAWSN 2300S25
2310T	□	□	23.1	10.4	8.0	
2320T	□	□	23.2	10.4	8.0	
2330T	□	□	23.3	10.4	8.0	
2340T	□	□	23.4	10.4	8.0	

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

Bestellbezeichnung	Lager		Abmessungen (mm)			Trägerwerkzeug
	VP15TF	VP10H	D1	L2	S1	
TAWNH2750T	●	□	27.5	12.3	10.0	TAWSN 2800S32
2760T	□	□	27.6	12.3	10.0	
2770T	□	□	27.7	12.3	10.0	
2780T	□	□	27.8	12.3	10.0	
2790T	□	□	27.9	12.3	10.0	
2800T	●	□	28.0	12.2	10.0	TAWMN 2800S32
2810T	□	□	28.1	12.2	10.0	
2820T	□	□	28.2	12.2	10.0	
2830T	□	□	28.3	12.2	10.0	
2840T	□	□	28.4	12.2	10.0	
2850T	●	□	28.5	12.1	10.0	TAWSN 2900S32
2860T	□	□	28.6	12.1	10.0	
2870T	□	□	28.7	12.1	10.0	
2880T	□	□	28.8	12.1	10.0	
2890T	□	□	28.9	12.1	10.0	
2900T	●	□	29.0	12.0	10.0	TAWMN 2900S32
2910T	□	□	29.1	12.0	10.0	
2920T	□	□	29.2	12.0	10.0	
2930T	□	□	29.3	12.0	10.0	
2940T	□	□	29.4	12.0	10.0	
2950T	●	□	29.5	11.9	10.0	TAWSN 3000S32
2960T	□	□	29.6	11.9	10.0	
2970T	□	□	29.7	11.9	10.0	
2980T	□	□	29.8	11.9	10.0	
2990T	□	□	29.9	11.9	10.0	
3000T	●	□	30.0	11.8	10.0	TAWMN 3000S32
3010T	□	□	30.1	11.8	10.0	
3020T	□	□	30.2	11.8	10.0	
3030T	□	□	30.3	11.8	10.0	
3040T	□	□	30.4	11.8	10.0	

Schnittdatenempfehlungen

Werkstoff	Bohrungsdurchm. Bedingung Härte	φ 14.0–φ 15.4		φ 15.5–φ 18.4		φ 18.5–φ 21.4	
		Vc (m/min)	Vorschub (mm/U)	Vc (m/min)	Vorschub (mm/U)	Vc (m/min)	Vorschub (mm/U)
P Baustahl	≤ 180HB	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 rostfreier Stahl	≤ 200HB	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 GG-Werkstoffe	Zugfestigkeit ≤ 350MPa	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)
	Zugfestigkeit ≤ 450MPa	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)

Werkstoff	Bohrungsdurchm. Bedingung Härte	φ 21.5–φ 24.4		φ 24.5–φ 27.4		φ 27.5–φ 30.4	
		Vc (m/min)	Vorschub (mm/U)	Vc (m/min)	Vorschub (mm/U)	Vc (m/min)	Vorschub (mm/U)
P Baustahl	≤ 180HB	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 rostfreier Stahl	≤ 200HB	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 GG-Werkstoffe	Zugfestigkeit ≤ 350MPa	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)
	Zugfestigkeit ≤ 450MPa	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)

Handhabung

WSP Einsatz

Schraube lösen.

- WSP einsetzen und auf korrekte Auflage achten
- Mit dem erforderlichen Anzugsmoment die Schraube befestigen
- Optische Prüfung, daß sich zwischen der WSP und dem Träger kein Spalt befindet.

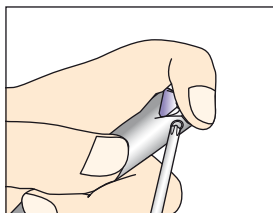


Abb. 1

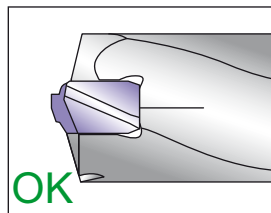
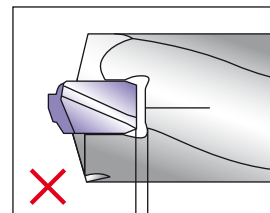


Abb. 2

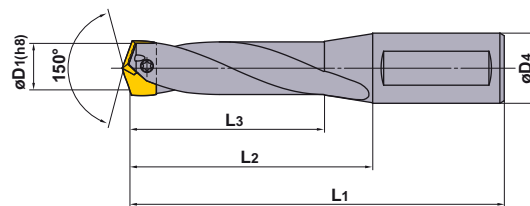


Spalt

WSP Wechsel

Vor dem WSP - Wechsel bitte die Kerbverzahnung des Trägerwerkzeugs säubern.

