

REAMERS



Reamers

- Hand
- Machine (Morse Taper & Chucking)
- Bridge
- Taper Pin
- Morse Taper Socket
- Taper Pipe
- Adjustable

the ultimate reference book is here...

BLACK BOOK

The ultimate reference book:

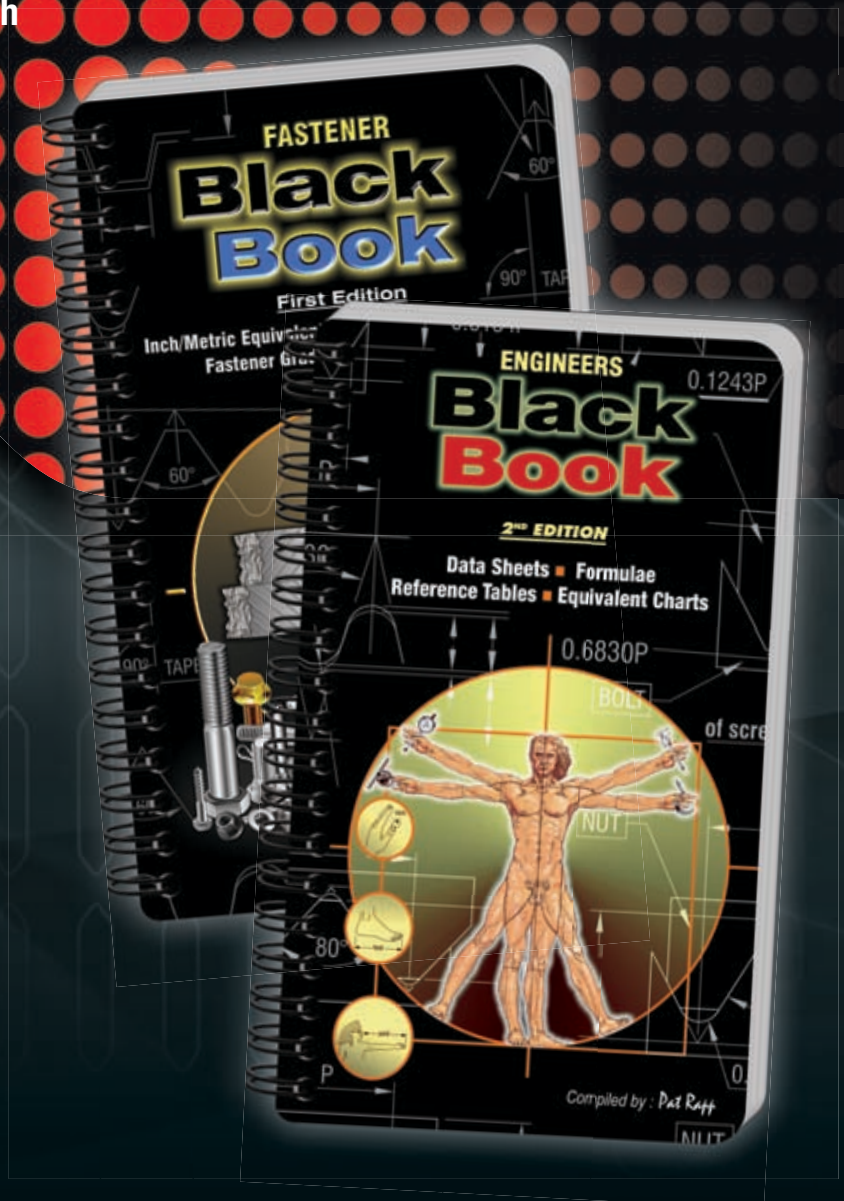
- Matt laminated grease proof pages
- Wire bound to stay flat on workbench when reading
- Ideal for engineers, trades people, apprentices, machine shops, tool rooms, technical colleges

