



## CARB-HPR

HIGH PERFORMANCE ROUGHER

### FRACTIONAL ITEMS

EDP	Product Brand	Series	Cutting Diameter	Shank Diameter	Overall Length	Length Of Cut	Shank Length	Corner Radius	Coating
37000	ZHPR	Z5S	0.1250	0.1250	1.500	0.250	1.2500	•	TM
37181	ZHPR	Z5C	0.1250	0.1250	1.500	0.375	1.1250	0.015	TA
37004	ZHPR	Z5S	0.1875	0.1875	2.000	0.313	1.6875	•	TM
37183	ZHPR	Z5C	0.1875	0.1875	2.000	0.500	1.5000	0.015	TA
37008	ZHPR	Z5S	0.2500	0.2500	2.500	0.375	2.1250	•	TM
37185	ZHPR	Z5C	0.2500	0.2500	2.500	0.500	2.0000	0.015	TA
38503	ZHPR	Z5S	0.3125	0.3125	2.500	0.438	2.0625	•	TA
37015	ZHPR	Z5C	0.3125	0.3125	2.500	0.438	2.0625	0.015	TM
38505	ZHPR	Z5S	0.3750	0.3750	2.500	0.500	2.0000	•	TA
38824	ZHPR	Z5C	0.3750	0.3750	2.500	0.750	0.0000	0.090	TM
37170	ZHPR	Z5S	0.4375	0.4375	2.750	0.875	1.8750	•	TA
37160	ZHPR	Z5C	0.4375	0.4375	2.500	0.625	1.8750	0.015	TM
37325	ZHPR	Z5S	0.5000	0.5000	3.250	1.250	2.0000	•	TM
37191	ZHPR	Z5C	0.5000	0.5000	3.250	1.250	2.0000	0.015	TA
38519	ZHPR	Z5S	0.6250	0.6250	3.500	1.250	2.2500	•	TA
37061	ZHPR	Z5C	0.6250	0.6250	3.500	0.750	2.7500	0.015	TM
38521	ZHPR	Z5S	0.7500	0.7500	4.000	1.500	2.5000	•	TA
37089	ZHPR	Z5C	0.7500	0.7500	4.000	0.875	3.1250	0.030	TM
37295	ZHPR	Z5S	1.0000	1.0000	4.000	1.500	2.5000	•	TM
37215	ZHPR	Z5C	1.0000	1.0000	4.000	1.500	2.5000	0.030	TA

### METRIC ITEMS

EDP	Product Brand	Series	Cutting Diameter	Shank Diameter	Overall Length	Length Of Cut	Shank Length	Corner Radius	Coating
47000	ZHPR	Z5C	6,0	6,0	54,0	9,0	45,0	0,5	TM
47120	ZHPR	Z5C	6,0	6,0	57,0	13,0	44,0	0,5	TA
47005	ZHPR	Z5C	8,0	8,0	58,0	11,0	47,0	0,5	TM
47121	ZHPR	Z5C	8,0	8,0	63,0	18,0	45,0	0,5	TA
47015	ZHPR	Z5C	10,0	10,0	72,0	22,0	50,0	2,5	TM
48007	ZHPR	Z5C	10,0	10,0	66,0	13,0	53,0	1,0	TA
47027	ZHPR	Z5C	12,0	12,0	83,0	26,0	57,0	1,0	TM
47126	ZHPR	Z5C	12,0	12,0	83,0	26,0	57,0	0,75	TA
47045	ZHPR	Z5C	16,0	16,0	92,0	35,0	57,0	4,0	TM
47132	ZHPR	Z5C	16,0	16,0	92,0	35,0	57,0	2,0	TA
47076	ZHPR	Z5C	20,0	20,0	104,0	43,0	61,0	5,0	TM
47096	ZHPR	Z5C	25,0	25,0	121,0	53,0	68,0	4,0	TM
48054	ZHPR	Z5C	25,0	25,0	121,0	53,0	68,0	4,0	TA

Central hole delivers coolant effectively to the cutting zone

Available in square & corner radii end configurations.

Specially designed radial rake balances positive cutting action and edge strength

Specialized five flute design is engineered for strength, chip evacuation, and increased productivity over three and four flute end mills by 20-40%

Available in both Ti-namite-M & Ti-namite-A coatings for enhanced tool life in ferrous materials

Available in inch & metric configurations.



**776 other product variations available. Contact your local KSPT sales representative to find the optimal tool for you.**