



Threading

CARBON

TAPS & DIES – BULK

Metric Coarse	62 & 63
Metric Fine	62 & 63
UNC	64 & 65
UNF	64 & 65
BSW	66 & 67
BSF	66 & 67
BSPF (G Series)	68 & 69
BSPT (Rc Series)	68 & 69
NPT	68 & 69
NPSF	68

CARBON

TAPS & DIES – CARDED

Metric Coarse	70 & 71
Metric Fine	70 & 71
UNC	72 & 73
UNF	72 & 73
BSW	72 & 73
BSPF (G Series)	74
BSPT (Rc Series)	74
NPT	74

Kits	75
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HSS

TAPS – BULK

Metric Coarse	76
Metric Fine	76
UNC	77
UNF	77
BSW	78
BSF	78
BSPF (G Series)	79
BSPT (Rc Series)	79
NPT	79
NPSF	79

HSS

TAPS – CARDED

Metric Coarse	80
UNC	80
UNF	80
BSW	80

HSSE

MACHINE TAPS – BULK

Metric Coarse	82
Metric Fine	82
UNC	83
UNF	83

Cutting Lubricant	81
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Wrenches	84
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Bulk

Carbon Taps



BULK

METRIC COARSE

Thread ø mm	Pitch mm	OAL mm	Drill Size mm	 Taper	 Intermediate	 Bottoming	SETS
M2	0.40	41	1.6	MCCT020	MCCI020	MCCB020	MCCS020
M3	0.50	48	2.5	MCCT030*	MCCI030*	MCCB030*	MCCS030
M4	0.70	53	3.3	MCCT040*	MCCI040*	MCCB040*	MCCS040
M5	0.80	58	4.2	MCCT050*	MCCI050*	MCCB050*	MCCS050
M6	1.00	66	5.0	MCCT060*	MCCI060*	MCCB060*	MCCS060
M7	1.00	66	6.0	MCCT070*	MCCI070*	MCCB070*	MCCS070
M8	1.25	72	6.8	MCCT080*	MCCI080*	MCCB080*	MCCS080
M9	1.25	72	7.8	MCCT090	MCCI090	MCCB090	MCCS090
M10	1.50	80	8.5	MCCT100*	MCCI100*	MCCB100*	MCCS100
M11	1.50	85	9.5	MCCT110	MCCI110	MCCB110	MCCS110
M12	1.75	89	10.2	MCCT120*	MCCI120*	MCCB120*	MCCS120
M14	2.00	95	12.0	MCCT140*	MCCI140*	MCCB140*	MCCS140
M16	2.00	102	14.0	MCCT160*	MCCI160*	MCCB160*	MCCS160
M18	2.50	112	15.5	MCCT180*	MCCI180*	MCCB180*	MCCS180
M20	2.50	112	17.0	MCCT200*	MCCI200*	MCCB200*	MCCS200
M22	2.50	118	19.5	MCCT220*	MCCI220*	MCCB220*	MCCS220
M24	3.00	130	21.0	MCCT240*	MCCI240*	MCCB240*	MCCS240
M27	3.00	135	24.0	MCCT270*	MCCI270*	MCCB270*	
M30	3.50	138	26.5	MCCT300	MCCI300	MCCB300	
M33	3.50	151	29.5	MCCT330	MCCI330	MCCB330	
M36	4.00	162	32.0	MCCT360	MCCI360	MCCB360	

BULK – 1 PCE

Supplied in plastic pack



BULK – TAP SET

Supplied 3 tap types per pack

METRIC FINE

Thread ø mm	Pitch mm	OAL mm	Drill Size mm	 Taper	 Intermediate	 Bottoming	SETS
MF8	1.00	72	7.0	MFCT080100	MFCI080100*	MFCB080100*	MFCS080100
MF10	1.00	80	9.0	MFCT100100*#	MFCI100100*#	MFCB100100#	MFCS100100#
MF10	1.25	80	8.8	MFCT100125*	MFCI100125*	MFCB100125*	MFCS100125
MF12	1.25	89	10.8	MFCT120125#	MFCI120125*#	MFCB120125#	MFCS120125#
MF12	1.50	89	10.5	MFCT120150	MFCI120150*	MFCB120150*	MFCS120150
MF14	1.25	95	12.8	MFCT140125*#	MFCI140125*#	MFCB140125*#	MFCS140125#
MF14	1.50	95	12.5	MFCT140150*	MFCI140150*	MFCB140150*	MFCS140150
MF16	1.50	102	14.5	MFCT160150*^	MFCI160150*^	MFCB160150*^	MFCS160150^
MF18	1.50	112	16.5	MFCT180150*#	MFCI180150*#	MFCB180150*#	MFCS180150#
MF20	1.50	112	18.5	MFCT200150*^	MFCI200150*^	MFCB200150*^	MFCS200150^
MF22	1.50	118	20.5	MFCT220150*	MFCI220150*	MFCB220150*	MFCS220150
MF24	2.00	130	22.0	MFCT240200*	MFCI240200*	MFCB240200*	MFCS240200
MF25	1.50	130	23.5	MFCT250150*^	MFCI250150*^	MFCB250150*^	MFCS250150^
MF32	1.50	151	30.0	MFCT320150^	MFCI320150^	MFCB320150^	

*Available carded - see page 70

#Spark Plug ^Conduit

Carbon Dies



BULK

METRIC COARSE

Thread ø mm	Pitch mm	 1" OD	 1 1/2" OD	 2" OD	 Nut
M2	0.40	BDMCC020-1			
M3	0.50	BDMCC030-1*			DNMCC030
M4	0.70	BDMCC040-1*	BDMCC040-1.5*		DNMCC040
M5	0.80	BDMCC050-1*	BDMCC050-1.5*		DNMCC050*
M6	1.00	BDMCC060-1*	BDMCC060-1.5*		DNMCC060*
M7	1.00	BDMCC070-1*	BDMCC070-1.5*		DNMCC070*
M8	1.25	BDMCC080-1*	BDMCC080-1.5*		DNMCC080*
M9	1.25	BDMCC090-1*	BDMCC090-1.5*		DNMCC090
M10	1.50	BDMCC100-1*	BDMCC100-1.5*	BDMCC100-2	DNMCC100*
M11	1.50	BDMCC110-1*	BDMCC110-1.5*		
M12	1.75	BDMCC120-1*	BDMCC120-1.5*	BDMCC120-2	DNMCC120*
M14	2.00		BDMCC140-1.5*	BDMCC140-2	DNMCC140*
M16	2.00		BDMCC160-1.5*	BDMCC160-2	DNMCC160*
M18	2.50			BDMCC180-2	DNMCC180
M20	2.50			BDMCC200-2	DNMCC200
M22	2.50			BDMCC220-2	DNMCC220
M24	3.00			BDMCC240-2	DNMCC240
M27	3.00				DNMCC270
M30	3.50				DNMCC300
M33	3.50				DNMCC330
M36	4.00				DNMCC360

METRIC FINE

Thread ø mm	Pitch mm	 1" OD	 1 1/2" OD	 2" OD	 Nut
MF8	1.00	BDMFC080-1*	BDMFC080-1.5*		DNMFC080
MF10	1.00	BDMFC100100-1*#	BDMFC100100-1.5*#		DNMFC100100*#
MF10	1.25	BDMFC100125-1*	BDMFC100125-1.5*		DNMFC100125
MF12	1.25	BDMFC120125-1*#	BDMFC120125-1.5*#	BDMFC120125-2*#	DNMFC120125*#
MF12	1.50	BDMFC120150-1*	BDMFC120150-1.5*	BDMFC120150-2*	DNMFC120150
MF14	1.25		BDMFC140125-1.5*#	BDMFC140125-2*#	
MF14	1.50		BDMFC140150-1.5*	BDMFC140150-2*	DNMFC140150
MF16	1.50			BDMFC160-2*^	DNMFC160^
MF18	1.50			BDMFC180-2*#	DNMFC180*#
MF20	1.50			BDMFC200-2*^	DNMFC200^
MF22	1.50			BDMFC220-2	DNMFC220
MF24	2.00			BDMFC240-2	DNMFC240
MF25	1.50			BDMFC250-2^	DNMFC250^