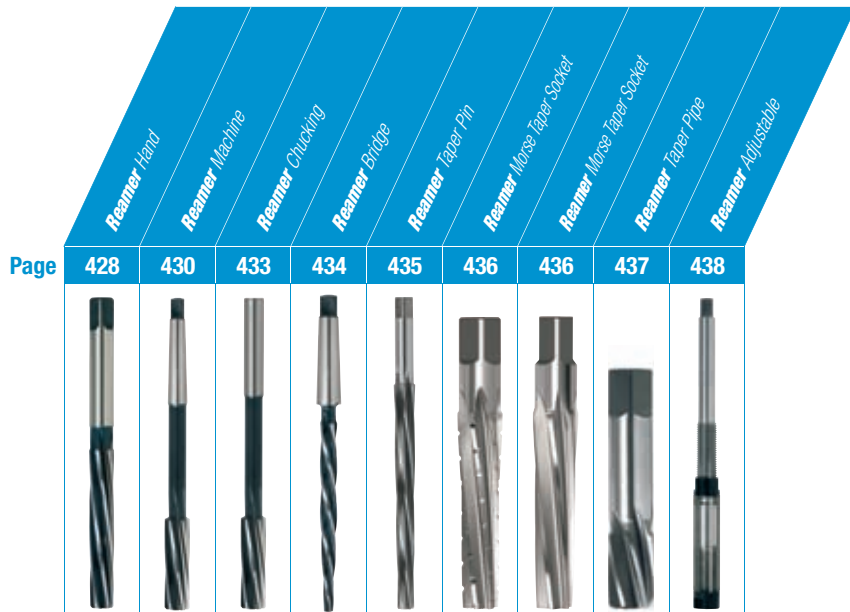
Engineers Black Book

- Tables • Standards • Illustrations
- Grinding wheels • Conversion factors
- Tapers • Lubricants-coolants • G Codes
- Spur gear calculations • Tolerances
- Hardening & tempering • Weights of metal
- Geometrical construction • Formulae
- Engineering drawing standards • Plastics
- Bolts & nuts • Tungsten carbide
- Keys & keyways • Tapping drill sizes
- Speeds & feeds • Equivalent charts
- Sharpening information

Fastener Black Book

- Screw thread fundamentals • Standards
- Thread classes • Thread terminology
- Grades • Heat treatment • Material selection
- Materials & coatings • Failures & corrosion
- Fastener strengths & markings • Platings
- Tolerances • Hydrogen embrittlement
- Screw thread profiles • Torque control
- Galling • Elevated temperature effects
- Dimensional Specifications DIN / ISO / ANSI





Page

428	430	433	434	435	436	436	437	438

Catalogue Code R100 R101 R102 R104 R105 R106 R107 R108 R109

Material HSS HSS Co HSS TCA

Surface Finish Brt

Colour Ring & Application General Purpose Roughing Finishing Tapered Pipe General Purpose

Standard DIN 206 / ISO 236 DIN 208 / ISO 521 DIN 212 / ISO 521 Sutton Standard

Material Geometry L10 L7 L15 Straight

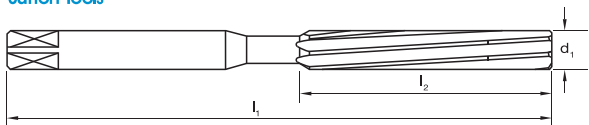
Material	HB	N/mm ²	% Elong.									
1.0 Steels												
1.1 Mild steels, magnetic soft steel	<200	>200 <400	10	●	●	●	●	●	●	●	●	○
1.2 Free cutting, structural, unalloyed	<200	>350 <700	30	●	●	●	●	●	●	●	●	○
1.3 Plain carbon, low alloyed	<300	>350 <850	20	●	●	●	●	●	●	●	●	○
1.4 Alloy steels harden. / tempered	<250	>500 <850	30	○	○	○	○	○	○	○	○	
1.5 Alloy steels harden. / tempered	<350	>850 <1200	30	○	○	○	○	○	○	○	○	
1.6 Hardened, heat treated, high tensile alloy	<420	>1500	12									
1.7 Hardened Steel 45-50 Rc	<550		<12									
1.8 Hardened Steel 50-62 Rc	<700		<12									
2.0 Stainless Steels												
2.1 Free machining	<250	<850	25	○	○	○	○	○	○	○	○	
2.2 Austenitic	<250	<850	20	○	○	○	○	○	○	○	○	
2.3 Ferritic + martensitic	<250	<850	20	○	○	○	○	○	○	○	○	
3.0 Cast Irons												
3.1 Lamellar graphite (Grey soft)	<150	<500	10	●	●	●	●	●	●	●	●	○
3.2 Lamellar graphite (Grey hard)	<300	<1000	10	○	○	○	○	○	○	○	○	
3.3 Nodular (spheroidal) graphite & malleable	<200	<700	10	○	○	○	○	○	○	○	○	
4.0 Titaniums												
4.1 Pure Titanium	<250	<850	20									
4.2 Titanium alloys	>250	>850	20									
5.0 Nickels												
5.1 Nickel alloys	<250	<850	25									
5.2 Nickel alloys	>250	>850	25									
6.0 Coppers												
6.1 Pure Copper (electrolytic copper)	<120	<400	12	○	○	○	○	○	○	○	○	○
6.2 Short chip Brass, Phosphor Bronze, gun metal	<200	<700	12	○	○	○	○	○	○	○	○	
6.3 Long chip Brass, Bronze	<200	<700	12	○	○	○	○	○	○	○	○	
7.0 Aluminiums												
7.1 Aluminium unalloyed	<100	<350	15	○	○	○	○	○	○	○	○	○
7.2 Magnesium unalloyed	<150	<350	15	○	○	○	○	○	○	○	○	○
7.3 Al Alloyed Si < 1.5 %	<120	<500	15	○	○	○	○	○	○	○	○	○
7.4 Al Alloyed 1.5 % < Si < 10%	<120	<400	10	○	○	○	○	○	○	○	○	○
7.5 Al Alloyed > 10% Si	-	<400	N									
7.6 Magnesium alloys	-	<400	N									
8.0 Plastics												
8.1 Plastics, Thermoplastics, Polyethylene	<340	<50	N									

