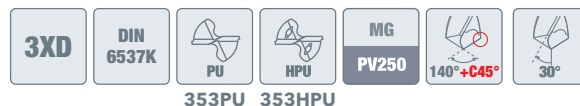


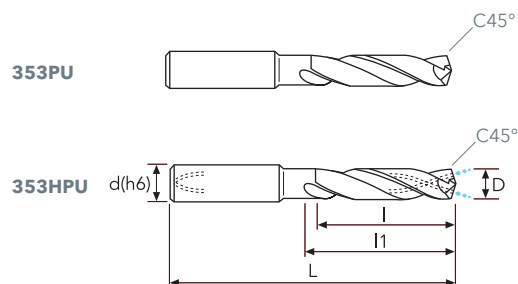
353PU-353HPU

universal application, high productivity,
PU and HPU (through coolant)



P	M	K	N	S	H
★	★	★	☆	★	

★ 1st choice ☆ suitable



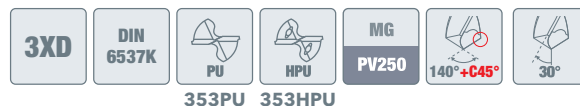
D(m7)	D Tol.	d(h6)	l	l1	L	353PU		353HPU	
						EDP No.	Stock	EDP No.	Stock
3.00	+0.012/+0.002	6	14	20	62	353PU0300	h	353HPU0300	h
3.10	+0.016/+0.004	6	14	20	62	353PU0310	h	353HPU0310	h
3.20	+0.016/+0.004	6	14	20	62	353PU0320	h	353HPU0320	h
3.30	+0.016/+0.004	6	14	20	62	353PU0330	h	353HPU0330	h
3.40	+0.016/+0.004	6	14	20	62	353PU0340	h	353HPU0340	h
3.50	+0.016/+0.004	6	14	20	62	353PU0350	h	353HPU0350	h
3.60	+0.016/+0.004	6	14	20	62	353PU0360	h	353HPU0360	h
3.70	+0.016/+0.004	6	14	20	62	353PU0370	h	353HPU0370	h
3.80	+0.016/+0.004	6	17	24	66	353PU0380	h	353HPU0380	h
3.90	+0.016/+0.004	6	17	24	66	353PU0390	h	353HPU0390	h
4.00	+0.016/+0.004	6	17	24	66	353PU0400	h	353HPU0400	h
4.10	+0.016/+0.004	6	17	24	66	353PU0410	h	353HPU0410	h
4.20	+0.016/+0.004	6	17	24	66	353PU0420	h	353HPU0420	h
4.30	+0.016/+0.004	6	17	24	66	353PU0430	h	353HPU0430	h
4.40	+0.016/+0.004	6	17	24	66	353PU0440	h	353HPU0440	h
4.50	+0.016/+0.004	6	17	24	66	353PU0450	h	353HPU0450	h
4.60	+0.016/+0.004	6	17	24	66	353PU0460	h	353HPU0460	h
4.70	+0.016/+0.004	6	17	24	66	353PU0470	h	353HPU0470	h
4.80	+0.016/+0.004	6	20	28	66	353PU0480	h	353HPU0480	h
4.90	+0.016/+0.004	6	20	28	66	353PU0490	h	353HPU0490	h
5.00	+0.016/+0.004	6	20	28	66	353PU0500	h	353HPU0500	h
5.10	+0.016/+0.004	6	20	28	66	353PU0510	h	353HPU0510	h
5.20	+0.016/+0.004	6	20	28	66	353PU0520	h	353HPU0520	h
5.30	+0.016/+0.004	6	20	28	66	353PU0530	h	353HPU0530	h
5.40	+0.016/+0.004	6	20	28	66	353PU0540	h	353HPU0540	h
5.50	+0.016/+0.004	6	20	28	66	353PU0550	h	353HPU0550	h
5.60	+0.016/+0.004	6	20	28	66	353PU0560	h	353HPU0560	h
5.70	+0.016/+0.004	6	20	28	66	353PU0570	h	353HPU0570	h
5.80	+0.016/+0.004	6	20	28	66	353PU0580	h	353HPU0580	h
5.90	+0.016/+0.004	6	20	28	66	353PU0590	h	353HPU0590	h
6.00	+0.016/+0.004	6	20	28	66	353PU0600	h	353HPU0600	h
6.10	+0.021/+0.006	8	24	34	79	353PU0610	h	353HPU0610	h
6.20	+0.021/+0.006	8	24	34	79	353PU0620	h	353HPU0620	h
6.30	+0.021/+0.006	8	24	34	79	353PU0630	h	353HPU0630	h
6.40	+0.021/+0.006	8	24	34	79	353PU0640	h	353HPU0640	h
6.50	+0.021/+0.006	8	24	34	79	353PU0650	h	353HPU0650	h
6.60	+0.021/+0.006	8	24	34	79	353PU0660	h	353HPU0660	h
6.70	+0.021/+0.006	8	24	34	79	353PU0670	h	353HPU0670	h
6.80	+0.021/+0.006	8	24	34	79	353PU0680	h	353HPU0680	h

