

**BPT**  
**BIRLA**  
**PRECISION**

DAGGER BRAND®

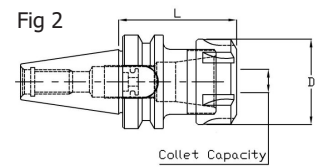
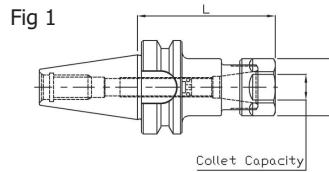


SINCE 1937

**PRECISION CUTTING & GRIPPING**

CATALOGUE | सूची

**ER Collet Chucks**

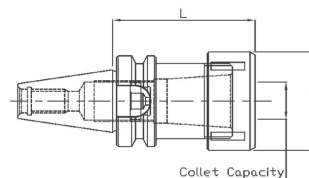


- Balanced by Design, Through tool holder coolant capability
- Order Example – BT30ER16060M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT30ER16060M-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT30ER16060M	16ER	0.5 - 10	1	28	60	0.6	LNHER16M	OEW25M	BSS044038G
BT30ER16100M	16ER	0.5 - 10	1	28	100	0.6	LNHER16M	OEW25M	BSS044038G
BT30ER20060M	20ER	0.5 - 13	1	34	60	0.6	LNHER20M	OEW30M	BSS056041G
BT30ER20100M	20ER	0.5 - 13	1	34	100	0.6	LNHER20M	OEW30M	BSS056041G
BT30ER25060M	25ER	1 - 16	2	42	60	0.6	LNER25M	ER25WM	BSS075041G
BT30ER25100M	25ER	1 - 16	2	42	100	0.6	LNER25M	ER25WM	BSS075041G
BT30ER32070M	32ER	2 - 20	2	50	70	0.6	LNER32M	ER32WM	BSS094041G
BT30ER32100M	32ER	2 - 20	2	50	70	0.6	LNER32M	ER32WM	BSS094041G
BT30ER40080M	40ER	3 - 26	2	63	80	0.9	LNER40M	ER40WM	BSS112041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately, ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)

**TG Collet Chucks**

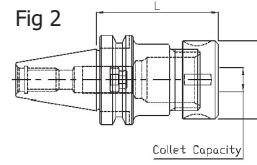
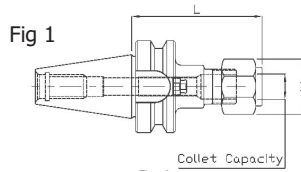


- Tremendous Grip, Balanced by Design, Through the tool holder coolant capability.
- Order Example – BT30TG07575M,
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT30TG075075M-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT30TG075075M	75TG	2/6/20	50	75	0.6	LNA075M	HSW45M	BSS081041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately, ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**DA Collet Chucks**

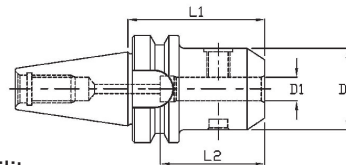


- Balanced by design, Through the tool holder coolant capability.
- Order Example – BT30DA208060M,
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT30DA208060M-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT30DA208060M	200DA	0.2 - 10	1	28	60	0.5	LNA208M	OEW24M	BSS031031G
BT30DA188060M	180DA	2-2-20	2	43	60	0.7	LNA188M	HSW45M	BSS056041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately, DA Collets (Page No.245-246), Wrench & Pull Stud (Page No. 252-253)

**End Mill Adapters - Metric**



- Balanced by Design, Through the tool holder coolant capability
- Order Example – BT30EM06050M,
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT30EM06050M-G2.5

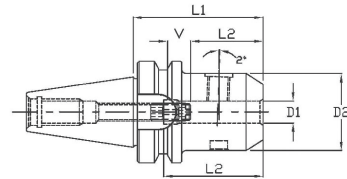
Catalogue No	D1	D2	L1	L2	Wt. Kg.	Clamping Screw	No of Clamp Screw	Wrench Allen Key
BT30EM06050M	6	25	50	40	0.50	BSS03M012	1	3 mm
BT30EM08060M	8	28	60	40	0.60	BSS03M014	1	4 mm
BT30EM10060M	10	35	60	45	0.70	BSS03M018	1	5 mm
BT30EM12060M	12	42	60	50	0.80	BSS03M023	1	6 mm
BT30EM16060M	16	48	60	53	2.80	BSS03M025	1	6 mm
BT30EM20080M	20	52	80	55	1.12	BSS03M026	1	8 mm