*Available carded- see page 71

#Spark Plug ^Conduit



BULK - 1 PCE

Supplied in plastic pack

Bulk

Carbon Taps



BULK

UNC Unified National Coarse

ISO 529

Thread ø	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
5G	40	48	2.6	UNCCT5G	UNCCI5G	UNCCB5G	UNCCS5G
6G	32	50	2.8	UNCCT6G	UNCCI6G	UNCCB6G	UNCCS6G
8G	32	53	3.5	UNCCT8G	UNCCI8G	UNCCB8G	UNCCS8G
10G	24	58	3.9	UNCCT10G*	UNCCI10G*	UNCCB10G*	UNCCS10G
12G	24	62	4.5	UNCCT12G	UNCCI12G	UNCCB12G	UNCCS12G
3/16"	24 (UNS)	58	3.7	UNCCT316	UNCCI316*	UNCCB316*	UNCCS316
1/4"	20	66	5.1	UNCCT14*	UNCCI14*	UNCCB14*	UNCCS14
5/16"	18	72	6.6	UNCCT516*	UNCCI516*	UNCCB516*	UNCCS516
3/8"	16	80	8.0	UNCCT38*	UNCCI38*	UNCCB38*	UNCCS38
7/16"	14	85	9.4	UNCCT716*	UNCCI716*	UNCCB716*	UNCCS716
1/2"	13	89	10.8	UNCCT12*	UNCCI12*	UNCCB12*	UNCCS12
9/16"	12	95	12.2	UNCCT916*	UNCCI916*	UNCCB916*	UNCCS916
5/8"	11	102	13.5	UNCCT58*	UNCCI58*	UNCCB58*	UNCCS58
3/4"	10	112	16.5	UNCCT34*	UNCCI34*	UNCCB34*	UNCCS34
7/8"	9	118	19.5	UNCCT78*	UNCCI78*	UNCCB78*	UNCCS78
1"	8	130	22.0	UNCCT1*	UNCCI1*	UNCCB1*	UNCCS1
1 1/8"	7	138	25.0	UNCCT1-18	UNCCI1-18	UNCCB1-18	
1 1/4"	7	151	28.0	UNCCT1-14	UNCCI1-14	UNCCB1-14	



BULK - 1 PCE

Supplied in plastic pack



BULK - TAP SET

Supplied 3 tap types per pack

UNF Unified National Fine

ISO 529

Thread ø	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
5G	44	48	2.7	UNFCT5G	UNFCI5G	UNFCB5G	UNFCS5G
6G	40	50	2.9	UNFCT6G	UNFCI6G	UNFCB6G	UNFCS6G
8G	36	53	3.5	UNFCT8G	UNFCI8G	UNFCB8G	UNFCS8G
10G	32	58	4.1	UNFCT10G	UNFCI10G	UNFCB10G	UNFCS10G
12G	28	62	4.7	UNFCT12G	UNFCI12G	UNFCB12G	UNFCS12G
3/16"	32 (UNS)	58	4.1	UNFCT316	UNFCI316	UNFCB316	UNFCS316
1/4"	28	66	5.5	UNFCT14*	UNFCI14*	UNFCB14*	UNFCS14
5/16"	24	72	6.9	UNFCT516*	UNFCI516*	UNFCB516*	UNFCS516
3/8"	24	80	8.5	UNFCT38*	UNFCI38*	UNFCB38*	UNFCS38
7/16"	20	85	9.9	UNFCT716*	UNFCI716*	UNFCB716*	UNFCS716
1/2"	20	89	11.5	UNFCT12*	UNFCI12*	UNFCB12*	UNFCS12
9/16"	18	95	12.9	UNFCT916*	UNFCI916*	UNFCB916*	UNFCS916
5/8"	18	102	14.5	UNFCT58*	UNFCI58*	UNFCB58*	UNFCS58
3/4"	16	112	17.5	UNFCT34*	UNFCI34*	UNFCB34*	UNFCS34
7/8"	14	118	20.5	UNFCT78*	UNFCI78*	UNFCB78*	UNFCS78
1"	12	130	23.0	UNFCT1X12*	UNFCI1X12*	UNFCB1X12*	UNFCS1X12
	14	130	23.0	UNSC1X14*	UNSCI1X14*	UNSCB1X14*	UNSCS1X14
1 1/8"	12	138	26.5	UNFCT1-18	UNFCI1-18	UNFCB1-18	
1 1/4"	12	151	29.5	UNFCT1-14	UNFCI1-14	UNFCB1-14	
1 3/8"							
1 1/2"	12	170	36	UNFCT1-12	UNFCI1-12	UNFCB1-12	

*Available carded- see page 72

Carbon Dies



Bulk

BULK

UNC Unified National Coarse



Thread Ø	TPI	1" OD	1 1/2" OD	2" OD	Nut
5G	40	BDUNCC5G-1			
6G	32	BDUNCC6G-1			
8G	32	BDUNCC8G-1			
10G	24	BDUNCC10G-1			
12G	24	BDUNCC12G-1			
3/16"					
1/4"	20	BDUNCC14-1*	BDUNCC14-1.5*		DNUNCC14*
5/16"	18	BDUNCC516-1*	BDUNCC516-1.5*		DNUNCC516*
3/8"	16	BDUNCC38-1*	BDUNCC38-1.5*		DNUNCC38*
7/16"	14	BDUNCC716-1*	BDUNCC716-1.5*		DNUNCC716*
1/2"	13	BDUNCC12-1*	BDUNCC12-1.5*	BDUNCC12-2*	DNUNCC12*
9/16"	12		BDUNCC916-1.5	BDUNCC916-2	DNUNCC916
5/8"	11		BDUNCC58-1.5	BDUNCC58-2	DNUNCC58
3/4"	10			BDUNCC34-2	DNUNCC34
7/8"	9			BDUNCC78-2	DNUNCC78
1"	8			BDUNCC1-2	DNUNCC1
1 1/8"	7				DNUNCC1-18
1 1/4"	7				DNUNCC1-14
1 3/8"	6				DNUNCC1-38
1 1/2"	6				DNUNCC1-12
1 3/4"	5				DNUNCC1-34
2"	4.5				DNUNCC2

UNF Unified National Fine



Thread Ø	TPI	1" OD	1 1/2" OD	2" OD	Nut
5G	44	BDUNFC5G-1			
6G	40	BDUNFC6G-1			
8G	36	BDUNFC8G-1			
10G	32	BDUNFC10G-1			
12G	28	BDUNFC12G-1			
3/16"	32 (UNS)	BDUNFC316-1			
1/4"	28	BDUNFC14-1*	BDUNFC14-1.5*		DNUNFC14*
5/16"	24	BDUNFC516-1*	BDUNFC516-1.5*		DNUNFC516*
3/8"	24	BDUNFC38-1*	BDUNFC38-1.5*		DNUNFC38*
7/16"	20	BDUNFC716-1*	BDUNFC716-1.5*		DNUNFC716*
1/2"	20	BDUNFC12-1*	BDUNFC12-1.5*	BDUNFC12-2	DNUNFC12*
9/16"	18		BDUNFC916-1.5	BDUNFC916-2	DNUNFC916
5/8"	18		BDUNFC58-1.5	BDUNFC58-2	DNUNFC58
3/4"	16			BDUNFC34-2	DNUNFC34*
7/8"	14			BDUNFC78-2	DNUNFC78
1"	12			BDUNFC1X12-2	DNUNFC1X12
	14			BDUNSC1X14-2	DNUNSC1X14
1 1/8"	12				DNUNFC1-18
1 1/4"	12				DNUNFC1-14
1 3/8"	12				DNUNFC1-38