INFO
TYPHOON TA-HTA-4HTA
TYPHOON PU-HPU
TYPHOON SUH
TYPHOON ALH
TYPHOON HRC
TYPHOON SUH MINI
TYPHOON HL
C-SD-TA
LFTA
SUTA
HSS-HSS/CO DRILLS
G2
MDTA
HF VH/UP
MEF
ALU
MEX
UH
HSS/CO-HSSP END MILLS
CARBIDE BURRS

h stock standard f non-standard stock m stock exhaustion

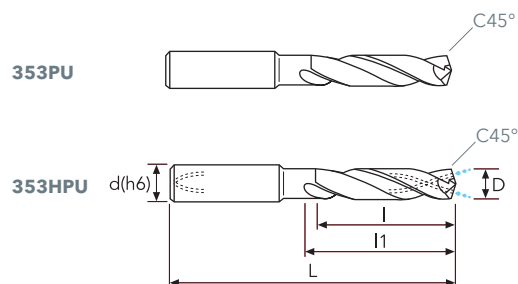
353PU-353HPU

universal application, high productivity,
PU and HPU (through coolant)



P	M	K	N	S	H
★	★	★	☆	★	

★ 1st choice ☆ suitable

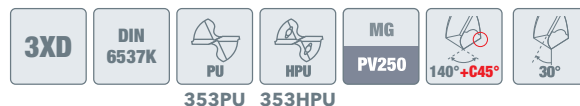


D(m7)	D Tol.	d(h6)	l	l1	L	353PU		353HPU	
						EDP No.	Stock	EDP No.	Stock
6.90	+0.021/+0.006	8	24	34	79	353PU0690	h	353HPU0690	h
7.00	+0.021/+0.006	8	24	34	79	353PU0700	h	353HPU0700	h
7.10	+0.021/+0.006	8	29	41	79	353PU0710	h	353HPU0710	h
7.20	+0.021/+0.006	8	29	41	79	353PU0720	h	353HPU0720	h
7.30	+0.021/+0.006	8	29	41	79	353PU0730	h	353HPU0730	h
7.40	+0.021/+0.006	8	29	41	79	353PU0740	h	353HPU0740	h
7.50	+0.021/+0.006	8	29	41	79	353PU0750	h	353HPU0750	h
7.60	+0.021/+0.006	8	29	41	79	353PU0760	h	353HPU0760	h
7.70	+0.021/+0.006	8	29	41	79	353PU0770	h	353HPU0770	h
7.80	+0.021/+0.006	8	29	41	79	353PU0780	h	353HPU0780	h
7.90	+0.021/+0.006	8	29	41	79	353PU0790	h	353HPU0790	h
8.00	+0.021/+0.006	8	29	41	79	353PU0800	h	353HPU0800	h
8.10	+0.021/+0.006	10	35	47	89	353PU0810	h	353HPU0810	h
8.20	+0.021/+0.006	10	35	47	89	353PU0820	h	353HPU0820	h
8.30	+0.021/+0.006	10	35	47	89	353PU0830	h	353HPU0830	h
8.40	+0.021/+0.006	10	35	47	89	353PU0840	h	353HPU0840	h