● Optimal ○ Effective

Reamers Hand



- For use by hand with suitable wrench
- Suitable for tool rooms & workshop use
- Produces clean, accurate holes, to a H7 plus tolerance



Catalogue Code Size Ref.



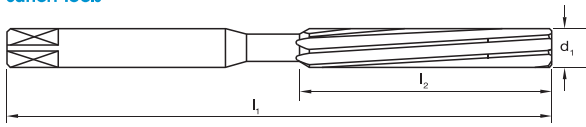
Catalogue Code	R100
Discount Group	B0302
Material	HSS
Surface Finish	Brt
Colour Ring & Application	N
Geometry	L10

Size Ref.	d ₁	l ₁	l ₂	l ₃	d ₂	z	Item #
0300	3.00	62	31	-		6	R100 0300
0318	3.17 1/8	2-5/8	1-5/16	-		6	R100 0318
0350	3.50	71	35	-		6	R100 0350
0357	3.57 9/64	2-3/16	1-3/8	-		6	R100 0357
0397	3.97 5/32	3	1-1/2	-		6	R100 0397
0400	4.00	76	38	-		6	R100 0400
0437	4.36 11/64	3-3/16	1-5/8	-		6	R100 0437
0450	4.50	81	41	-		6	R100 0450
0476	4.76 3/16	3-7/16	1-3/4	-		6	R100 0476
0500	5.00	87	44	-		6	R100 0500
0516	5.16 13/64	3-7/16	1-3/4	-		6	R100 0516
0550	5.50	93	47	-		6	R100 0550
0556	5.56 7/32	3-11/16	1-7/8	-		6	R100 0556
0595	5.95 15/64	3-11/16	1-7/8	-		6	R100 0595
0600	6.00	93	47	-		6	R100 0600
0635	6.35 1/4	3-15/16	2	-		6	R100 0635
0650	6.50	100	50	-		6	R100 0650
0675	6.75 17/64	3-15/16	2	-		6	R100 0675
0700	7.00	107	54	-		6	R100 0700
0714	7.14 9/32	4-3/16	2-1/8	-		6	R100 0714
0750	7.50	107	54	-		6	R100 0750
0754	7.54 19/64	4-3/16	2-1/8	-		6	R100 0754
0794	7.94 5/16	4-1/2	2-1/4	-		6	R100 0794
0800	8.00	115	58	-		6	R100 0800
0833	8.33 21/64	4-7/8	2-1/4	-		6	R100 0833
0850	8.50	115	58	-		6	R100 0850
0873	8.73 11/32	4-7/8	2-7/16	-		6	R100 0873
0900	9.00	124	62	-		6	R100 0900
0913	9.13 23/64	4-7/8	2-7/16	-		8	R100 0913
0950	9.50	124	62	-		6	R100 0950
0953	9.52 3/8	5-1/4	2-5/8	-		8	R100 0953
0992	9.92 25/64	5-1/4	2-5/8	-		8	R100 0992
1000	10.00	133	66	-		6	R100 1000
1032	10.32 13/32	5-1/4	2-5/8	-		8	R100 1032
1050	10.50	133	66	-		6	R100 1050
1100	11.00	142	71	-		6	R100 1100
1111	11.11 7/16	5-5/8	2-13/16	-		8	R100 1111
1150	11.50	142	71	-		6	R100 1150
1151	11.51 29/64	5-5/8	2-13/16	-		8	R100 1151
1191	11.91 15/32	6	3	-		8	R100 1191
1200	12.00	152	76	-		6	R100 1200
1230	12.30 31/64	6	3	-		8	R100 1230
1250	12.50	152	76	-		6	R100 1250
1270	12.70 1/2	6	3	-		8	R100 1270

Reamers Hand



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Catalogue Code Size Ref.