*Available carded- see page 73



BULK - 1 PCE

Supplied in plastic pack

Bulk

Carbon Taps



BULK

BSW British Standard Whitworth

ISO 529

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
1/8	40	48	2.5	BSWCT18*	BSWCI18*	BSWCB18*	BSWCS18
5/32	32	53	3.2	BSWCT532*	BSWCI532*	BSWCB532*	BSWCS532
3/16	24	58	3.7	BSWCT316*	BSWCI316*	BSWCB316*	BSWCS316
1/4	20	66	5.1	BSWCT14*	BSWCI14*	BSWCB14*	BSWCS14
5/16	18	72	6.5	BSWCT516*	BSWCI516*	BSWCB516*	BSWCS516
3/8	16	80	7.9	BSWCT38*	BSWCI38*	BSWCB38*	BSWCS38
7/16	14	85	9.3	BSWCT716*	BSWCI716*	BSWCB716*	BSWCS716
1/2	12	89	10.5	BSWCT12*	BSWCI12*	BSWCB12*	BSWCS12
9/16	12	95	12.1	BSWCT916	BSWCI916	BSWCB916	BSWCS916
5/8	11	102	13.5	BSWCT58	BSWCI58	BSWCB58	BSWCS58
3/4	10	112	16.0	BSWCT34	BSWCI34	BSWCB34	BSWCS34
7/8	9	118	19.0	BSWCT78	BSWCI78	BSWCB78	BSWCS78
1	8	130	22.0	BSWCT1	BSWCI1	BSWCB1	BSWCS1
1 1/8	7	138	25.0	BSWCT1-18	BSWCI1-18	BSWCB1-18	
1 1/4	7	151	28.0	BSWCT1-14	BSWCI1-14	BSWCB1-14	
1 3/8	6	162	30.0	BSWCT1-38	BSWCI1-38	BSWCB1-38	
1 1/2	6	170	33.5	BSWCT1-12	BSWCI1-12	BSWCB1-12	



BULK - 1 PCE

Supplied in plastic pack



BULK - TAP SET

Supplied 3 tap types per pack

BSF British Standard Fine

ISO 529

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
3/16	32	58	4.0	BSFCT316	BSFCI316	BSFCB316	BSFCS316
1/4	26	66	5.3	BSFCT14	BSFCI14	BSFCB14	BSFCS14
5/16	22	72	6.8	BSFCT516	BSFCI516	BSFCB516	BSFCS516
3/8	20	80	8.3	BSFCT38	BSFCI38	BSFCB38	BSFCS38
7/16	18	85	9.7	BSFCT716	BSFCI716	BSFCB716	BSFCS716
1/2	16	89	11.1	BSFCT12	BSFCI12	BSFCB12	BSFCS12
9/16	16	95	12.7	BSFCT916	BSFCI916	BSFCB916	BSFCS916
5/8	14	102	14.0	BSFCT58	BSFCI58	BSFCB58	BSFCS58
3/4	12	112	16.5	BSFCT34	BSFCI34	BSFCB34	BSFCS34
7/8	11	118	19.5	BSFCT78	BSFCI78	BSFCB78	BSFCS78
1	10	130	22.5	BSFCT1	BSFCI1	BSFCB1	BSFCS1

*Available carded- see page 72

Carbon Dies



BULK

BSW British Standard Whitworth



Thread ø inches	TPI	1" OD	1 1/2" OD	2" OD	Nut
1/8	40	BDBSWC18-1*			DNBSWC18*
5/32	32	BDBSWC532-1*			DNBSWC532*
3/16	24	BDBSWC316-1*	BDBSWC316-1.5*		DNBSWC316*
1/4	20	BDBSWC14-1*	BDBSWC14-1.5*		DNBSWC14*
5/16	18	BDBSWC516-1*	BDBSWC516-1.5*		DNBSWC516*
3/8	16	BDBSWC38-1*	BDBSWC38-1.5*		DNBSWC38*
7/16	14	BDBSWC716-1*	BDBSWC716-1.5*		DNBSWC716*
1/2	12	BDBSWC12-1*	BDBSWC12-1.5*	BDBSWC12-2	DNBSWC12*
9/16	12		BDBSWC916-1.5	BDBSWC916-2	DNBSWC916
5/8	11		BDBSWC58-1.5	BDBSWC58-2	DNBSWC58
3/4	10			BDBSWC34-2	DNBSWC34
7/8	9			BDBSWC78-2	DNBSWC78
1	8			BDBSWC1-2	DNBSWC1
1 1/8	7				DNBSWC1-18
1 1/4	7				DNBSWC1-14
1 3/8	6				DNBSWC1-12
1 1/2	6				DNBSWC1-34
2	4.5				DNBSWC2

BSF British Standard Fine



Thread ø inches	TPI	1" OD	1 1/2" OD	2" OD	Nut
3/16	32	BDBSFC316-1			DNBSFC316
1/4	26	BDBSFC14-1	BDBSFC14-1.5		DNBSFC14
5/16	22	BDBSFC516-1	BDBSFC516-1.5		DNBSFC516
3/8	20	BDBSFC38-1	BDBSFC38-1.5		DNBSFC38
7/16	18	BDBSFC716-1	BDBSFC716-1.5		DNBSFC716
1/2	16		BDBSFC12-1.5	BDBSFC12-2	DNBSFC12
9/16	16			BDBSFC916-2	DNBSFC916
5/8	14			BDBSFC58-2	DNBSFC58
3/4	12			BDBSFC34-2	DNBSFC34
7/8	11			BDBSFC78-2	DNBSFC78
1	10			BDBSFC1-2	DNBSFC1

*Available carded- see page 73



BULK - 1 PCE

Supplied in plastic pack

Bulk

Carbon Taps



BULK

BSPF

British Standard Pipe Fitting
BSP (G Series)ISO
228

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
1/8	28	59	8.8	BSPFCT18	BSPFCI18	BSPFCB18*	BSPFCS18
1/4	19	67	11.8	BSPFCT14	BSPFCI14	BSPFCB14	BSPFCS14
3/8	19	75	15.0	BSPFCT38	BSPFCI38	BSPFCB38	BSPFCS38
1/2	14	87	19.0	BSPFCT12	BSPFCI12	BSPFCB12	BSPFCS12
5/8	14	91	21.0	BSPFCT58	BSPFCI58	BSPFCB58	BSPFCS58
3/4	14	96	24.5	BSPFCT34	BSPFCI34	BSPFCB34	BSPFCS34
7/8	14	102	20.5				
1	11	109	30.5	BSPFCT1	BSPFCI1	BSPFCB1	BSPFCS1
1 1/4	11	119	39.5			BSPFCB1-14	
2	11	140	57.0	BSPFCT2	BSPFCI2	BSPFCB2	BSPFCS2



BULK - 1 PCE

Supplied in plastic pack



BULK - TAP SET

Supplied 3 tap types per pack

BSPT

British Standard Pipe Taper
(Rc Series Pipe Taper)ISO
228

Thread ø inches	TPI	OAL mm	Drill Size mm	Bottoming
1/8	28	59	8.4	BSPTCB18*
1/4	19	67	11.2	BSPTCB14*
3/8	19	75	14.5	BSPTCB38*
1/2	14	87	18.0	BSPTCB12*
3/4	14	96	23.5	BSPTCB34
1	11	109	30.0	BSPTCB1
1 1/4	11	119	38.5	BSPTCB1-14
1 1/2	11	125	44.5	BSPTCB1-12
2	11	140	56.0	BSPTCB2

NPT

National Pipe Tapered

ANSI
B1.201

Thread ø inches	TPI	OAL mm	Drill Size mm	Bottoming
1/8	27	54	8.7	NPTCB18*
1/4	18	62	11.1	NPTCB14*
3/8	18	65	14.5	NPTCB38
1/2	14	79	18.0	NPTCB12
3/4	14	82	23.0	NPTCB34
1	11.5	95	29.0	NPTCB1
1 1/4	11.5	102	38.0	NPTCB1-14

NPSF

(Dryseal)
National Pipe Straight FuelANSI
B1.201

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
1/8	27	80	8.7	NPSFCT18	NPSFCI18	NPSFCB18
1/4	18	95	11.2	NPSFCT14		NPSFCB14
3/8	18	112	15.0	NPSFCT38	NPSFCI38	NPSFCB38
1/2	14	118	18.5	NPSFCT12	NPSFCI12	NPSFCB12

*Available carded- see page 74

Carbon Dies



BULK

BSPF

British Standard Pipe Fitting
BSP (G Series)ISO
228

Thread ø inches	TPI		 2" OD	 Nut
1/8	28		BDBSPFC18-2	
1/4	19		BDBSPFC14-2	DNBSPFC14
3/8	19		BDBSPFC38-2	DNBSPFC38
1/2	14		BDBSPFC12-2	DNBSPFC12
5/8	14		BDBSPFC58-2	DNBSPFC58
3/4	14		BDBSPFC34-2	DNBSPFC34
7/8	14		BDBSPFC78-2	
1	11		BDBSPFC1-2	DNBSPFC1

