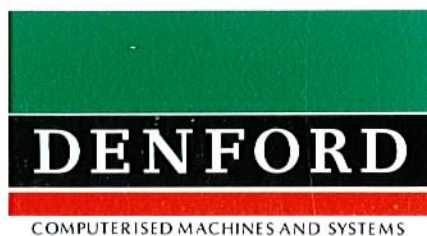


BT 35 & BT 40
TOOLING SYSTEMS

DENFORD

COMPUTERISED MACHINES AND SYSTEMS



DENFORD MACHINE TOOLS LTD,
BIRDS ROYD, BRIGHOUSE
WEST YORKSHIRE, HD6 1NB
TELEPHONE: 0484 712264
TELEX: 517478 FAX: 0484 722160

SIDE LOCK HOLDER (for end mill) (INCH)

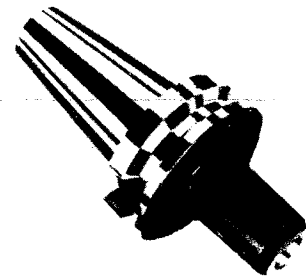


FIG.1

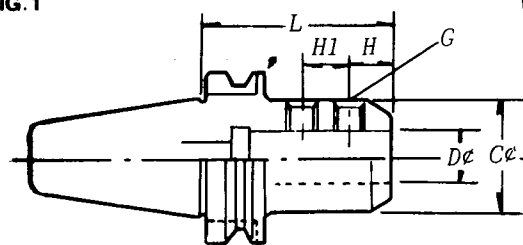
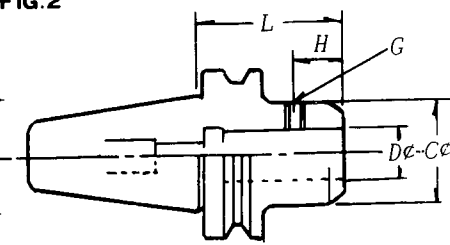


FIG.2



PRODUCT CODE	IDENT.	D	L	C	H	H1	G	FIG	WT. (Kg)
BI00887S	BT40- $\frac{3}{16}$	$\frac{3}{16}$	2.56	0.79	0.52	—	$\frac{1}{4}$ -20	1	1.4
BI00887T	BT40- $\frac{1}{4}$	$\frac{1}{4}$	2.56	0.79	0.60	—	$\frac{1}{4}$ -20	1	1.4
BI00887U	BT40- $\frac{5}{16}$	$\frac{5}{16}$	2.56	0.87	0.60	—	$\frac{5}{16}$ -18	1	1.4
BI00887V	BT40- $\frac{3}{8}$	$\frac{3}{8}$	2.56	1.00	0.63	—	$\frac{3}{8}$ -16	1	1.5
BI00887W	BT40- $\frac{1}{2}$	$\frac{1}{2}$	2.56	1.38	0.79	—	$\frac{7}{16}$ -14	1	1.5
BI00887X	BT40- $\frac{5}{8}$	$\frac{5}{8}$	2.56	1.65	0.88	—	$\frac{9}{16}$ -12	1	1.6
BI00887Y	BT40- $\frac{3}{4}$	$\frac{3}{4}$	2.56	1.89	0.91	—	$\frac{5}{8}$ -11	1	1.6
BI00887Z	BT40- $\frac{7}{8}$	$\frac{7}{8}$	3.15	2.28	0.65	0.81	$\frac{5}{8}$ -11	2	1.8
BI00888	BT40-1"	1	3.35	2.36	0.83	0.90	$\frac{3}{4}$ -10	2	2.3
BI00888A	BT40-1 $\frac{1}{4}$	1 $\frac{1}{4}$	3.35	2.48	0.83	0.90	$\frac{3}{4}$ -10	2	2.6

END MILL HOLDER (METRIC)

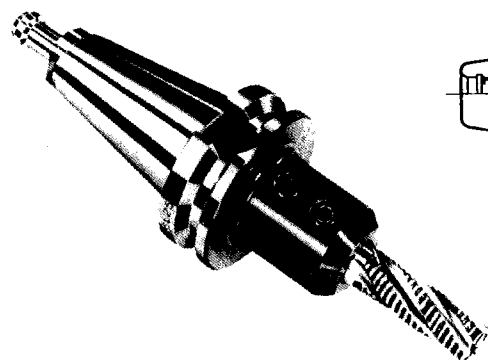


FIG.1

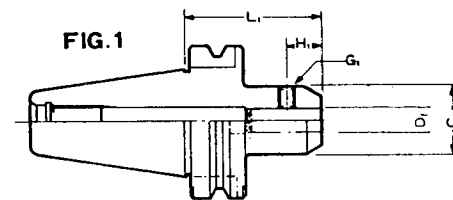
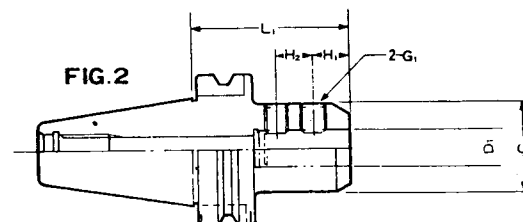


FIG.2



PRODUCT CODE	IDENT.	FIG	D1	L1	C1	H1	H2	G	WT. (Kg)
BI00888B	BT40- 6	1	6	75	36	18	—	M 5	1.3
BI00888C	BT40- 8	1	8	75	38	20	—	M 6	1.4
BI00888D	BT40-10	1	10	75	40	21	—	M 8	1.4
BI00888E	BT40-12	1	12	75	42	22.5	—	M10	1.5
BI00888F	BT40-16	1	16	75	48	24	—	M14	1.6
BI00888G	BT40-20	1	20	75	52	25	—	M16	1.7
BI00888H	BT40-25	2	25	90	65	23	25	M18	2.4
BI00888I	BT40-32	2	32	90	72	27	23.5	M16	2.7

SIDE LOCK END MILL HOLDER

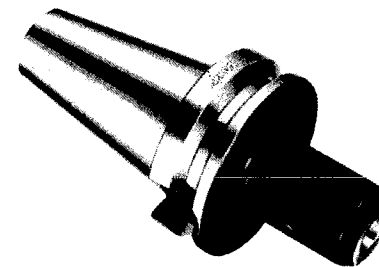


FIG.1

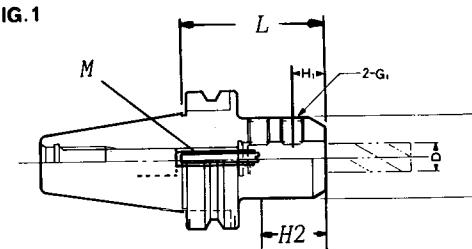
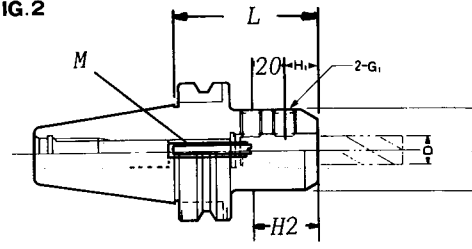
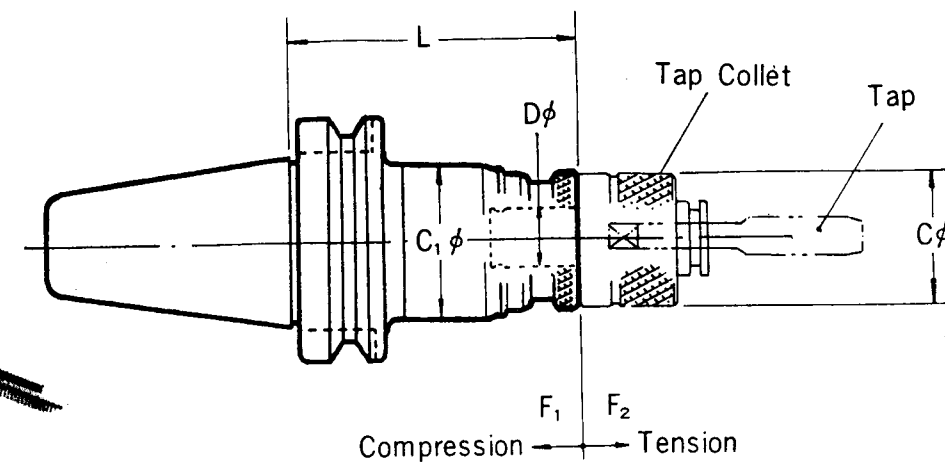
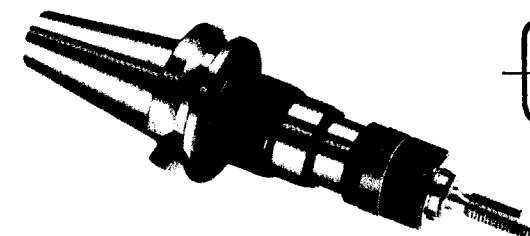