**End Mill Adapters – Inch.**

Catalogue No	D1	D2	L1	L2	Wt.	Clamping Screw Lbs	No of Screw Key	Allen
BT30EM012236	1/8	0.69	2.36	3.30	0.94	BS1045PKG	1	3/32
BT30EM018236	3/16	0.69	2.36	3.30	0.94	BS1045PKG	1	3/32
BT30EM025236	1/4	1.00	2.36	3.30	1.10	BELS025025PKG	1	1/8
BT30EM031236	5/16	1.00	2.36	3.30	1.08	BELS031031PKG	1	5/32
BT30EM038236	3/8	1.00	2.36	3.30	1.08	BELS038031PKG	1	3/16
BT30EM050236	1/2	1.38	2.36	1.97	1.26	BELS044038PKG	1	7/32
BT30EM062236	5/8	1.63	2.36	2.09	1.42	BELS056050PKG	1	1/4
BT40EM075236	3/4	1.75	2.36	2.22	1.45	BELS062050PKG	1	5/16

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.
- All details are subject to change without notice

**Whistle Notch Adapters - Metric**

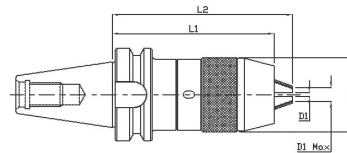


- Balanced-by-design,
- Through the tool holder coolant capability
- Order Example – BT30WN06080M
- Balanced G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT30WN06080M – G6.3

Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
BT30WN06080M	6	25	80	28	8	0.47	BWS6MPKG	3 mm	B.571.060	2.5 mm
BT30WN08080M	8	28	80	28	10	0.49	BWS8MPKG	4 mm	B.571.061	3.0 mm
BT30WN10080M	10	35	80	32	10	0.58	BWS10MPKG	5 mm	B.571.062	4.0 mm
BT30WN12090M	12	42	90	37	10	0.66	BWS12MPKG	6 mm	B.571.063	5.0 mm
BT30WN14090M	14	44	90	37	10	0.68	BWS12MPKG	6 mm	B.571.063	5.0 mm
BT30WN16090M	16	48	90	40	12	0.71	BWS14MPKG	6 mm	B.571.064	6.0 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw & Stop Screw.
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)

**Drill Chucks**



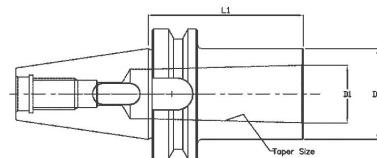
DRILL CHUCK

- Balance by-design, Through tool holder coolant capability
- Order Example - BT30DC13096M

Catalogue No	D1Min .-Max	D2	L1	L2	Wt.Kg	Wrench
BT30DC13112M	1 - 13	50.50	112	126.1	1.6	13S

- **Scope of Supply** : Basic Tool Holder & Wrench
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

**Morse Taper Adapters**

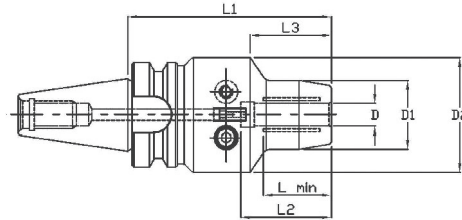


- Balance by-design, No through coolant capability, Form -AD
- Recommended for tools with a morse taper and tang
- Order Example - BT30MT1050M

Catalogue No	Taper Size	D1	D2	L1	Wt.Kg
BT30MT1050M	1	12.1	25	50	0.8
BT30MT2060M	2	17.8	32	60	0.9
BT30MT3075M	3	23.8	40	75	0.95

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : Pull Stud (Page No. 252) To be ordered Separately.
- All details are subject to change without notice

