

# High Helix Jobber Length Drill

## Style R10H, R18H, A108

	HSS	HSS
	ANSI	DIN 338
	4XD	4XD
	118°	135°
	W	W
	R10H R18H	A108
	N80 - 1/2	1.00 - 16.00
	97	97
1.1	108I	115I
1.2	92I	98I
1.3		82G
1.4		66F
1.5		43E
1.6		30D
1.7		
1.8		
2.1		49E
2.2		30G
2.3		33D
2.4		
3.1	82F	98H
3.2	66D	79F
3.3	52C	66E
3.4	33C	46E
4.1	49C	82G
4.2		52E
4.3		23B
5.1	23E	39G
5.2		23G
5.3		20E
6.1	115H	108G
6.2	118G	115I
6.3		102H
6.4		52G
7.1	148J	108J
7.2	115J	98I
7.3	98G	89H
7.4	95G	79F
8.1	138J	98J
8.2	131I	92H
8.3	66G	46F
9.1		10B
10.1		

### How To Use This Chart:

1. Determine your Workpiece Material from the Application Material Groups (AMG) below.
2. Use the Icons to find Product Features.
3. Find the Surface Feet Per Minute (SFM) and Alpha Code  
 example: 361W  
 361 = SFM  
 W = Alpha Code used to find your Feed Rate

## Feed Rate Chart

Alpha Code	Feed in Inches per Revolution (IPR) ± 25%															Ø Diameter				
	1mm/ 1/32"	2mm/ 3/32"	3mm/ 1/8"	4mm/ 5/32"	5mm/ 3/16"	6mm/ 1/4"	8mm/ 5/16"	10mm/ 3/8"	12mm/ 1/2"	15mm/ 9/16"	16mm/ 5/8"	20mm/ 3/4"	25mm/ 1"	30mm/ 1.1/8"	40mm/ 1.5/8"	50mm/ 2"				
A	0.0004	0.0009	0.0011	0.0013	0.0014	0.0017	0.0021	0.0024	0.0027	0.0032	0.0034	0.0043	0.0049	0.0053	0.0061	0.0069				
B	0.0006	0.0011	0.0015	0.0016	0.0018	0.0021	0.0026	0.0031	0.0035	0.0041	0.0043	0.0053	0.0060	0.0065	0.0074	0.0082				
C	0.0006	0.0013	0.0017	0.0020	0.0022	0.0025	0.0031	0.0039	0.0043	0.0049	0.0051	0.0063	0.0071	0.0077	0.0087	0.0094				
D	0.0006	0.0015	0.0021	0.0024	0.0027	0.0031	0.0039	0.0047	0.0051	0.0059	0.0061	0.0074	0.0083	0.0090	0.0100	0.0108				
E	0.0007	0.0017	0.0024	0.0028	0.0031	0.0037	0.0045	0.0055	0.0059	0.0068	0.0071	0.0085	0.0094	0.0102	0.0112	0.0122				
F	0.0007	0.0020	0.0029	0.0033	0.0037	0.0043	0.0054	0.0065	0.0070	0.0080	0.0083	0.0098	0.0108	0.0116	0.0126	0.0135				
G	0.0007	0.0022	0.0033	0.0038	0.0043	0.0050	0.0063	0.0075	0.0081	0.0091	0.0094	0.0110	0.0122	0.0130	0.0140	0.0148				
H	0.0008	0.0026	0.0040	0.0046	0.0051	0.0059	0.0075	0.0090	0.0096	0.0107	0.0110	0.0126	0.0140	0.0148	0.0157	0.0165				
I	0.0008	0.0030	0.0047	0.0053	0.0059	0.0068	0.0087	0.0104	0.0110	0.0122	0.0126	0.0142	0.0157	0.0165	0.0173	0.0181				
J	0.0009	0.0033	0.0053	0.0060	0.0067	0.0078	0.0098	0.0117	0.0124	0.0137	0.0142	0.0159	0.0175	0.0183	0.0191	0.0198				
K	0.0010	0.0036	0.0059	0.0067	0.0075	0.0087	0.0110	0.0130	0.0138	0.0153	0.0157	0.0177	0.0193	0.0201	0.0209	0.0215				
L	0.0011	0.0040	0.0065	0.0073	0.0082	0.0094	0.0120	0.0142	0.0152	0.0165	0.0169	0.0191	0.0207	0.0215	0.0224	0.0231				
M	0.0012	0.0043	0.0071	0.0080	0.0089	0.0102	0.0130	0.0154	0.0165	0.0177	0.0181	0.0205	0.0220	0.0228	0.0238	0.0248				
N	0.0013	0.0047	0.0077	0.0086	0.0095	0.0110	0.0140	0.0165	0.0179	0.0189	0.0193	0.0219	0.0234	0.0242	0.0253	0.0265				
S	0.0003	0.0006	0.0008	0.0010	0.0012	0.0015	0.0020	0.0031	0.0039	0.0048	0.0051	0.0059	0.0070	0.0070	0.0090					
T	0.0006	0.0011	0.0016	0.0020	0.0024	0.0028	0.0035	0.0043	0.0051	0.0063	0.0067	0.0075	0.0080	0.0090	0.0100					
U	0.0010	0.0019	0.0028	0.0031	0.0035	0.0042	0.0055	0.0067	0.0079	0.0088	0.0091	0.0094	0.0110	0.0120	0.0140					
V	0.0015	0.0027	0.0039	0.0045	0.0051	0.0060	0.0079	0.0098	0.0110	0.0122	0.0126	0.0134	0.0160	0.0170	0.0200					
W	0.0019	0.0035	0.0051	0.0059	0.0067	0.0079	0.0102	0.0130	0.0150	0.0165	0.0169	0.0177	0.0190	0.0190	0.0200					
X	0.0022	0.0041	0.0059	0.0071	0.0083	0.0098	0.0130	0.0165	0.0189	0.0210	0.0217	0.0228								
Y	0.0027	0.0049	0.0071	0.0087	0.0102	0.0125	0.0169	0.0217	0.0276	0.0276	0.0276	0.0291								
Z	0.0037	0.0068	0.0098	0.0128	0.0157	0.0210	0.0315	0.0394	0.0433	0.0463	0.0472	0.0472								