FIG.2



PRODUCT CODE	IDENT.	FIG	D	L	C	H1	G	M	H2		WT. (Kg)
									MIN	MAX	
BI00888J	BT40-10	1	10	65	30	16	M 8	M 8	40	50	1.4
BI00888K	BT40-12	1	12	65	35	20	M10	M 8	40	50	1.5
BI00888L	BT40-16	1	16	65	40	23	M10	M12	40	50	1.6
BI00888M	BT40-20	1	20	90	50	25	M10	M12	55	70	1.7
BI00888N	BT40-25	2	25	90	60	25	M10	M12	55	70	2.4
BI00888P	BT40-32	2	32	90	60	30	M10	M12	55	70	2.7

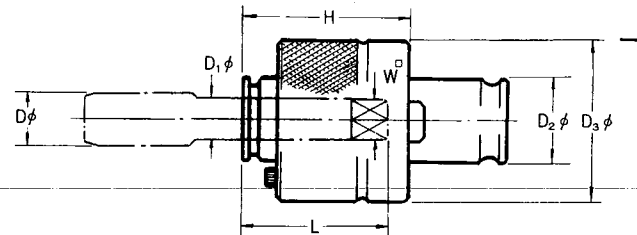
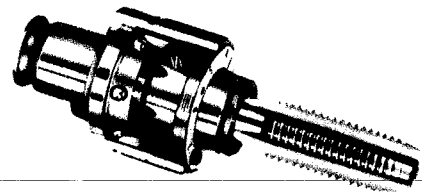
FLOATING TAPPING HEADS



IDENT.	TAPPING			D	L	C	C1	FLOAT		TAP COLLET	WT. (Kg)
	M	U	P					F1	F2		
BT40-12	M 3-12	$\frac{1}{8}$ - $\frac{1}{2}$	P $\frac{1}{8}$	19	90	38	45	5	15	12	1.5
BT40-12					130			15			1.6
BT40-24	M12-24	$\frac{1}{2}$ -1	P $\frac{1}{4}$ - $\frac{5}{8}$	30	100	56	63	10	20	24	2.1
BT40-24					187						3.5

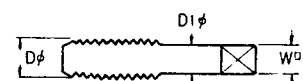
PRODUCT CODE	DESCRIPTION
BI00889	BT40-12- 90
BI00889A	BT40-12-130
BI00889B	BT40-24-100
BI00889C	BT40-24-187

TAP COLLETS

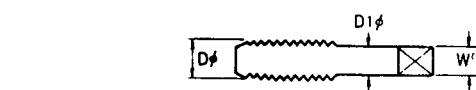


PRODUCT CODE		IDENT.	D	D1	W	L
BI00890	JIS (m/m)	12- 3	3	4	3.2	58.5
BI00890A		- 4	4	5	4.0	63.5
BI00890B		- 5	5	5.5	4.5	69
BI00890C		- 6	6	6		71
BI00890D		- 8	8	6.2	5.0	81
BI00890E		-10	10	7	5.5	83
BI00890F		-12	12	8.5	6.5	89
BI00891	JIS (inch)	12- $\frac{1}{8}$	3.175	4	3.2	58
BI00891A		- $\frac{3}{16}$	4.826	5.5	4.5	69
BI00891B		- $\frac{1}{4}$	6.350	6		71
BI00891C		- $\frac{5}{16}$	7.938	6.1	5.0	81
BI00891D		- $\frac{3}{8}$	9.525	7	5.5	83
BI00891E		- $\frac{7}{16}$	11.112	8	6.0	87
BI00891F		- $\frac{1}{2}$	12.700	9	7.0	91
BI00892		12- $\frac{1}{8}$ P	9.728	8	6.0	76

PRODUCT CODE	IDENT.	D	D1	W	L
BI00890G	24- 8	8	6.2	5.0	78
BI00890H	-10	10	7	5.5	83
BI00890I	-12	12	8.5	6.5	105
BI00890J	-14	14	10.5	8.0	106
BI00890K	-16	16	12.5	10.0	111
BI00890L	-18	18	14	11.0	
BI00890M	-20	20	15	12.0	115
BI00890N	-22	22	17	13.0	124
BI00890P	-24	24	19	15.0	127
BI00891H	24- $\frac{1}{2}$	12.700	9	7.0	107
BI00891I	- $\frac{9}{16}$	14.288	10.5	8.0	108
BI00891J	- $\frac{5}{8}$	15.875	12	9.0	112
BI00891K	- $\frac{3}{4}$	19.050	14	11.0	116
BI00891L	- $\frac{7}{8}$	22.225	17	13.0	124
BI00891M	-1	25.400	20	15.0	132
BI00892A	24- $\frac{1}{8}$ P	13.157	11	9.0	90
BI00892B	- $\frac{3}{8}$ P	16.662	14	11.0	
BI00892C	- $\frac{1}{2}$ P	20.955	18	14.0	99
BI00892D	- $\frac{5}{8}$ P	22.911	19	15.0	97

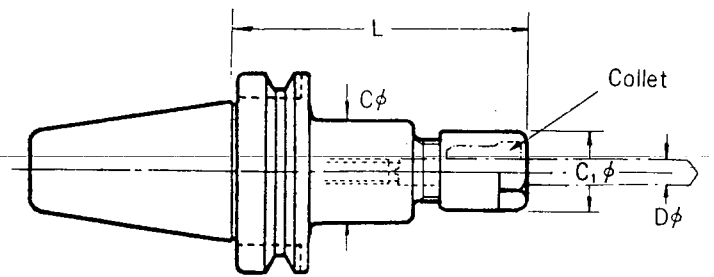
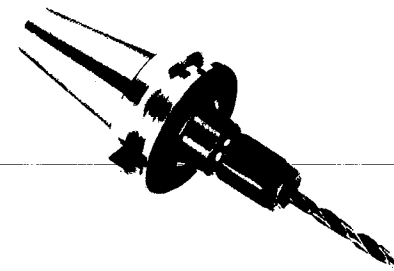


PRODUCT CODE		IDENT.	SIZE OF TAP			
			D	D1	W	L
BI00893	Hand Taps	12-No.6U	No. 6	0.141	0.110	1.03
BI00893A		-No.8U	No.8	0.168	0.131	1.10
BI00893B		-No.10U	No.10	0.194	0.152	1.10
BI00893C		-No.12U	No.12	0.220	0.165	1.22
BI00893D		- $\frac{1}{4}$ U	$\frac{1}{4}$	0.255	0.191	1.26
BI00893E		- $\frac{5}{16}$ U	$\frac{5}{16}$	0.318	0.238	1.32
BI00893F		- $\frac{3}{8}$ U	$\frac{3}{8}$	0.381	0.286	1.38
BI00893G		- $\frac{7}{16}$ U	$\frac{7}{16}$	0.323	0.242	1.35
BI00893H		- $\frac{1}{2}$ U	$\frac{1}{2}$	0.367	0.275	1.38
BI00894	Pipe Taps	12- $\frac{1}{8}$ PU	$\frac{1}{8}$	0.313	0.234	1.00



