

Taper Shank Machine Reamers

Maschinen-Reibahlen mit Morsekegelschaft

Alésoirs à Machines avec Queue Cône-Morse

HSS



RANGE 1/8" to 2"

3mm to 50mm

LIST CODE B055

LEFT HAND SPIRAL

RIGHT HAND CUTTING

BS 122 PART 2 BS 328-4

TOLERANCE TO H7

Code	d1		Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes	Code	d1		Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes
	Inch	mm							Inch	mm					
B05500118M B05500125F	1/8	3.00	0.1181	33	112	1	4	B05500562F	9/16	14.29	0.5625	81	181	2	8
		3.17	0.1250						14.50	0.5709					
B05500137M B05500140F	9/64	3.50	0.1378	35	115	1	6	B05500578F	37/64	14.68	0.5781				
		3.57	0.1406							15.00	0.5906				
B05500156F B05500157M	5/32	3.97	0.1562	38	117	1	6	B05500593F	19/32	15.08	0.5938				
		4.00	0.1575						15.48	0.6094					
B05500171F B05500177M	11/64	4.37	0.1719	41	120	1	6	B05500609F	39/64	15.50	0.6102	87	187	2	8
		4.50	0.1772							15.87	0.6250				
B05500187F B05500196M B05500203F	3/16	4.76	0.1875	44	124	1	6	B05500625F	5/8	16.00	0.6299				
		5.00	0.1968							16.27	0.6406				
B05500216M B05500218F B05500234F B05500236M	7/32	5.50	0.2165	47	127	1	6	B05500640F	41/64	16.50	0.6496				
		5.56	0.2188							16.67	0.6562				
B05500250F B05500255M	1/4	6.35	0.2500	50	130	1	6	B05500656F	21/32	17.00	0.6693				
		6.50	0.2559							17.07	0.6719				
B05500265F B05500275M B05500281F B05500295M	17/64	6.75	0.2656	54	134	1	6	B05500671F	43/64	17.07	0.6719	93	193	2	8
		7.00	0.2756						17.46	0.6875					
B05500296F B05500312F B05500315M B05500328F B05500334M	19/64	7.54	0.2969	58	138	1	6	B05500703F	45/64	17.86	0.7031				
		7.94	0.3125							18.00	0.7087				
B05500343F B05500354M B05500359F B05500374M	11/32	8.73	0.3438	62	142	1	6	B05500718F	23/32	18.26	0.7188				
		9.00	0.3543							18.50	0.7283				
B05500375F B05500390F B05500393M B05500406F B05500413M	3/8	9.52	0.3750	66	146	1	6	B05500728M	47/64	18.65	0.7344				
		9.92	0.3906							19.00	0.7480				
B05500421F B05500433M B05500437F B05500452M B05500453F	27/64	10.72	0.4219	71	151	1	6	B05500734F	47/64	19.00	0.7480				
		11.00	0.4331							19.84	0.7812				
B05500468F B05500472M B05500484F B05500492M B05500500F B05500511M B05500515F	15/32	11.91	0.4688	76	156	1	6	B05500748M	47/64	19.84	0.7812	100	200	2	8
		12.00	0.4724							20.00	0.7874				
B05500531F B05500531M B05500546F	17/32	13.49	0.5312	81	161	1	6	B05500812F	13/16	20.64	0.8125				
		13.50	0.5315							21.00	0.8268				
B05500551M		14.00	0.5512	81	161	1	8	B05500826M	27/32	21.43	0.8438	107	207	2	8
								B05500834F		22.00	0.8661				
								B05500866M	7/8	22.22	0.8750				
								B05500875F		23.00	0.9055				
								B05500905M	29/32	23.02	0.9062				
								B05500906F		23.81	0.9375				
								B05500937F	15/16	24.00	0.9449	115	242	3	8
								B05500944M		24.61	0.9688				
								B05500968F	31/32	25.00	0.9843	115	242	3	10
								B05500984M							

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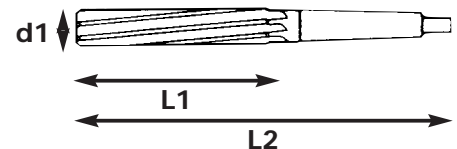
Code	d1		Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes	Code	d1		Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes
	Inch	mm							Inch	mm					
B05501000F B05501023M	1	25.40 26.00	1.0000 1.0236	115	242	3	10	B05501496M B05501500F B05501535M B05501574M B05501614M B05501625F B05501653M	1-1/2	38.00 38.10 39.00 40.00 41.00 41.27 42.00	1.4961 1.5000 1.5354 1.5748 1.6142 1.6250 1.6535	152	312	4	10
B05501062F B05501063M B05501102M B05501125F B05501141M B05501156F B05501181M	1-1/16 1-1/8 1-5/32	26.99 27.00 28.00 28.57 29.00 29.37 30.00	1.0625 1.0630 1.1024 1.1250 1.1417 1.1562 1.1811	124	251	3	10	B05501692M B05501732M B05501750F	1-3/4	43.00 44.00 44.45	1.6929 1.7323 1.7500	163	323	4	10
B05501187F B05501220M B05501250F	1-3/16 1-1/4	30.16 31.00 31.75	1.1875 1.2205 1.2500	133	260	3	10	B05501771M B05501811M B05501850M		45.00 46.00 47.00	1.7717 1.8110 1.8504	163	323	4	12
B05501259M B05501299M B05501312F	1-5/16	32.00 33.00 33.34	1.2598 1.2992 1.3125	133	293	4	10	B05501875F B05501889M B05501929M B05501968M B05502000F	1-7/8 2	47.62 48.00 49.00 50.00 50.80	1.8750 1.8898 1.9291 1.9685 2.0000	174	334	4	12
B05501338M B05501375F B05501378M B05501417M B05501437F B05501456M	1-3/8 1-7/16	34.00 34.92 35.00 36.00 36.51 37.00	1.3386 1.3750 1.3780 1.4173 1.4375 1.4567	142	302	4	10								

Taper Shank Machine Reamers will be supplied right hand cutting with left hand spiral flutes having a 45° bevel lead for machine use.

Tolerances: See notes on pages 35 and 36.