8.50	+0.021/+0.006	10	35	47	89	353PU0850	h	353HPU0850	h
8.60	+0.021/+0.006	10	35	47	89	353PU0860	h	353HPU0860	h
8.70	+0.021/+0.006	10	35	47	89	353PU0870	h	353HPU0870	h
8.80	+0.021/+0.006	10	35	47	89	353PU0880	h	353HPU0880	h
8.90	+0.021/+0.006	10	35	47	89	353PU0890	h	353HPU0890	h
9.00	+0.021/+0.006	10	35	47	89	353PU0900	h	353HPU0900	h
9.10	+0.021/+0.006	10	35	47	89	353PU0910	h	353HPU0910	h
9.20	+0.021/+0.006	10	35	47	89	353PU0920	h	353HPU0920	h
9.30	+0.021/+0.006	10	35	47	89	353PU0930	h	353HPU0930	h
9.40	+0.021/+0.006	10	35	47	89	353PU0940	h	353HPU0940	h
9.50	+0.021/+0.006	10	35	47	89	353PU0950	h	353HPU0950	h
9.60	+0.021/+0.006	10	35	47	89	353PU0960	h	353HPU0960	h
9.70	+0.021/+0.006	10	35	47	89	353PU0970	h	353HPU0970	h
9.80	+0.021/+0.006	10	35	47	89	353PU0980	h	353HPU0980	h
9.90	+0.021/+0.006	10	35	47	89	353PU0990	h	353HPU0990	h
10.00	+0.021/+0.006	10	35	47	89	353PU1000	h	353HPU1000	h
10.10	+0.025/+0.007	12	40	55	102	353PU1010	h	353HPU1010	h
10.20	+0.025/+0.007	12	40	55	102	353PU1020	h	353HPU1020	h
10.30	+0.025/+0.007	12	40	55	102	353PU1030	h	353HPU1030	h
10.40	+0.025/+0.007	12	40	55	102	353PU1040	h	353HPU1040	h
10.50	+0.025/+0.007	12	40	55	102	353PU1050	h	353HPU1050	h
10.60	+0.025/+0.007	12	40	55	102	353PU1060	h	353HPU1060	h
10.70	+0.025/+0.007	12	40	55	102	353PU1070	h	353HPU1070	h

h stock standard f non-standard stock m stock exhaustion

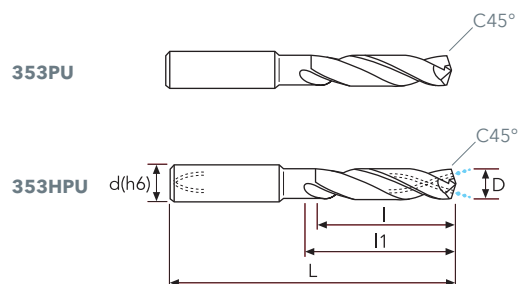
353PU-353HPU

universal application, high productivity,
PU and HPU (through coolant)