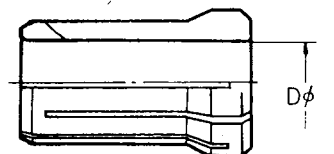
PRODUCT CODE	IDENT.	SIZE OF TAP			
		D	D1	W	L
BI00893I	24- $\frac{1}{2}$ U	$\frac{1}{2}$	0.367	0.275	1.34
BI00893J	- $\frac{9}{16}$ U	$\frac{9}{16}$	0.429	0.322	1.65
BI00893K	- $\frac{5}{8}$ U	$\frac{5}{8}$	0.480	0.360	1.71
BI00893L	- $\frac{11}{16}$ U	$\frac{11}{16}$	0.542	0.406	1.93
BI00893M	- $\frac{3}{4}$ U	$\frac{3}{4}$	0.590	0.442	2.00
BI00893N	- $\frac{11}{16}$ U	$\frac{11}{16}$	0.652	0.489	2.00
BI00893P	- $\frac{7}{8}$ U	$\frac{7}{8}$	0.697	0.523	2.06
BI00893Q	- $\frac{15}{16}$ U	$\frac{15}{16}$	0.760	0.570	2.06
BI00893R	-1U	1.0	0.800	0.600	2.12
BI00894A	24- $\frac{1}{8}$ PU	$\frac{1}{8}$	0.562	0.421	1.22
BI00894B	- $\frac{3}{8}$ PU	$\frac{3}{8}$	0.700	0.531	1.41
BI00894C	- $\frac{1}{2}$ PU	$\frac{1}{2}$	0.687	0.515	1.54

DOUBLE ANGLE COLLET CHUCK (for Straight Shank Drill)



PRODUCT CODE	IDENT.	D				L	L1	C	C1	WT. (Kg)
		MIN		MAX						
		m/m	IN	m/m	IN					
BI00880R	BT35-1	2.4	$\frac{3}{32}$	4.8	$\frac{3}{16}$	60	34	20	16	0.9
BI00880S	BT35-2	4.8	$\frac{3}{16}$	8.8	$\frac{11}{32}$	90	43	25	25	1.0
BI00885	BT40-1	2.5	$\frac{3}{32}$	4.8	$\frac{3}{16}$	75	34	20	16	1.1
BI00885A	BT40-2	4.8	$\frac{3}{16}$	8.8	$\frac{11}{32}$	105	43	25	25	1.2
BI00885B	BT40-3	8.8	$\frac{11}{32}$	13.5	$\frac{17}{32}$	105	50	35	31	1.3
BI00885C	BT40-4	13.5	$\frac{17}{32}$	19.1	$\frac{3}{4}$	120	58	45	41	1.6

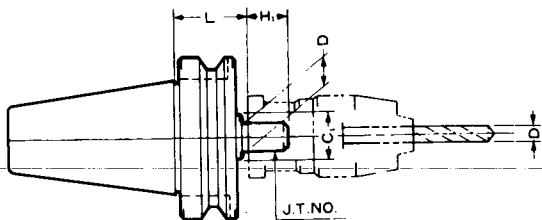
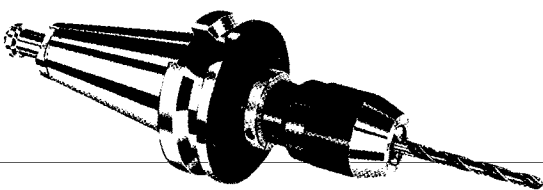
DOUBLE ANGLE COLLETS (for use on Double Angle Collet chuck)



PRODUCT CODE	DA300 1 CODE	D			
		MIN		MAX	
		m/m	IN	m/m	IN
BI00880T	1-2.8	2.4	$\frac{3}{32}$	2.8	$\frac{7}{64}$
BI00880U	3.2	2.8	$\frac{7}{64}$	3.2	$\frac{1}{8}$
BI00880V	3.6	3.2	$\frac{1}{8}$	3.6	$\frac{9}{64}$
BI00880X	4.0	3.6	$\frac{9}{64}$	4.0	$\frac{5}{32}$
BI00880Y	4.4	4.0	$\frac{5}{32}$	4.4	$\frac{11}{64}$
BI00880Z	4.8	4.4	$\frac{11}{64}$	4.8	$\frac{3}{16}$
PRODUCT CODE	DA200 2 CODE	D			
		MIN		MAX	
		m/m	IN	m/m	IN
BI00881	2-5.2	4.8	$\frac{3}{16}$	5.2	$\frac{13}{64}$
BI00881A	5.6	5.2	$\frac{13}{64}$	5.6	$\frac{7}{32}$
BI00881B	6.0	5.6	$\frac{7}{32}$	6.0	$\frac{15}{64}$
BI00881C	6.4	6.0	$\frac{15}{64}$	6.4	$\frac{1}{4}$
BI00881D	6.8	6.4	$\frac{1}{4}$	6.8	$\frac{17}{64}$
BI00881E	7.2	6.8	$\frac{17}{64}$	7.2	$\frac{9}{32}$
BI00881F	7.6	7.2	$\frac{9}{32}$	7.6	$\frac{19}{64}$
BI00881G	8.0	7.6	$\frac{19}{64}$	8.0	$\frac{5}{16}$
BI00881H	8.4	8.0	$\frac{5}{16}$	8.4	$\frac{21}{64}$
BI00881I	8.8	8.4	$\frac{21}{64}$	8.8	$\frac{11}{32}$

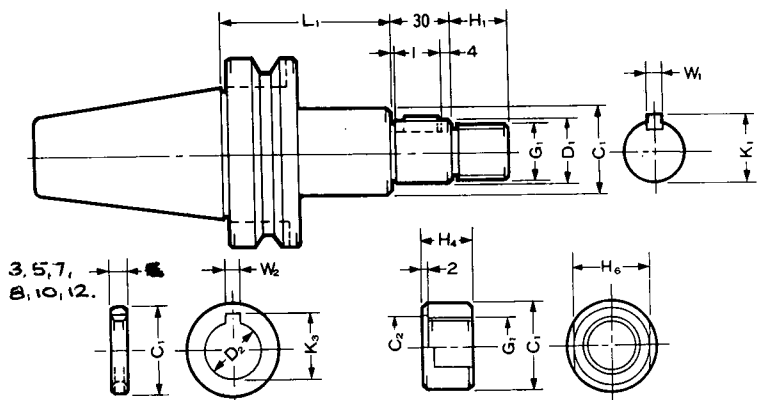
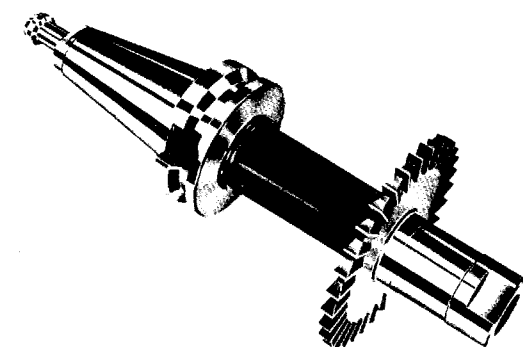
PRODUCT CODE	DA100 3 CODE	D			
		MIN		MAX	
		m/m	IN	m/m	IN
BI00881K	3- 9.6	8.8	$\frac{11}{32}$	9.6	$\frac{3}{8}$
BI00881L	10.4	9.6	$\frac{3}{8}$	10.4	$\frac{13}{32}$
BI00881M	11.2	10.4	$\frac{13}{32}$	11.2	$\frac{7}{16}$
BI00881N	12.0	11.2	$\frac{7}{16}$	12.0	$\frac{15}{32}$
BI00881P	12.8	12.0	$\frac{15}{32}$	12.8	$\frac{1}{2}$
BI00881Q	13.5	12.8	$\frac{1}{2}$	13.5	$\frac{17}{32}$
PRODUCT CODE	DA180 4 CODE	D			
		MIN		MAX	
		m/m	IN	m/m	IN
BI00881R	4-14.3	13.5	$\frac{17}{32}$	14.3	$\frac{9}{16}$
BI00881S	15.1	14.3	$\frac{9}{16}$	15.1	$\frac{19}{32}$
BI00881T	15.9	15.1	$\frac{19}{32}$	15.9	$\frac{5}{8}$
BI00881U	16.7	15.9	$\frac{5}{8}$	16.7	$\frac{21}{32}$
BI00881V	17.5	16.7	$\frac{21}{32}$	17.5	$\frac{11}{16}$
BI00881W	18.3	17.5	$\frac{11}{16}$	18.3	$\frac{23}{32}$
BI00881X	19.1	18.3	$\frac{23}{32}$	19.1	$\frac{3}{4}$