VARIANTS:

Type	Page Ref.
Special Diameter/Tolerance	22
Extra Length	17
Carbide Slug	17
Re-Grindable	18/19
Adjustable Floating Reamer	24/25



Straight Shank Machine Reamers

Maschinen-Reibahlen mit Zylinderschaft

Alésoirs à Machines à Queue Cylindrique

HSS

RANGE 1/16" to 5/8"

1.5mm to 16mm

LIST CODE B066

LEFT HAND SPIRAL

RIGHT HAND CUTTING

TOLERANCE TO H7



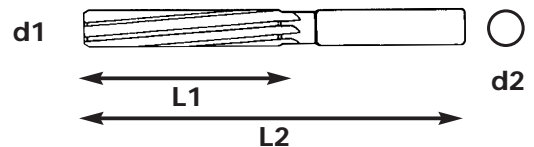
Code	d1		Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes	Code	d1		Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes
	Inch	mm							Inch	mm					
B06600059M B06600062F	1/16	1.50	0.0591	21	44	★	4	B06600236M		6.00	0.2362	47	93	★	6
		1.59	0.0625						6.35	0.2500					
B06600078F B06600079M	5/64	1.98	0.0781	25	50	★	4	B06600250F	1/4	6.35	0.2500	50	100	★	6
		2.00	0.0787						7.00	0.2756					
B06600093F B06600098M	3/32	2.38	0.0938	29	58	★	4	B06600275M B06600281F	9/32	7.14	0.2812	54	107	★	6
		2.50	0.0984							7.94	0.3125				
B06600109F B06600118M	7/64	2.78	0.1094	31	62	★	4	B06600312F B06600315M	5/16	8.00	0.3150	58	115	★	6
		3.00	0.1181							8.73	0.3438				
B06600125F	1/8	3.17	0.1250	33	66	★	4	B06600343F B06600354M	11/32	9.00	0.3543	62	124	★	6
B06600137M B06600140F	9/64	3.50	0.1378	35	71	★	4			9.52	0.3750				
		3.57	0.1406						10.00	0.3937					
B06600156F B06600157M	5/32	3.97	0.1562	38	76	★	6	B06600375F B06600393M B06600406F	3/8	10.32	0.4062	66	133	★	6
		4.00	0.1575							11.00	0.4331				
B06600171F B06600177M	11/64	4.37	0.1719	41	81	★	6	B06600437F	7/16	11.11	0.4375	71	142	★	6
		4.50	0.1772							12.00	0.4724				
B06600187F B06600196M B06600203F	3/16	4.76	0.1875	44	87	★	6	B06600472M B06600500F B06600511M	1/2	12.70	0.5000	76	152	★	6
		5.00	0.1968							13.00	0.5118				
B06600216M B06600218F B06600234F	7/32	5.50	0.2165	47	93	★	6	B06600551M B06600562F	9/16	14.29	0.5625	81	163	★	8
		5.56	0.2188							14.00	0.5512				
	5.95	0.2344		15.87	0.6250										
	15/64			16.00	0.6299										

★ Shank diameter (d2) = Nominal diameter (d1) -0.025mm

Tolerances: See notes on pages 35 and 36.

VARIANTS:

Type	Page Ref.
Special Diameter/Tolerance	23
Ex-Stock Intermediates	20
Solid Carbide	21



Chucking Reamers with Morse Taper Shank

Maschinen-Reibahlen mit Morsekegelschaft

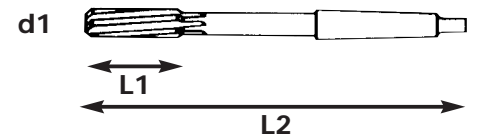
Alésoirs à Machines avec Queue Cône Morse

HSS-E Cobalt



RANGE 3mm to 50mm
 LIST CODE B208
 LEFT HAND SPIRAL
 RIGHT HAND CUTTING
 FORM B
 DIN 208
 TOLERANCE TO H7

Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes	Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes			
B20800118M	3.00	0.1181	15	113	1	6	B20800826M	21.00	0.8268	62	232	2	8			
B20800157M	4.00	0.1575	19	124	1	6	B20800866M	22.00	0.8661	64	237	2	8			
B20800177M	4.50	0.1772	23	133	1	6	B20800905M	23.00	0.9055	66	241	2	8			
B20800196M	5.00	0.1968					B20800944M	24.00	0.9449	68	268	3	8			
B20800216M	5.50	0.2165	26	138	1	6	B20800984M	25.00	0.9843	70	273	3	8			
B20800236M	6.00	0.2362					B20801023M	26.00	1.0236					71	277	3
B20800255M	6.50	0.2559	28	144	1	6	B20801063M	27.00	1.0630	71	277	3	10			
B20800275M	7.00	0.2756	31	150	1	6	B20801102M	28.00	1.1024					B20801141M	29.00	1.1417
B20800295M	7.50	0.2953					B20801181M	30.00	1.1811	73	281	3	10			
B20800315M	8.00	0.3150	33	156	1	6	B20801220M	31.00	1.2205	75	285	3	10			
B20800334M	8.50	0.3346					B20801259M	32.00	1.2598	77	317	4	10			
B20800354M	9.00	0.3543	36	162	1	6	B20801299M	33.00	1.2992					B20801338M	34.00	1.3386
B20800374M	9.50	0.3740					B20801378M	35.00	1.3780	78	321	4	10			
B20800393M	10.00	0.3937	38	168	1	6	B20801417M	36.00	1.4173	79	325	4	10			
B20800413M	10.50	0.4134					B20801456M	37.00	1.4567					B20801496M	38.00	1.4961
B20800433M	11.00	0.4331	41	175	1	6	B20801574M	40.00	1.5748	B20801653M	42.00	1.6535	82	333	4	12
B20800452M	11.50	0.4528					B20801732M	44.00	1.7323	83	336	4	12			
B20800472M	12.00	0.4724	44	182	1	6	B20801771M	45.00	1.7717					B20801811M	46.00	1.8110
B20800492M	12.50	0.4921					B20800511M	13.00	0.5118	B20801889M	48.00	1.8898	86	344	4	12
B20800551M	14.00	0.5512	47	189	1	8	B20801968M	50.00	1.9685							
B20800590M	15.00	0.5906	50	204	2	8										
B20800629M	16.00	0.6299	52	210	2	8										
B20800669M	17.00	0.6693	54	214	2	8										
B20800708M	18.00	0.7087	56	219	2	8										
B20800748M	19.00	0.7480	58	223	2	8										
B20800787M	20.00	0.7874	60	228	2	8										



Tolerances: See notes on pages 35 and 36.

Chucking Reamers with Morse Taper Shank

Maschinen-Reibahlen mit Morsekegelschaft

Alésoirs à Machines avec Queue Cône Morse

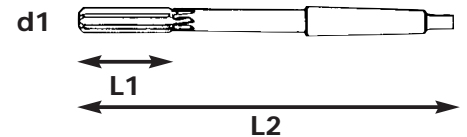
HSS-E Cobalt

RANGE 3mm to 25mm
 LIST CODE A208
 STRAIGHT FLUTE
 RIGHT HAND CUTTING
 FORM A
 DIN 208
 TOLERANCE TO H7



Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes	Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes
A20800118M	3.00	0.1181	15	113	1	6	A20800826M	21.00	0.8268	62	232	2	8
A20800157M	4.00	0.1575	19	124	1	6	A20800866M	22.00	0.8661	64	237	2	8
A20800177M	4.50	0.1772	23	133	1	6	A20800905M	23.00	0.9055	66	241	2	8
A20800196M	5.00	0.1968					A20800944M	24.00	0.9449	68	268	3	8
A20800216M	5.50	0.2165	26	138	1	6	A20800984M	25.00	0.9843				
A20800236M	6.00	0.2362											
A20800255M	6.50	0.2559	28	144	1	6							
A20800275M	7.00	0.2756	31	150	1	6							
A20800295M	7.50	0.2953											
A20800315M	8.00	0.3150	33	156	1	6							
A20800334M	8.50	0.3346											
A20800354M	9.00	0.3543	36	162	1	6							
A20800374M	9.50	0.3740											
A20800393M	10.00	0.3937	38	168	1	6							
A20800413M	10.50	0.4134											
A20800433M	11.00	0.4331	41	175	1	6							
A20800452M	11.50	0.4528											
A20800472M	12.00	0.4724	44	182	1	6							
A20800492M	12.50	0.4921											
A20800511M	13.00	0.5118											
A20800551M	14.00	0.5512	47	189	1	8							
A20800590M	15.00	0.5906	50	204	2	8							
A20800629M	16.00	0.6299	52	210	2	8							
A20800669M	17.00	0.6693	54	214	2	8							
A20800708M	18.00	0.7087	56	219	2	8							
A20800748M	19.00	0.7480	58	223	2	8							
A20800787M	20.00	0.7874	60	228	2	8							