### Hydraulic Energia Series



- Pre Balanced G2.5 @ 20,000 rpm,
- Through tool holder coolant capability
- Pressurising media hydraulic OIL
- Order Example - BT30SHYD06080MO

### Hydraulic Chucks - (OIL Filled) Metric

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. Kg
BT30SHYD06075MO	6	26	50	75	38	24	23	SHYDC-0M10	CSS-0510M	0.59
BT30SHYD08075MO	8	28	50	75	38	24	24	SHYDC-0M10	CSS-0510M	0.61
BT30SHYD10080MO	10	30	50	80	40	26	30	SHYDC-0M10	CSS-0612M	0.65
BT30SHYD12085MO	12	32	50	85	45	40	36	SHYDC-0M10	CSS-0615M	0.69
BT30SHYD14100MO	14	34	50	100	45	40	40	SHYDC-0M10	CSS-0812M	1.00
BT30SHYD16100MO	16	38	50	100	50	46	40	SHYDC-0M10	CSS-0812M	1.06
BT30SHYD18100MO	18	40	50	100	52	50	43	SHYDC-0M10	CSS-0815M	1.09
BT30SHYD20100MO	20	42	50	100	52	50	43	SHYDC-0M10	CSS-0815M	1.11

### Cutting Tool Shank Requirements Metric (ISO Standard)

cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

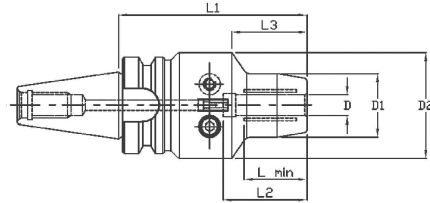
### Cutting Tool Shank Requirements inch (industry standard)

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)

- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Hydraulic Chucks**



- Pre Balanced G2.5 @ 20,000 rpm,
- Through tool holder coolant capability
- Pressurizing media Patented Silicon Jelly
- Order Example - BT30-SHYD06-075M

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. Kg
BT30SHYD06075MO	6	26	50	75	38	24	23	SHYDC-0M10	CSS-0510M	0.59
BT30SHYD08075MO	8	28	50	75	38	24	24	SHYDC-0M10	CSS-0510M	0.61
BT30SHYD10080MO	10	30	50	80	40	26	30	SHYDC-0M10	CSS-0612M	0.65
BT30SHYD12085MO	12	32	50	85	45	40	36	SHYDC-0M10	CSS-0615M	0.69
BT30SHYD14100MO	14	34	50	100	45	40	40	SHYDC-0M10	CSS-0812M	1.00
BT30SHYD16100MO	16	38	50	100	50	46	40	SHYDC-0M10	CSS-0812M	1.06
BT30SHYD18100MO	18	40	50	100	52	50	43	SHYDC-0M10	CSS-0815M	1.09
BT30SHYD20100MO	20	42	50	100	52	50	43	SHYDC-0M10	CSS-0815M	1.11

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. Kg
BT30SHYD0252950	1/4"	26	50	2.95"	38	24	23	SHYDC-0M10	CSS-0510M	1.30
BT30SHYD0383150	3/8"	30	50	3.15"	40	26	30	SHYDC-0M10	CSS-0612M	1.43
BT30SHYD0503350	1/2"	32	50	3.35"	45	40	36	SHYDC-0M10	CSS-0615M	1.50
BT30SHYD0623930	5/8"	38	50	3.93"	50	46	40	SHYDC-0M10	CSS-0815M	2.65

**Cutting Tool Shank Requirements Metric (ISO Standard)**

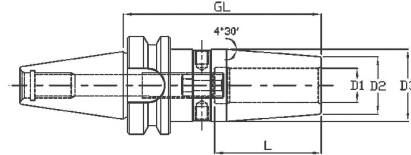
cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shrink Fit Adapters - Metric**



- Pre Balanced G2.5 @ 20,000 rpm,
- Through the tool holder coolant capability
- Order Example – BT30SF06075M,

