











OSAWA

DRILLS & END MILLS



TYPHOON PU-HPU, GA-HGA Special Action

06 2022

	ITEM No.	PAGE	
PU-HPU universal application 3xD - 5xD	353PU	4	
	353HPU	4	
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GA/HGA general purpose 3xD - 5xD	373GA	4	
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	375GA	7	
	375HGA	7	

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3XD	DIN 6537K	PU	MG PV250	140°+C45°	30°
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3XD	DIN 6537K	HPU	MG PV250	140°+C45°	30°
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373GA **NEW**

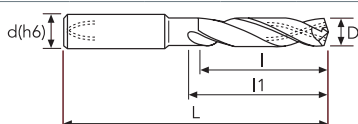


3XD	DIN 6537K	GA	MG PV400	140°	30°
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373HGA **NEW**



3XD	DIN 6537K	HGA	MG PV400	140°	30°
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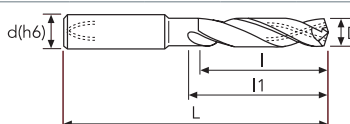


					353PU	353HPU	373GA	373HGA
P					★	★	★	★
M					★	★		☆
K					★	★	★	★
N					☆	☆		
S					★	★		
H								
D(m7)	d(h6)	l	l1	L	Kč	Kč	Kč	Kč
3.00	6	14	20	62	400	569	400	569
3.10	6	14	20	62	400	569	400	569
3.20	6	14	20	62	400	569	400	569
3.30	6	14	20	62	400	569	400	569
3.40	6	14	20	62	400	569	400	569
3.50	6	14	20	62	400	569	400	569
3.60	6	14	20	62	400	569	400	569
3.70	6	14	20	62	400	569	400	569
3.80	6	17	24	66	400	569	400	569
3.90	6	17	24	66	400	569	400	569
4.00	6	17	24	66	400	569	400	569
4.10	6	17	24	66	400	569	400	569
4.20	6	17	24	66	400	569	400	569
4.30	6	17	24	66	400	569	400	569
4.40	6	17	24	66	400	569	400	569
4.50	6	17	24	66	400	569	400	569
4.60	6	17	24	66	400	569	400	569
4.70	6	17	24	66	400	569	400	569
4.80	6	20	28	66	400	569	400	569
4.90	6	20	28	66	400	569	400	569
5.00	6	20	28	66	400	569	400	569
5.10	6	20	28	66	400	569	400	569
5.20	6	20	28	66	400	569	400	569
5.30	6	20	28	66	400	569	400	569
5.40	6	20	28	66	400	569	400	569
5.50	6	20	28	66	400	569	400	569
5.60	6	20	28	66	400	569	400	569
5.70	6	20	28	66	400	569	400	569
5.80	6	20	28	66	400	569	400	569
5.90	6	20	28	66	400	569	400	569
6.00	6	20	28	66	400	569	400	569
6.10	8	24	34	79	485	773	485	773
6.20	8	24	34	79	485	773	485	773
6.30	8	24	34	79	485	773	485	773
6.40	8	24	34	79	485	773	485	773
6.50	8	24	34	79	485	773	485	773
6.60	8	24	34	79	485	773	485	773
6.70	8	24	34	79	485	773	485	773
6.80	8	24	34	79	485	773	485	773
6.90	8	24	34	79	485	773	485	773
7.00	8	24	34	79	485	773	485	773
7.10	8	29	41	79	485	773	485	773
7.20	8	29	41	79	485	773	485	773
7.30	8	29	41	79	485	773	485	773
7.40	8	29	41	79	485	773	485	773
7.50	8	29	41	79	485	773	485	773