ADAPTERS FOR DRILL CHUCK (Jacobs)



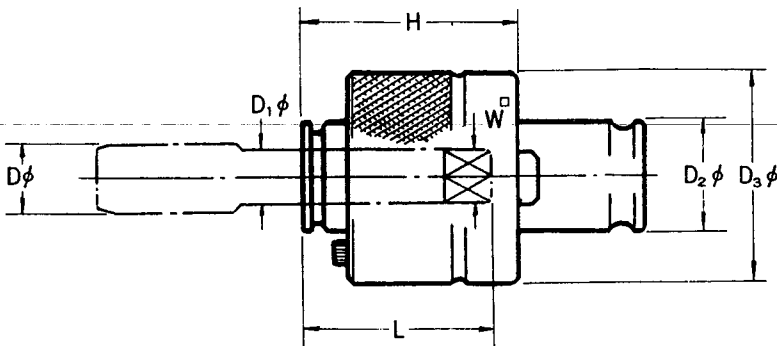
PRODUCT CODE	IDENT.	J.T. No.	L	D	C	H	WT. (Kg)
BI00881J	BT35-J6	6	30	17.17	30	24	1.0
BI00886P	BT40-J1	1	45	9.754	30	15	1.2
BI00886Q	BT40-J1		105				1.4
BI00886R	BT40-J2	2	45	13.94	30	18	1.2
BI00886S	BT40-J2	Short	105				1.4
BI00886T	BT40-J2	2	45	14.199	30	20	1.2
BI00886U	BT40-J2		105				1.4
BI00886V	BT40-J33	33	45	15.85	30	24	1.2
BI00886W	BT40-J33		105				1.4
BI00886X	BT40-J6	6	45	17.17	30	24	1.2
BI00886Y	BT40-J6		105				1.4

STUB ARBOR



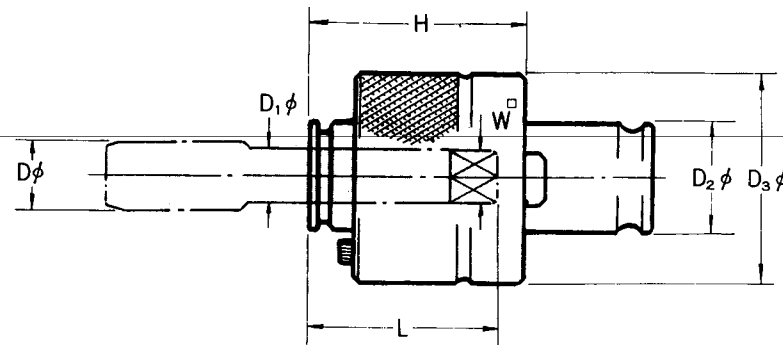
PRODUCT CODE	IDENT.	D1(h6)	L1	C1	G1	H1	W1	K1	D2	W2	K3	H4	H6	WT. (Kg)
BI00887	BT40-13mm	13	75	20	M12x1.25	15	—	—	13	—	—	12	17	1.50
BI00887A	BT40-13mm		105											1.80
BI00887B	BT40-16mm	16	75	26	M14x1.5	16	4	17.2	16	4	17.7	13	22	1.50
BI00887C	BT40-16mm		105											1.80
BI00887D	BT40-22mm	22	75	34	M20x1.5	21	6	23.2	22	6	24.1	18	30	1.70
BI00887E	BT40-22mm		120											2.0
BI00887F	BT40-27mm	27	75	40	M24x2.0	25	7	29	27	7	29.8	21	32	1.9
BI00887G	BT40-27mm		120											2.3
BI00887H	BT40-32mm	32	75	46	M30x2.0	30	8	34	32	8	34.8	26	41	2.4
BI00887I	BT40-1/2"	12.7	75	20	M12x1.25	15	—	—	12.7	—	—	12	17	1.4
BI00887J	BT40-1/2"		105											1.7
BI00887K	BT40-5/8"	15.875	75	26	M14x1.5	16	3.18	17.42	15.875	3.18	17.7	13	22	1.5
BI00887L	BT40-5/8"		105											1.8
BI00887M	BT40-7/8"	22.225	75	34	M20x1.5	21	3.18	23.82	22.225	3.18	24.1	18	30	1.7
BI00887N	BT40-7/8"		120											2.0
BI00887P	BT40-1"	25.4	75	40	M24x2.0	25	6.35	27.78	25.4	6.35	28.1	21	32	1.9
BI00887Q	BT40-1"		120											2.3
BI00887R	BT40-1 1/4"	31.75	75	46	M30x2.0	30	7.92	34.92	31.75	7.92	35.2	26	41	2.4

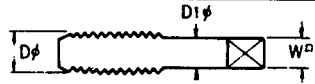
TAP COLLETS (DIN, ISO IMPERIAL)



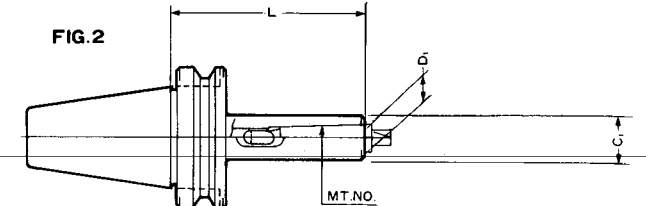
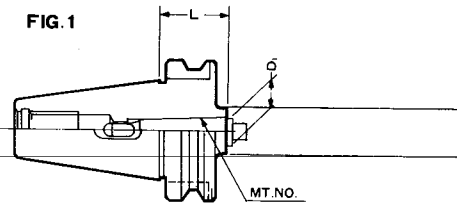
PRODUCT CODE	TAP SPEC						
		CODE	D	D1	W	L	
BI00895	ISO Metric	12- 3S	3	3.15	2.5	26.5	
BI00895A		- 4S	4	4.0	3.15	27.5	
BI00895B		- 5S	5	5.0	4.0	28.5	
BI00895C		- 6S	6	6.3	5.0	32	
BI00895D		- 8S	8	8.0	6.3	33	
BI00895E		-10S	10	10.0	8.0	35	
BI00895F		-12S	12	9.0	7.1	34	
BI00896	ISO Pipe	12-1/8PS	9.728	8.0	6.3	25	
BI00897	IMPERIAL BSW BSF	12-1/8S (No 5S)	3.175	3.15	2.5	26.5	
BI00897A		-6S	3.505	3.55	2.8		
BI00897B		-8S	4.166	4.5	3.55	27.5	
BI00897C		-10S (No 10S)	4.762	5.0	4.0	28.5	
BI00897D		-12S	5.480	5.6	4.5		
BI00897E		-1/4S	6.350	6.3	5.0	32	
BI00897F		-5/16S	7.937	8.0	6.3	33	
BI00897G		-3/8S	9.525	10.0	8.0	35	
BI00897H		-7/16S	11.112	8.0	6.3	33	
BI00897I		-1/2S	12.700	9.0	7.1	34	
	IMPERIAL Pipe						
BI00898		12-1/8PB	9.728	8.08	6.0	24	
BI00899	DIN Pipe	-1/8R	9.728	7.0	5.5	24	
BI00900	DIN Metric	12- 3D	3	3.5	2.7	27.5	
BI00900A		- 4D	4	4.5	3.4		
BI00900B		- 5D	5	6.0	4.9		
BI00900C		- 6D	6				
BI00900D		- 8D	8	8.0	6.2		
BI00900E		-10D	10	10.0	8.0		
BI00900F		-10D	10	7.0	5.5		
BI00900G		-12D	12	9.0	7.0	34	