### How To Use This Chart to Find Cutting Feed Rate (IPR):

1. Find your Alpha Code on the AMG Chart (example: 279 U : U is the Alpha Code)
2. Find the closest diameter for your cutting application on the chart to find your IPR

Application Material Groups (AMG)		Hardness HRC	ISO
1. Steel	1.1 Magnetic soft steel	12L14, 12L15	<120 HB P 1
	1.2 Structural Steel/ case carburising steel	1005-1025, 1214, 1215, A36	<200 HB P 1
	1.3 Plain Carbon steel	1030-1060, 1050-1060, 1144-1146	<24 P 2
	1.4 Alloy steel	4140,4340,52100,8620 H11-H41,A2,D2,01,P20,420	<24 P 3
	1.5 Alloy steel/ Hardened and tempered steel	4140,4340,52100,8620 H11-H41,A2,D2,01,P20,420	>24<38 P 4
	1.6 Alloy steel/ Hardened and tempered steel	4140,4340,52100,8620 H11-H41,A2,D2,01,P20,420	>38 H 1
	1.7 Alloy steel Hardened	A2-D2, H10-H41, L1-L6, M1-M42, T1	49-55 H 3
	1.8 Alloy steel Hardened	A2-D2, H10-H41, L1-L6, M1-M42, T1	55-63 H 4
2. Stainless Steel	2.1 Free machining Stainless Steel	200, 303, 416, 420F, 430F, 440	<24 M 1
	2.2 Austenitic	301, 302, 304, 316, 321, 330, CUSTOM 455, AM-350	<24 M 3
	2.3 Ferritic + Austenitic, Martensitic	318-329, 400-446, DUPLEX	<32 M 2
	2.4 Precipitation Hardened	15-5PH, Custom 450 17-4PH	<32 S 2
3. Cast Iron	3.1 Lamellar graphite	Grey, G10, Gg40, J431C, A48 CLASS 20	<150 HB K 1
	3.2 Lamellar graphite	Grey, GG25-Gg40, J158, A48 CLASS 40-60	>150 HB<32 K 2
	3.3 Nodular graphite/ Malleable Cast Iron	A220, A436, A439, A602, Black, GGG40-GGG70	<200 HB K 3
	3.4 Nodular graphite/ Malleable Cast Iron	Black Gts/Gtw, J434C	>200 HB<32 K 4
4. Titanium	4.1 Titanium, unalloyed	Commercially Pure	<200 HB S 1
	4.2 Titanium, alloyed	6Al4V, 6A14V-2Sn, Monel, Monel K	<28 S 2
	4.3 Titanium, alloyed	6Al4V-4Mo, 7A14V-4Mo, 4911-4967	>28<38 S 3
5. Nickel	5.1 Nickel, unalloyed	Commercially Pure, 17644, 200, 5553	<150 HB S 1
	5.2 Nickel, alloyed	Monel 400, Hastelloy C, Inconel 625, Waspaloy	<28 S 2
	5.3 Nickel, alloyed	Inconel 718, Nimonic 75-95, Rene 41, Inconel 825, A286	>28<38 S 3
6. Copper	6.1 Copper	Commercially Pure	<100 HB N 3
	6.2 β-Brass, Bronze	314-340, 350-370	<200 HB N 4
	6.3 α-Brass	Alloyed Cu + Al + Fe, Long Chipping	<200 HB N 3
	6.4 High Strength Bronze	Ampco 18-25	<49 N 4
7. Aluminium Magnesium	7.1 Al, Mg, unalloyed	Commercially Pure	<100 HB N 1
	7.2 Al alloyed, Si<0.5%	6061 T6, 7075, 314-340	<150 HB N 1
	7.3 Al alloyed, Si>0.5%<10%	6061 T6, 380-390	<120 HB N 1
	7.4 Al alloyed, Si>10% Mg alloys	Magnesium Whisker Reinforced	<120 HB N 2
8. Synthetic Materials	8.1 Thermoplastics	Ultradim, Polystrol	---
	8.2 Thermosetting plastics	Bakelit, Pertinax	---
	8.3 Reinforced plastic materials	CFK, GFKAFK	---
9. Hard Mat.	9.1 Cermets (Metal-ceramics)	Ferrotic	<54 H
10. Graphite	10.1 Standard graphite		---