					353PU	353HPU	373GA	373HGA
P					★	★	★	★
M					★	★		☆
K					★	★	★	★
N					☆	☆		
S					★	★		
H								
D(m7)	d(h6)	I	I1	L	Kč	Kč	Kč	Kč
7.60	8	29	41	79	485	773	485	773
7.70	8	29	41	79	485	773	485	773
7.80	8	29	41	79	485	773	485	773
7.90	8	29	41	79	485	773	485	773
8.00	8	29	41	79	485	773	485	773
8.10	10	35	47	89	610	866	610	866
8.20	10	35	47	89	610	866	610	866
8.30	10	35	47	89	610	866	610	866
8.40	10	35	47	89	610	866	610	866
8.50	10	35	47	89	610	866	610	866
8.60	10	35	47	89	610	866	610	866
8.70	10	35	47	89	610	866	610	866
8.80	10	35	47	89	610	866	610	866
8.90	10	35	47	89	610	866	610	866
9.00	10	35	47	89	610	866	610	866
9.10	10	35	47	89	610	866	610	866
9.20	10	35	47	89	610	866	610	866
9.30	10	35	47	89	610	866	610	866
9.40	10	35	47	89	610	866	610	866
9.50	10	35	47	89	610	866	610	866
9.60	10	35	47	89	610	866	610	866
9.70	10	35	47	89	610	866	610	866
9.80	10	35	47	89	610	866	610	866
9.90	10	35	47	89	610	866	610	866
10.00	10	35	47	89	610	866	610	866
10.10	12	40	55	102	804	1267	804	1267
10.20	12	40	55	102	804	1228	804	1228
10.30	12	40	55	102	804	1228	804	1228
10.40	12	40	55	102	833	1228	833	1228
10.50	12	40	55	102	804	1228	804	1228
10.60	12	40	55	102	783	1267	783	1267
10.70	12	40	55	102	833	1267	833	1267
10.80	12	40	55	102	804	1228	804	1228
10.90	12	40	55	102	815	1267	815	1267
11.00	12	40	55	102	804	1228	804	1228
11.10	12	40	55	102	815	1267	815	1267
11.20	12	40	55	102	804	1228	804	1228
11.30	12	40	55	102	783	1228	783	1228
11.40	12	40	55	102	815	1267	815	1267
11.50	12	40	55	102	804	1228	804	1228
11.60	12	40	55	102	815	1267	815	1267
11.70	12	40	55	102	815	1267	815	1267
11.80	12	40	55	102	804	1228	804	1228
11.90	12	40	55	102	815	1267	815	1267
12.00	12	40	55	102	804	1228	804	1228
12.10	14	43	60	107	1259	1771	1259	1771
12.20	14	43	60	107	1145	1716	1145	1716
12.30	14	43	60	107	1259	1771	1259	
12.40	14	43	60	107	1259	1771	1259	
12.50	14	43	60	107	1145	1716	1145	1716
12.60	14	43	60	107	1259	1771	1259	
12.70	14	43	60	107	1259	1686	1259	1686
12.80	14	43	60	107	1259	1716	1259	1716
12.90	14	43	60	107	1259	1771	1259	
13.00	14	43	60	107	1145	1716	1145	1716
13.10	14	43	60	107	1259	1771		
13.20	14	43	60	107	1259	1771		
13.30	14	43	60	107	1259	1716		
13.40	14	43	60	107	1259	1771		
13.50	14	43	60	107	1145	1716	1145	1716
13.60	14	43	60	107	1259	1771		
13.70	14	43	60	107	1259	1686	1145	1716
13.80	14	43	60	107	1259	1716	1259	1716
13.90	14	43	60	107	1259	1771		