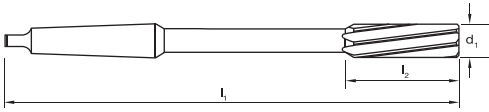
Catalogue Code	R100
Discount Group	B0302
Material	HSS
Surface Finish	Brt
Colour Ring & Application	N
Geometry	L10

Size Ref.	d ₁	l ₁	l ₂	l ₃	d ₂	z	Item #
1300	13.00	152	76	-		6	R100 1300
1310	13.10 33/64	6	3	-		8	R100 1310
1349	13.49 17/32	6-7/16	3-3/16	-		8	R100 1349
1389	35/64	6-7/16	3-3/16	-		8	R100 1389
1350	13.50	163	81	-		6	R100 1350
1400	14.00	163	81	-		8	R100 1400
1429	14.29 9/16	6-7/16	3-3/16	-		8	R100 1429
1450	14.50	163	81	-		8	R100 1450
1468	14.68 37/64	6-7/16	3-3/16	-		8	R100 1468
1500	15.00	163	81	-		8	R100 1500
1508	15.08 19/32	6-7/8	3-7/16	-		8	R100 1508
1548	39/64	6-7/8	3-7/16	-		8	R100 1548
1588	15.87 5/8	6-7/8	3-7/16	-		8	R100 1588
1600	16.00	175	87	-		8	R100 1600
1627	16.27 41/64	6-7/8	3-7/16	-		8	R100 1627
1667	16.67 21/32	6-7/8	3-7/16	-		8	R100 1667
1700	17.00	175	87	-		8	R100 1700
1707	17.06 43/64	7-7/16	3-11/16	-		8	R100 1707
1746	17.46 11/16	7-7/16	3-11/16	-		8	R100 1746
1800	18.00	188	93	-		8	R100 1800
1826	18.26 23/32	7-7/16	3-11/16	-		8	R100 1826
1900	19.00	188	93	-		8	R100 1900
1905	19.05 3/4	7-15/16	3-15/16	-		10	R100 1905
1984	19.84 25/32	7-15/16	3-15/16	-		10	R100 1984
2000	20.00	201	100	-		8	R100 2000
2064	20.64 13/16	7-15/16	3-15/16	-		10	R100 2064
2100	21.00	201	100	-		8	R100 2100
2143	21.43 27/32	8-1/2	4-3/16	-		10	R100 2143
2200	22.00	215	107	-		8	R100 2200
2223	22.22 7/8	8-1/2	4-3/16	-		10	R100 2223
2300	23.00	215	107	-		8	R100 2300
2302	23.02 29/32	8-1/2	4-3/16	-		10	R100 2302
2381	23.81 15/16	9-1/16	4-1/2	-		10	R100 2381
2400	24.00	231	115	-		8	R100 2400
2461	24.61 31/32	9-1/16	4-1/2	-		10	R100 2461
2500	25.00	231	115	-		10	R100 2500
2540	25.40 1	9-1/16	4-1/2	-		10	R100 2540

Reamers Machine



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Catalogue Code Size Ref.

R300 **0300**

Item #



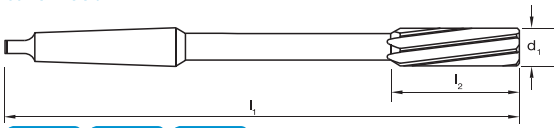
Catalogue Code	R101
Discount Group	B0302
Material	HSS
Surface Finish	Brt
Colour Ring & Application	N
Geometry	L10

Size Ref.	d ₁	l ₁	l ₂	l ₃	d ₂	z	MT #	Item #
0600	6.00	138	26	-	-	6	1	R101 0600
0635	6.35 1/4	5-43/64	1-3/32	-	-	6	1	R101 0635
0650	6.50	144	28	-	-	6	1	R101 0650
0675	6.75 17/64	5-43/64	1-3/32	-	-	6	1	R101 0675
0700	7.00	150	31	-	-	6	1	R101 0700
0714	7.14 9/32	5-29/32	1-13/64	-	-	6	1	R101 0714
0750	7.50	150	31	-	-	6	1	R101 0750
0754	7.54 19/64	5-29/32	1-13/64	-	-	6	1	R101 0754
0794	7.94 5/16	6-9/64	1-5/16	-	-	6	1	R101 0794
0800	8.00	156	33	-	-	6	1	R101 0800
0833	8.33 21/64	6-9/64	1-5/16	-	-	6	1	R101 0833
0850	8.50	156	33	-	-	6	1	R101 0850
0873	8.73 11/32	6-3/8	1-27/64	-	-	6	1	R101 0873
0900	9.00	162	36	-	-	6	1	R101 0900
0913	9.13 23/64	6-3/8	1-27/64	-	-	6	1	R101 0913
0950	9.50	162	36	-	-	6	1	R101 0950
0953	9.52 3/8	6-3/8	1-27/64	-	-	6	1	R101 0953
0992	9.92 25/64	6-39/64	1-1/2	-	-	6	1	R101 0992
1000	10.00	168	38	-	-	6	1	R101 1000
1032	10.32 13/32	6-39/64	1-1/2	-	-	6	1	R101 1032
1050	10.50	168	38	-	-	6	1	R101 1050
1072	10.71 27/64	6-57/64	1-39/64	-	-	6	1	R101 1072
1100	11.00	175	41	-	-	6	1	R101 1100
1111	11.11 7/16	6-57/64	1-39/64	-	-	6	1	R101 1111
1150	11.50	175	41	-	-	6	1	R101 1150
1151	11.51 29/64	6-57/64	1-39/64	-	-	6	1	R101 1151
1191	11.91 15/32	6-57/64	1-39/64	-	-	6	1	R101 1191
1200	12.00	182	44	-	-	6	1	R101 1200
1230	12.30 31/64	7-11/64	1-47/64	-	-	6	1	R101 1230
1250	12.50	182	44	-	-	6	1	R101 1250
1270	12.70 1/2	7-11/64	1-47/64	-	-	6	1	R101 1270
1300	13.00	182	44	-	-	6	1	R101 1300
1310	13.10 33/64	7-11/64	1-47/64	-	-	6	1	R101 1310
1349	13.49 17/32	7-7/16	1-27/32	-	-	6	1	R101 1349
1350	13.50	189	47	-	-	6	1	R101 1350
1389	13.89 35/64	7-7/16	1-27/32	-	-	6	1	R101 1389
1400	14.00	189	47	-	-	8	1	R101 1400