P	M	K	N	S	H
★	★	★	☆	★	

★ 1st choice ☆ suitable

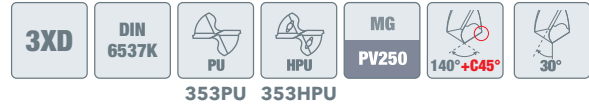


D(m7)	D Tol.	d(h6)	l	l1	L	353PU		353HPU	
						EDP No.	Stock	EDP No.	Stock
10.80	+0.025/+0.007	12	40	55	102	353PU1080	h	353HPU1080	h
10.90	+0.025/+0.007	12	40	55	102	353PU1090	h	353HPU1090	h
11.00	+0.025/+0.007	12	40	55	102	353PU1100	h	353HPU1100	h
11.10	+0.025/+0.007	12	40	55	102	353PU1110	h	353HPU1110	h
11.20	+0.025/+0.007	12	40	55	102	353PU1120	h	353HPU1120	h
11.30	+0.025/+0.007	12	40	55	102	353PU1130	h	353HPU1130	h
11.40	+0.025/+0.007	12	40	55	102	353PU1140	h	353HPU1140	h
11.50	+0.025/+0.007	12	40	55	102	353PU1150	h	353HPU1150	h
11.60	+0.025/+0.007	12	40	55	102	353PU1160	h	353HPU1160	h
11.70	+0.025/+0.007	12	40	55	102	353PU1170	h	353HPU1170	h
11.80	+0.025/+0.007	12	40	55	102	353PU1180	h	353HPU1180	h
11.90	+0.025/+0.007	12	40	55	102	353PU1190	h	353HPU1190	h
12.00	+0.025/+0.007	12	40	55	102	353PU1200	h	353HPU1200	h
12.10	+0.025/+0.007	14	43	60	107	353PU1210	h	353HPU1210	h
12.20	+0.025/+0.007	14	43	60	107	353PU1220	h	353HPU1220	h
12.30	+0.025/+0.007	14	43	60	107	353PU1230	h	353HPU1230	h
12.40	+0.025/+0.007	14	43	60	107	353PU1240	h	353HPU1240	h
12.50	+0.025/+0.007	14	43	60	107	353PU1250	h	353HPU1250	h
12.60	+0.025/+0.007	14	43	60	107	353PU1260	h	353HPU1260	h
12.70	+0.025/+0.007	14	43	60	107	353PU1270	h	353HPU1270	h
12.80	+0.025/+0.007	14	43	60	107	353PU1280	h	353HPU1280	h
12.90	+0.025/+0.007	14	43	60	107	353PU1290	h	353HPU1290	h
13.00	+0.025/+0.007	14	43	60	107	353PU1300	h	353HPU1300	h
13.10	+0.025/+0.007	14	43	60	107	353PU1310	h	353HPU1310	h
13.20	+0.025/+0.007	14	43	60	107	353PU1320	h	353HPU1320	h
13.30	+0.025/+0.007	14	43	60	107	353PU1330	h	353HPU1330	h
13.40	+0.025/+0.007	14	43	60	107	353PU1340	h	353HPU1340	h
13.50	+0.025/+0.007	14	43	60	107	353PU1350	h	353HPU1350	h
13.60	+0.025/+0.007	14	43	60	107	353PU1360	h	353HPU1360	h
13.70	+0.025/+0.007	14	43	60	107	353PU1370	h	353HPU1370	h
13.80	+0.025/+0.007	14	43	60	107	353PU1380	h	353HPU1380	h
13.90	+0.025/+0.007	14	43	60	107	353PU1390	h	353HPU1390	h
14.00	+0.025/+0.007	14	43	60	107	353PU1400	h	353HPU1400	h
14.10	+0.025/+0.007	16	45	65	115	353PU1410	h	353HPU1410	h
14.20	+0.025/+0.007	16	45	65	115	353PU1420	h	353HPU1420	h
14.30	+0.025/+0.007	16	45	65	115	353PU1430	h	353HPU1430	h
14.50	+0.025/+0.007	16	45	65	115	353PU1450	h	353HPU1450	h
14.60	+0.025/+0.007	16	45	65	115	353PU1460	h	353HPU1460	h
14.70	+0.025/+0.007	16	45	65	115	353PU1470	h	353HPU1460	h

INFO
TYPHOON TA-HTA-4HTA
TYPHOON PU-HPU
TYPHOON SUH
TYPHOON ALH
TYPHOON HRC
TYPHOON SUH MINI
TYPHOON HL
C-SD-TA
LFTA
SUTA
HSS-HSS/CO DRILLS
G2
MDTA
HF VH/UP
MEF
ALU
MEX
UH
HSS/CO-HSSP END MILLS
CARBIDE BURRS