Tolerances: See notes on pages 35 and 36.



Chucking Reamers with Morse Taper Shank

Maschinen-Reibahlen mit Morsekegelschaft

Alésoirs à Machines avec Queue Cône Morse

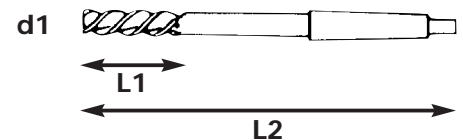
HSS-E Cobalt



RANGE 3mm to 32mm
LIST CODE Q208
LEFT HAND QUICK SPIRAL
RIGHT HAND CUTTING
FORM C
DIN 208
TOLERANCE TO H7

Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes	Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes			
Q20800118M	3.00	0.1181	15	113	1	4	Q20800826M	21.00	0.8268	62	232	2	6			
Q20800157M	4.00	0.1575	19	124	1	4	Q20800866M	22.00	0.8661	64	237	2	6			
Q20800177M	4.50	0.1772	23	133	1	4	Q20800905M	23.00	0.9055	66	241	2	6			
Q20800196M	5.00	0.1968					Q20800944M	24.00	0.9449	68	268	3	6			
Q20800216M	5.50	0.2165	26	138	1	4	Q20800984M	25.00	0.9843					Q20801023M	26.00	1.0236
Q20800236M	6.00	0.2362					Q20801063M	27.00	1.0630	71	277	3	6			
Q20800255M	6.50	0.2559	28	144	1	4	Q20801102M	28.00	1.1024					Q20801141M	29.00	1.1417
Q20800275M	7.00	0.2756	31	150	1	4	Q20801181M	30.00	1.1811	Q20801220M	31.00	1.2205	75	285	3	6
Q20800295M	7.50	0.2953					Q20800315M	8.00	0.3150	33	156	1	4	Q20801259M	32.00	1.2598
Q20800315M	8.00	0.3150	Q20800334M	8.50	0.3346	Q20800354M	9.00	0.3543	36					162	1	4
Q20800334M	8.50	0.3346	Q20800374M	9.50	0.3740	Q20800393M	10.00	0.3937		38	168	1	4			
Q20800354M	9.00	0.3543	Q20800413M	10.50	0.4134	Q20800433M	11.00	0.4331	41					175	1	4
Q20800374M	9.50	0.3740	Q20800452M	11.50	0.4528	Q20800472M	12.00	0.4724		44	182	1	4			
Q20800393M	10.00	0.3937	Q20800492M	12.50	0.4921	Q20800511M	13.00	0.5118								
Q20800413M	10.50	0.4134	Q20800551M	14.00	0.5512	47	189	1	4							
Q20800433M	11.00	0.4331	Q20800590M	15.00	0.5906	50	204	2	4							
Q20800452M	11.50	0.4528	Q20800629M	16.00	0.6299	52	210	2	6							
Q20800472M	12.00	0.4724	Q20800669M	17.00	0.6693	54	214	2	6							
Q20800492M	12.50	0.4921	Q20800708M	18.00	0.7087	56	219	2	6							
Q20800511M	13.00	0.5118	Q20800748M	19.00	0.7480	58	223	2	6							
Q20800551M	14.00	0.5512	Q20800787M	20.00	0.7874	60	228	2	6							

Tolerances: See notes on pages 35 and 36.



Chucking Reamers with Straight Shank

Maschinen-Reibahlen mit Zylinderschaft

Alésoirs à Machines avec Queue Cylindrique

HSS-E Cobalt

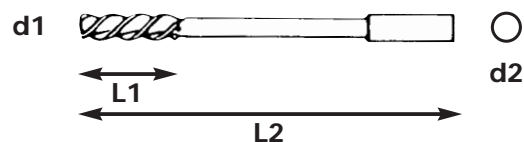
RANGE 2mm to 20mm
 LIST CODE Q212
 LEFT HAND QUICK SPIRAL
 RIGHT HAND CUTTING
 FORM E
 DIN 212
 TOLERANCE TO H7



Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes	Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes
Q21200079M	2.00	0.0787	11	49	2.00	4	Q21200354M	9.00	0.3543	36	125	9	4
Q21200086M	2.20	0.0866	12	53	2.20	4	Q21200393M	10.00	0.3937	38	133	10	4
Q21200098M	2.50	0.0984	14	57	2.50	4	Q21200433M	11.00	0.4331	41	142	10	4
Q21200110M	2.80	0.1102	15	61	2.80	4	Q21200472M	12.00	0.4724	44	151	10	4
Q21200118M	3.00	0.1181	16	65	3.00	4	Q21200511M	13.00	0.5118	47	160	12.5	4
Q21200126M	3.20	0.1260	18	70	3.20	4	Q21200551M	14.00	0.5512	50	162	12.5	4
Q21200137M	3.50	0.1378	19	75	3.50	4	Q21200590M	15.00	0.5906	52	170	12.5	6
Q21200157M	4.00	0.1575	21	80	4	4	Q21200629M	16.00	0.6299	54	175	14	6
Q21200177M	4.50	0.1772	23	86	4.5	4	Q21200669M	17.00	0.6693	56	182	14	6
Q21200196M	5.00	0.1968	26	93	5	4	Q21200708M	18.00	0.7087	58	189	16	6
Q21200216M	5.50	0.2165	31	109	5.6	4	Q21200748M	19.00	0.7480	60	195	16	6
Q21200236M	6.00	0.2362	33	117	6	4	Q21200787M	20.00	0.7874				
Q21200275M	7.00	0.2756			7.1	4							
Q21200315M	8.00	0.3150			8	4							

★ Shank diameter (d2) to h9 tolerance

Tolerances: See notes on pages 35 and 36.