BSPT

British Standard Pipe Taper
(Rc Series Pipe Taper)ISO
228

Thread ø inches	TPI		 2" OD	 Nut
1/8	28		BDBSPTC18-2	DNBSPTC18
1/4	19		BDBSPTC14-2	DNBSPTC14
3/8	19		BDBSPTC38-2	DNBSPTC38
1/2	14		BDBSPTC12-2	DNBSPTC12
3/4	14		BDBSPTC34-2	DNBSPTC34
1	11			DNBSPTC1

NPT

National Pipe Taper

ANSI
B1.20.1

Thread ø inches	TPI		 2" OD	 Nut
1/8	27		BDNPTC18-2	
1/4	18		BDNPTC14-2	
3/8	18		BDNPTC38-2	
1/2	14		BDNPTC12-2	
3/4	14		BDNPTC34-2	



BULK - 1 PCE

Supplied in plastic pack

Carded

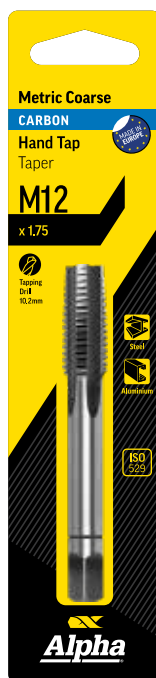
Carbon Taps



CARDED

METRIC COARSE

Thread ø mm	Pitch mm	OAL mm	Drill Size mm				
				Taper	Intermediate	Bottoming	
M3	0.50	48	2.5	CMCCT030	CMCCI030	CMCCB030	
M4	0.70	53	3.3	CMCCT040	CMCCI040	CMCCB040	
M5	0.80	58	4.2	CMCCT050	CMCCI050	CMCCB050	
M6	1.00	66	5.0	CMCCT060	CMCCI060	CMCCB060	
M7	1.00	66	6.0	CMCCT070	CMCCI070	CMCCB070	
M8	1.25	72	6.8	CMCCT080	CMCCI080	CMCCB080	
M9							
M10	1.50	80	8.5	CMCCT100	CMCCI100	CMCCB100	
M11							
M12	1.75	89	10.2	CMCCT120	CMCCI120	CMCCB120	
M14	2.00	95	12.0	CMCCT140	CMCCI140	CMCCB140	
M16	2.00	102	14.0	CMCCT160	CMCCI160	CMCCB160	
M18	2.50	112	15.5	CMCCT180	CMCCI180	CMCCB180	
M20	2.50	112	17.0	CMCCT200	CMCCI200	CMCCB200	
M22	2.50	118	19.5	CMCCT220	CMCCI220	CMCCB220	
M24	3.00	130	21.0	CMCCT240	CMCCI240	CMCCB240	
M27	3.00	135	24.0	CMCCT270	CMCCI270	CMCCB270	



CARDED - 1 PCE
Supplied in
hangable card

METRIC FINE

Thread ø mm	Pitch mm	OAL mm	Drill Size mm				
				Taper	Intermediate	Bottoming	
MF8	1.00	72	7.0		CMFCI080100	CMFCB080100	
MF10	1.00	80	9.0	CMFCT100100#	CMFCI100100#		
MF10	1.25	80	8.8	CMFCT100125	CMFCI100125	CMFCB100125	
MF12	1.25	89	10.8		CMFCI120125#		
MF12	1.50	89	10.8		CMFCI120150	CMFCB120150	
MF14	1.25	95	12.8	CMFCT140125#	CMFCI140125#	CMFCB140125#	
MF14	1.50	95	12.5	CMFCT140150	CMFCI140150	CMFCB140150	
MF16	1.50	102	14.5	CMFCT160150^	CMFCI160150^	CMFCB160150^	
MF18	1.50	112	16.5	CMFCT180150#	CMFCI180150#	CMFCB180150#	
MF20	1.50	112	18.5	CMFCT200150^	CMFCI200150^	CMFCB200150^	
MF22	1.50	118	20.5	CMFCT220150	CMFCI220150	CMFCB220150	
MF24	2.00	130	22.0	CMFCT240200	CMFCI240200	CMFCB240200	
MF25	1.50	130	23.5	CMFCT250150^	CMFCI250150^	CMFCB250150^	

#Spark Plug ^Conduit

Carbon Dies



CARDED

METRIC COARSE

	Thread ø mm	Pitch mm	 1" OD	 1 1/2" OD	 Nut
	M3	0.50	CBDMCC030-1		
	M4	0.70	CBDMCC040-1	CBDMCC040-1.5	
	M5	0.80	CBDMCC050-1	CBDMCC050-1.5	CDNMCC050
	M6	1.00	CBDMCC060-1	CBDMCC060-1.5	CDNMCC060
	M7	1.00	CBDMCC070-1	CBDMCC070-1.5	CDNMCC070
	M8	1.25	CBDMCC080-1	CBDMCC080-1.5	CDNMCC080
	M9	1.25	CBDMCC090-1	CBDMCC090-1.5	
	M10	1.50	CBDMCC100-1	CBDMCC100-1.5	CDNMCC100
	M11	1.50	CBDMCC110-1	CBDMCC110-1.5	
	M12	1.75	CBDMCC120-1	CBDMCC120-1.5	CDNMCC120
	M14	2.00		CBDMCC140-1.5	CDNMCC140
	M16	2.00		CBDMCC160-1.5	CDNMCC160

METRIC FINE

	Thread ø mm	Pitch mm	 1" OD	 1 1/2" OD	 2" OD	 Nut
	MF8	1.00	CBDMFC080-1	CBDMFC080-1.5		
	MF10	1.00	CBDMFC100100-1 [#]	CBDMFC100100-1.5 [#]		CDNMFC100100 [#]
	MF10	1.25	CBDMFC100125-1	CBDMFC100125-1.5		
	MF12	1.25	CBDMFC120125-1 [#]	CBDMFC120125-1.5 [#]	CBDMFC120125-2 [#]	CDNMFC120125 [#]
	MF12	1.50	CBDMFC120150-1	CBDMFC120150-1.5	CBDMFC120150-2	
	MF14	1.25		CBDMFC140125-1.5 [#]	CBDMFC140125-2 [#]	
	MF14	1.50		CBDMFC140150-1.5	CBDMFC140150-2	
	MF16	1.50			CBDMFC160-2 [^]	
	MF18	1.50			CBDMFC180-2 [#]	CDNMFC180 [#]
	MF20	1.50			CBDMFC200-2 [^]	

[#]Spark Plug [^]Conduit

CARDED - 1 PCE

Supplied in
hangable card

Carded



CARDED - 1 PCE

Supplied in
hanging card

Carbon Taps



CARDED

UNC Unified National Coarse

ISO 529

Thread ø	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
5G						
6G						
8G						
10G	24	58	3.9	CUNCCT10G	CUNCCI10G	CUNCCB10G
12G						
3/16"	24 (UNS)	58	3.7		CUNCCI316	CUNCCB316
1/4"	20	66	5.1	CUNCCT14	CUNCCI14	CUNCCB14
5/16"	20	72	6.6	CUNCCT516	CUNCCI516	CUNCCB516
3/8"	16	80	8.0	CUNCCT38	CUNCCI38	CUNCCB38
7/16"	14	85	9.4	CUNCCT716	CUNCCI716	CUNCCB716
1/2"	13	89	10.8	CUNCCT12	CUNCCI12	CUNCCB12
9/16"	12	95	12.2	CUNCCT916	CUNCCI916	CUNCCB916
5/8"	11	102	13.5	CUNCCT58	CUNCCI58	CUNCCB58
3/4"	10	112	16.5	CUNCCT34	CUNCCI34	CUNCCB34
7/8"	9	118	19.5	CUNCCT78	CUNCCI78	CUNCCB78
1"	8	130	22.0	CUNCCT1	CUNCCI1	CUNCCB1