## High Helix Jobber Length

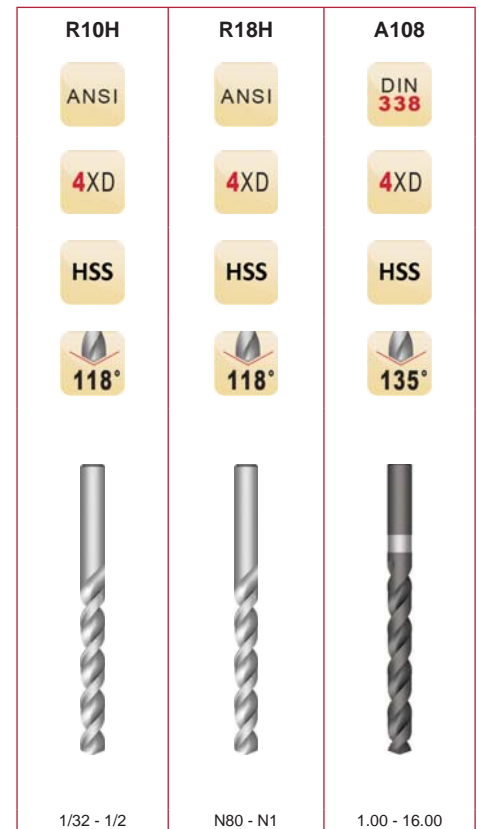
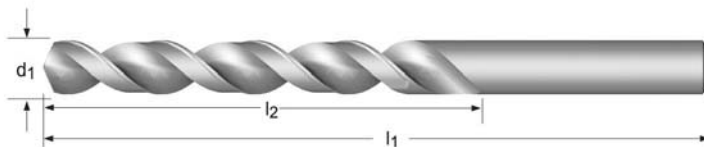
**R10H** - Fractional Sizes

**R18H** - Wire Gauge Sizes

High Helix and Bright Finish for better chip flow in soft or non-ferrous materials.

**A108** - Metric Sizes

Low thrust design self centering Split Point for easier penetration. Steam Oxide for increased wear resistance & lubricity. Fast spiral for stainless.