Für Paketbohrungen geeignet



Trägerwerkzeug

Bohrbereich D1 (mm)	Bohrtiefe (l/d)	Halter		WSP			Abmessungen (mm)				Klemmschraube	Schlüssel	Unterlegplatte	Schmierstoff
		Bestellbezeichnung	Lager	Bohrdurchm. D1 (mm)	Bestellbezeichnung	Lager 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
				NEU 24.5	TAWBH2450T	●								
	5	TAWMB2500S32	□	24.6	TAWB2460T	□	140.6	165.6	225.6	32	WS406023T	TKY25T	WPT4405	MK1KS
				NEU 24.6	TAWBH2460T	□								
26.5 26.7	3	TAWSB2700S32	●	26.5	TAWB2650T	□	94.6	115.6	175.6	32	WS406024T	TKY25T	WPT4405	MK1KS
				NEU 26.5	TAWBH2650T	□								
	5	TAWMB2700S32	□	26.7	TAWB2670T	★	151.6	175.6	235.6	32	WS406024T	TKY25T	WPT4405	MK1KS
				NEU 26.7	TAWBH2670T	●								

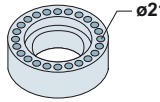
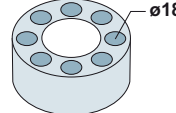
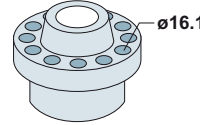
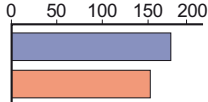
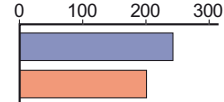
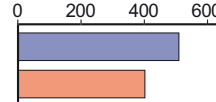
Bemerkung) Bitte um Kontaktaufnahme, falls andere Geometrien gewünscht werden.
(z.B. andere Durchmesser und Längen, sowie Bohrer mit Schneidkantenverfasungen können auf Wunsch hergestellt werden).

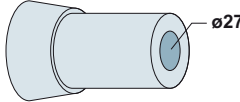
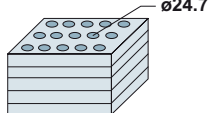
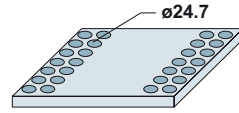
WSP

Form	Bestellbezeichnung	Lager VP15TF	Abmessungen (mm)			Halter	Feinschliffbreite (mm)	Abbildung
			D1	L2	S1			
	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			
	NEU TAWBH2450T	●	24.5	11.7	9.0	TAWSB2500S32 TAWMB2500S32	0.20–0.25	
	NEU 2460T	□	24.6	11.7	9.0			
	NEU 2470T	●	24.7	11.7	9.0			
	NEU 2650T	□	26.5	11.3	9.0	TAWSB2700S32 TAWMB2700S32		
	NEU 2670T	●	26.7	11.3	9.0			

Schnittdatenemfehlungen

Werkstoffe	Bohrungsdurchm.		φ24.5, φ24.6, φ24.7		φ26.5, φ26.7	
	Bedingung	Härte	Vc (m/min)	Vorschub (mm/U)	Vorschub (mm/U)	Vc (m/min)
P Baustahl	Zugfestigkeit ≤400-500Nmm2		70 (60–80)	0.30 (0.25–0.35)	70 (60–80)	0.30 (0.25–0.35)
	Zugfestigkeit ≤490-610Nmm2		65 (55–75)	0.30 (0.25–0.35)	65 (55–75)	0.30 (0.25–0.35)
	Zugfestigkeit ≤570-720Nmm2		60 (50–70)	0.30 (0.25–0.35)	60 (50–70)	0.30 (0.25–0.35)

	TAWMN2100S25	TAWMN1800S20	TAWSN1600S20
	TAWN2100T (VP15TF)	TAWN1800T (VP15TF)	TAWN1610T (VP15TF)
	ISO 34 CrMo4 	ISO C45 (200HB) 	DIN StE 285 
		70	80
		0.3	0.3
		1238	1582
		371	475
			

	TAWSN2700S32	TAWSB2500S32	TAWSB2500S32
	TAWN2700T (VP15TF)	TAWB2470T (VP15TF)	TAWB2470T (VP15TF)
	ISO 18 CrMo4 		
	80	77	60
	0.3	0.3	0.3
	943	992	773
	283	298	232
	