UNF Unified National Fine

ISO 529

ANSI B94.9

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
1/4	28	66	5.5	CUNFCT14	CUNFCI14	CUNFCB14
5/16	24	72	6.9	CUNFCT516	CUNFCI516	CUNFCB516
3/8	24	80	8.5	CUNFCT38	CUNFCI38	CUNFCB38
7/16	20	85	9.9	CUNFCT716	CUNFCI716	CUNFCB716
1/2	20	89	11.5	CUNFCT12	CUNFCI12	CUNFCB12
9/16	18	95	12.9	CUNFCT916	CUNFCI916	CUNFCB916
5/8	18	102	14.5	CUNFCT58	CUNFCI58	CUNFCB58
3/4	16	112	17.5	CUNFCT34	CUNFCI34	CUNFCB34
7/8	14	118	20.5	CUNFCT78	CUNFCI78	CUNFCB78
1	12	130	23.0	CUNFCT1X12	CUNFCI1X12	CUNFCB1X12
	14	130	23.0	CUNFCT1X14	CUNFCI1X14	CUNFCB1X14

BSW British Standard Whitworth

ISO 529

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
1/8	40	48	2.5	CBSWCT18	CBSWCI18	CBSWCB18
5/32	32	53	3.2	CBSWCT532	CBSWCI532	CBSWCB532
3/16	24	58	3.7	CBSWCT316	CBSWCI316	CBSWCB316
1/4	20	66	5.1	CBSWCT14	CBSWCI14	CBSWCB14
5/16	18	72	6.5	CBSWCT516	CBSWCI516	CBSWCB516
3/8	16	80	7.9	CBSWCT38	CBSWCI38	CBSWCB38
7/16	14	85	9.3	CBSWCT716	CBSWCI716	CBSWCB716
1/2	12	89	10.5	CBSWCT12	CBSWCI12	CBSWCB12

Carbon Dies



CARDED

UNC Unified National Coarse



Thread Ø	TPI	1" OD	1 1/2" OD	2" OD	Nut
5G	40	CBDUNCC5G-1			
6G	32	CBDUNCC6G-1			
8G	32	CBDUNCC8G-1			
10G	24	CBDUNCC10G-1			
12G	24	CBDUNCC12G-1			
3/16"					
1/4"	20	CBDUNCC14-1	CBDUNCC14-1.5		CDNUNCC14
5/16"	20	CBDUNCC516-1	CBDUNCC516-1.5		CDNUNCC516
3/8"	16	CBDUNCC38-1	CBDUNCC38-1.5		CDNUNCC38
7/16"	14	CBDUNCC716-1	CBDUNCC716-1.5		CDNUNCC716
1/2"	13	CBDUNCC12-1	CBDUNCC12-1.5	CBDUNCC12-2	CDNUNCC12
9/16"	12		CBDUNCC916-1.5	CBDUNCC916-2	
5/8"	11		CBDUNCC58-1.5	CBDUNCC58-2	
3/4"					
7/8"					
1"					

UNF Unified National Fine

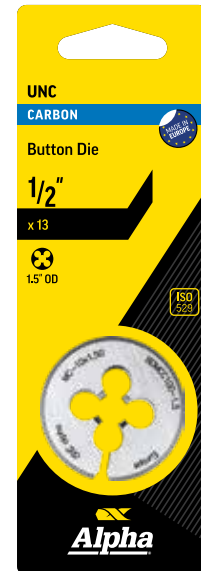


Thread Ø inches	TPI	1" OD	1 1/2" OD	Nut
1/4	28	CBDUNFC14-1	CBDUNFC14-1.5	CDNUNFC14
5/16	24	CBDUNFC516-1	CBDUNFC516-1.5	CDNUNFC516
3/8	24	CBDUNFC38-1	CBDUNFC38-1.5	CDNUNFC38
7/16	20	CBDUNFC716-1	CBDUNFC716-1.5	CDNUNFC716
1/2	20	CBDUNFC12-1	CBDUNFC12-1.5	CDNUNFC12
9/16				
5/8				
3/4	16			CDNUNFC34
7/8				
1				

BSW British Standard Whitworth



Thread Ø inches	TPI	1" OD	1 1/2" OD	Nut
1/8	40	CBDBSWC18-1		CDNBSWC18
5/32	32	CBDBSWC532-1		CDNBSWC532
3/16	24	CBDBSWC316-1	CBDBSWC316-1.5	CDNBSWC316
1/4	20	CBDBSWC14-1	CBDBSWC14-1.5	CDNBSWC14
5/16	18	CBDBSWC516-1	CBDBSWC516-1.5	CDNBSWC516
3/8	16	CBDBSWC38-1	CBDBSWC38-1.5	CDNBSWC38
7/16	14	CBDBSWC716-1	CBDBSWC716-1.5	CDNBSWC716
1/2	12	CBDBSWC12-1	CBDBSWC12-1.5	CDNBSWC12



CARDED - 1 PCE

Supplied in
hangable card

Carded



CARDED - 1 PCE
Supplied in
hangable card

Carbon Taps



CARDED

BSPF British Standard Pipe Fitting BSP (G Series)				ISO 228		
Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
1/8	28	59	8.8			CBSPTCB18

BSPT British Standard Pipe Taper (Rc Series Pipe Taper)				ISO 228		
Thread ø inches	TPI	OAL mm	Drill Size mm			Bottoming
1/8	28	59	8.4			CBSPTCB18
1/4	19	67	11.2			CBSPTCB14
3/8	19	75	14.5			CBSPTCB38
1/2	14	87	18.0			CBSPTCB12

NPT National Pipe Tapered				ANSI B1.20.1		
Thread ø inches	TPI	OAL mm	Drill Size mm			Bottoming
1/8	27	54	8.7			CNPTCB18
1/4	18	62	11.1			CNPTCB14

Tap & Die Kits



GENERAL PURPOSE



Light industrial, motor vehicle
and construction

- High carbon steel taps and dies in 17 sizes with accessories
- Precision manufactured to ISO and DIN standards
- Handy carry case

42 PCE

Metric Tap & Die Kit

Intermediate Taps & Button Dies

Metric:	M3 x 0.5	M3 x 0.6	M4 x 0.7	M4 x 0.75
	M5 x 0.8	M5 x 0.9	M6 x 0.75	M6 x 1.0
	M7 x 0.75	M7 x 1.0	M8 x 1.0	M8 x 1.25
	M10 x 1.25	M10 x 1.5	M12 x 1.5	M12 x 1.75

NPT: 1/8" x 27

Accessories: Tap wrench 1/8" - 1/2"
Die Stock - 1"
Screw Pitch Gauge
Centre Punch
T-type Tap Wrench
Screwdriver
Steel Brush

Code: TSM42

42 PCE

Imperial Tap & Die Kit

Intermediate Taps & Button Dies

UNS: 4G x 36

NPT: 1/8" x 27

UNC: 6G x 32 8G x 32 10G x 24 12G x 24 1/4" x 20
5/16" x 18 3/8" x 16 7/16" x 14 1/2" x 13

UNF: 10G x 32 1/4" x 28 5/16" x 24 3/8" x 24 7/16" x 20
1/2" x 20

Accessories: Tap wrench 1/8" - 1/2"
Die Stock - 1"
Screw Pitch Gauge
Centre Punch
T-type Tap Wrench
Screwdriver
Steel Brush