TAP COLLETS (DIN, ISO IMPERIAL)



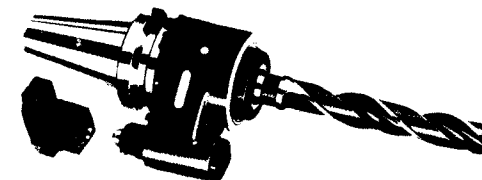
PRODUCT CODE	TAP SPEC						
		CODE	D	D1	W	L	
BI00895G	ISO Metric	24-12S	12	9	7.1	36	
BI00895H		-14S	14	11.2	9.0	41	
BI00895I		-16S	16	12.5	10.0	42	
BI00895J		-18S	18	14.0	11.2	47	
BI00895K		-20S	20				
BI00895L		-22S	22	16.0	12.5	49	
BI00895M		-24S	24	18.0	14.0	51	
BI00896A	ISO Pipe	24-1/4PS	13.157	10	8	30	
BI00896B		-3/8PS	16.662	12.5	10	33	
BI00896C		-1/2PS	22.911	18	14.0	41	
BI00896D		-5/8PS	22.911	18	14.0	41	
BI00897J	IMPERIAL BSW BSF	24-1/2S	12.700	9	7.1	36	
BI00897K		-9/16S	14.288	11.2	9	41	
BI00897L		-5/8S	15.875	12.5	10	42	
BI00897M		-3/4S	19.050	14	11.2	47	
BI00897N		-7/8S	22.225	16	12.5	49	
BI00897P		-1S	25.400	18	14	51	
BI00898A	IMPERIAL Pipe	24-1/4PB	13.157	10.9	8.18	30	
BI00898B		-3/8PB	16.662	13.77	10.31	33	
BI00898C		-1/2PB	20.955	17.45	13.08	39	
BI00898D		-5/8PB	22.911	20.32	15.3	41	
BI00900H	DIN Metric	24-12D	12	DIN 352, 376	9	7	36
BI00900I		-14D	14		11	9	41
BI00900J		-16D	16		12		
BI00900K		-18D	18		14	11	47
BI00900L		-20D	20		16	12	48
BI00900M		-22D	22		18	14.5	50
BI00900N		-24D	24				
BI00899A	DIN Pipe	24-1/4R	13.157	11	9	31	
BI00899B		-3/8R	16.662	12		32	
BI00899C		-1/2R	20.955	16	12	38	
BI00899D		-5/8R	22.911	18	14.5	40	

MORSE TAPER ADAPTER

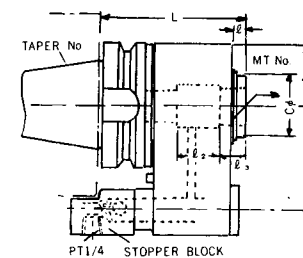


PRODUCT CODE	IDENT.	FIG	M.T. No.	L	D1	C1	WT. (Kg)
BI00886C	BT40-MT1	1	1	45	12.065	25	1.0
BI00886D	BT40-MT1	2		120			1.3
BI00886E	BT40-MT2	1	2	45	17.780	32	1.0
BI00886F	BT40-MT2	2		120			1.6
BI00886G	BT40-MT3	1	3	75	23.825	40	1.0
BI00886H	BT40-MT3	2		135			1.7
BI00886I	BT40-MT4	1	4	90	31.267	50	1.1

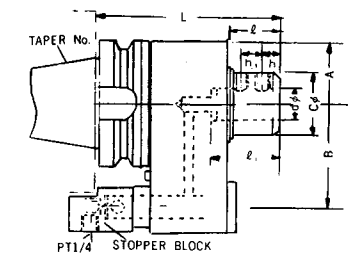
OIL HOLE HOLDER with automatic coolant inducer



- Greatly reduced drilling time on exotic metals and extended cutter life.
- Compact design for greater strength, and completely enclosed mechanism.



FOR MORSE TAPER SHANK DRILLS

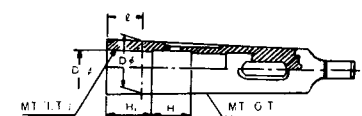


FOR STRAIGHT SHANK DRILLS

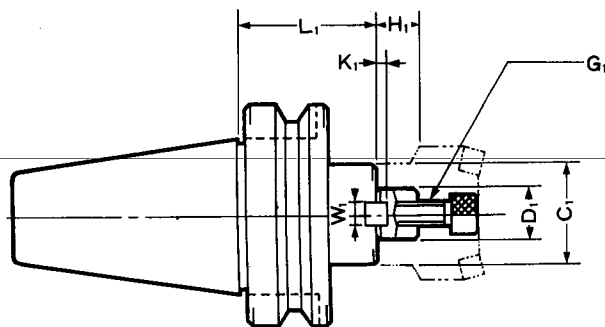
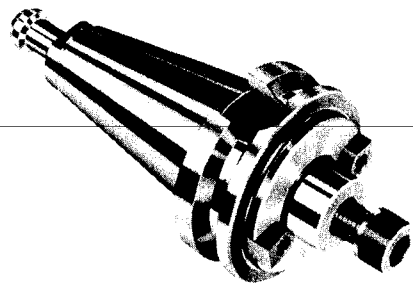
PRODUCT CODE	IDENT.	MT/dø	L	ℓ	ℓ ₁	ℓ ₂	ℓ ₃	A	B	Cø	h	h1	WT. (lbs)	FIG				
BI00886J	BT40-MT3	MT3	3.74	0.28	—	1.02	0.83	1.61	2.36	1.93	—	—	5.07	1				
BI00886K	BT40-MT4	MT4	4.13	0.67		1.38					—	—						
BI00886L	BT40- $\frac{5}{8}$ "	$\frac{5}{8}$	5.12	1.65	1.77	—					0.83	1.61	2.36	1.93	0.71	0.51	5.51	2
BI00886M	BT40- $\frac{3}{4}$ "	$\frac{3}{4}$			0.47										0.63			
BI00886N	BT40-1"	1			2.17										0.55	0.67		

PRODUCT CODE	CODE	MT(O.T.)	MT(I.T.)	D	D1	H	H1	ℓ
BI00817A	MTO-3-1	3	1	0.937	0.475	0.63	0.55	0.31
BI00817	-2		2		0.7	0.71	0.79	0.79
BI00817B	MTO-4-1	4	1	1.23	0.475	0.63	0.55	0.25
BI00817C	-2		2		0.7	0.71	0.79	
BI00817D	-3		3		0.937	0.98	0.79	0.98

REDUCING M.T. SOCKET

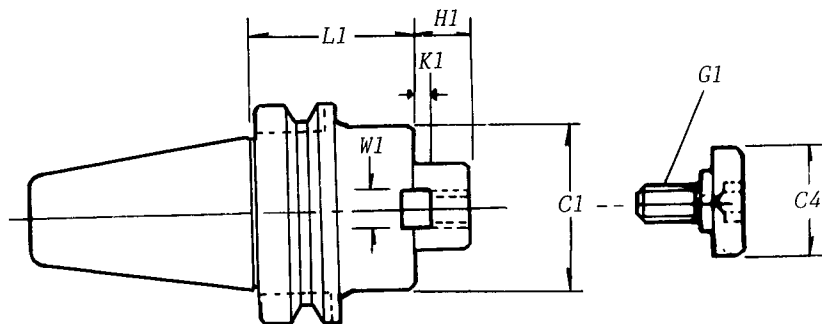
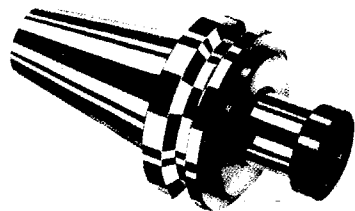