Chucking Reamers with Straight Shank

Maschinen-Reibahlen mit Zylinderschaft

Alésoirs à Machines avec Queue Cylindrique

HSS-E Cobalt

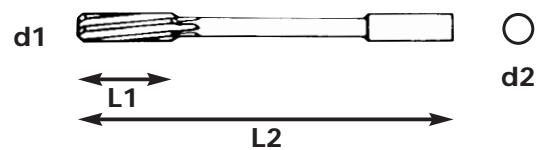
RANGE 1.4mm to 20mm
 LIST CODE B212
 LEFT HAND SPIRAL
 RIGHT HAND CUTTING
 FORMS B & D
 DIN 212
 TOLERANCE TO H7



Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes	Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes
B21200055M	1.40	0.0551	8	40	1.40	4	B21200354M	9.00	0.3543	36	125	9.0	6
B21200059M	1.50	0.0591	8	40	1.50	4	B21200393M	10.00	0.3937	38	133	10.0	6
B21200063M	1.60	0.0630	9	43	1.60	4	B21200433M	11.00	0.4331	41	142	10.0	6
B21200070M	1.80	0.0709	10	46	1.80	4	B21200472M	12.00	0.4724	44	151	10.0	6
B21200079M	2.00	0.0787	11	49	2.00	4	B21200511M	13.00	0.5118	44	151	10.0	6
B21200086M	2.20	0.0866	12	53	2.20	4	B21200551M	14.00	0.5512	47	160	12.5	8
B21200098M	2.50	0.0984	14	57	2.50	4	B21200590M	15.00	0.5906	50	162	12.5	8
B21200110M	2.80	0.1102	15	61	2.80	4	B21200629M	16.00	0.6299	52	170	12.5	8
B21200118M	3.00	0.1181	15	61	3.00	6	B21200669M	17.00	0.6693	54	175	14.0	8
B21200126M	3.20	0.1260	16	65	3.20	6	B21200708M	18.00	0.7087	56	182	14.0	8
B21200137M	3.50	0.1378	18	70	3.50	6	B21200748M	19.00	0.7480	58	189	16.0	8
B21200157M	4.00	0.1575	19	75	4.0	6	B21200787M	20.00	0.7874	60	195	16.0	8
B21200177M	4.50	0.1772	21	80	4.5	6							
B21200196M	5.00	0.1968	23	86	5.0	6							
B21200216M	5.50	0.2165	26	93	5.6	6							
B21200236M	6.00	0.2362	26	93	5.6	6							
B21200275M	7.00	0.2756	31	109	7.1	6							
B21200315M	8.00	0.3150	33	117	8.00	6							

★ Shank diameter (d2) to h9 tolerance

Tolerances: See notes on pages 35 and 36.



VARIANTS

Type	Page Ref.
Micro Reamers	20
Ex-Stock Cobalt Intermediates	21

Chucking Reamers with Straight Shank

Maschinen-Reibahlen mit Zylinderschaft

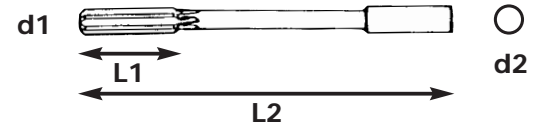
Alésoirs à Machines avec Queue Cylindrique

HSS-E Cobalt

RANGE 1.4mm to 20mm
 LIST CODE A212
 STRAIGHT FLUTE
 RIGHT HAND CUTTING
 FORMS A & C
 DIN 212
 TOLERANCE TO H7



Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes	Code	d1 mm	Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes
A21200055M	1.40	0.0551	8	40	1.40	4	A21200354M	9.00	0.3543	36	125	9.0	6
A21200059M	1.50	0.0591	8	40	1.50	4	A21200393M	10.00	0.3937	38	133	10.0	6
A21200063M	1.60	0.0630	9	43	1.60	4	A21200433M	11.00	0.4331	41	142	10.0	6
A21200070M	1.80	0.0709	10	46	1.80	4	A21200472M	12.00	0.4724	44	151	10.0	6
A21200079M	2.00	0.0787	11	49	2.00	4	A21200511M	13.00	0.5118	47	160	12.5	8
A21200086M	2.20	0.0866	12	53	2.20	4	A21200551M	14.00	0.5512	50	162	12.5	8
A21200098M	2.50	0.0984	14	57	2.50	4	A21200590M	15.00	0.5906	52	170	12.5	8
A21200110M	2.80	0.1102	15	61	2.80	4	A21200629M	16.00	0.6299	54	175	14.0	8
A21200118M	3.00	0.1181	15	61	3.00	6	A21200669M	17.00	0.6693	56	182	14.0	8
A21200126M	3.20	0.1260	16	65	3.20	6	A21200708M	18.00	0.7087	58	189	16.0	8
A21200137M	3.50	0.1378	18	70	3.50	6	A21200748M	19.00	0.7480	60	195	16.0	8
A21200157M	4.00	0.1575	19	75	4.0	6	A21200787M	20.00	0.7874	60	195	16.0	8
A21200177M	4.50	0.1772	21	80	4.5	6							
A21200196M	5.00	0.1968	23	86	5.0	6							
A21200216M	5.50	0.2165	26	93	5.6	6							
A21200236M	6.00	0.2362	26	93	5.6	6							
A21200275M	7.00	0.2756	31	109	7.1	6							
A21200315M	8.00	0.3150	33	117	8.00	6							



★ Shank diameter (d2) to h9 tolerance.
 Tolerances: See notes on pages 35 and 36.

Chucking Reamers with Straight Shank

Maschinen-Reibahlen mit Zylinderschaft

Alésoirs à Machines avec Queue Cylindrique

HSS-E Cobalt

RANGE 1/16" to 5/8"
 1.59mm to 15.87mm
 LIST CODE B212
 LEFT HAND SPIRAL
 RIGHT HAND CUTTING
 BS 328 PART 4/Similar to DIN 212
 TOLERANCE TO H7



Code	d1		Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes	Code	d1		Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes
	inch	mm							inch	mm					
B21200062F	1/16	1.59	0.0625	9	43	★	4	B21200343F	11/32	8.73	0.3438	36	125	★	6
B21200093F	3/32	2.38	0.0938	14	57	★	4	B21200375F	3/8	9.52	0.3750	38	133	★	6
B21200125F	1/8	3.17	0.1250	16	65	★	6	B21200406F	13/32	10.32	0.4062	41	142	★	6
B21200156F	5/32	3.97	0.1562	19	75	★	6	B21200437F	7/16	11.11	0.4375	44	151	★	6
B21200187F	3/16	4.76	0.1875	23	86	★	6	B21200468F	15/32	11.91	0.4688	50	162	★	8
B21200218F	7/32	5.56	0.2188	26	93	★	6	B21200500F	1/2	12.70	0.5000	52	170	★	8
B21200250F	1/4	6.35	0.2500	28	101	★	6	B21200562F	9/16	14.29	0.5625	52	170	★	8
B21200281F	9/32	7.14	0.2812	31	109	★	6	B21200625F	5/8	15.87	0.6250	52	170	★	8
B21200312F	5/16	7.94	0.3125	33	117	★	6								

★ Shank diameter (d2) = Nominal diameter (d1) - 0.025mm
 Tolerances: See notes on pages 35 and 36.