Code: TSI42

Bulk

HSS Taps



BULK

METRIC COARSE

Thread ø mm	Pitch mm	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
M1.6	0.35	41	1.25		MCHI016		
M1.7	0.35	41	1.35		MCHI017		
M2	0.40	41	1.6	MCHT020	MCHI020	MCHB020	MCHS020
M2.5	0.45	45	2.05	MCHT025	MCHI025	MCHB025	MCHS025
M3	0.50	48	2.5	MCHT030*	MCHI030*	MCHB030*	MCHS030
M3.5	0.60	50	2.9	MCHT035	MCHI035	MCHB035	MCHS035
M4	0.70	53	3.3	MCHT040*	MCHI040*	MCHB040*	MCHS040
M4.5	0.75	53	3.7	MCHT045	MCHI045	MCHB045	MCHS045
M5	0.80	58	4.2	MCHT050*	MCHI050*	MCHB050*	MCHS050
M6	1.00	66	5.0	MCHT060*	MCHI060*	MCHB060*	MCHS060
M7	1.00	66	6.0	MCHT070*	MCHI070*	MCHB070*	MCHS070
M8	1.25	72	6.8	MCHT080*	MCHI080*	MCHB080*	MCHS080
M9	1.25	72	7.8	MCHT090*	MCHI090*	MCHB090*	MCHS090
M10	1.50	80	8.5	MCHT100*	MCHI100*	MCHB100*	MCHS100
M12	1.75	85	10.2	MCHT120*	MCHI120*	MCHB120*	MCHS120
M14	2.00	89	12.0	MCHT140	MCHI140	MCHB140	MCHS140
M16	2.00	102	14.0	MCHT160	MCHI160	MCHB160	MCHS160
M18	2.50	112	15.5	MCHT180	MCHI180	MCHB180	MCHS180
M20	2.50	112	17.0	MCHT200*	MCHI200	MCHB200*	MCHS200
M22	2.50	118	19.5	MCHT220	MCHI220	MCHB220	MCHS220
M24	3.00	130	21.0	MCHT240	MCHI240	MCHB240	MCHS240
M30	3.50	138	26.5	MCHT300	MCHI300	MCHB300	
M33	3.50	151	29.5	MCHT330	MCHI330	MCHB330	
M36	4.00	162	32.0	MCHT360	MCHI360	MCHB360	

BULK – 1 PCE

Supplied in plastic pack



BULK – TAP SET

Supplied 3 tap types per pack

METRIC COARSE – OVERSIZE/GALVANISING

Thread ø mm	Pitch mm	OAL mm	Drill Size mm	Intermediate
M12 + 0.4	1.75	89	10.6	MCHI120175
M16 + 0.4	2.00	102	14.4	MCHI160200
M20 + 0.4	2.50	112	17.9	MCHI200250
M24 + 0.4	3.00	130	21.5	MCHI240300

METRIC FINE

Thread ø mm	Pitch mm	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
MF8	1.00	72	7.0	MFHT080100	MFHI080100	MFHB080100	MFHS080100
MF10	1.00	80	9.0	MFHT100100	MFHI100100	MFHB100100	MFHS100100
MF10	1.25	80	8.8	MFHT100125	MFHI100125	MFHB100125	MFHS100125
MF12	1.25	89	10.8	MFHT120125	MFHI120125	MFHB120125	MFHS120125
MF12	1.50	89	10.5	MFHT120150	MFHI120150	MFHB120150	MFHS120150
MF14	1.25	95	12.8	MFHT140125	MFHI140125	MFHB140125	MFHS140125
MF14	1.50	95	12.5	MFHT140150	MFHI140150	MFHB140150	MFHS140150
MF16	1.50	102	14.5	MFHT160150	MFHI160150	MFHB160150	MFHS160150
MF18	1.50	112	16.5	MFHT180150	MFHI180150	MFHB180150	MFHS180150
MF20	1.50	112	18.5	MFHT200150	MFHI200150	MFHB200150	MFHS200150
MF22	1.50	118	20.5	MFHT220150	MFHI220150	MFHB220150	MFHS220150
MF24	2.00	130	22.0	MFHT240200	MFHI240200	MFHB240200	MFHS240200
MF25	1.50	130	23.5	MFHT250150	MFHI250150	MFHB250150	MFHS250150

*Available carded- see page 80

HSS Taps



Bulk

BULK

UNC Unified National Coarse				ISO 529			
Thread ø	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
5G	40	48	2.6	UNCHT5G	UNCHI5G	UNCHB5G	UNCHS5G
6G	32	50	2.8	UNCHT6G	UNCHI6G	UNCHB6G	UNCHS6G
8G	32	53	3.5	UNCHT8G	UNCHI8G	UNCHB8G	UNCHS8G
10G	24	58	3.9	UNCHT10G	UNCHI10G	UNCHB10G	UNCHS10G
12G	24	62	4.5	UNCHT12G	UNCHI12G	UNCHB12G	UNCHS12G
3/16"	24 (UNS)	58	3.7	UNCHT316	UNCHI316	UNCHB316	UNCHS316
1/4"	20	66	5.1	UNCHT14*	UNCHI14*	UNCHB14*	UNCHS14
5/16"	18	72	6.6	UNCHT516*	UNCHI516*	UNCHB516*	UNCHS516
3/8"	16	80	8.0	UNCHT38*	UNCHI38*	UNCHB38*	UNCHS38
7/16"	14	85	9.4	UNCHT716*	UNCHI716*	UNCHB716*	UNCHS716
1/2"	13	89	10.8	UNCHT12*	UNCHI12*	UNCHB12*	UNCHS12
9/16"	12	95	12.2	UNCHT916	UNCHI916	UNCHB916	UNCHS916
5/8"	11	102	13.5	UNCHT58	UNCHI58	UNCHB58	UNCHS58
3/4"	10	112	16.5	UNCHT34	UNCHI34	UNCHB34	UNCHS34
7/8"	9	118	19.5	UNCHT78	UNCHI78	UNCHB78	UNCHS78
1"	8	130	22.0	UNCHT1	UNCHI1	UNCHB1	UNCHS1

UNF Unified National Fine				ISO 529 ANSI B94.9			
Thread ø	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
6G	40	50	2.9	UNFHT6G	UNFHI6G	UNFHB6G	UNFHS6G
8G	36	53	3.5	UNFHT8G	UNFHI8G	UNFHB8G	UNFHS8G
10G	32	58	4.1	UNFHT10G	UNFHI10G	UNFHB10G	UNFHS10G
12G	28	62	4.7	UNFHT12G	UNFHI12G	UNFHB12G	UNFHS12G
1/4"	28	66	5.5	UNFHT14*	UNFHI14*	UNFHB14*	UNFHS14
5/16"	24	72	6.9	UNFHT516*	UNFHI516*	UNFHB516*	UNFHS516
3/8"	24	80	8.5	UNFHT38*	UNFHI38*	UNFHB38*	UNFHS38
7/16"	20	85	9.9	UNFHT716*	UNFHI716*	UNFHB716*	UNFHS716
1/2"	20	89	11.5	UNFHT12*	UNFHI12*	UNFHB12*	UNFHS12
9/16"	18	95	12.9	UNFHT916	UNFHI916	UNFHB916	UNFHS916
5/8"	18	102	14.5	UNFHT58	UNFHI58	UNFHB58	UNFHS58
3/4"	16	112	17.5	UNFHT34	UNFHI34	UNFHB34	UNFHS34
7/8"	14	118	20.5	UNFHT78	UNFHI78	UNFHB78	UNFHS78
1"	12	130	23.0	UNFHT1	UNFHI1	UNFHB1	UNFHS1

*Available carded- see page 80



BULK - 1 PCE

Supplied in plastic pack



BULK - TAP SET

Supplied 3 tap types per pack

Bulk

HSS Taps



BULK

BSW British Standard Whitworth				ISO 529			
Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
1/8	40	48	2.5	BSWHT18*	BSWHI18*	BSWHB18*	BSWHS18
5/32	32	53	3.2	BSWHT532*	BSWHI532*	BSWHB532*	BSWHS532
3/16	24	58	3.7	BSWHT316*	BSWHI316*	BSWHB316*	BSWHS316
1/4	20	66	5.1	BSWHT14*	BSWHI14*	BSWHB14*	BSWHS14
5/16	18	72	6.5	BSWHT516*	BSWHI516*	BSWHB516*	BSWHS516
3/8	16	80	7.9	BSWHT38*	BSWHI38*	BSWHB38*	BSWHS38
7/16	14	85	9.3	BSWHT716*	BSWHI716*	BSWHB716*	BSWHS716
1/2	12	89	10.5	BSWHT12*	BSWHI12*	BSWHB12*	BSWHS12
9/16	12	95	12.1	BSWHT916	BSWHI916	BSWHB916	BSWHS916
5/8	11	102	13.5	BSWHT58	BSWHI58	BSWHB58	BSWHS58
3/4	10	112	16.0	BSWHT34	BSWHI34	BSWHB34	BSWHS34
7/8	9	118	19.0	BSWHT78	BSWHI78	BSWHB78	BSWHS78
1	8	130	22.0	BSWHT1	BSWHI1	BSWHB1	BSWHS1
1 1/8	7	138	25.0	BSWHT1-18	BSWHI1-18	BSWHB1-18	
1 1/4	7	151	28.0	BSWHT1-14	BSWHI1-14	BSWHB1-14	
1 3/8	6	162	30.0	BSWHT1-38	BSWHI1-38	BSWHB1-38	
1 1/2	6	170	33.5	BSWHT1-12	BSWHI1-12	BSWHB1-12	
1 3/4	5	187	39.0	BSWHT1-34	BSWHI1-34	BSWHB1-34	
2	4.5	200	44.5	BSWHT2	BSWHI2	BSWHB2	