$d_1$ Ø Inch	$d_1$ Ø Nr.	$d_1$ Ø mm	$d_1$ decimal Inch	$l_2$ Inch	$l_2$ mm	$l_1$ Inch	$l_1$ mm	Pack Qty	R10H	R18H	A108
	80		0.0135	1/8		3/4		12	—	018580	—
	79		0.0145	1/8		3/4		12	—	018579	—
	78		0.0160	3/16		7/8		12	—	018578	—
	77		0.0180	3/16		7/8		12	—	018577	—
	76		0.0200	3/16		7/8		12	—	018576	—
	75		0.0210	1/4		1"		12	—	018575	—
	74		0.0225	1/4		1"		12	—	018574	—
	73		0.0240	5/16		1.1/8		12	—	018573	—
	72		0.0250	5/16		1.1/8		12	—	018572	—
	71		0.0260	3/8		1.1/4		12	—	018571	—
	70		0.0280	3/8		1.1/4		12	—	018570	—
	69		0.0292	1/2		1.3/8		12	—	018569	—
	68		0.0310	1/2		1.3/8		12	—	018568	—
1/32			0.0313	1/2		1.3/8		12	010502	—	—
	67		0.0320	1/2		1.3/8		12	—	018567	—
	66		0.0330	1/2		1.3/8		12	—	018566	—
	65		0.0350	5/8		1.1/2		12	—	018565	—
	64		0.0360	5/8		1.1/2		12	—	018564	—
	63		0.0370	5/8		1.1/2		12	—	018563	—
	62		0.0380	5/8		1.1/2		12	—	018562	—
	61		0.0390	11/16		1.5/8		12	—	018561	—
		1.00	0.0394		12		34	10	—	—	0007549
	60		0.0400	11/16		1.5/8		12	—	018560	—
	59		0.0410	11/16		1.5/8		12	—	018559	—
	58		0.0420	11/16		1.5/8		12	—	018558	—
	57		0.0430	3/4		1.3/4		12	—	018557	—
		1.10	0.0433		14		36	10	—	—	0007556
	56		0.0465	3/4		1.3/4		12	—	018556	—
3/64			0.0469	3/4		1.3/4		12	010503	—	—
		1.20	0.0472		16		38	10	—	—	0007563
		1.30	0.0512		16		38	10	—	—	0007570
	55		0.0520	7/8		1.7/8		12	—	018555	—
	54		0.0550	7/8		1.7/8		12	—	018554	—



