

HTR
PRECISION
CUTTING TOOLS
Performance Through Quality



CARBIDE DIVISION

PRICE LIST 2017 - 2018



PRICE LIST STANDARD END MILLS

Note	3 flute alu, 2/4 flute flat, 2 flute ball nose (Zar)								
D1	L1	D	L	≥40°	≥45°	≥50°	≥55°	≥60°	
φ 1	3	φ 4	50	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 1.5	4	φ 4	50	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 2	6	φ 4	50	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 2.5	8	φ 4	50	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 3	8	φ 3	50	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 4	10	φ 4	50	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 5	13	φ 5	50	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 6	15	φ 6	50	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 7	20	φ 8	60	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 8	20	φ 8	60	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 4	15	φ 4	75	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 5	20	φ 6	75	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 6	20	φ 6	75	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 7	25	φ 8	75	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 8	25	φ 8	75	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 9	25	φ 10	75	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 10	25	φ 10	75	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 12	30	φ 12	75	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 14	35	φ 14	80	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 3	10	φ 3	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 4	12	φ 4	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 5	15	φ 5	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 6	30	φ 6	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 8	35	φ 8	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 10	40	φ 10	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 12	45	φ 12	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 14	45	φ 14	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 16	45	φ 16	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 18	45	φ 18	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 20	45	φ 20	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 21	45	φ 21	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 22	45	φ 22	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 23	45	φ 23	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 24	45	φ 24	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 25	45	φ 25	100	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 6	20	φ 6	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 8	25	φ 8	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 10	33	φ 10	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 12	40	φ 12	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 14	50	φ 14	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 16	55	φ 16	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 18	60	φ 18	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 20	65	φ 20	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 21	65	φ 21	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 22	65	φ 22	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 23	65	φ 23	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 24	65	φ 24	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price
φ 25	65	φ 25	150	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price	Contact for Price

RECOMMENDED WORK PIECE ACCORDING TO HRC

HRC 40° - for aluminium, plastic, wood

HRC 45° - for aluminium, copper, iron pugang, plastic, composite material

HRC 50° - for aluminium, copper, iron pugang, hard steel, graphite, heat resistant steel

HRC 55° - for pugang, heat resistant steel, stainless steel, titanium alloy

HRC 60° - for pugang, heat resistant steel, stainless steel, titanium alloy, hardened steel

HRC 65° - heat resistant steel, stainless steel, titanium alloy, hardened steel, alloy steel, quenched & tempered steel



