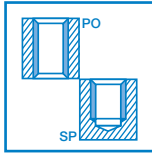


**UNC
UNF**

ISO529



MATERIAL GROUP	Vc (m/min)	
	BR-OX-NX-NI	TiN-TiCN PV15
1-5	5~15	
9-10	3~7	
13-14	5~15	
15-20	10~20	



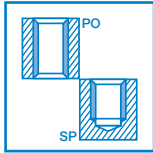
MATERIAL GROUPS / GRUPPI MATERIALE WERKSTOFFEGRUPPE / GROUPES MATIÈRE										1-5 13 14 15-20	1-5 9 10	1-5 13 14 15-20	1-5 9 10
										PO	PO	40°	40°
										HSSE	HSSE	HSSE	HSSE
										BR	OX	BR	OX
										2B	2B	2B	2B
										3.5P-5P B	3.5P-5P B	2P-3P C	2P-3P C
D	UNC UNF	D(mm)	Ø	L	l	*	l1	d	k	Stock	Stock	Stock	Stock
Nr. 4	40	2.845	2.3	48	11	5	18	3.15	2.5				EX
4	48	2.845	2.4	48	11	5	18	3.15	2.5				
5	40	3.175	2.6	48	11	5	18	3.15	2.5				EX
5	44	3.175	2.7	48	11	5	18	3.15	2.5	EX			EX
6	32	3.505	2.8	50	13	7	20	3.55	2.8				
6	40	3.505	2.9	50	13	7	20	3.55	2.8	EX			
8	32	4.166	3.5	53	13	7	21	4.5	3.55				
8	36	4.166	3.5	53	13	7	21	4.5	3.55	EX			EX
10	24	4.826	3.9	58	16	9	25	5	4	EX			
10	32	4.826	4.1	58	16	9	25	5	4				
12	24	5.486	4.5	62	17	9	26	5.6	4.5	EX			
12	28	5.486	4.6	62	17	9	26	5.6	4.5	EX			EX
1/4	20	6.350	5.2	66	19	11	30	6.3	5		EX		
1/4	28	6.350	5.5	66	19	11	30	6.3	5			EX	
5/16	18	7.938	6.6	72	22	12	35	8	6.3		EX		
5/16	24	7.938	6.9	72	22	12	35	8	6.3	EX	EX		
3/8	16	9.525	8	80	24	13	39	10	8			EX	
3/8	24	9.525	8.5	80	24	12	39	10	8		EX		EX

*1-7340..

● stock standard ○ non-standard stock △ on request EX stock exhaustion



Nr. 4		2	2	2	2
5	~ 8	3	3	2	2
10	~ 3/8	3	3	3	3



MATERIAL GROUP	Vc (m/min)	
	BR-OX-NX-NI	TiN-TiCN PV15
1-5	5~15	
9-10	3~7	
13-14	5~15	
15-20	10~20	



MATERIAL GROUPS / GRUPPI MATERIALE WERKSTOFFEGRUPPE / GROUPES MATIÈRE										1-5 13 14 15-20	1-5 9 10	1-5 13 14 15-20	1-5 9 10
										PO	PO	40°	40°
										HSSE BR	HSSE OX	HSSE BR	HSSE OX
										2B	2B	2B	2B
										3.5P-5P B	3.5P-5P B	2P-3P C	2P-3P C
D	UNC UNF	D(mm)	Ø	L	l	*	l2	d	k	Stock	Stock	Stock	Stock
7/16	14	11.112	9.4	85	25	14	31	8	6.3	EX	EX		
7/16	20	11.112	9.9	85	25	14	30	8	6.3				
1/2	13	12.700	10.75	89	29	15	35	9	7.1				EX
1/2	20	12.700	11.5	89	29	14	30	9	7.1	EX	EX		
9/16	12	14.288	12.25	95	30	18	36	11.2	9	EX	EX		EX
9/16	18	14.288	12.9	95	30	14	32	11.2	9				
5/8	11	15.875	13.6	102	32	18	38	12.5	10				
5/8	18	15.875	14.5	102	32	14	31	12.5	10		EX		EX
3/4	10	19.050	16.5	112	37	20	43	14	11.2				
3/4	16	19.050	17.5	112	37	14	35	14	11.2				
7/8	9	22.225	19.5	118	38	20	44	16	12.5	EX	EX		
7/8	14	22.225	20.5	118	38	18	39	16	12.5				EX
1	8	25.400	22.25	130	45	25	51	18	14		EX		
1	12	25.400	23.3	130	45	18	41	18	14				

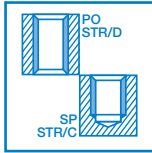
*1-7740..