Catalogue No	D1	D2	D3	GL	L	Wt. Kg.	Stop Screw	Wrench Size Stop Screw
BT30SF06075M	6	20	27	75	36	0.56	BTTSS05014M	2.5 mm
BT30SF08075M	8	20	27	75	36	0.56	BTTSS06014M	3 mm
BT30SF10075M	10	24	32	75	42	0.60	BTTSS08014M	4 mm
BT30SF12075M	12	24	32	75	47	0.59	BTTSS10014M	5 mm
BT30SF14075M	14	27	34	75	47	0.63	BTTSS10014M	5 mm
BT30SF16075M	16	27	34	75	50	0.61	BTTSS12014M	6 mm
BT30SF18090M	18	33	42	90	50	0.85	BTTSS12014M	6 mm
BT30SF20090M	20	33	42	90	52	0.82	BTTSS16014M	8 mm

**Shrink Fit Adapters – Inch.**

Catalogue No	D1	D2	D3	GL	L	Wt. Lbs	Stop Screw	Wrench Size Stop Screw
BT30SF025295	1/4	0.79	1.06	2.95	1.41	1.24	BTTSS05014M	2.5 mm
BT30SF031295	5/16	0.79	1.06	2.95	1.41	1.23	BTTSS06014M	3 mm
BT30SF038295	3/8	0.95	1.26	2.95	1.65	1.33	BTTSS08014M	4 mm
BT30SF044295	7/16	0.95	1.26	2.95	1.85	1.31	BTTSS10014M	5 mm
BT30SF050295	1/2	0.95	1.26	2.95	1.85	1.29	BTTSS10014M	5 mm
BT30SF056295	9/16	1.06	1.34	2.95	1.85	1.38	BTTSS10014M	5 mm
BT30SF062295	5/8	1.06	1.34	2.95	1.96	1.34	BTTSS12014M	6 mm
BT30SF068354	11/16	1.30	1.61	3.54	1.96	1.88	BTTSS12014M	6 mm
BT30SF075354	3/4	1.30	1.61	3.54	2.00	1.82	BTTSS16014M	8 mm

**Cutting Tool Shank Requirements Metric (ISO Standard)**

cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shell Mill Adapters - Metric**



Fig 1

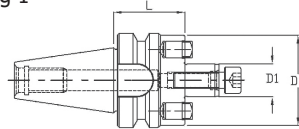
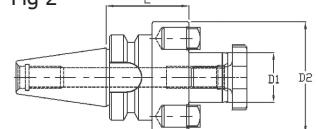


Fig 2



- Balanced by Design,
- Through the tool holder coolant capability
- Order Example – BT30SM16035M

Catalogue No	FIG	D1	D2	L	Wt. Kg.	Lock Screw	Wrench	Drive Key
BT30SM16035M	1	16	44	35	0.56	BMS1294	6 mm	BKDK16M
BT30SM22040M	1	22	50	40	0.70	BMS1234	8 mm	BKDK22M
BT30SM27045M	2	27	60	45	0.98	BKLS27MPKG	BSMW27M	BKDK27M

**Shell Mill Adapters – Inch**

Catalogue No	FIG	D1	D2	L	Wt. Lbs	Lock Screw	Wrench	Drive Key
BT30SM050118	2	1/2	1.44	1.18	2.10	BKLS05	3/16	BKDK04
BT30SM075118	2	3/4	1.69	1.18	2.30	BKLS07	1/4	BKDK05
BT30SM100177	2	1.00	2.19	1.77	2.48	BKLS10	5/16	BKDK06

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)

**Combi Shell Mill Adapters - Metric**



Fig 1

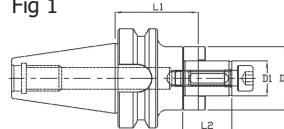
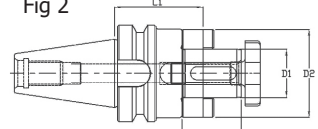


Fig 2



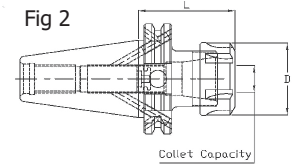
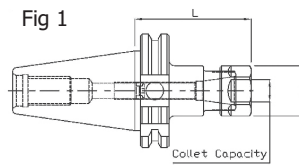
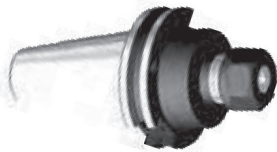
- Through the tool holder coolant capability
- Order Example - BT30CS16050M

