

Reamers

HR

ハンドリーマ
Hand Reamers (0.1steps)



- 鋳鉄、鉄鋼一般の穴仕上げ加工
For hole finishing of cast iron and steels
- インチサイズもあります。
Inch sizes also available
- MCO材 (コバルト高速度鋼) を使用
Uses MCO material (Cobalt high-speed steel)

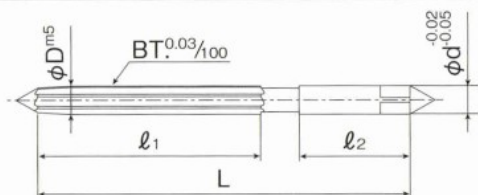
Endmills

Drills

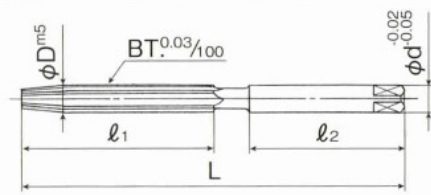
Countersinks/
Counterbores

Slitting Saws/
Cut-off tools

Cutters



食付き角 1° 1° Chamfer
※図はφ3.0未満の形状です。 Figure is shape of less than φ3.0



食付き角 1° 1° Chamfer
※図はφ3.0以上の形状です。 Figure is shape of φ3.0 or more

品番 Product No.	寸法 Size					刃数 NT	標準価格 Standard price ¥
	刃径 D	シャンク径 d	刃長 l ₁	シャンク長 l ₂	全長 L		
HR010	1.0	2.0	20	15	40	4	3,900
HR011	1.1	2.0	20	15	40	4	4,200
HR012	1.2	2.0	25	15	45	4	4,200
HR013	1.3	2.0	25	15	45	4	4,200
HR014	1.4	2.0	25	15	45	4	4,200
HR015	1.5	3.0	25	19	50	4	4,000
HR016	1.6	3.0	25	19	50	4	4,000
HR017	1.7	3.0	25	19	50	4	4,000
HR018	1.8	3.0	30	19	55	4	4,000
HR019	1.9	3.0	30	19	55	4	4,000
HR020	2.0	3.0	30	23	60	4	3,500
HR021	2.1	3.0	30	23	60	4	3,800
HR022	2.2	3.0	30	23	60	4	3,800
HR023	2.3	3.0	30	23	60	4	3,800
HR024	2.4	3.0	30	23	60	4	3,800
HR025	2.5	3.0	35	23	65	4	3,600
HR026	2.6	3.0	35	23	65	4	3,600
HR027	2.7	3.0	35	23	65	4	3,600
HR028	2.8	3.0	35	23	65	4	3,600
HR029	2.9	3.0	35	23	65	4	3,600
HR030	3.0	3.0	40	23	72	6	2,900
HR031	3.1	3.0	40	23	72	6	3,300
HR032	3.2	3.0	40	23	72	6	3,300
HR033	3.3	3.0	40	23	72	6	3,300
HR034	3.4	3.0	40	23	72	6	3,300

品番 Product No.	寸法 Size					刃数 NT	標準価格 Standard price ¥
	刃径 D	シャンク径 d	刃長 l ₁	シャンク長 l ₂	全長 L		
HR035	3.5	3.5	40	26	75	6	3,300
HR036	3.6	3.5	40	26	75	6	3,300
HR037	3.7	3.5	40	26	75	6	3,300
HR038	3.8	3.5	40	26	75	6	3,300
HR039	3.9	3.5	40	26	75	6	3,300
HR040	4.0	4.0	40	30	80	6	2,900
HR041	4.1	4.0	40	30	80	6	3,300
HR042	4.2	4.0	40	30	80	6	3,300
HR043	4.3	4.0	40	30	80	6	3,300
HR044	4.4	4.0	40	30	80	6	3,300
HR045	4.5	4.5	45	30	85	6	3,300
HR046	4.6	4.5	45	30	85	6	3,300
HR047	4.7	4.5	45	30	85	6	3,300
HR048	4.8	4.5	45	30	85	6	3,300
HR049	4.9	4.5	45	30	85	6	3,300
HR050	5.0	5.0	45	35	90	6	2,900
HR051	5.1	5.0	45	35	90	6	3,600
HR052	5.2	5.0	45	35	90	6	3,600
HR053	5.3	5.0	45	35	90	6	3,600
HR054	5.4	5.0	45	35	90	6	3,600
HR055	5.5	5.5	45	38	95	6	3,600
HR056	5.6	5.5	45	38	95	6	3,600
HR057	5.7	5.5	45	38	95	6	3,600
HR058	5.8	5.5	45	38	95	6	3,600
HR059	5.9	5.5	45	38	95	6	3,600