Taper Shank Extra Length Machine Reamers

Maschinen-Reibahlen mit Morsekegelschaft - Überlang

Alésoirs Extra Long à Machines à Queue Cône Morse

HSS and Carbide Slug Ended

RANGE 1/4 x 8 - 1-1/4 x 15

6 x 203 - 25 x 381

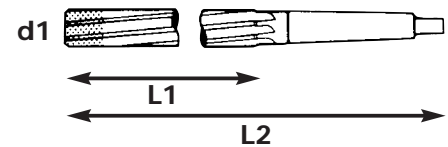
LIST CODES B057 AND B059

TOLERANCE TO H7



HSS Code	d1/L2 inch	d1/L2 mm	L1 mm	MTS	No. of Flutes	CARBIDE Code	d1/L2 inch	L1 mm	MTS	No. of Flutes	
B05702368M	1/4 x 8	6 x 203	124	1	6	B05902508F	1/4 x 8	124	1	6	
B05702360M		6 x 254	175			B05902500F	1/4 x 10	175			
B05702508F		124	B05903138F			5/16 x 8	124				
B05702500F		1/4 x 10	175			B05903750F	3/8 x 10	175			
B05703138F		5/16 x 8	124			B05903752F	3/8 x 12	225			
B05703158M		8 x 203	124			B05904380F	7/16 x 10	175			
B05703150M			8 x 254			175	B05905008F	1/2 x 8			124
B05703750F			3/8 x 10			175	B05905000F	1/2 x 10			175
B05703752F			3/8 x 12			225	B05905002F	1/2 x 12			225
B05703948M		7/16 x 10	10 x 203			124	2	8			B05906250F
B05703940M	10 x 254		175	B05906252F	5/8 x 12	205					
B05704330M	11 x 254		175	B05907502F	3/4 x 12	205					
B05704380F	175		B05908755F	7/8 x 15	281						
B05704728M	12 x 203		124	B05910005F	1 x 15	254					
B05704720M	12 x 254		175		B05911885F	1-3/16 x 15			254		
B05704722M	12 x 305	225	B05912505F		1-1/4 x 15	254					
B05705008F	1/2 x 8	124	3	10	10	10					
B05705000F	1/2 x 10	175									
B05705002F	1/2 x 12	225									
B05706250F	5/8 x 10	154									
B05706252F	5/8 x 12	205	2	8	8	8					
B05706300M	16 x 254	154									
B05706302M		16 x 305					205				
B05707502F	3/4 x 12	205									
B05708755F	7/8 x 15	281									
B05709845M	1 x 15	25 x 381	254	3	10	10					
B05710005F			254								
B05711885F			1-3/16 x 15				254				
B05712505F			1-1/4 x 15				254				

Other sizes available on request.



Taper Shank Machine Reamers

Maschinen-Reibahlen mit Morsekegelschaft

Alésoirs à Machines à Queue Cône Morse

Carbide Slug Ended

RANGE 1/4" to 1-1/4"

6mm to 16mm

LIST CODE B058

LEFT HAND SPIRAL

RIGHT HAND CUTTING

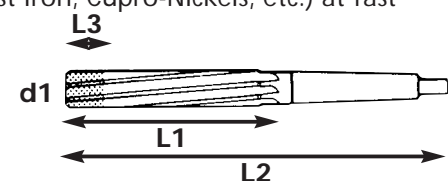
LENGTHS TO BS 328 PART 4

TOLERANCE TO H7



Code	d1 inch	d1 mm	Decimal Equiv.	L1 mm	L2 mm	L3 mm	MTS	No. of Flutes	Code	d1 inch	d1 mm	Decimal Equiv.	L1 mm	L2 mm	L3 mm	MTS	No. of Flutes
B05800236M	1/4	6	0.2362	50	130	8	1	4	B05800625F	5/8	16	0.6250	87	187	11	2	8
B05800250F			0.2500						B05800629M			0.6299					
B05800312F	5/16	8	0.3125	58	138	8	1	6	B05800687F	11/16		0.6875	93	193	12	2	8
B05800315M			0.3150						B05800750F			0.7500					
B05800375F	3/8	10	0.3750	66	146	8	1	6	B05800812F	13/16		0.8125	100	200	12.7	2	8
B05800393M			0.3937						B05800875F			0.8750					
B05800437F	7/16		0.4375	71	151	8	1	6	B05800937F	15/16		0.9375	115	242	14.3	3	8
B05800472M	1/2	12	0.4724	76	156	8.5	1	6	B05801000F	1		1.0000	115	242	15.9	3	10
B05800500F			0.5000						B05801125F			1.1250					
B05800562F	9/16		0.5625	81	181	9.5	2	8	B05801250F	1-1/4		1.2500	133	260	20.6	3	10

Carbide grade on all Reamers is for general purpose reaming. The Reamer having a solid carbide cutting head with a 45° cutting chamfer for machine use. Capable of reaming difficult materials (Cast Iron, Cupro-Nickels, etc.) at fast production rates giving long life and high surface finish.



Straight Shank Machine Reamers

Maschinen-Reibahlen mit Zylinderschaft (Hartmetall)

Alésoirs à Machines avec Queue Cylindrique (Carbure)

Solid Carbide K15

RANGE 1/8" to 1/2"
3mm to 12mm
LIST CODE SCAR
5° LEFT HAND SPIRAL
RIGHT HAND CUTTING
TOLERANCE TO H7

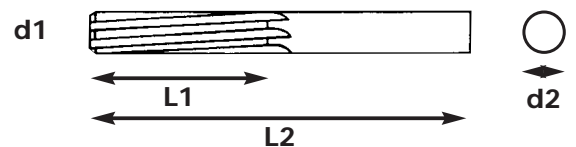


Code	d1		Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes	Code	d1		Decimal Equiv.	L1 mm	L2 mm	d2 mm	No. of Flutes
	inch	mm							inch	mm					
SCAR00118M	1/8	3.00	0.1181	16	57	★	4	SCAR00312F	5/16	7.94	0.3125	29	83	★	6
SCAR00125F		3.17	0.1250					SCAR0315M	8.00	0.3150					
SCAR00137M	5/32	3.50	0.1378	19	64	★	4	SCAR00334M	11/32	8.50	0.3346	32	89	★	6
SCAR00156F		3.97	0.1562					SCAR00343F		8.73	0.3438				
SCAR00157M		4.00	0.1575					SCAR00354M		9.00	0.3543				
SCAR00177M	3/16	4.50	0.1772	22	70	★	4	SCAR00374M	3/8	9.50	0.3740	35	95	★	6
SCAR00187F		4.76	0.1875					SCAR00375F		9.52	0.3750				
SCAR00196M	7/32	5.00	0.1968	25	76	★	4	SCAR00393M	13/32	10.00	0.3937	38	102	★	6
SCAR00216M		5.50	0.2165					SCAR00406F		10.32	0.4062				
SCAR00218F		5.56	0.2188					SCAR00413M		10.50	0.4134				
SCAR00236M		6.00	0.2362					SCAR00433M		11.00	0.4331				
SCAR00250F		6.35	0.2500					SCAR00437F		11.11	0.4375				
SCAR00255M	1/4	6.50	0.2559	29	83	★	6	SCAR00452M	7/16	11.50	0.4528	35	95	★	6
SCAR00275M		7.00	0.2756					SCAR00468F	15/32	11.91	0.4688				
SCAR00281F		7.14	0.2812					SCAR00472M	12.00	0.4721					
SCAR00295F		7.50	0.2953					SCAR00500F	1/2	12.70	0.5000				

★ Shank diameter (d2) = Nominal diameter (d1) -0.025mm. Tolerances: See notes on pages 35 and 36.