					353PU	353HPU	373GA	373HGA
P					★	★	★	★
M					★	★		☆
K					★	★	★	★
N					☆	☆		
S					★	★		
H								
D(m7)	d(h6)	l	l1	L	Kč	Kč	Kč	Kč
14.00	14	43	60	107	1145	1716	1145	1716
14.10	16	45	65	115	1589	2041		
14.20	16	45	65	115	1589	2041	1589	2041
14.30	16	45	65	115	1589	2041		
14.50	16	45	65	115	1444	1977	1444	1977
14.60	16	45	65	115	1589	2041		
14.70	16	45	65	115	1589		1589	
14.80	16	45	65	115	1589	2041	1589	2041
15.00	16	65	65	115	1444	1977	1444	1977
15.10	16	65	65	115	1589	2041		
15.20	16	65	65	115	1589	2041	1589	2041
15.30	16	65	65	115	1589	1977	1589	1977
15.50	16	65	65	115	1444	1977	1444	1977
15.60	16	65	65	115	1589	2041		
15.70	16	65	65	115	1589	2041	1589	
15.80	16	65	65	115	1589	1977	1589	1977
16.00	16	65	65	115	1444	1977	1444	1977
16.10	18	73	73	123		3480		
16.20	18	73	73	123		3480		
16.30	18	73	73	123		3480		
16.50	18	73	73	123	1995	3371	1995	3371
16.70	18	73	73	123		3480		
16.80	18	73	73	123		3480		
17.00	18	73	73	123	1995	3371	1995	3371
17.10	18	73	73	123		3480		
17.20	18	73	73	123		3480		
17.50	18	73	73	123	1995	3371	1995	3371
17.60	18	73	73	123		3480		
17.70	18	73	73	123		3480		
17.80	18	73	73	123		3480		
18.00	18	73	73	123	1995	3371	1995	3371
18.10	20	79	79	131		3808		
18.20	20	79	79	131		3808		
18.30	20	79	79	131		3808		
18.50	20	79	79	131	2525	3690	2525	3690
18.60	20	79	79	131		3808		
18.70	20	79	79	131		3808		
18.80	20	79	79	131		3808		
19.00	20	79	79	131	2525	3690	2525	3690
19.20	20	79	79	131		3808		
19.30	20	79	79	131		3808		
19.50	20	79	79	131	2525	3690	2525	3690
19.60	20	79	79	131		3808		
19.80	20	79	79	131		3808		
20.00	20	79	79	131	2525	3690	2525	3690



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5XD	DIN 6537L	PU	MG PV250	140°+C45°	30°
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355HPU - catalogue page 52



5XD	DIN 6537L	HPU	MG PV250	140°+C45°	30°
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375GA **NEW**

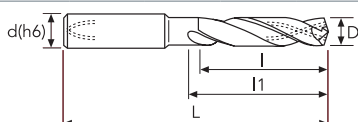


5XD	DIN 6537L	GA	MG PV400	140°	30°
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375HGA **NEW**

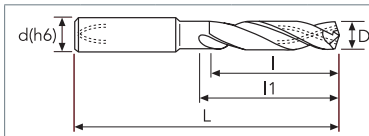


5XD	DIN 6537L	HGA	MG PV400	140°	30°
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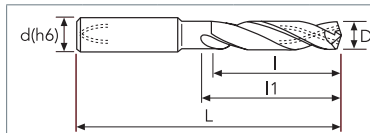
					355PU	355HPU	375GA	375HGA
P					★	★	★	★
M					★	★		☆
K					★	★	★	★
N					☆	☆		
S					★	★		
H								
D(m7)	d(h6)	l	l1	L	Kč	Kč	Kč	Kč
3.00	6	23	28	66	447	720	447	720
3.10	6	23	28	66	447	720	447	720
3.20	6	23	28	66	447	720	447	720
3.25	6	23	28	66		744		
3.30	6	23	28	66	447	720	447	720
3.40	6	23	28	66	447	720	447	720
3.50	6	23	28	66	447	720	447	720
3.60	6	23	28	66	447	720	447	720
3.70	6	23	28	66	447	720	447	720
3.80	6	29	36	74	447	720	447	720
3.90	6	29	36	74	447	720	447	720
4.00	6	29	36	74	447	720	447	720
4.10	6	29	36	74	447	720	447	720
4.20	6	29	36	74	447	720	447	720
4.30	6	29	36	74	447	720	447	720
4.40	6	29	36	74	447	720	447	720
4.50	6	29	36	74	447	720	447	720
4.60	6	29	36	74	447	720	447	720
4.65	6	29	36	74		744		
4.70	6	29	36	74	447	720	447	720
4.80	6	35	44	82	447	720	447	720
4.90	6	35	44	82	447	720	447	720
5.00	6	35	44	82	447	720	447	720
5.10	6	35	44	82	447	720	447	720
5.20	6	35	44	82	447	720	447	720
5.30	6	35	44	82	447	720	447	720
5.40	6	35	44	82	447	720	447	720
5.50	6	35	44	82	447	720	447	720
5.55	6	35	44	82		744		
5.60	6	35	44	82	447	720	447	720
5.70	6	35	44	82	447	720	447	720
5.80	6	35	44	82	447	720	447	720
5.90	6	35	44	82	447	720	447	720
6.00	6	35	44	82	447	720	447	720
6.10	8	43	53	91	537	795	537	795
6.20	8	43	53	91	537	795	537	795
6.30	8	43	53	91	537	795	537	795
6.40	8	43	53	91	537	795	537	795
6.50	8	43	53	91	537	795	537	795
6.60	8	43	53	91	537	795	537	795
6.70	8	43	53	91	537	795	537	795
6.80	8	43	53	91	537	795	537	795
6.90	8	43	53	91	537	795	537	795
7.00	8	43	53	91	537	795	537	795
7.10	8	43	53	91	537	795	537	795
7.20	8	43	53	91	537	795	537	795