BULK - 1 PCE

Supplied in plastic pack



BULK - TAP SET

Supplied 3 tap types per pack

BSF British Standard Fine				ISO 529			
Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
3/16	32	58	4.0	BSFHT316	BSFHI316	BSFHB316	BSFHS316
1/4	26	66	5.3	BSFHT14	BSFHI14	BSFHB14	BSFHS14
5/16	22	72	6.8	BSFHT516	BSFHI516	BSFHB516	BSFHS516
3/8	20	80	8.3	BSFHT38	BSFHI38	BSFHB38	BSFHS38
7/16	18	85	9.7	BSFHT716	BSFHI716	BSFHB716	BSFHS716
1/2	16	89	11.1	BSFHT12	BSFHI12	BSFHB12	BSFHS12
9/16	16	95	12.7	BSFHT916	BSFHI916	BSFHB916	BSFHS916
5/8	14	102	14.0	BSFHT58	BSFHI58	BSFHB58	BSFHS58
3/4	12	112	16.5	BSFHT34	BSFHI34	BSFHB34	BSFHS34
7/8	11	118	19.5	BSFHT78	BSFHI78	BSFHB78	BSFHS78
1	10	130	22.5	BSFHT1	BSFHI1	BSFHB1	BSFHS1

*Available carded- see page 80

HSS Taps



BULK

BSPF British Standard Pipe Fitting				ISO 529	ANSI B94.9		
Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming	SETS
1/8	28	59	8.8	BSPFHT18	BSPFHI18	BSPFHB18	BSPFHS18
1/4	19	67	11.8	BSPFHT14	BSPFHI14	BSPFHB14	BSPFHS14
3/8	19	75	15.0	BSPFHT38	BSPFHI38	BSPFHB38	BSPFHS38
1/2	14	87	19.0	BSPFHT12	BSPFHI12	BSPFHB12	BSPFHS12
5/8	14	91	21.0	BSPFHT58	BSPFHI58	BSPFHB58	BSPFHS58
3/4	14	96	24.5	BSPFHT34	BSPFHI34	BSPFHB34	BSPFHS34
7/8	14	102	28.0	BSPFHT78	BSPFHI78	BSPFHB78	BSPFHS78
1	11	109	30.5	BSPFHT1	BSPFHI1	BSPFHB1	BSPFHS1
1 1/4	11	119	39.5	BSPFHT1-14	BSPFHI1-14	BSPFHB1-14	
1 1/2	11	125	45.0	BSPFHT1-12			

BSPT British Standard Pipe Taper (Rc Series Pipe Taper)				ISO 529	ANSI B94.9		
Thread ø inches	TPI	OAL mm	Drill Size mm			Bottoming	
1/8	28	59	8.4			BSPTHB18	
1/4	19	67	11.2			BSPTHB14	
3/8	19	75	14.5			BSPTHB38	
1/2	14	87	18.0			BSPTHB12	
3/4	14	96	23.5			BSPTHB34	
1	11	109	30.0			BSPTHB1	
1 1/4	11	119	38.5			BSPTHB1-14	
1 1/2	11	125	44.5			BSPTHB1-12	
2	11	140	56.0			BSPTHB2	

NPT National Pipe Tapered				ISO 529	ANSI B94.9		
Thread ø inches	TPI	OAL mm	Drill Size mm			Bottoming	
1/8	27	54	8.7			NPTHB18	
1/4	18	62	11.1			NPTHB14	
3/8	18	65	14.5			NPTHB38	
1/2	14	79	18.0			NPTHB12	
3/4	14	82	23.0			NPTHB34	
1	11	95	29.0			NPTHB1	
1 1/4	11	102	38.0			NPTHB1-14	

NPSF (Dryseal) National Pipe Straight Fuel				ISO 529	ANSI B94.9		
Thread ø inches	TPI	OAL mm	Drill Size mm			Bottoming	
1/8	27	54	8.7			NPSFHB18	
1/4	18	62	11.2			NPSFHB14	
3/8	18	65	15.0			NPSFHB38	
1/2	14	79	18.5			NPSFHB12	



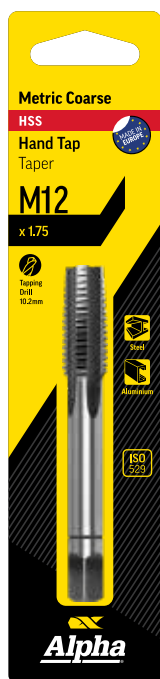
BULK - 1 PCE
Supplied in plastic pack



BULK - TAP SET
Supplied 3 tap types per pack

Carded

HSS Taps



CARDED - 1 PCE
Supplied in
hangable card

CARDED

METRIC COARSE

ISO 529

Thread ø mm	Pitch mm	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
M3	0.50	48	2.55	CMCHT030	CMCHI030	CMCHB030
M4	0.70	53	3.4	CMCHT040	CMCHI040	CMCHB040
M5	0.80	58	4.3	CMCHT050	CMCHI050	CMCHB050
M6	1.00	66	5.1	CMCHT060	CMCHI060	CMCHB060
M7	1.00	66	6.1	CMCHT070	CMCHI070	CMCHB070
M8	1.25	72	6.9	CMCHT080	CMCHI080	CMCHB080
M9	1.25	72	7.8	CMCHT090	CMCHI090	CMCHB090
M10	1.50	80	8.6	CMCHT100	CMCHI100	CMCHB100
M12	1.75	89	10.2	CMCHT120	CMCHI120	CMCHB120
M20	2.50	112	17	CMCHT200		CMCHB200

UNC Unified National Coarse

ISO 529

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
1/4	20	66	5.1	CUNCHT14	CUNCHI14	CUNCHB14
5/16	18	72	6.6	CUNCHT516	CUNCHI516	CUNCHB516
3/8	16	80	8.0	CUNCHT38	CUNCHI38	CUNCHB38
7/16	14	85	9.4	CUNCHT716	CUNCHI716	CUNCHB716
1/2	13	89	10.8	CUNCHT12	CUNCHI12	CUNCHB12

UNF Unified National Fine

ISO 529

ANSI B94-9

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
1/4	28	66	5.5	CUNFHT14	CUNFHI14	CUNFHB14
5/16	24	72	6.9	CUNFHT516	CUNFHI516	CUNFHB516
3/8	24	80	8.5	CUNFHT38	CUNFHI38	CUNFHB38
7/16	20	85	9.9	CUNFHT716	CUNFHI716	CUNFHB716
1/2	20	89	11.5	CUNFHT12	CUNFHI12	CUNFHB12

BSW British Standard Whitworth

ISO 529

Thread ø inches	TPI	OAL mm	Drill Size mm	Taper	Intermediate	Bottoming
1/8	40	48	2.5	CBSWHT18	CBSWHI18	CBSWHB18
5/32	32	53	3.2	CBSWHT532	CBSWHI532	CBSWHB532
3/16	24	58	3.7	CBSWHT316	CBSWHI316	CBSWHB316
1/4	20	66	5.1	CBSWHT14	CBSWHI14	CBSWHB14
5/16	18	72	6.5	CBSWHT516	CBSWHI516	CBSWHB516
3/8	16	80	7.9	CBSWHT38	CBSWHI38	CBSWHB38
7/16	14	85	9.3	CBSWHT716	CBSWHI716	CBSWHB716
1/2	12	89	10.5	CBSWHT12	CBSWHI12	CBSWHB12



C.D.T. Cut.Drill.Tap Cutting Lubricant

Alpha C.D.T is formulated for extreme cutting performance when tapping, drilling or reaming into all metals, including hardened steel and titanium. Special additives reduce friction, extend tool life and provide excellent surface finish. Alpha C.D.T is water soluble, safe and easy to use.