# JOBBER DRILL



d <sub>1</sub> Ø Inch	d <sub>1</sub> Ø Nr.	d <sub>1</sub> Ø mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> Inch	l <sub>2</sub> mm	l <sub>1</sub> Inch	l <sub>1</sub> mm	Pack Qty	R10H	R18H	A108
		1.40	0.0551		18		40	10	—	—	0007587
		1.50	0.0591		18		40	10	—	—	0007594
	53		0.0595	7/8		1.7/8		12	—	018553	—
1/16			0.0625	7/8		1.7/8		12	010504	—	—
1/16			0.0625		20		43	10	—	—	0007723
		1.60	0.0630		20		43	10	—	—	0007600
	52		0.0635	7/8		1.7/8		12	—	018552	—
		1.70	0.0669		20		43	10	—	—	0007617
	51		0.0670	1"		2"		12	—	018551	—
	50		0.0700	1"		2"		12	—	018550	—
		1.80	0.0709		22		46	10	—	—	0007624
	49		0.0730	1"		2"		12	—	018549	—
		1.90	0.0748		22		46	10	—	—	0007631
	48		0.0760	1"		2"		12	—	018548	—
5/64			0.0781	1"		2"		12	010505	—	—
5/64			0.0781		24		49	10	—	—	0008478
	47		0.0785	1"		2"		12	—	018547	—
		2.00	0.0787		24		49	10	—	—	0007969
	46		0.0810	1.1/8		2.1/8		12	—	018546	—
	45		0.0820	1.1/8		2.1/8		12	—	018545	—
		2.10	0.0827		24		49	10	—	—	0007976
	44		0.0860	1.1/8		2.1/8		12	—	018544	—
		2.20	0.0866		27		53	10	—	—	0007983
	43		0.0890	1.1/4		2.1/4		12	—	018543	—
		2.30	0.0906		27		53	10	—	—	0007990
	42		0.0935	1.1/4		2.1/4		12	—	018542	—
3/32			0.0938	1.1/4		2.1/4		12	010506	—	—
3/32			0.0938		30		57	10	—	—	0008232
		2.40	0.0945		30		57	10	—	—	0008003
	41		0.0960	1.3/8		2.3/8		12	—	018541	—
	40		0.0980	1.3/8		2.3/8		12	—	018540	—
		2.50	0.0984		30		57	10	—	—	0008010
	39		0.0995	1.3/8		2.3/8		12	—	018539	—
	38		0.1015	1.7/16		2.1/2		12	—	018538	—
		2.60	0.1024		30		57	10	—	—	0008027
	37		0.1040	1.7/16		2.1/2		12	—	018537	—
		2.70	0.1063		33		61	10	—	—	0008034
	36		0.1065	1.7/16		2.1/2		12	—	018536	—
7/64			0.1094	1.1/2		2.5/8		12	010507	—	—
7/64			0.1094		33		61	10	—	—	0008706
	35		0.1100	1.1/2		2.5/8		12	—	018535	—
		2.80	0.1102		33		61	10	—	—	0008041
	34		0.1110	1.1/2		2.5/8		12	—	018534	—
	33		0.1130	1.1/2		2.5/8		12	—	018533	—
		2.90	0.1142		33		61	10	—	—	0008058
	32		0.1160	1.5/8		2.3/4		12	—	018532	—
		3.00	0.1181		33		61	10	—	—	0008119
	31		0.1200	1.5/8		2.3/4		12	—	018531	—
		3.10	0.1220		36		65	10	—	—	0008126
1/8			0.1250	1.5/8		2.3/4		12	010508	—	—
1/8			0.1250		36		65	10	—	—	0007945
		3.20	0.1260		36		65	10	—	—	0008133
	30		0.1285	1.5/8		2.3/4		12	—	018530	—
		3.30	0.1299		36		65	10	—	—	0008140
		3.40	0.1339		39		70	10	—	—	0008157
	29		0.1360	1.3/4		2.7/8		12	—	018529	—
		3.50	0.1378		39		70	10	—	—	0008164
	28		0.1405	1.3/4		2.7/8		12	—	018528	—
9/64			0.1406	1.3/4		2.7/8		12	010509	—	—
9/64			0.1406		39		70	10	—	—	0008928
		3.60	0.1417		39		70	10	—	—	0008171
	27		0.1440	1.7/8		3"		12	—	018527	—
		3.70	0.1457		39		70	10	—	—	0008188
	26		0.1470	1.7/8		3"		12	—	018526	—
	25		0.1495	1.7/8		3"		12	—	018525	—
		3.80	0.1496		43		75	10	—	—	0008195