Catalogue No	FIG	D1	D2	L1	L2	Wt.Kg.	Lock Screw	Wrench	Drive Ring	Drive Key
BT30CS 16050M	1	16	32	50	27	1.0	BMS1294	6 mm	BCDR16M	BCDK16M
BT30CS22050M	1	16	40	50	31	1.0	BMS1234	8 mm	BCDR22M	BCDK22M
BT30CS27055M	2	27	48	55	33	1.1	BKLS27MPKG	BSMW27M	BCDR27M	BCDK27M

- **Scope of Supply** : Basic Tool Holder, Lock Screw, Drive Key & Drive Ring
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice



**ER Collet Chucks**



- Balanced by Design, Through tool holder coolant capability
- Flange through coolant Form B/AD available on request
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm. available on request

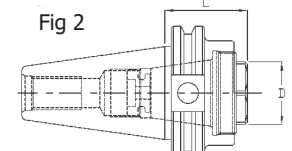
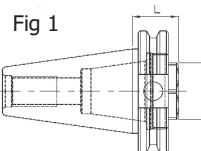
**ER Collet Chucks - Form AD**

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV40ER16250	16ER	0.02 – 0.41	1	1.10	2.50	2.40	LNHER16M	OEW25M	BSS044038G
CV40ER16500	16ER	0.02 – 0.41	1	1.10	5.00	3.20	LNHER16M	OEW25M	BSS044038G
CV40ER20250	20ER	0.02 – 0.50	1	1.34	2.50	2.40	LNHER20M	OEW30M	BSS056041G
CV40ER20600	20ER	0.02 – 0.50	1	1.34	6.00	3.70	LNHER20M	OEW30M	BSS056041G
CV40ER25250	25ER	0.04 – 0.63	2	1.65	2.50	2.60	LNER25M	ER25WM	BSS075041G
CV40ER25600	25ER	0.04 – 0.63	2	1.65	6.00	4.40	LNER25M	ER25WM	BSS075041G
CV40ER32275	32ER	0.04 – 0.81	2	1.97	2.75	2.60	LNER32M	ER32WM	BSS094041G
CV40ER32600	32ER	0.04 – 0.81	2	1.97	6.00	4.40	LNER32M	ER32WM	BSS094041G
CV40ER40300	40ER	0.12 – 1.00	2	2.48	3.00	3.00	LNER40M	ER40WM	BSS112041G
CV40ER40600	40ER	0.12 – 1.00	2	2.48	6.00	3.00	LNER40M	ER40WM	BSS112041G

**ER Collet Chucks - Form B/AD**

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV40BER16250	16ER	0.02 – 0.41	1	1.10	2.50	2.40	LNHER16M	OEW25M	BSS044038G
CV40BER16500	16ER	0.02 – 0.41	1	1.10	5.00	3.20	LNHER16M	OEW25M	BSS044038G
CV40BER20250	20ER	0.02 – 0.50	1	1.34	2.50	2.40	LNHER20M	OEW30M	BSS056041G
CV40BER20600	20ER	0.02 – 0.50	1	1.34	6.00	3.70	LNHER20M	OEW30M	BSS056041G
CV40BER25250	25ER	0.04 – 0.63	2	1.65	2.50	2.60	LNER25M	ER25WM	BSS075041G
CV40BER25600	25ER	0.04 – 0.63	2	1.65	6.00	4.40	LNER25M	ER25WM	BSS075041G
CV40BER32275	32ER	0.04 – 0.81	2	1.97	2.75	2.60	LNER32M	ER32WM	BSS094041G
CV40BER32600	32ER	0.04 – 0.81	2	1.97	6.00	4.40	LNER32M	ER32WM	BSS094041G
CV40BER40300	40ER	0.12 – 1.00	2	2.48	3.00	3.00	LNER40M	ER40WM	BSS112041G
CV40BER40600	40ER	0.12 – 1.00	2	2.48	6.00	3.00	LNER40M	ER40WM	BSS112041G