						355PU	355HPU	375GA	375HGA
P						★	★	★	★
M						★	★		☆
K						★	★	★	★
N						☆	☆		
S						★	★		
H									
D(m7)	d(h6)	l	l1	L		Kč	Kč	Kč	Kč
7.30	8	43	53	91		537	795	537	795
7.40	8	43	53	91		537	795	537	795
7.45	8	43	53	91			821		
7.50	8	43	53	91		537	795	537	795
7.60	8	43	53	91		537	795	537	795
7.70	8	43	53	91		537	795	537	795
7.80	8	43	53	91		537	795	537	795
7.90	8	43	53	91		537	795	537	795
8.00	8	43	53	91		537	795	537	795
8.10	10	49	61	103		679	958	679	958
8.20	10	49	61	103		679	958	679	958
8.30	10	49	61	103		679	958	679	958
8.40	10	49	61	103		679	958	679	958
8.50	10	49	61	103		679	958	679	958
8.60	10	49	61	103		679	958	679	958
8.70	10	49	61	103		679	958	679	958
8.80	10	49	61	103		679	958	679	958
8.90	10	49	61	103		679	958	679	958
9.00	10	49	61	103		679	958	679	958
9.10	10	49	61	103		679	958	679	958
9.20	10	49	61	103		679	958	679	958
9.25	10	49	61	103			990		
9.30	10	49	61	103		679	958	679	958
9.35	10	49	61	103			990		
9.40	10	49	61	103		679	958	679	958
9.45	10	49	61	103			990		
9.50	10	61	61	103		679	958	679	958
9.60	10	61	61	103		679	958	679	958
9.70	10	61	61	103		679	958	679	958
9.80	10	61	61	103		679	958	679	958
9.90	10	61	61	103		679	958	679	958
10.00	10	61	61	103		679	958	679	958
10.10	12	71	71	118		1110	1435	1110	1435
10.20	12	71	71	118		1037	1384	1037	1384
10.30	12	71	71	118		1037	1435	1037	1435
10.40	12	71	71	118		1110	1444	1110	1444
10.50	12	71	71	118		1037	1384	1037	1384
10.60	12	71	71	118		1110	1444	1110	1444
10.70	12	71	71	118		1110	1444	1110	1444
10.80	12	71	71	118		1037	1384	1037	1384
10.90	12	71	71	118		1110	1444	1110	1444
11.00	12	71	71	118		1037	1384	1037	1384
11.10	12	71	71	118		1110	1444	1110	1444
11.20	12	71	71	118		1037	1384	1037	1384
11.25	12	71	71	118			1444		
11.30	12	71	71	118		1037	1384	1037	1384
11.40	12	71	71	118		1110	1444	1110	1444
11.50	12	71	71	118		1037	1384	1037	1384
11.60	12	71	71	118		1110	1444	1110	1444
11.70	12	71	71	118		1110	1444	1110	1444
11.80	12	71	71	118		1037	1384	1037	1384
11.90	12	71	71	118		1110	1444	1110	1444
12.00	12	71	71	118		1037	1384	1037	1384
12.10	14	77	77	124		1429	1910		1910
12.20	14	77	77	124		1370	1831		1831
12.30	14	77	77	124			1910		1910
12.40	14	77	77	124			1910		1910
12.50	14	77	77	124		1370	1831	1370	1831
12.60	14	77	77	124			1910		1910
12.70	14	77	77	124		1370	1831		1831
12.80	14	77	77	124		1370	1831		1831
12.90	14	77	77	124			1910		
13.00	14	77	77	124		1370	1831	1370	1831
13.10	14	77	77	124		1429	1910		