Reamers Machine



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Catalogue Code Size Ref.



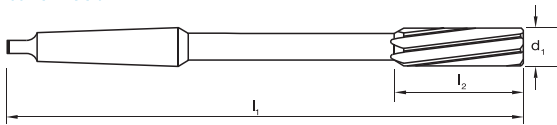
Catalogue Code	R101
Discount Group	B0302
Material	HSS
Surface Finish	Brt
Colour Ring & Application	N
Geometry	L10

Size Ref.	d ₁	l ₁	l ₂	l ₃	d ₂	z	MT #	Item #
1429	14.29 9/16	8-1/32	1-31/32	-	-	8	2	R101 1429
1450	14.50	204	50	-	-	8	2	R101 1450
1468	14.68 37/64	8-1/32	1-31/32	-	-	8	2	R101 1468
1500	15.00	204	50	-	-	8	2	R101 1500
1508	15.08 19/32	8-17/64	2-3/64	-	-	8	2	R101 1508
1550	15.50	210	52	-	-	8	2	R101 1550
1548	15.48 39/64	8-17/64	2-3/64	-	-	8	2	R101 1548
1588	15.87 5/8	8-17/64	2-3/64	-	-	8	2	R101 1588
1600	16.00	210	52	-	-	8	2	R101 1600
1627	16.27 41/64	8-7/16	2-1/8	-	-	8	2	R101 1627
1650	16.50	214	54	-	-	8	2	R101 1650
1667	16.67 21/32	8-7/16	2-1/8	-	-	8	2	R101 1667
1700	17.00	214	54	-	-	8	2	R101 1700
1707	17.06 43/64	8-5/8	2-13/64	-	-	8	2	R101 1707
1746	17.46 11/16	8-5/8	2-13/64	-	-	8	2	R101 1746
1750	17.50	219	56	-	-	8	2	R101 1750
1786	17.86 45/64	8-5/8	2-13/64	-	-	8	2	R101 1786
1800	18.00	219	56	-	-	8	2	R101 1800
1826	18.26 23/32	8-5/8	2-13/64	-	-	8	2	R101 1826
1850	18.50	223	58	-	-	8	2	R101 1850
1900	19.00	223	58	-	-	8	2	R101 1900
1905	19.05 3/4	8-25/32	2-9/32	-	-	8	2	R101 1905
1950	19.50	228	60	-	-	8	2	R101 1950
2000	20.00	228	60	-	-	8	2	R101 2000
2050	20.50	232	62	-	-	8	2	R101 2050
2064	20.64 13/16	9-1/8	2-7/16	-	-	8	2	R101 2064
2100	21.00	232	62	-	-	8	2	R101 2100
2143	21.43 27/32	9-1/8	2-7/16	-	-	8	2	R101 2143
2150	21.50	237	64	-	-	8	2	R101 2150
2200	22.00	237	64	-	-	8	2	R101 2200
2223	22.22 7/8	9-21/64	2-33/64	-	-	8	2	R101 2223
2250	22.50	241	66	-	-	8	2	R101 2250
2300	23.00	241	66	-	-	8	2	R101 2300
2302	23.02 29/32	9-21/64	2-33/64	-	-	8	2	R101 2302

Reamers Machine



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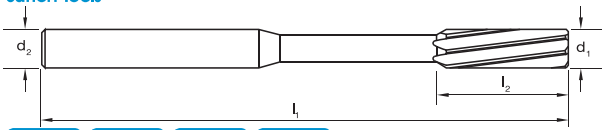
Catalogue Code	R101
Discount Group	B0302
Material	HSS
Surface Finish	Brt
Colour Ring & Application	N
Geometry	L10