● stock standard ○ non-standard stock △ on request EX stock exhaustion



7/16 ~ 5/8	3	3	3	3
3/4 ~ 1	3	3	4	4

M
ISO529



MATERIAL GROUP	Vc (m/min)	
	BR-OX-NX-NI	TiN-TiCN PV15
1-5	5~15	
9 - 10	3~7	
13 - 14	5~15	
15-20	10~20	



MATERIAL GROUPS / GRUPPI MATERIALE WERKSTOFFEGRUPPE / GROUPES MATIÈRE										1-5 13 14 15-20	1-5 9 10	1-5 13 14 16 19 20	1-5 13 14 16 19 20
										 HSSE BR ISO2 (6H) 3.5P-5P B	 HSSE OX ISO2 (6H) 2P-3P C	 HSS BR ISO2 (6H) 2P-3P C	 HSS BR ISO2 (6H) 3.5P-5P D
D	p	Ø	L	l	*	l1	d	k		Stock	Stock	Stock	Stock
M 2	0.4	1.6	41	8	8		2.5	2		○	○	○	○
2.5	0.45	2.1	44.5	9.5	9.5		2.8	2.24		○	○	○	○
3	0.5	2.5	48	11	5	18	3.15	2.5		○	●	○	○
4	0.7	3.3	53	13	7	21	4	3.15		●	●	○	○
5	0.8	4.2	58	16	9	25	5	4		●	●	○	○
6	1	5	66	19	11	30	6.3	5		●	●	○	○
8	1.25	6.8	72	22	12	35	8	6.3		●	●	○	○
10	1.5	8.5	80	24	13	39	10	8		●	●	○	○

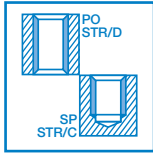
*l-7140..

● stock standard ○ non-standard stock △ on request EX stock exhaustion



M 2 ~ 2.5	2	2	3	3
3 ~ 6	3	3	3	3
8 ~ 10	3	3	4	4

M
ISO529



MATERIAL GROUP	Vc (m/min)	
	BR-OX-NX-NI	TiN-TiCN PV15
1-3-5	5~15	
9-10	3~7	
13-14	5~15	
15-20	10~20	



MATERIAL GROUPS / GRUPPI MATERIALE WERKSTOFFEGRUPPE / GROUPES MATIÈRE								1-5 13 14 15-20	1-5 9 10	1-5 13 14 16 19 20	1-5 13 14 16 19 20
								HSSE BR	HSSE OX	HSS BR	HSS BR
								ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
								3.5P-5P B	2P-3P C	2P-3P C	3.5P-5P D
D	p	Ø	L	l	*	d	k	Stock	Stock	Stock	Stock
M 12	1.75	10.3	89	29	15	9	7.1	●	●	○	○
14	2	12	95	30	18	11.2	9	○	○	○	○
16	2	14	102	32	18	12.5	10	●	●	○	○
18	2.5	15.5	112	37	20	14	11.2	○	○	○	○
20	2.5	17.5	112	37	20	14	11.2	○	●	○	○

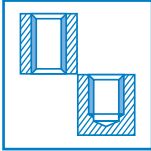
*1-7540..