- 250ml squeeze bottle
- Improves overall tool performance
- Non-flammable
- Environmentally safe
- Biodegradable ingredients
- Easy to use and clean up

Cutting Lubricant
250 ml

Code: ATL005

Bulk

HSSE Machine Taps



Spiral Point Tap



Spiral Flute Tap

BULK

METRIC COARSE

Thread ø mm	Pitch mm	OAL mm	Drill Size mm		
				Spiral Point Tap <i>Gun Nose</i>	Spiral Flute Tap
M3	0.50	56	2.5	MCESP030	MCESF030
M3.5	0.60	56	2.9	MCESP035	MCESF035
M4	0.70	63	3.3	MCESP040	MCESF040
M5	0.80	70	4.2	MCESP050	MCESF050
M6	1.00	80	5.0	MCESP060	MCESF060
M7	1.00	80	6.0	MCESP070	MCESF070
M8	1.25	90	6.8	MCESP080	MCESF080
M9	1.25	95	7.8	MCESP090	MCESF090
M10	1.50	100	8.5	MCESP100	MCESF100
M11	1.50	105	9.5	MCESP110	
M12	1.75	110	10.2	MCESP120	MCESF120
M14	2.00	110	12.0	MCESP140	MCESF140
M16	2.00	110	14.0	MCESP160	MCESF160
M18	2.50	125	15.5	MCESP180	MCESF180
M20	2.50	140	17.0	MCESP200	MCESF200
M22	2.50	140	19.5	MCESP220	MCESF220
M24	3.00	160	21.0	MCESP240	MCESF240
M27	3.00	160	24.0	MCESP270	
M30	3.50	180	26.5	MCESP300	
M33	3.50	180	29.5	MCESP330	
M36	4.00	200	32.0	MCESP360	



BULK - 1 PCE
Supplied in
plastic pack

METRIC FINE

Thread ø mm	Pitch mm	OAL mm	Drill Size mm		
				Spiral Point Tap <i>Gun Nose</i>	Spiral Flute Tap
MF5	0.50	70	4.5	MFESP050	MFESF050
MF6	0.75	80	5.2	MFESP060	MFESF060
MF8	1.00	90	7.0	MFESP080	MFESF080
MF10	1.00	90	9.0	MFESP100100	MFESF100100
MF10	1.25	100	8.8	MFESP100125	MFESF100125
MF12	1.25	100	10.5	MFESP120125	MFESF120125
MF12	1.50	100	10.5	MFESP120150	MFESF120150

HSSE Machine Taps



Spiral Point Tap



Spiral Flute Tap

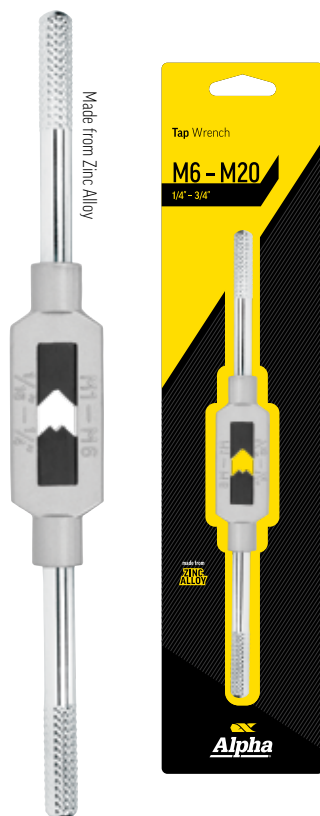
BULK

UNC Unified National Coarse DIN 371					
Thread Ø	TPI	OAL mm	Drill Size mm	 Spiral Point Tap Gun Nose	 Spiral Flute Tap
6G	32	50	2.8	UNCESP6G	UNCESF6G
8G	32	53	3.5	UNCESP8G	UNCESF8G
10G	24	58	3.9	UNCESP10G	UNCESF10G
12G	24	62	4.5	UNCESP12G	UNCESF12G
1/4"	20	66	5.1	UNCESP14	UNCESF14
5/16"	18	72	6.6	UNCESP516	UNCESF516
3/8"	16	80	8.0	UNCESP38	UNCESF38
7/16"	14	85	9.4	UNCESP716	UNCESF716
1/2"	13	89	10.8	UNCESP12	UNCESF12
9/16"	12	95	12.2	UNCESP916	UNCESF916
5/8"	11	102	13.5	UNCESP58	UNCESF58
3/4"	10	112	16.5	UNCESP34	UNCESF34
7/8"	9	118	19.5	UNCESP78	UNCESF78
1"	8	130	22.0	UNCESP1	UNCESF1

UNF Unified National Fine DIN 371					
Thread Ø	TPI	OAL mm	Drill Size mm	 Spiral Point Tap Gun Nose	 Spiral Flute Tap
5G	44	48	2.7	UNFESP5G	UNFESF5G
6G	40	50	2.9	UNFESP6G	UNFESF6G
8G	36	53	3.5	UNFESP8G	UNFESF8G
10G	32	58	4.1	UNFESP10G	UNFESF10G
12G	28	62	4.7	UNFESP12G	UNFESF12G
1/4"	28	66	5.5	UNFESP14	UNFESF14
5/16"	24	72	6.9	UNFESP516	UNFESF516
3/8"	24	80	8.5	UNFESP38	UNFESF38
7/16"	20	85	9.9	UNFESP716	UNFESF716
1/2"	20	89	11.5	UNFESP12	UNFESF12
9/16"	18	95	12.9	UNFESP916	UNFESF916
5/8"	18	102	14.5	UNFESP58	UNFESF58
3/4"	16	112	17.5	UNFESP34	UNFESF34
7/8"	14	124	20.5	UNFESP78	UNFESF78
1"	12	139	23.0	UNFESP1	UNFESF1



BULK - 1 PCE
Supplied in
plastic pack



Tap Wrench

Tap Handle	Range mm	Range inches	Pack QTY	Code
00	M1 – M6	1/16" – 1/4"	1	TW-00
0	M3 – M12	1/8" – 1/2"	1	TW-0
#6	M6 – M20	1/4" – 3/4"	1	TW-6
#7	M10 – M25	3/8" – 1"	1	TW-7
#8	M20 – M38	1/4" – 1 1/2"	1	TW-8

TW-00, TW-0 & TW-6: CARDED – 1 PCE Supplied in hangable card
 TW-7 & TW-8: 1 PCE Supplied in plastic tube



T-Tap Wrench

Size inches	Range mm	Range inches	Pack QTY	Code
1/4	M3 – M6	1/8" – 1/4"	1	TW14
1/2	M6 – M12	5/16" – 1/2"	1	TW12

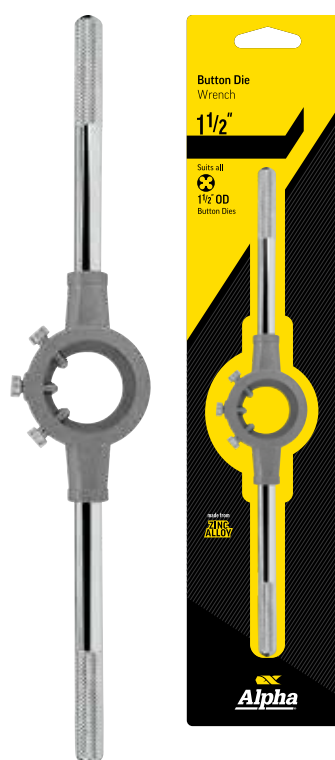
CARDED – 1 PCE Supplied in hangable card



Ratchet T-Tap Wrench

Size inches	Range mm	Range inches	Pack QTY	Code
1/4	M3 - M6	1/8" - 1/4"	1	TW14R
1/2	M6 - M12	1/4" - 1/2"	1	TW12R

CARDED - 1 PCE Supplied in hangable card



Button Die Wrench

Size inches	Size mm	Pack QTY	Code
1	M25	1	BDW-1
1 1/2	M38	1	BDW-1.12
2	M51	1	BDW-2

BDW-1 & BDW-1.12: CARDED - 1 PCE Supplied in hangable card

BDW-2: 1 PCE Supplied in plastic tube