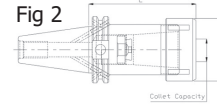
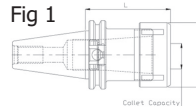
**ER Short - CV Form AD**



Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV40ZSER32106	32ER	0.08 – 0.81	1	1.41	1.06	1.40	LNECSER32M	OEW32M	BSS094041G
CV40SER32169	32ER	0.08 – 0.81	2	1.41	1.69	1.70	LNECSER32M	OEW32M	BSS094041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**TG Collet Chucks**

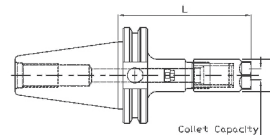


- Balanced by Design, Through tool holder coolant capability Flange through coolant Form B/AD available on request
- Order Example – CV40TG075254G Order Example – CV40BTG075254G
- Dynamically balanced to G6.3 @ 15,000 rpm & G2.5 at 20,000 rpm. available on request
- Order Example – CV40TG075254G-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV40TG075254G	75TG	3/64 – 3/4	1	1.97	2.54	2.50	LNA075M	HSW45M	BSS081041G
CV40TG075275	75TG	3/64 – 3/4	2	2.09	2.75	2.41	NPA075M	OEW188M	BSS081041G
CV40TG075579G	75TG	3/64 – 3/4	1	1.97	5.79	4.40	LNA075M	HSW45M	BSS081041G
CV40TG075600	75TG	3/64 – 3/4	2	2.09	6.00	4.40	NPA075M	OEW188M	BSS081041G
CV40TG075800G	75TG	3/64 – 3/4	1	1.97	8.00	5.54	LNA075M	HSW45M	BSS081041G
CV40TG0751000G	75TG	3/64 – 3/4	1	1.97	10.00	6.60	LNA075M	HSW45M	BSS081041G
CV40TG100276G	100TG	5/64 - 1	1	2.36	2.76	2.69	LNA100M	HSW58M	BSS112041G
CV40TG100300	100TG	5/64 - 1	2	2.44	3.00	2.77	NPA100M	OEW225	BSS112041G
CV40TG100376G	100TG	5/64 - 1	1	2.36	3.76	3.23	LNA100M	HSW58M	BSS112041G
CV40TG100400	100TG	5/64 - 1	2	2.44	4.00	3.28	LNPA100M	OEW225	BSS112041G
CV40TG100576G	100TG	5/64 - 1	1	2.36	5.76	5.52	LNA100M	HSW58M	BSS112041G
CV40TG100600	100TG	5/64 - 1	2	2.44	6.00	5.40	NPA100M	OEW225	BSS112041G
CV40TG150488	150TG	23/64 – 1 1/2	1	3.50	4.88	5.72	NPA150M	PSW350	BSS125050G
CV40BTG075275G	75TG	3/64 – 3/4	1	1.97	2.75	2.63	LNA075M	HSW45M	BSS081041G
CV40BTG075600G	75TG	3/64 – 3/4	1	1.97	6.00	4.96	LNA075M	HSW45M	BSS081041G
CV40BTG100300G	100TG	5/64 - 1	1	2.36	3.00	2.91	LNA100M	HSW58M	BSS094041G
CV40BTG100600G	100TG	5/64 - 1	1	2.36	6.00	6.05	LNA100M	HSW58M	BSS094041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately TG Collets (Page No.234-244), Wrench & Pull Stud (Page No. 252-253)

**DA Collet Chucks**

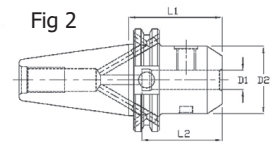
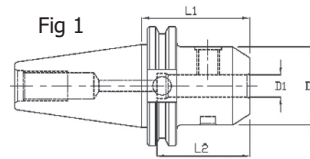


- Balanced by Design, Through tool holder coolant capability
- Order Example – CV40DA208300,
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm. available on request
- Order Example – CV40DA208300-G2.5
- Flange through coolant Form B/AD available on request Order Example – CV40BDA208300