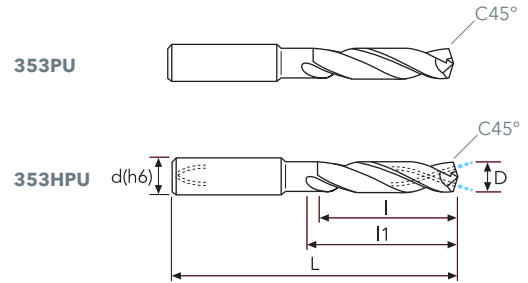
353PU-353HPU

universal application, high productivity,
PU and HPU (through coolant)



P	M	K	N	S	H
★	★	★	☆	★	

★ 1st choice ☆ suitable



D(m7)	D Tol.	d(h6)	l	l1	L	353PU		353HPU	
						EDP No.	Stock	EDP No.	Stock
14.80	+0.025/+0.007	16	45	65	115	353PU1480	h	353HPU1480	h
15.00	+0.025/+0.007	16	65	65	115	353PU1500	h	353HPU1500	h
15.10	+0.025/+0.007	16	65	65	115	353PU1510	h	353HPU1510	h
15.20	+0.025/+0.007	16	65	65	115	353PU1520	h	353HPU1520	h
15.30	+0.025/+0.007	16	65	65	115	353PU1530	h	353HPU1530	h
15.50	+0.025/+0.007	16	65	65	115	353PU1550	h	353HPU1550	h
15.60	+0.025/+0.007	16	65	65	115	353PU1560	h	353HPU1560	h
15.70	+0.025/+0.007	16	65	65	115	353PU1570	h	353HPU1570	h
15.80	+0.025/+0.007	16	65	65	115	353PU1580	h	353HPU1580	h
16.00	+0.025/+0.007	16	65	65	115	353PU1600	h	353HPU1600	h
16.10	+0.025/+0.007	18	73	73	123			353HPU1610	h
16.20	+0.025/+0.007	18	73	73	123			353HPU1620	h
16.30	+0.025/+0.007	18	73	73	123			353HPU1630	h
16.50	+0.025/+0.007	18	73	73	123	353PU1650	h	353HPU1650	h
16.70	+0.025/+0.007	18	73	73	123			353HPU1670	h
16.80	+0.025/+0.007	18	73	73	123			353HPU1680	h
17.00	+0.025/+0.007	18	73	73	123	353PU1700	h	353HPU1700	h
17.10	+0.025/+0.007	18	73	73	123			353HPU1710	h
17.20	+0.025/+0.007	18	73	73	123			353HPU1720	h
17.50	+0.025/+0.007	18	73	73	123	353PU1750	h	353HPU1750	h
17.60	+0.025/+0.007	18	73	73	123			353HPU1760	h
17.70	+0.025/+0.007	18	73	73	123			353HPU1770	h
17.80	+0.025/+0.007	18	73	73	123			353HPU1780	h
18.00	+0.025/+0.007	18	73	73	123	353PU1800	h	353HPU1800	h
18.10	+0.029/+0.008	20	79	79	131			353HPU1810	h
18.20	+0.029/+0.008	20	79	79	131			353HPU1820	h
18.30	+0.029/+0.008	20	79	79	131			353HPU1830	h
18.50	+0.029/+0.008	20	79	79	131	353PU1850	h	353HPU1850	h
18.60	+0.029/+0.008	20	79	79	131			353HPU1860	h
18.70	+0.029/+0.008	20	79	79	131			353HPU1870	h
18.80	+0.029/+0.008	20	79	79	131			353HPU1880	h
19.00	+0.029/+0.008	20	79	79	131	353PU1900	h	353HPU1900	h
19.20	+0.029/+0.008	20	79	79	131			353HPU1920	h
19.30	+0.029/+0.008	20	79	79	131			353HPU1930	h
19.50	+0.029/+0.008	20	79	79	131	353PU1950	h	353HPU1950	h
19.60	+0.029/+0.008	20	79	79	131			353HPU1960	h
19.80	+0.029/+0.008	20	79	79	131			353HPU1980	h
20.00	+0.029/+0.008	20	79	79	131	353PU2000	h	353HPU2000	h

h stock standard f non-standard stock m stock exhaustion