d <sub>1</sub> Ø Inch	d <sub>1</sub> Ø Nr.	d <sub>1</sub> Ø mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> Inch	l <sub>2</sub> mm	l <sub>1</sub> Inch	l <sub>1</sub> mm	Pack Qty	R10H	R18H	A108
	24		0.1520	2"		3.1/8		12	—	018524	—
		3.90	0.1535		43		75	10	—	—	0008201
	23		0.1540	2"		3.1/8		12	—	018523	—
5/32			0.1563	2"		3.1/8		12	010510	—	—
5/32			0.1563		43		75	10	—	—	0008461
	22		0.1570	2"		3.1/8		12	—	018522	—
		4.00	0.1575		43		75	10	—	—	0008256
	21		0.1590	2.1/8		3.1/4		12	—	018521	—
	20		0.1610	2.1/8		3.1/4		12	—	018520	—
		4.10	0.1614		43		75	10	—	—	0008263
		4.20	0.1654		43		75	10	—	—	0008270
	19		0.1660	2.1/8		3.1/4		12	—	018519	—
		4.30	0.1693		47		80	10	—	—	0008287
	18		0.1695	2.1/8		3.1/4		12	—	018518	—
11/64			0.1719	2.1/8		3.1/4		12	010511	—	—
11/64			0.1719		47		80	10	—	—	0007730
	17		0.1730	2.3/16		3.3/8		12	—	018517	—
		4.40	0.1732		47		80	10	—	—	0008294
	16		0.1770	2.3/16		3.3/8		12	—	018516	—
		4.50	0.1772		47		80	10	—	—	0008300
	15		0.1800	2.3/16		3.3/8		12	—	018515	—
		4.60	0.1811		47		80	10	—	—	0008317
	14		0.1820	2.3/16		3.3/8		12	—	018514	—
	13		0.1850	2.5/16		3.1/2		12	—	018513	—
		4.70	0.1850		47		80	10	—	—	0008324
3/16			0.1875	2.5/16		3.1/2		12	010512	—	—
3/16			0.1875		52		86	10	—	—	0008218
	12		0.1890	2.5/16		3.1/2		12	—	018512	—
		4.80	0.1890		52		86	10	—	—	0008331
	11		0.1910	2.5/16		3.1/2		12	—	018511	—
		4.90	0.1929		52		86	10	—	—	0008348
	10		0.1935	2.7/16		3.5/8		12	—	018510	—
	10		0.1935		52		86	10	—	—	46305901
	9		0.1960	2.7/16		3.5/8		12	—	018509	—
		5.00	0.1969		52		86	10	—	—	0008355
	8		0.1990	2.7/16		3.5/8		12	—	018508	—
		5.10	0.2008		52		86	10	—	—	0008362
	7		0.2010	2.7/16		3.5/8		12	—	018507	—
13/64			0.2031	2.7/16		3.5/8		12	010513	—	—
13/64			0.2031		52		86	10	—	—	0007839
	6		0.2040	2.1/2		3.3/4		12	—	018506	—
		5.20	0.2047		52		86	10	—	—	0008379
	5		0.2055	2.1/2		3.3/4		12	—	018505	—
		5.30	0.2087		52		86	10	—	—	0008386
	4		0.2090	2.1/2		3.3/4		12	—	018504	—
		5.40	0.2126		57		93	10	—	—	0008393
	3		0.2130	2.1/2		3.3/4		12	—	018503	—
		5.50	0.2165		57		93	10	—	—	0008409
7/32			0.2188	2.1/2		3.3/4		12	010514	—	—
7/32			0.2188					10	—	—	0008690
		5.60	0.2205		57		93	10	—	—	0008416
	2		0.2210	2.5/8		3.7/8		12	—	018502	—
		5.70	0.2244		57		93	10	—	—	0008423
	1		0.2280	2.5/8		3.7/8		12	—	018501	—
		5.80	0.2283		57		93	10	—	—	0008430
		5.90	0.2323		57		93	10	—	—	0008447
15/64			0.2344	2.5/8		3.7/8		12	010515	—	—
15/64			0.2344		57		93	10	—	—	46305902
		6.00	0.2362		57		93	10	—	—	0008485
		6.10	0.2402		63		101	10	—	—	0008492
		6.20	0.2441		63		101	10	—	—	0008508
		6.30	0.2480		63		101	10	—	—	0008515
1/4			0.2500	2.3/4		4"		12	010516	—	—
1/4			0.2500		63		101	10	—	—	0007846
		6.40	0.2520		63		101	10	—	—	0008522