SHOULDER CUTTER ARBOR



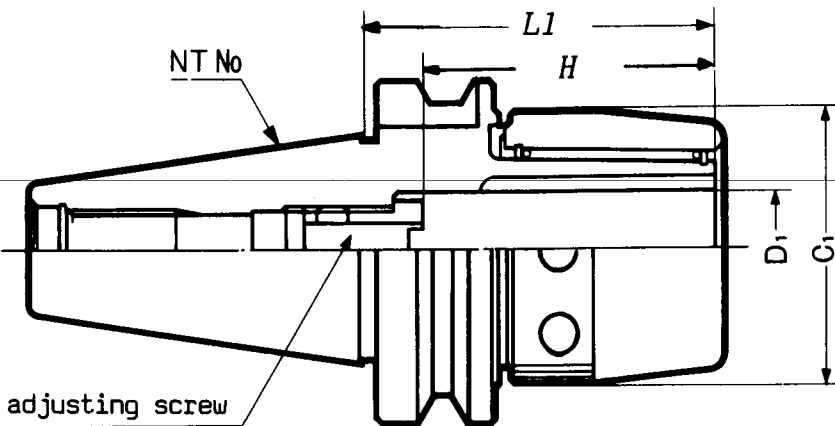
PRODUCT CODE	IDENT.	D1(h6)		L1	C1	H1	W1	K1	G1	WT. (Kg)	FIG
		m/m	IN								
BI00882B	BT35-1"	25.4	1000	35	70	20	9.5	6	M12	1.4	2
BI00882C	BT35-1½"	38.1	1500	40	85	22	15.9	7	M16	1.9	2
BI00882D	BT35-22	22	—	30	45	18	10	5	M10	1.1	2
BI00882E	BT35-27	27	—	35	70	20	12	6	M12	1.4	2
BI00882F	BT35-32	32	—	40	85	22	14	7	M16	1.9	2
BI00885R	BT40-1"	25.4	1000	45	70	20	9.5	6	M12	2.0	2
BI00885S	BT40-1"			90						3.4	2
BI00885T	BT40-1½"	38.1	1500	60	85	22	15.9	7	M16	2.3	2
BI00885U	BT40-1½"			75						4.0	2
BI00885V	BT40-27	27	—	60	70	20	12	6	M12	2.6	2
BI00885W	BT40-27			90						3.4	2
BI00885X	BT40-32	32	—	60	85	22	14	7	M16	3.3	2
BI00885Y	BT40-32			75						4.0	2

SHELL END MILL ARBOR



PRODUCT CODE	IDENT.	D1(h6)		L1	C1	C4	W1	H1	K1	G1	WT. (Kg)
		m/m	IN								
BI00882G	BT35-1"	25.4	1000	30	50	33	9.5	17.2	5	M12	1.0
BI00882H	BT35-1¼"	31.75	1250	35	60	40	12.7		7	M16	1.1
BI00886	BT40-1"	25.4	1000	45	50	33	9.5	17.2	5	M12	1.4
BI00886A	BT40-1¼"	31.75	1250		60	40	12.7		7	M16	1.6
BI00886B	BT40-1½"	38.1	1500		80	50	15.9		9	M20	2.2

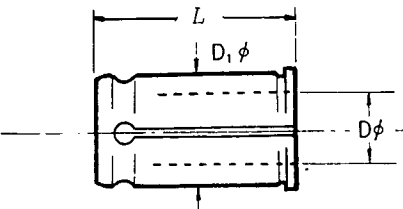
“MULTI-LOCK” COLLET CHUCK



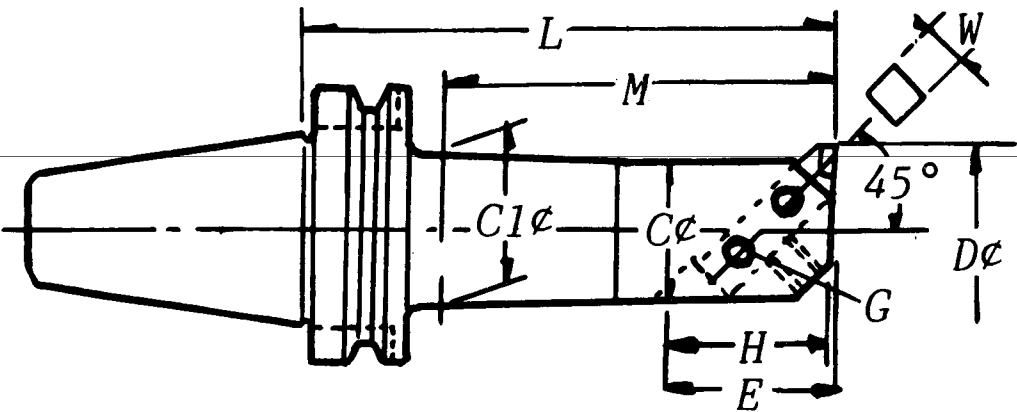
PRODUCT CODE	IDENT.	D1	C1	L1	H		WT. (Kg)
					MIN.	MAX.	
BI00880C	BT35-C20- 85	20(¾)	58	85	52	65	1.1
BI00880D	BT35-C32-105	32(1¼)	75	105	—	—	2.1
BI00901	BT40-C20- 90	20(¾)	58	90	52	65	1.8
BI00901A	BT40-C20-125			125			2.5
BI00901B	BT40-C32-105	32(1¼)	75	105	69	87	2.6
BI00901C	BT40-C32-135			135			3.3

END MILL COLLETS (for use on multi-lock collet chucks)

PRODUCT CODE	IDENT.	D1	D2	L
BI00880E	C20- 6(¼)	6(¼)	20(¾)	55
BI00880F	- 8(⅝)	8(⅝)		
BI00880G	-10(⅞)	10(⅞)		
BI00880H	-12(1)	12(1)		
BI00880I	-16(1⅜)	16(1⅜)		
BI00880J	C32- 6(¼)	6(¼)	32(1¼)	70
BI00880K	- 8(⅝)	8(⅝)		
BI00880L	-10(⅞)	10(⅞)		
BI00880M	-12(1)	12(1)		
BI00880N	-16(1⅜)	16(1⅜)		
BI00880P	-20(1½)	20(1½)		
BI00880Q	-25(1")	25(1")		