● stock standard ○ non-standard stock △ on request EX stock exhaustion



M 12 ~ 16	3	3	4	4
18 ~ 24	3	4	4	4
27 ~ 30	4	4	4	4

**UNC
UNF**
ISO529



MATERIAL GROUP	Vc (m/min)	
	HAND	MACHINE (8320)
1-5		5~10
13-14		5~10
16-19-20		5~10



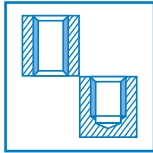
MATERIAL GROUPS / GRUPPI MATERIALE WERKSTOFFEGRUPPE / GROUPES MATIÈRE								1-5 13 14 16 19 20	1-5 13 14 16 19 20	1-5 13 14 16 19 20	
								STR	STR	STR	
								HSS	HSS	HSS	
								BR	BR	BR	
								2B	2B	2B	
								D+C SET	2P-3P C	3.5P-5P D	
D	UNC UNF	D(mm)	Ø	L	l	l1	d	k	Stock	Stock	Stock
Nr. 1	64	1.854	1.55	41	8		2.5	2	EX		
1	72	1.854	1.55	41	8		2.5	2			
2	56	2.184	1.8	44.5	9.5		2.8	2.24			
2	64	2.184	1.85	44.5	9.5		2.8	2.24	EX		
3	48	2.515	2.1	44.5	9.5		2.8	2.24	EX		
3	56	2.515	2.1	44.5	9.5		2.8	2.24	EX		
4	40	2.845	2.3	48	11	18	3.15	2.5	EX	EX	EX
4	48	2.845	2.4	48	11	18	3.15	2.5	EX	EX	EX
5	40	3.175	2.6	48	11	18	3.15	2.5	EX	EX	EX
5	44	3.175	2.7	48	11	18	3.15	2.5	EX		
6	32	3.505	2.8	50	13	20	3.55	2.8	EX	EX	EX
6	40	3.505	2.9	50	13	20	3.55	2.8	EX	EX	EX
8	32	4.166	3.5	53	13	21	4.5	3.55	EX		
8	36	4.166	3.5	53	13	21	4.5	3.55	EX	EX	EX
10	24	4.826	3.9	58	16	25	5	4	EX	EX	EX
10	32	4.826	4.1	58	16	25	5	4			
12	24	5.486	4.5	62	17	26	5.6	4.5	EX	EX	EX
12	28	5.486	4.6	62	17	26	5.6	4.5	EX	EX	EX
1/4	20	6.350	5.2	66	19	30	6.3	5		EX	EX
1/4	28	6.350	5.5	66	19	30	6.3	5	EX	EX	EX
5/16	18	7.938	6.6	72	22	35	8	6.3	EX	EX	EX
5/16	24	7.938	6.9	72	22	35	8	6.3	EX		
3/8	16	9.525	8	80	24	39	10	8			
3/8	24	9.525	8.5	80	24	39	10	8			

● stock standard ○ non-standard stock △ on request EX stock exhaustion



Nr. 0	~4	2	2	2
5	~ 1/4	3	3	3
5/16	~ 3/8	4	4	4

UNC
UNF
ISO529



MATERIAL GROUP	Vc (m/min)	
	HAND	MACHINE (8720)
1-5		5~10
13-14		5~10
16-19-20		5~10



MATERIAL GROUPS / GRUPPI MATERIALE WERKSTOFFEGRUPPE / GROUPES MATIÈRE								1-5 13 14 16 19 20	1-5 13 14 16 19 20	1-5 13 14 16 19 20
								STR	STR	STR
								HSS	HSS	HSS
								BR	BR	BR
								2B	2B	2B
								D+C SET	2P~3P C	3.5P~5P D
D	UNC UNF	D(mm)	Ø	L	l	d	k	Stock	Stock	Stock
7/16	14	11.112	9.4	85	25	8	6.3			
7/16	20	11.112	9.9	85	25	8	6.3			
1/2	13	12.700	10.75	89	29	9	7.1			
1/2	20	12.700	11.5	89	29	9	7.1			
9/16	12	14.288	12.25	95	30	11.2	9			
9/16	18	14.288	12.9	95	30	11.2	9			
5/8	11	15.875	13.6	102	32	12.5	10			
5/8	18	15.875	14.5	102	32	12.5	10	EX	EX	EX
3/4	10	19.050	16.5	112	37	14	11.2	EX	EX	EX
3/4	16	19.050	17.5	112	37	14	11.2			
7/8	9	22.225	19.5	118	38	16	12.5	EX	EX	EX
7/8	14	22.225	20.5	118	38	16	12.5	EX	EX	EX
1	8	25.400	22.25	130	45	18	14	EX	EX	EX
1	12	25.400	23.3	130	45	18	14	EX	EX	EX

● stock standard ○ non-standard stock △ on request EX stock exhaustion



7/16 ~ 1

4

4

4