						355PU	355HPU	375GA	375HGA
P						★	★	★	★
M						★	★		☆
K						★	★	★	★
N						☆	☆		
S						★	★		
H									
D(m7)	d(h6)	l	l1	L		Kč	Kč	Kč	Kč
13.20	14	77	77	124		1429	1910		
13.30	14	77	77	124		1370	1831		
13.40	14	77	77	124			1910		
13.50	14	77	77	124		1370	1831	1370	1831
13.60	14	77	77	124			1910		
13.70	14	77	77	124		1370	1831		1831
13.80	14	77	77	124		1370	1831		1831
13.90	14	77	77	124			1910		1910
14.00	14	77	77	124		1370	1831	1370	1831
14.10	16	83	83	133			2446		2446
14.20	16	83	83	133			2308		2308
14.30	16	83	83	133			2446		
14.40	16	83	83	133			2446		
14.50	16	83	83	133		1646	2345	1646	2345
14.60	16	83	83	133			2446		
14.70	16	83	83	133			2446		2446
14.80	16	83	83	133			2446		2446
14.90	16	83	83	133			2446		
15.00	16	83	83	133		1646	2345	1646	2345
15.10	16	83	83	133			2446		2446
15.20	16	83	83	133			2446		2446
15.30	16	83	83	133		1703	2345		2345
15.40	16	83	83	133			2446		
15.50	16	83	83	133		1646	2345	1646	2345
15.60	16	83	83	133			2446		
15.70	16	83	83	133			2446		2446
15.80	16	83	83	133		1703	2345		2345
15.90	16	83	83	133			2446		
16.00	16	83	83	133		1646	2345	1646	2345
16.10	18	93	93	143			3773		
16.20	18	93	93	143			3773		
16.30	18	93	93	143			3773		
16.40	18	93	93	143			3773		
16.50	18	93	93	143		2391	3617	2391	3617
16.60	18	93	93	143			3773		
16.70	18	93	93	143			3773		
16.80	18	93	93	143			3773		
16.90	18	93	93	143			3773		
17.00	18	93	93	143		2391	3617	2391	3617
17.10	18	93	93	143			3773		
17.20	18	93	93	143			3773		
17.30	18	93	93	143			3773		
17.40	18	93	93	143			3773		
17.50	18	93	93	143		2391	3617	2391	3617
17.60	18	93	93	143			3773		
17.70	18	93	93	143			3773		
17.80	18	93	93	143			3773		
17.90	18	93	93	143			3773		
18.00	18	93	93	143		2391	3617	2391	3617
18.10	20	101	101	153			4396		
18.20	20	101	101	153			4396		
18.30	20	101	101	153			4396		
18.40	20	101	101	153			4396		
18.50	20	101	101	153		3094	4214	3094	4214
18.60	20	101	101	153			4396		
18.70	20	101	101	153			4396		
18.80	20	101	101	153			4396		
18.90	20	101	101	153			4396		
19.00	20	101	101	153		3094	4214	3094	4214
19.10	20	101	101	153			4396		
19.20	20	101	101	153			4396		
19.30	20	101	101	153			4396		
19.40	20	101	101	153			4396		
19.50	20	101	101	153		3094	4214	3094	4214



					355PU	355HPU	375GA	375HGA
P					★	★	★	★
M					★	★		☆
K					★	★	★	★
N					☆	☆		
S					★	★		
H								
D(m7)	d(h6)	l	l1	L	Kč	Kč	Kč	Kč
19.60	20	101	101	153		4396		
19.70	20	101	101	153		4396		
19.80	20	101	101	153		4396		
19.90	20	101	101	153		4396		
20.00	20	101	101	153	3094	4214	3094	4214



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