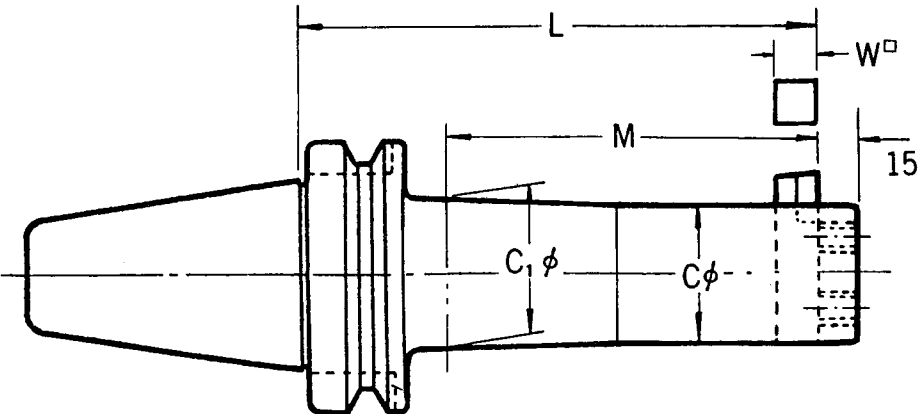


SQUARE SHANK BORING BAR-TYPE A



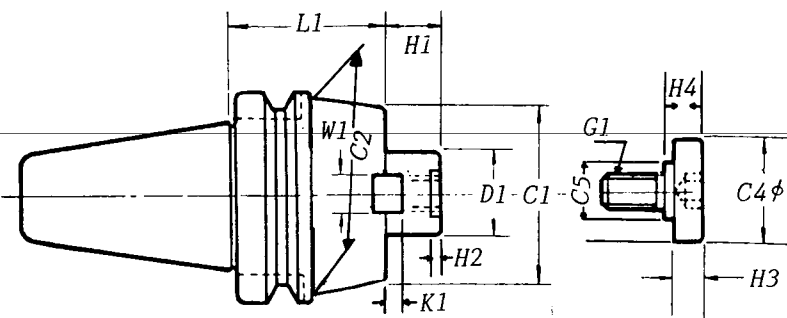
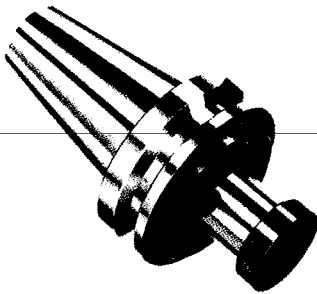
PRODUCT CODE	IDENT.	D		L	M	H	C1	C2	E	W	G	WT. (Kg)
		MIN.	MAX.									
BI00902	BT40-25-120	25	38	120	90	35	20	22	1	8	M 6	1.2
BI00902A	30-150	30	42	150	120	40	24	26	1.6	8	M 6	1.4
BI00902B	38-165	38	52	165	135	50	30	33	2.6	10	M 8	1.7
BI00902C	42-165	42	56	165	135	60	34	37	2	10	M 8	1.8
BI00902D	50-165	50	65	165	135	65	40	44	3	12	M10	2.3
BI00902E	62-180	62	90	180	150	80	50	56	3	16	M10	3.4
BI00902F	72-180	72	110	180	150	95	60	—	2.4	20	M10	3.9
BI00902G	90-180	90	125	180	150	110	75	—	4	20	M12	5.2

SQUARE SHANK BORING BAR-TYPE B

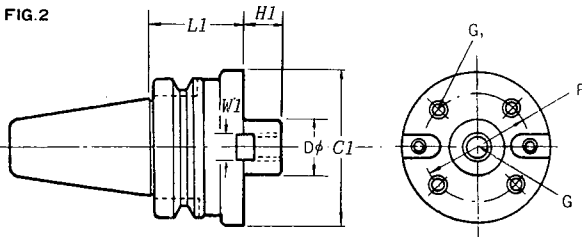
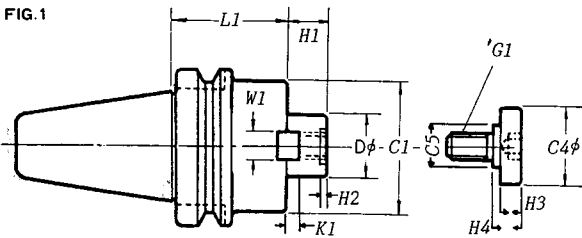
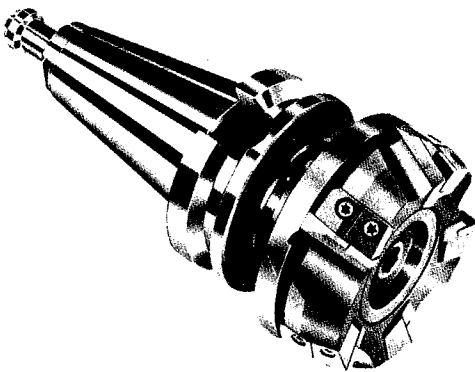


PRODUCT CODE	IDENT.	D		L	LO	M1	H1	C1	C2	W1	G1	WT. (Kg)
		MIN.	MAX.									
BI00903	BT40-25-120	25	52	120	135	90	50	20	22	8	M 8	1.2
BI00903A	38-165	38	70	165	180	135	70	30	32	10	M10	1.7
BI00903B	50-165	50	90	165	180	135	85	40	44	13	M10	2.5
BI00903C	62-180	62	115	180	195	150	95	50	56	16	M10	3.6
BI00903D	72-180	72	135	180	195	150	110	60	—	19	M10	4.5
BI00903E	90-180	90	150	180	195	150	130	75	—	19	M12	5.9

FACE MILL ARBOR



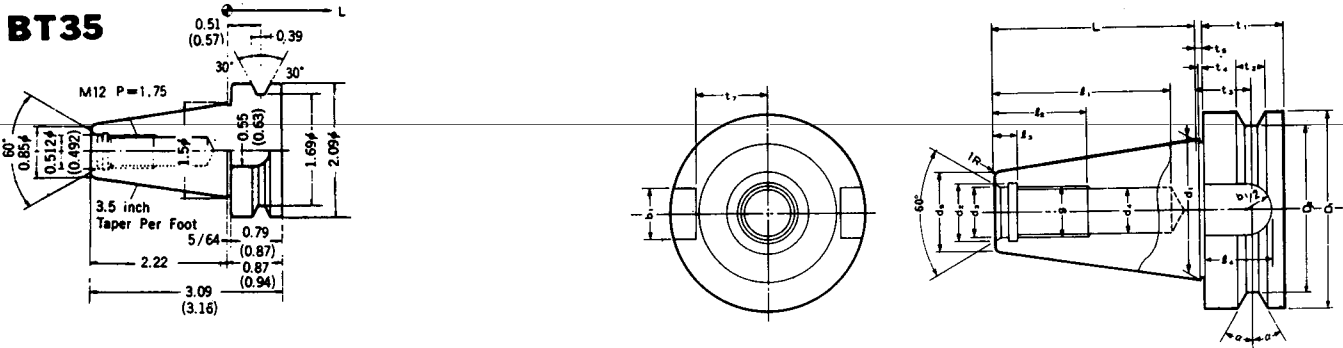
PRODUCT CODE	IDENT.	D1(h6)		L1	C1	C2	H1	H2	W1	K1	G1	C4	C5	H3	H4	WT. (Kg)
		m/m	IN													
BI00881Y	BT35-1"	25.4	1000	35	50	—	22	—	9.5	5	M12	33	25	10	12	1.0
BI00881Z	BT35-1¼"	31.75	1250	35	60	—	30	6	12.7	7	M16	40	23	10	16	1.1
BI00885D	BT40-1"	25.4	1000	45	50	—	22	—	9.5	5	M12	33	25	10	12	1.4
BI00885E	BT40-1"	25.4	1000	90	50	60	22	—	9.5	5	M12	33	25	10	12	3.1
BI00885F	BT40-1¼"	31.75	1250	45	60	—	30	6	12.7	7	M16	40	23	10	16	1.6
BI00885G	BT40-1½"	31.75	1250	75	60	—	30	6	12.7	7	M16	40	23	10	16	3.0
BI00885H	BT40-1½"	38.1	1500	60	80	—	34	6	15.9	9	M20	50	27	14	20	2.2



PRODUCT CODE	IDENT.	FIG	D1(h6)		L1	C1	H1	H2	W1	K1	G1	C4	C5	H3	H4	WT. (Kg)
			m/m	IN												
BI00882	BT35-1"	1	25.4	1000	40	80	26	—	9.5	5	M12	33	23	10	12	1.7
BI00882A	BT35-1½"	1	38.1	1500	40	85		6	15.9	9	M20	50	27	14	20	2.0
BI00880	BT35-27	1	27	—	40	80		—	12	6	M12	33	23	10	12	1.8
BI00880B	BT35-40	1	40	—	40	85		6	16	8.5	M20	50	27	14	29	2.1
BI00885I	BT40-1"	1	25.4	1000	60	80	26	—	9.5	5	M12	33	23	10	12	2.4
BI00885J	BT40-1"				90											4.7
BI00885K	BT40-1½"	1	38.1	1500	60	85	26	6	15.9	9	M20	50	27	14	20	2.4
BI00885L	BT40-1½"				75											4.2
BI00885M	BT40-27	1	27	—	60	80	26	—	12	6	M12	33	23	10	12	2.5
BI00885N	BT40-27				90											4.8
BI00885P	BT40-40	1	40	—	60	85	26	—	9.5	8.5	M12	50	27	14	20	2.5
BI00885Q	BT40-40				75											4.2