Carbide grade on all Reamers is to K15 for general purpose reaming and reaming of difficult materials (Cast Iron, Cupro-Nickels etc.) at fast production rates giving long life and high surface finish.

Special sizes available on request.



Taper Shank Re-Grindable Machine Reamers

Verstellbare Maschinen-Reibahlen mit Morsekegelschaft

Alésoirs à Machines Expansible avec Queue Cône Morse

Carbide Tipped

RANGE 3/8" to 2"

10mm to 50mm

LIST CODE B010

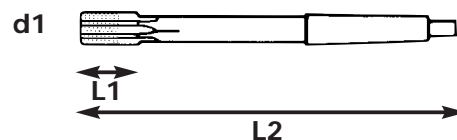
TYPE 109M

TOLERANCE TO H7



Code	d1		Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes	Code	d1		Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes
	Inch	mm							Inch	mm					
B01000375F	3/8		0.3750	25	178		6	B01001220M	1-1/4	31	1.2205	51	279	3	8
B01000393M		10	0.3937	25	178	1		B01001250F		32	1.2500	51	279		
B01000433M		11	0.4331	25	178			B01001259M			32	1.2598	51		
B01000437F	7/16		0.4375	25	178			B01001299M	1-5/16	33	1.2992	51	279	4	8
B0100472M	1/2	12	0.4724	25	216	2	B01001312F			33	1.3125	51	279		
B01000500F			13	0.5000	25		216	6	B01001338M	1-3/8	34	1.3386	51	305	4
B01000511M		14	0.5118	25	216	B01001375F	35		1.3750		51	305			
B01000551M	9/16	15	0.5512	25	216	B01001378M	1-7/16		36		1.4173	51	305		
B01000562F			15	0.5625	25	216			B01001417M		36	1.4173	51	305	
B01000590M	5/8	16	0.6250	25	216	2	B01001437F		36	1.4375	51	305	4	8	
B01000625F			16	0.6250	25		216	B01001456M	1-1/2	37	1.4567	57			305
B01000629M	11/16	17	0.6299	25	216	2	B01001496M			38	1.4961	57	305	4	8
B01000669M			17	0.6693	25		216	B01001500F		1-9/16	38	1.5000	57		
B01000687F		17	0.6875	25	216	2	B01001562F		40		1.5625	57	305	4	8
B01000708M	3/4	18	0.7087	28	241		2	B01001574M			40	1.5748	57		
B01000748M			19	0.7480	28	241		6	B01001625F	1-5/8	42	1.6250	64	330	4
B01000750F	13/16	20	0.7500	28	241	B01001653M	1-11/16		42		1.6535	64	330		
B01000787M			20	0.7874	28	241			B01001687F		42	1.6875	64	330	
B01000812F		21	0.8125	28	241	6	B01001732M		1-3/4	44	1.7323	64	330	4	10
B01000826M		21	0.8268	28	241		B01001750F			45	1.7500	64	330		
B01000866M	7/8	22	0.8661	32	254		3	B01001771M		1-13/16	46	1.7717	64		
B01000875F			22	0.8750	32			254	B01001811M			46	1.8110	64	330
B01000905M	15/16	23	0.9055	32	254	3	B01001812F		46	1.8125	64	330	4	10	
B01000937F			23	0.9375	32		254	B01001850M	1-7/8	47	1.8504	70			343
B01000944M		24	0.9449	32	254	6	B01001875F			48	1.8750	70	343	4	10
B01000984M	1	25	0.9843	38	254		3	B01001889M			48	1.8898	70		
B01001000F			25	1.0000	38			254	B01001968M	2	50	1.9685	76		
B01001023M	1-1/16	26	1.0236	38	254		3	B01002000F			50	2.0000	76	343	
B01001062F			26	1.0625	38	254		6							
B01001063M		27	1.0630	38	254										
B01001102M	1-1/8	28	1.1024	44	279	3									
B01001125F			28	1.1250	44		279								
B01001141M	1-3/16	29	1.1417	44	279	3									
B01001181M			29	1.1811	44		279								
B01001187F		30	1.1811	44	279										
		30	1.1811	44	279										
		30	1.1811	44	279										
		30	1.1811	44	279										

Tolerances: See notes on pages 35 and 36.



Taper Shank Re-Grindable Machine Reamers

Verstellbare Maschinen-Reibahlen mit Morsekegelschaft

Alésoirs à Machines Expansible avec Queue Cône Morse

HSS

RANGE 3/8" to 2"

10mm to 50mm

LIST CODE B009

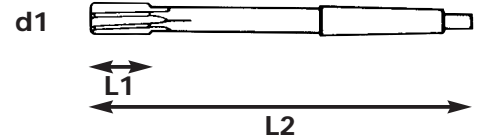
TYPE 109M

TOLERANCE TO H7



Code	d1		Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes	Code	d1		Decimal Equiv.	L1 mm	L2 mm	MTS	No. of Flutes
	Inch	mm							Inch	mm					
B00900375F	3/8		0.3750	25	178			B00901220M		31	1.2205	51	279		
B00900393M		10	0.3937	25	178	1	6	B00901250F	1-1/4		1.2500	51	279	3	8
B00900433M		11	0.4331	25	178			B00901259M		32	1.2598	51	279		
B00900437F	7/16		0.4375	25	178			B00901299M		33	1.2992	51	279	4	8
B00900472M		12	0.4724	25	216			B00901312F	1-5/16		1.3125	51	279		
B00900500F	1/2		0.5000	25	216			B00901338M		34	1.3386	51	305		
B00900511M		13	0.5118	25	216			B00901375F	1-3/8		1.3750	51	305		
B00900551M		14	0.5512	25	216			B00901378M		35	1.3780	51	305	4	8
B00900562F	9/16		0.5625	25	216	2	6	B00901417M		36	1.4173	51	305		
B00900590M		15	0.5906	25	216			B00901437F	1-7/16		1.4375	51	305		
B00900625F	5/8		0.6250	25	216			B00901456M		37	1.4567	57	305		
B00900629M		16	0.6299	25	216			B00901496M		38	1.4961	57	305		
B00900669M		17	0.6693	25	216			B00901500F	1-1/2		1.5000	57	305	4	8
B00900687F	11/16		0.6875	25	216			B00901562F	1-9/16		1.5625	57	305		
B00900708M		18	0.7087	28	241			B00901574M		40	1.5748	57	305		
B00900748M		19	0.7480	28	241			B00901625F	1-5/8		1.6250	64	330		
B00900750F	3/4		0.7500	28	241			B00901653M		42	1.6535	64	330		
B00900787M		20	0.7874	28	241	2	6	B00901687F	1-11/16		1.6875	64	330		
B00900812F	13/16		0.8125	28	241			B00901732M		44	1.7323	64	330	4	10
B00900826M		21	0.8268	28	241			B00901750F	1-3/4		1.7500	64	330		
B00900866M		22	0.8661	32	254			B00901771M		45	1.7717	64	330		
B00900875F	7/8		0.8750	32	254			B00901811M		46	1.8110	64	330		
B00900905M		23	0.9055	32	254	3	6	B00901812F	1-13/16		1.8125	64	330		
B00900937F	15/16		0.9375	32	254			B00901850M		47	1.8504	70	343		
B00900944M		24	0.9449	32	254			B00901875F	1-7/8		1.8750	70	343	4	10
B00900984M		25	0.9843	38	254			B00901889M		48	1.8898	70	343		
B00901000F	1		1.0000	38	254			B00901968M		50	1.9685	76	343	4	10
B00901023M		26	1.0236	38	254	3	6	B00902000F	2		2.0000	76	343		
B00901062F	1-1/16		1.0625	38	254										
B00901063M		27	1.0630	38	254										
B00901102M		28	1.1024	44	279										
B00901125F	1-1/8		1.1250	44	279										
B00901141M		29	1.1417	44	279	3	6								
B00901181M		30	1.1811	44	279										
B00901187F	1-3/16		1.1875	44	279										