d <sub>1</sub> Ø Inch	d <sub>1</sub> Ø Nr.	d <sub>1</sub> Ø mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> Inch	l <sub>2</sub> mm	l <sub>1</sub> Inch	l <sub>1</sub> mm	Pack Qty	R10H	R18H	A108
		6.50	0.2559		63		101	10	—	—	0008539
		6.60	0.2598		63		101	10	—	—	0008546
		6.70	0.2638		63		101	10	—	—	0008553
17/64			0.2656	2.7/8		4.1/8		12	010517	—	—
17/64			0.2656		69		109	10	—	—	46305903
		6.80	0.2677		69		109	10	—	—	0008560
		6.90	0.2717		69		109	10	—	—	0008577
		7.00	0.2756		69		109	10	—	—	0008584
		7.10	0.2795		69		109	10	—	—	0008591
9/32			0.2813	2.15/16		4.1/4		12	010518	—	—
9/32			0.2813		69		109	10	—	—	0008911
		7.20	0.2835		69		109	10	—	—	0008607
		7.30	0.2874		69		109	10	—	—	0008614
		7.40	0.2913		69		109	10	—	—	0008621
		7.50	0.2953		69		109	10	—	—	0008638
19/64			0.2969	3.1/16		4.3/8		12	010519	—	—
19/64			0.2969		75		117	10	—	—	46305904
		7.60	0.2992		75		117	10	—	—	0008645
		7.70	0.3031		75		117	10	—	—	0008652
		7.80	0.3071		75		117	10	—	—	0008669
		7.90	0.3110		75		117	10	—	—	0008676
5/16			0.3125	3.3/16		4.1/2		6	010520	—	—
5/16			0.3125		75		117	10	—	—	0008454
		8.00	0.3150		75		117	10	—	—	0008713
		8.10	0.3189		75		117	10	—	—	0008720
		8.20	0.3228		75		117	10	—	—	0008737
		8.30	0.3268		75		117	10	—	—	0008744
21/64			0.3281	3.5/16		4.5/8		6	010521	—	—
21/64			0.3281		75		117	10	—	—	46305905
		8.40	0.3307		75		117	10	—	—	0008751
		8.50	0.3346		75		117	10	—	—	0008768
		8.60	0.3386		81		125	10	—	—	0008775
		8.70	0.3425		81		125	10	—	—	0008782
11/32			0.3437	3.7/16		4.3/4		6	010522	—	—
11/32			0.3437		81		125	10	—	—	0007716
		8.80	0.3465		81		125	10	—	—	0008799
		8.90	0.3504		81		125	10	—	—	0008805
		9.00	0.3543		81		125	10	—	—	0008812
		9.10	0.3583		81		125	10	—	—	0008829
23/64			0.3594	3.1/2		4.7/8		6	010523	—	—
23/64			0.3594		81		125	10	—	—	46305906
		9.20	0.3622		81		125	10	—	—	0008836
		9.30	0.3661		81		125	10	—	—	0008843
		9.40	0.3701		81		125	10	—	—	0008850
		9.50	0.3740		81		125	10	—	—	0008867
3/8			0.3750	3.5/8		5"		6	010524	—	—
3/8			0.3750		87		133	10	—	—	0008249
		9.60	0.3780		87		133	10	—	—	0008874
		9.70	0.3819		87		133	10	—	—	0008881
		9.80	0.3858		87		133	10	—	—	0008898
		9.90	0.3898		87		133	10	—	—	0008904
25/64			0.3906	3.3/4		5.1/8		6	010525	—	—
25/64			0.3906		87		133	10	—	—	46305907
		10.00	0.3937		87		133	10	—	—	0007648
		10.20	0.4016		87		133	5	—	—	0007655
13/32			0.4063	3.7/8		5.1/4		6	010526	—	—
13/32			0.4063		87		133	5	—	—	0007822
		10.50	0.4134		87		133	5	—	—	0007662
27/64			0.4219	3.15/16		5.3/8		6	010527	—	—
27/64			0.4219		94		142	5	—	—	46305908
		10.80	0.4252		94		142	5	—	—	0007679
		11.00	0.4331		94		142	5	—	—	0007686
7/16			0.4375	4.1/16		5.1/2		6	010528	—	—
7/16			0.4375		94		142	5	—	—	0008683
		11.50	0.4528		94		142	5	—	—	0007693

d <sub>1</sub> Ø Inch	d <sub>1</sub> Ø Nr.	d <sub>1</sub> Ø mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> Inch	l <sub>2</sub> mm	l <sub>1</sub> Inch	l <sub>1</sub> mm	Pack Qty	R10H	R18H	A108
29/64			0.4531	4.3/16		5.5/8		6	010529	—	—
29/64			0.4531		94		142	5	—	—	46305909
		11.80	0.4646		94		142	5	—	—	0007709
15/32			0.4687	4.5/16		5.3/4		6	010530	—	—
15/32			0.4687		101		151	5	—	—	0007907
		12.00	0.4724		101		151	5	—	—	0007754
31/64			0.4844	4.3/8		5.7/8		6	010531	—	—
31/64			0.4844		101		151	5	—	—	46305920
		12.50	0.4921		101		151	5	—	—	0007778
1/2			0.5000	4.1/2		6		5	0010532	—	—
1/2			0.5000		101		151	5	—	—	0007747
		12.80	0.5039		101		151	5	—	—	0007785
		12.90	0.5079		101		151	5	—	—	0007792
		13.00	0.5118		101		151	5	—	—	0007808
		13.50	0.5315		108		160	5	—	—	0007815
		14.00	0.5512		108		160	5	—	—	0007853
		14.50	0.5709		114		169	1	—	—	0007860
		15.00	0.5906		114		169	1	—	—	0007877
		15.25	0.6004		120		178	1	—	—	0007884
		15.50	0.6102		120		178	1	—	—	0007891
		16.00	0.6299		120		178	1	—	—	0007921