Size Ref.	d ₁	l ₁	l ₂	l ₃	d ₂	z	MT #	Item #
2350	23.50	241	66	-	-	8	3	R101 2350
2381	23.81 15/16	10-35/64	2-11/16	-	-	8	3	R101 2381
2400	24.00	268	68	-	-	8	3	R101 2400
2450	24.50	268	68	-	-	8	3	R101 2450
2461	24.61 31/32	10-35/64	2-11/16	-	-	8	3	R101 2461
2500	25.00	268	68	-	-	10	3	R101 2500
2540	25.40 1	10-35/64	2-11/16	-	-	8	3	R101 2540
2550	25.50	273	70	-	-	10	3	R101 2550
2600	26.00	273	70	-	-	10	3	R101 2600
2650	26.50	273	70	-	-	10	3	R101 2650
2699	26.99 1-1/16	10-29/32	2-51/64	-	-	10	3	R101 2699
2700	27.00	277	71	-	-	10	3	R101 2700
2750	27.50	277	71	-	-	10	3	R101 2750
2800	28.00	277	71	-	-	10	3	R101 2800
2850	28.50	281	73	-	-	10	3	R101 2850
2858	28.57 1-1/8	11-1/16	2-7/8	-	-	10	3	R101 2858
2900	29.00	281	73	-	-	10	3	R101 2900
2950	29.50	281	73	-	-	10	3	R101 2950
3000	30.00	281	73	-	-	10	3	R101 3000
3016	30.16 1-3/16	11-7/32	2-61/64	-	-	10	3	R101 3016
3050	30.50	285	75	-	-	10	3	R101 3050
3100	31.00	285	75	-	-	10	3	R101 3100
3150	31.50	285	75	-	-	10	3	R101 3150
3175	31.75 1-1/4	11-27/64	3-1/32	-	-	10	3	R101 3175
3200	32.00	317	77	-	-	10	4	R101 3200
3300	33.00	317	77	-	-	10	4	R101 3300
3334	33.34 1-5/16	12-31/64	3-1/32	-	-	10	4	R101 3334
3400	34.00	321	78	-	-	10	4	R101 3400
3493	34.92 1-3/8	12-41/64	3-1/16	-	-	10	4	R101 3493
3500	35.00	321	78	-	-	10	4	R101 3500
3600	36.00	325	79	-	-	12	4	R101 3600
3651	36.51 1-7/16	12-51/64	3-7/64	-	-	12	4	R101 3651
3700	37.00	325	79	-	-	12	4	R101 3700
3800	38.00	329	81	-	-	12	4	R101 3800
3810	38.10 1-1/2	12-61/64	3-1/4	-	-	12	4	R101 3810
3900	39.00	329	81	-	-	12	4	R101 3900
4000	40.00	329	81	-	-	12	4	R101 4000
4128	41.27 1-5/8	13-7/64	3-15/64	-	-	12	4	R101 4128
4445	44.45 1-3/4	13-7/32	3-17/64	-	-	12	4	R101 4445
4763	47.62 1-7/8	13-35/64	3-25/64	-	-	12	4	R101 4763
5080	50.80 2	13-35/64	3-25/64	-	-	12	4	R101 5080

Reamers Chucking



- Machine use
- Suitable for toolroom & workshop use
- Produces clean, accurate holes, to a H7 plus tolerance



Catalogue Code Size Ref.



Catalogue Code	R102
Discount Group	B0302
Material	HSS Co
Surface Finish	Brt
Colour Ring & Application	N
Geometry	L10