Tolerances: See notes on pages 35 and 36.



Adjustable Floating Reamers

Verstellbore Pendelreibahlen

Alésoirs Flottant

A-F Reamers

HSS Blades S Type for Thro Holes

RANGE 1/2" to 4"

12.7mm to 101.6mm

LIST CODE FRSOHR

SPARES AVAILABLE



Code	Symbol	Range d1		L1	L2	Blade Length	End Cap Length	Morse Taper No.	Blade Set Code
		Inch	mm						
FRSS1HR	SS1	1/2-17/32	12.7-13.5	69.0	131.0	7.11	2.0	1	FRSS1HB
FRSS2HR	SS2	17/32-37/64	13.5-14.7	70.0	131.8	7.75	2.0	1	FRSS2HB
FRSS3HR	SS3	37/64-5/8	14.7-15.9	71.4	133.3	8.38	2.0	1	FRSS3HB
FRSS4HR	SS4	5/8-11/16	15.9-17.5	76.2	138.2	9.02	2.5	1	FRSS4HB
FRSS5HR	SS5	11/16-3/4	17.5-19.0	79.2	141.2	9.65	2.5	1	FRSS5HB
FRS01HR	S1	3/4-13/16	19.0-20.6	57.2	122.2	10.4	3.2	1	FRS01HB
FRS02HR	S2	13/16-7/8	20.6-22.2	57.2	122.2	10.4	3.2	1	FRS02HB
FRS03HR	S3	7/8-15/16	22.2-23.8	61.9	127.0	11.4	3.2	1	FRS03HB
FRS04HR	S4	15/16-1	23.8-25.4	61.9	127.0	11.4	3.2	1	FRS04HB
FRS05HR	S5	1-1.1/8	25.4-28.6	74.6	152.4	14.0	3.2	2	FRS05HB
FRS06HR	S6	1.1/8-1.1/4	28.6-31.8	74.6	153.2	14.0	4.0	2	FRS06HB
FRS07HR	S7	1.1/4-1.3/8	31.8-34.9	84.1	162.7	15.9	4.0	2	FRS07HB
FRS08HR	S8	1.3/8-1.1/2	34.9-38.1	84.1	163.5	15.9	4.8	2	FRS08HB
FRS09HR	S9	1.1/2-1.3/4	38.1-44.4	100.0	198.4	19.8	4.8	3	FRS09HB
FRS10HR	S10	1.3/4-2	44.4-50.8	103.2	201.6	22.2	5.6	3	FRS10HB
FRS11HR	S11	2-2.3/8	50.8-60.3	112.7	236.5	26.7	6.3	4	FRS11HB
FRS12HR	S12	2.3/8-2.3/4	60.3-69.8	114.3	238.1	26.7	6.3	4	FRS12HB
FRS13HR	S13	2.3/4-3.1/4	69.8-82.5	127.0	250.8	31.8	6.3	4	FRS13HB
FRS14HR	S14	3.1/4-4	82.5-101.6	149.2	274.6	36.5	7.9	4	FRS14HB

A-F Reamers

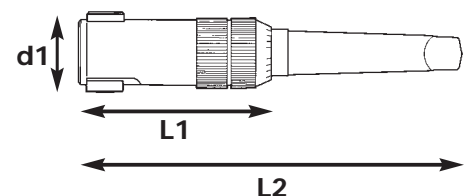
TCT Blades S Type for Thro Holes

RANGE 1/2" to 4"

12.7mm to 101.6mm

LIST CODE FRSOCR

Code	Symbol	Range d1		L1	L2	Blade Length	End Cap Length	Morse Taper No.	Blade Set Code
		Inch	mm						
FRSS1CR	SS1	1/2-17/32	12.7-13.5	69.0	131.0	7.11	2.0	1	FRSS1CB
FRSS2CR	SS2	17/32-37/64	13.5-14.7	70.0	131.8	7.75	2.0	1	FRSS2CB
FRSS3CR	SS3	37/64-5/8	14.7-15.9	71.4	133.3	8.38	2.0	1	FRSS3CB
FRSS4CR	SS4	5/8-11/16	15.9-17.5	76.2	138.2	9.02	2.5	1	FRSS4CB
FRSS5CR	SS5	11/16-3/4	17.5-19.0	79.2	141.2	9.65	2.5	1	FRSS5CB
FRS01CR	S1	3/4-13/16	19.0-20.6	57.2	122.2	10.4	3.2	1	FRS01CB
FRS02CR	S2	13/16-7/8	20.6-22.2	57.2	122.2	10.4	3.2	1	FRS02CB
FRS03CR	S3	7/8-15/16	22.2-23.8	61.9	127.0	11.4	3.2	1	FRS03CB
FRS04CR	S4	15/16-1	23.8-25.4	61.9	127.0	11.4	3.2	1	FRS04CB
FRS05CR	S5	1-1.1/8	25.4-28.6	74.6	152.4	14.0	3.2	2	FRS05CB
FRS06CR	S6	1.1/8-1.1/4	28.6-31.8	74.6	153.2	14.0	4.0	2	FRS06CB
FRS07CR	S7	1.1/4-1.3/8	31.8-34.9	84.1	162.7	15.9	4.0	2	FRS07CB
FRS08CR	S8	1.3/8-1.1/2	34.9-38.1	84.1	163.5	15.9	4.8	2	FRS08CB
FRS09CR	S9	1.1/2-1.3/4	38.1-44.4	100.0	198.4	19.8	4.8	3	FRS09CB
FRS10CR	S10	1.3/4-2	44.4-50.8	103.2	201.6	22.2	5.6	3	FRS10CB
FRS11CR	S11	2-2.3/8	50.8-60.3	112.7	236.5	26.7	6.3	4	FRS11CB
FRS12CR	S12	2.3/8-2.3/4	60.3-69.8	114.3	238.1	26.7	6.3	4	FRS12CB
FRS13CR	S13	2.3/4-3.1/4	69.8-82.5	127.0	250.8	31.8	6.3	4	FRS13CB
FRS14CR	S14	3.1/4-4	82.5-101.6	149.2	274.6	36.5	7.9	4	FRS14CB