D1	L1	D	L	≥45°	≥50°	≥55°	D1	L1	D	L	≥45°	≥50°	≥55°
φ 1	7	φ 1	50	Contact for Price	Contact for Price	Contact for Price	φ 1	4	φ 1	38	Contact for Price	Contact for Price	Contact for Price
φ 1.5	7	φ 1.5	50	Contact for Price	Contact for Price	Contact for Price	φ 1.5	4	φ 1.5	38	Contact for Price	Contact for Price	Contact for Price
φ 2	7	φ 2	50	Contact for Price	Contact for Price	Contact for Price	φ 2	4	φ 2	38	Contact for Price	Contact for Price	Contact for Price
φ 2.5	7	φ 2.5	50	Contact for Price	Contact for Price	Contact for Price	φ 2.5	4	φ 2.5	38	Contact for Price	Contact for Price	Contact for Price
φ 3	28	φ 3	60	Contact for Price	Contact for Price	Contact for Price	φ 3	20	φ 3	50	Contact for Price	Contact for Price	Contact for Price
φ 3.5	28	φ 4	60	Contact for Price	Contact for Price	Contact for Price	φ 3.5	20	φ 4	50	Contact for Price	Contact for Price	Contact for Price
φ 4	28	φ 4	60	Contact for Price	Contact for Price	Contact for Price	φ 4	20	φ 4	50	Contact for Price	Contact for Price	Contact for Price
φ 4.5	36	φ 6	75	Contact for Price	Contact for Price	Contact for Price	φ 4.5	28	φ 6	65	Contact for Price	Contact for Price	Contact for Price
φ 5	36	φ 6	75	Contact for Price	Contact for Price	Contact for Price	φ 5	28	φ 6	65	Contact for Price	Contact for Price	Contact for Price
φ 5.5	36	φ 6	75	Contact for Price	Contact for Price	Contact for Price	φ 5.5	28	φ 6	65	Contact for Price	Contact for Price	Contact for Price
φ 6	36	φ 6	75	Contact for Price	Contact for Price	Contact for Price	φ 6	28	φ 6	65	Contact for Price	Contact for Price	Contact for Price
φ 6.5	53	φ 8	90	Contact for Price	Contact for Price	Contact for Price	φ 6.5	34	φ 8	80	Contact for Price	Contact for Price	Contact for Price
φ 7	53	φ 8	90	Contact for Price	Contact for Price	Contact for Price	φ 7	34	φ 8	80	Contact for Price	Contact for Price	Contact for Price
φ 7.5	53	φ 8	90	Contact for Price	Contact for Price	Contact for Price	φ 7.5	34	φ 8	80	Contact for Price	Contact for Price	Contact for Price
φ 8	53	φ 8	90	Contact for Price	Contact for Price	Contact for Price	φ 8	34	φ 8	80	Contact for Price	Contact for Price	Contact for Price
φ 8.5	61	φ 10	105	Contact for Price	Contact for Price	Contact for Price	φ 8.5	47	φ 10	90	Contact for Price	Contact for Price	Contact for Price
φ 9	61	φ 10	105	Contact for Price	Contact for Price	Contact for Price	φ 9	47	φ 10	90	Contact for Price	Contact for Price	Contact for Price
φ 9.5	61	φ 10	105	Contact for Price	Contact for Price	Contact for Price	φ 9.5	47	φ 10	90	Contact for Price	Contact for Price	Contact for Price
φ 10	61	φ 10	105	Contact for Price	Contact for Price	Contact for Price	φ 10	47	φ 10	90	Contact for Price	Contact for Price	Contact for Price
φ 10.5	71	φ 12	120	Contact for Price	Contact for Price	Contact for Price	φ 10.5	55	φ 12	105	Contact for Price	Contact for Price	Contact for Price
φ 11	71	φ 12	120	Contact for Price	Contact for Price	Contact for Price	φ 11	55	φ 12	105	Contact for Price	Contact for Price	Contact for Price
φ 11.5	71	φ 12	120	Contact for Price	Contact for Price	Contact for Price	φ 11.5	55	φ 12	105	Contact for Price	Contact for Price	Contact for Price
φ 12	71	φ 12	120	Contact for Price	Contact for Price	Contact for Price	φ 12	55	φ 12	105	Contact for Price	Contact for Price	Contact for Price
φ 12.5	77	φ 14	128	Contact for Price	Contact for Price	Contact for Price	φ 12.5	60	φ 14	110	Contact for Price	Contact for Price	Contact for Price
φ 13	77	φ 14	128	Contact for Price	Contact for Price	Contact for Price	φ 13	60	φ 14	110	Contact for Price	Contact for Price	Contact for Price
φ 13.5	77	φ 14	128	Contact for Price	Contact for Price	Contact for Price	φ 13.5	60	φ 14	110	Contact for Price	Contact for Price	Contact for Price
φ 14	77	φ 14	128	Contact for Price	Contact for Price	Contact for Price	φ 14	60	φ 14	110	Contact for Price	Contact for Price	Contact for Price
φ 14.5	83	φ 16	136	Contact for Price	Contact for Price	Contact for Price	φ 14.5	65	φ 16	115	Contact for Price	Contact for Price	Contact for Price
φ 15	83	φ 16	136	Contact for Price	Contact for Price	Contact for Price	φ 15	65	φ 16	115	Contact for Price	Contact for Price	Contact for Price
φ 15.5	83	φ 16	136	Contact for Price	Contact for Price	Contact for Price	φ 15.5	65	φ 16	115	Contact for Price	Contact for Price	Contact for Price
φ 16	83	φ 16	136	Contact for Price	Contact for Price	Contact for Price	φ 16	65	φ 16	115	Contact for Price	Contact for Price	Contact for Price
φ 16.5	90	φ 18	147	Contact for Price	Contact for Price	Contact for Price	φ 16.5	72	φ 18	125	Contact for Price	Contact for Price	Contact for Price
φ 17	90	φ 18	147	Contact for Price	Contact for Price	Contact for Price	φ 17	72	φ 18	125	Contact for Price	Contact for Price	Contact for Price
φ 17.5	90	φ 18	147	Contact for Price	Contact for Price	Contact for Price	φ 17.5	72	φ 18	125	Contact for Price	Contact for Price	Contact for Price
φ 18	90	φ 18	147	Contact for Price	Contact for Price	Contact for Price	φ 18	72	φ 18	125	Contact for Price	Contact for Price	Contact for Price
φ 18.5	97	φ 20	160	Contact for Price	Contact for Price	Contact for Price	φ 18.5	80	φ 20	130	Contact for Price	Contact for Price	Contact for Price
φ 19	97	φ 20	160	Contact for Price	Contact for Price	Contact for Price	φ 19	80	φ 20	30	Contact for Price	Contact for Price	Contact for Price
φ 19.5	97	φ 20	160	Contact for Price	Contact for Price	Contact for Price	φ 19.5	80	φ 20	130	Contact for Price	Contact for Price	Contact for Price
φ 20	97	φ 20	160	Contact for Price	Contact for Price	Contact for Price	φ 20	80	φ 20	130	Contact for Price	Contact for Price	Contact for Price

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- HRC 55° - for pugang, heat resistant steel, stainless steel, titanium alloy
- HRC 60° - for pugang, heat resistant steel, stainless steel, titanium alloy, hardened steel
- HRC 65° - heat resistant steel, stainless steel, titanium alloy, hardened steel, alloy steel, quenched & tempered steel

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