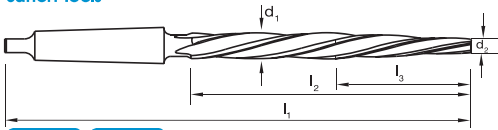
Size Ref.	d ₁	l ₁	l ₂	l ₃	d ₂	z	Item #
0200	2.00	49	11	-	2.0	3	R102 0200
0250	2.50	57	14	-	2.5	5	R102 0250
0300	3.00	61	15	-	3.0	5	R102 0300
0318	3.17 1/8	2-9/16	5/8	-	3.2	5	R102 0318
0350	3.50	70	18	-	3.5	5	R102 0350
0357	3.57 9/64	2-3/4	45/64	-	3.6	5	R102 0357
0397	3.97 5/32	2-61/64	3/4	-	4.0	6	R102 0397
0400	4.00	75	19	-	4.0	6	R102 0400
0437*	4.36 11/64	3-9/64	53/64	-	4.5	6	R102 0437
0450	4.50	80	21	-	4.5	6	R102 0450
0476	4.76 3/16	3-25/64	29/32	-	5.0	6	R102 0476
0500	5.00	86	23	-	5.0	6	R102 0500
0516	5.16 13/64	3-25/64	29/32	-	5.0	6	R102 0516
0550	5.50	93	26	-	5.6	6	R102 0550
0556*	5.56 7/32	3-21/32	1-1/64	-	5.6	6	R102 0556
0595	5.95 15/64	3-21/32	1-1/64	-	5.6	6	R102 0595
0600	6.00	93	26	-	5.6	6	R102 0600
0635	6.35 1/4	3-63/64	1-7/64	-	6.3	6	R102 0635
0650	6.50	101	28	-	6.3	6	R102 0650
0700	7.00	109	31	-	7.1	6	R102 0700
0750	7.50	109	31	-	7.1	6	R102 0750
0794	7.94 5/16	4-39/64	1-15/64	-	8.0	6	R102 0794
0800	8.00	117	33	-	8.0	6	R102 0800
0850	8.50	117	33	-	8.0	6	R102 0850
0900	9.00	125	36	-	9.0	6	R102 0900
0950	9.50	125	36	-	9.0	6	R102 0950
0953	9.52 3/8	5-15/64	1-1/2	-	10.0	6	R102 0953
1000	10.00	133	38	-	10.0	6	R102 1000
1050	10.50	133	38	-	10.0	6	R102 1050
1100	11.00	142	41	-	10.0	6	R102 1100
1111	11.11 7/16	5-19/32	1-5/8	-	10.0	6	R102 1111
1150	11.50	142	41	-	10.0	6	R102 1150
1200	12.00	151	44	-	10.0	6	R102 1200
1250	12.50	151	44	-	10.0	6	R102 1250
1270	12.70 1/2	5-61/64	1-47/64	-	10.0	6	R102 1270
1300	13.00	151	44	-	10.0	6	R102 1300
1350	13.50	160	47	-	12.5	6	R102 1350
1400	14.00	160	47	-	12.5	8	R102 1400
1429	14.29 9/16	6-3/8	1-31/32	-	12.5	8	R102 1429
1450	14.50	162	50	-	12.5	8	R102 1450
1500	15.00	162	50	-	12.5	8	R102 1500
1550	15.50	170	52	-	12.5	8	R102 1550
1588	15.87 5/8	6-45/64	2-3/64	-	12.5	8	R102 1588
1600	16.00	170	52	-	12.5	8	R102 1600

* Not available once current stock is depleted.

Reamers Bridge



- Machine use
- For opening out existing holes
- Ideal for alignment in fabrication & construction work



Catalogue Code Size Ref.

R300 **0300**

Item #



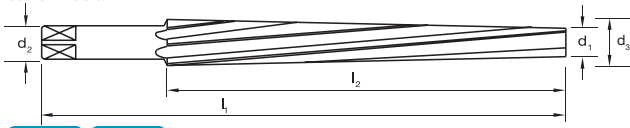
Catalogue Code	R104
Discount Group	B0302
Material	HSS
Surface Finish	Brt
Colour Ring & Application	N
Geometry	L15

Size Ref.	d ₁	l ₁	l ₂	l ₃	d ₂	z	MT #	Item #
1111	7/16	176	100	33	7.7	5	1	R104 1111
1270	1/2	199	105	39	8.1	5	2	R104 1270
1429	9/16	219	125	45	10.5	5	2	R104 1429
1588	5/8	229	135	48	11.2	5	2	R104 1588
1746	11/16	261	145	58	12.2	5	3	R104 1746
1905	3/4	271	155	62	13.8	5	3	R104 1905
2064	13/16	271	155	62	14.8	5	3	R104 2064
2223	7/8	281	165	66	15.4	5	3	R104 2223
2381	15/16	296	180	72	16.8	5	3	R104 2381
2540	1	296	180	72	18.8	5	3	R104 2540
2699	1-1/16	311	195	78	19.2	5	3	R104 2699
2858	1-1/8	311	195	78	21.2	5	3	R104 2858
3016	1-3/16	326	210	84	22.6	5	3	R104 3016
3175	1-1/4	354	210	84	23.6	5	4	R104 3175

Reamers Taper Pin



- For use by hand with suitable wrench
- For opening out parallel holes to suit 1:48 taper pins



Catalogue Code Size Ref.