Adjustable Floating Reamers

Verstellbare Pendelreibahlen

Alésoirs Flottant

A-F Reamers

HSS Blades SL Type for Blind Holes

RANGE 3/4" to 4"

19.0mm to 101.6mm

LIST CODE FRS0HLR

SPARES AVAILABLE



Code	Symbol	Range d1		L1	L2	Blade Length	Morse Taper No.	Blade Set Code
		Inch	mm					
FRS01HLR	SL1	3/4-13/16	19.0-20.6	60.8	125.8	14.0	1	FRS01HLB
FRS02HLR	SL2	13/16-7/8	20.6-22.2	60.8	125.8	14.0	1	FRS02HLB
FRS03HLR	SL3	7/8-15/16	22.2-23.8	65.7	130.8	15.2	1	FRS03HLB
FRS04HLR	SL4	15/16-1	23.8-25.4	65.7	130.8	15.2	1	FRS04HLB
FRS05HLR	SL5	1-1.1/8	25.4-28.6	78.5	156.3	17.9	2	FRS05HLB
FRS06HLR	SL6	1.1/8-1.1/4	28.6-31.8	79.0	157.6	18.4	2	FRS06HLB
FRS07HLR	SL7	1.1/4-1.3/8	31.8-34.9	88.5	167.1	20.3	2	FRS07HLB
FRS08HLR	SL8	1.3/8-1.1/2	34.9-38.1	89.4	168.8	21.2	2	FRS08HLB
FRS09HLR	SL9	1.1/2-1.3/4	38.1-44.4	105.6	204.0	25.4	3	FRS09HLB
FRS10HLR	SL10	1.3/4-2	44.4-50.8	109.1	207.5	28.1	3	FRS10HLB
FRS11HLR	SL11	2-2.3/8	50.8-60.3	119.7	243.5	33.7	4	FRS11HLB
FRS12HLR	SL12	2.3/8-2.3/4	60.3-69.8	121.3	245.1	33.7	4	FRS12HLB
FRS13HLR	SL13	2.3/4-3.1/4	69.8-82.5	134.1	257.9	38.9	4	FRS13HLB
FRS14HLR	SL14	3.1/4-4	82.5-101.6	158.2	283.6	45.5	4	FRS14HLB

A-F Reamers

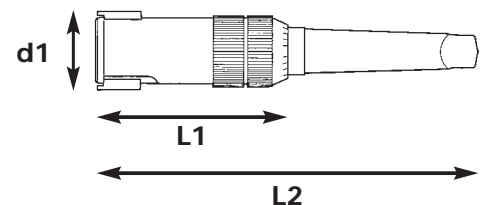
TCT Blades SL Type for Blind Holes

RANGE 3/4" to 4"

19.0mm to 101.6mm

LIST CODE FRS0CLR

Code	Symbol	Range d1		L1	L2	Blade Length	Morse Taper No.	Blade Set Code
		Inch	mm					
FRS01CLR	SL1	3/4-13/16	19.0-20.6	60.8	125.8	14.0	1	FRS01CLB
FRS02CLR	SL2	13/16-7/8	20.6-22.2	60.8	125.8	14.0	1	FRS02CLB
FRS03CLR	SL3	7/8-15/16	22.2-23.8	65.7	130.8	15.2	1	FRS03CLB
FRS04CLR	SL4	15/16-1	23.8-25.4	65.7	130.8	15.2	1	FRS04CLB
FRS05CLR	SL5	1-1.1/8	25.4-28.6	78.5	156.3	17.9	2	FRS05CLB
FRS06CLR	SL6	1.1/8-1.1/4	28.6-31.8	79.0	157.6	18.4	2	FRS06CLB
FRS07CLR	SL7	1.1/4-1.3/8	31.8-34.9	88.5	167.1	20.3	2	FRS07CLB
FRS08CLR	SL8	1.3/8-1.1/2	34.9-38.1	89.4	168.8	21.2	2	FRS08CLB
FRS09CLR	SL9	1.1/2-1.3/4	38.1-44.4	105.6	204.0	25.4	3	FRS09CLB
FRS10CLR	SL10	1.3/4-2	44.4-50.8	109.1	207.5	28.1	3	FRS10CLB
FRS11CLR	SL11	2-2.3/8	50.8-60.3	119.7	243.5	33.7	4	FRS11CLB
FRS12CLR	SL12	2.3/8-2.3/4	60.3-69.8	121.3	245.1	33.7	4	FRS12CLB
FRS13CLR	SL13	2.3/4-3.1/4	69.8-82.5	134.1	257.9	38.9	4	FRS13CLB
FRS14CLR	SL14	3.1/4-4	82.5-101.6	158.2	283.6	45.5	4	FRS14CLB



Straight Shank 3 Flute Countersinks - 90° & 60°

Kegelsenker mit Zylinderschaft, mit 3 Schneiden

Coniques à Ébavurer avec Queue Cylindrique, 3 Dents

HSS-E Cobalt

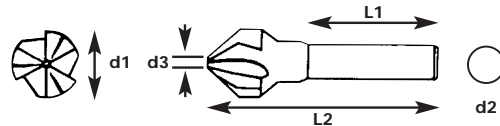


RANGE 8mm to 25mm
LIST CODE SSCS.9 - 90°
BS 328:PART 5 1983

90° Code	d1 mm	d3 mm	d2 mm	L1 mm	L2 mm
SSCS08009M	8.0	1.6	8	32	44
SSCS10009M	10.0	2.0	8	32	46
SSCS12509M	12.5	2.5	8	32	48
SSCS16009M	16.0	3.2	10	36	56
SSCS20009M	20.0	4.0	10	36	60
SSCS25009M	25.0	7.0	10	36	65

Boxed Sets

90° Code	Range	No. of C/sks
SSCS009SET	8.0mm to 25.00mm	6



RANGE 8mm to 25mm
LIST CODE SSCS.6 - 60°
BS 328:PART 5 1983

60° Code	d1 mm	d3 mm	d2 mm	L1 mm	L2 mm
SSCS08006M	8.0	1.6	8	32	48
SSCS10006M	10.0	2.0	8	32	50
SSCS12506M	12.5	2.5	8	32	52
SSCS16006M	16.0	3.2	10	36	60
SSCS20006M	20.0	4.0	10	36	64
SSCS25006M	25.0	7.0	10	36	69

Boxed Sets

60° Code	Range	No. of C/sks
SSCS006SET	8.0mm to 25.00mm	6