SHANK STYLE

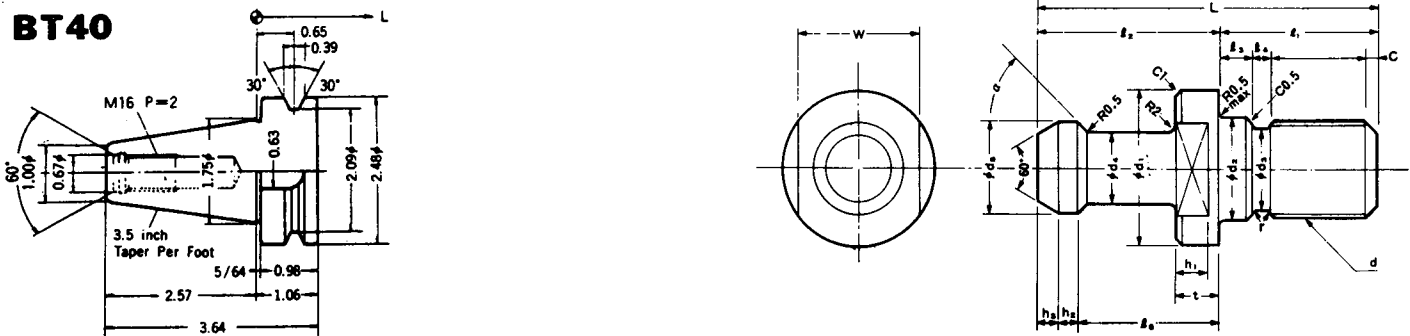
BT35



CODE	D1		D2	t1	t2		t3		t4	t5		a		d1
BT35	53	0	43	20	10	+0.1	13	±0.1	1.6	2	±0.4	30°	0 -15	38.10
BT40	63	-0.05	53	25	10	0	16.6		2	2				44.45

CODE	d2	d3(h8)	d4	L		L2	L3	g	L4	b1		t7		d5	L1	
BT35	14	13	10.3	56.5	±0.2	25	7	M12	18	14.1	+0.1 0	19.3	0	21.6	60	
BT40	19	17	14	65.4		30	8	M16	21	16.1	+0.18 0	22.6		-0.2	25.3	70

BT40



CODE	L	L1	L2		d1	t		h1	d2(h7)		L3	d3	L4	r	d
BT35	53	25	28	0	20	5	0	3.5	13	0	5	10	3	0.5	M12
BT40	60	25	35	-0.1	23	6	-0.1	4	17	-0.018	5	13	4	1	M16

CODE	C	L5		d4		d5		h2	h3	W		a
BT35	2	22.5	0	8.9	0	13.7	0	3	2.5	17	⁰ -0.025	60°
BT40	2	28	-0.1	10	-0.1	15	-0.1	3	4	19	⁰ -0.35	45°

MICRO-CUT BORING ARBOR with Cartridge

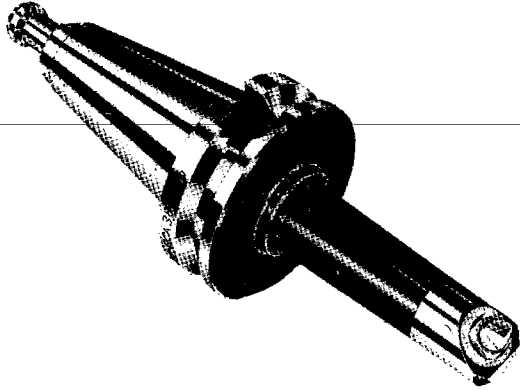


FIG.1

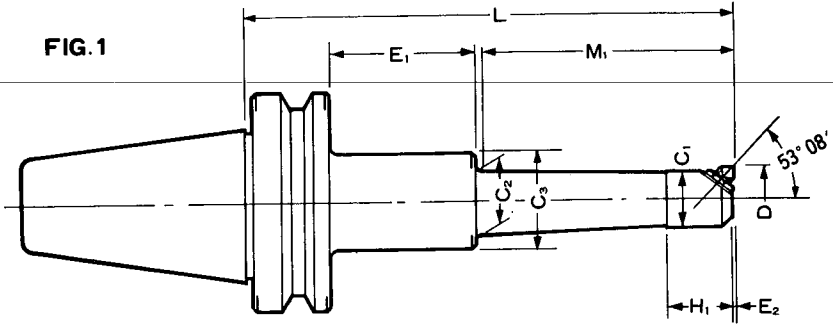


FIG.2

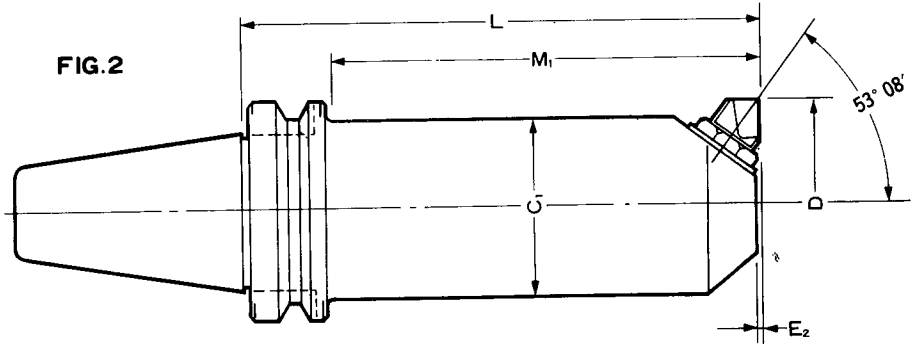
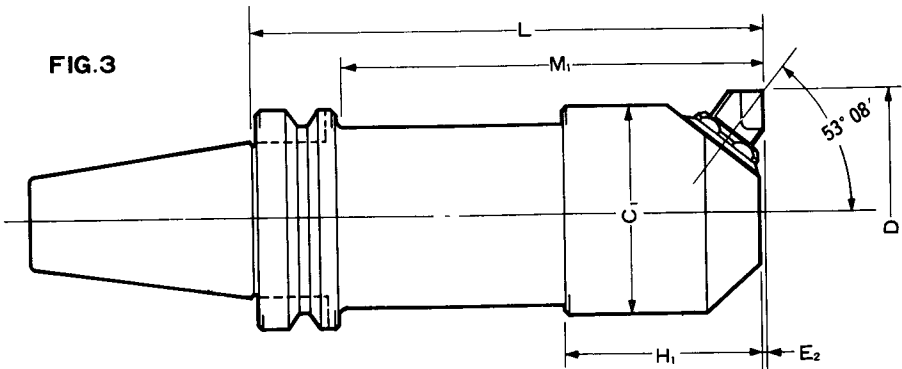


FIG.3



PRODUCT CODE	IDENT.	FIG.	D		L	M	C1	C2	C3	H	E	WT. (Kg)
			MIN.	MAX.								
BI00904	BT40-13.5-105	1	13.5	16	105	67	12	13	44	15	0.2	1.1
BI00904A	14.5-105	1	14.5	17	105	67	12	14	44	15	0.2	1.1
BI00904B	16 -105	1	16	22.5	105	73	14	15	—	18	0.2	1.1
BI00904C	19 -120	1	19	23	120	86	16	18	44	23	0.2	1.2
BI00904D	23 -135	1	23	29	135	105	19	22	—	24	0.2	1.2
BI00904E	29 -150	1	29	41	150	115	25	28	44	30	0.2	1.4
BI00904F	38 -150	1	38	49	150	115	33	35	55	41	0.2	1.7
BI00904G	46 -150	1	46	66	150	115	38	41	55	45	0.2	2.1
BI00904H	62 -165	2	62	87	165	135	51	—	—	—	0.2	2.9
BI00904I	83 -150	3	83	108	150	—	63	—	—	—	0.2	3.4
BI00904J	98 -150	1	98	143	150	—	83	—	—	90	0.2	4.8

TOOLING SYSTEM (BT)