Catalogue Code
Discount Group
Material
Surface Finish
Colour Ring & Application
Geometry

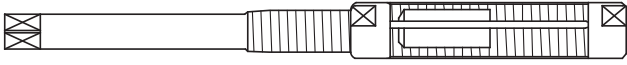
R105
B0302
HSS
Brt
N
L7

Size Ref.	BS Size #	Series	l_1	l_2	d_3	d_1	z	Item #
0238	3/32	5/0	2-1/4	1-1/4	0.095	0.0690	4	R105 0238
0278	7/64	4/0	2-1/2	1-1/2	0.111	0.0798	4	R105 0278
0318	1/8	3/0	2-3/4	1-3/4	0.127	0.0905	4	R105 0318
0357	9/64	2/0	2-7/8	1-7/8	0.143	0.1039	4	R105 0357
0397	5/32	0	3	2	0.158	0.1163	4	R105 0397
0437	11/64	1	3-1/2	2-1/4	0.174	0.1271	4	R105 0437
0476	3/16	2	4	2-3/4	0.195	0.1377	4	R105 0476
0556	7/32	3	4	2-3/4	0.220	0.1627	6	R105 0556
0635	1/4	4	4-5/8	3-3/8	0.253	0.1827	6	R105 0635
0714	9/32	5	5-5/8	4-1/8	0.292	0.2061	6	R105 0714
0873	11/32	6	6	4-1/2	0.347	0.2533	6	R105 0873
1032	13/32	7	7-1/2	5-3/4	0.412	0.2922	6	R105 1032
1270	1/2	8	8-1/4	6-1/2	0.506	0.3706	6	R105 1270
1429	9/16	9	8-1/2	6-3/4	0.571	0.4304	6	R105 1429
1905	3/4	10	10-3/4	8-3/4	0.760	0.5777	6	R105 1905
2223	7/8	11	12	9-1/2	0.885	0.6871	6	R105 2223

Reamers Adjustable



- For use by hand with suitable wrench
- General purpose
- Adjustable size range
- TCA (Tungsten Chrome Alloy)



Catalogue Code Size Ref.



Catalogue Code
Discount Group
Material
Surface Finish
Colour Ring & Application
Geometry



Size Ref.	Size	Range (mm)	Range (inch)	Item #	Item #	Item #	Item #
0635	MA8	6.35 - 7.15	1/4 - 9/32	R109 0635			
0715	MA7	7.15 - 7.95	9/32 - 5/16	R109 0715			
0795	MA6	7.95 - 8.70	5/16 - 11/32	R109 0795			
0870	MA5	8.70 - 9.50	11/32 - 3/8	R109 0870			
0950	MA4	9.50 - 10.25	3/8 - 13/32	R109 0950			
1025	MA3	10.25 - 11.00	13/32 - 7/16	R109 1025			
1100	MA2	11.00 - 12.00	7/16 - 15/32	R109 1100			
1200	MA	12.00 - 13.50	15/32 - 17/32	R109 1200	R110 1200	R111 1200	R112 1200
1350	MB	13.50 - 15.00	17/32 - 19/32	R109 1350	R110 1350	R111 1350	R112 1350
1500	MC	15.00 - 16.75	19/32 - 21/32	R109 1500	R110 1500	R111 1500	R112 1500
1675	MD	16.75 - 18.25	21/32 - 23/32	R109 1675	R110 1675	R111 1675	R112 1675
1825	ME	18.25 - 19.75	23/32 - 25/32	R109 1825	R110 1825	R111 1825	R112 1825
1975	MF	19.75 - 21.50	25/32 - 27/32	R109 1975	R110 1975	R111 1975	R112 1975
2150	MG	21.50 - 23.75	27/32 - 15/16	R109 2150	R110 2150	R111 2150	R112 2150
2375	MH	23.75 - 27.00	15/16 - 1-1/16	R109 2375	R110 2375	R111 2375	R112 2375
2700	MI	27.00 - 30.25	1-1/16 - 1-3/16	R109 2700	R110 2700	R111 2700	R112 2700
3025	MJ	30.25 - 34.25	1-3/16 - 1-11/32	R109 3025	R110 3025	R111 3025	R112 3025
3425	MK	34.25 - 38.00	1-11/32 - 1-1/2	R109 3425	R110 3425	R111 3425	R112 3425
3800	ML	38.00 - 46.00	1-1/2 - 1-13/16	R109 3800	R110 3800	R111 3800	R112 3800
4600	MM	46.00 - 56.00	1-13/16 - 2-7/32	R109 4600	R110 4600		R112 4600
5600	MN	56.00 - 69.75	2-7/32 - 2-3/4	R109 5600	R110 5600		R112 5600
6975	MO	69.75 - 85.00	2-3/4 - 3-11/32	R109 6975	R110 6975		R112 6975

Adjustable Reamer Set		Pieces	
M1	MA4 to ME (Reamers Only)	8	R109 M1
M2P	MA to MH (Reamers & Pilots)	16	R109 M2P
M3	MA4 to MH (Reamers Only)	11	R109 M3
M6	MA8 to MK (Reamers Only)	18	R109 M6
M8	MA to MI (Reamers Only)	9	R109 M8

Adjustable Reamer Pilot Set			
MA1	MA to MI (Pilots Only)	9	R111 MA1



R111 MA1

R109 M8