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV40DA208300	200DA	1/64 – 25/64	1	1.15	3.00	2.40	NPA208	OEW100	BSS044038G
CV40DA208500	200DA	1/64 – 25/64	1	1.15	5.00	2.40	NPA208	OEW100	BSS044038G
CV40DA188300	180DA	1/64 – 3/4	1	1.73	3.00	2.40	NPA188	OEW150	BSS081041G
CV40DA188600	180DA	1/64 – 3/4	1	1.73	6.00	2.40	NPA188	OEW150	BSS081041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately DA Collets (Page No.245-246), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

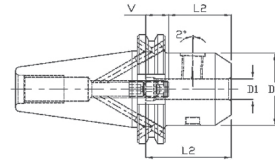
**End Mill Adapters - Inct**



- Balanced by Design, Through tool holder coolant capability Flange through coolant Form B/AD available on request
- Order Example – CV40ZEM012138 Order Example – CV40BEM050262
- Dynamically balanced to G6.3 @ 15,000 rpm, G2.5 at 20,000 rpm. available on request
- Order Example – CV40ZEM012138-G2.5

Catalogue No	FIG	D1	D2	L1	L2	Wt. Lbs	Clamping Screw	No of Lamp Screw	Wrench Allen Key
CV40ZEM012138	1	1/8	0.69	1.38	2.89	1.79	BS1045PKG	1	3/32
CV40EM012450	1	1/8	0.69	4.50	6.01	2.41	BS1045PKG	1	3/32
CV40ZEM018138	1	3/16	0.69	1.38	2.89	1.79	BS1045PKG	1	3/32
CV40EM018250	1	3/16	0.69	2.50	4.01	2.22	BS1045PKG	1	3/32
CV40EM018450	1	3/16	0.69	4.50	6.01	2.41	BS1045PKG	1	3/32
CV40ZEM025138	1	1/4	0.78	1.38	2.89	1.82	BELS025025PKG	1	1/8
CV40EM025250	1	1/4	1.00	2.50	4.01	2.35	BELS025025PKG	1	1/8
CV40EM025450	1	1/4	0.78	4.50	6.01	2.51	BELS025025PKG	1	1/8
CV40ZEM031138	1	5/16	1.00	1.38	2.89	1.85	BELS031031PKG	1	5/32
CV40EM031450	1	5/16	1.00	4.50	6.01	2.76	BELS031031PKG	1	5/32
CV40ZEM038138	1	3/8	1.00	1.38	2.89	1.85	BELS038031PKG	1	3/16
CV40EM038250	1	3/8	1.00	2.50	4.01	2.32	BELS038031PKG	1	3/16
CV40EM038450	1	3/8	1.00	4.50	6.01	2.69	BELS038031PKG	1	3/16
CV40EM038650	1	3/8	1.00	6.50	8.01	3.17	BELS038031PKG	1	3/16
CV40ZEM044175	1	7/16	1.25	1.75	3.26	2.00	BELS044038PKG	1	7/32
CV40EM044450	1	7/16	1.25	4.50	6.01	3.04	BELS044038PKG	1	7/32
CV40ZEM050175	1	1/2	1.75	1.75	3.26	2.27	BELS044038PKG	1	7/32
CV40EM050262	1	1/2	1.38	2.62	4.13	2.52	BELS044038PKG	1	7/32
CV40EM050462	1	1/2	1.25	4.62	6.13	3.05	BELS044038PKG	1	7/32
CV40EM050662	1	1/2	1.25	6.62	8.13	3.83	BELS044038PKG	1	7/32
CV40ZEM062175	1	5/8	1.75	1.75	3.56	2.19	BELS056050PKG	1	1/4
CV40EM062375	1	5/8	1.50	3.75	3.56	2.96	BELS056038PKG	1	1/4
CV40EM062575	1	5/8	1.63	5.75	3.56	4.21	BELS056050PKG	1	1/4
CV40ZEM075175	1	3/4	1.75	1.75	2.40	2.09	BELS062050PKG	1	5/16
CV40EM075375	1	3/4	1.75	3.75	3.94	3.21	BELS062050PKG	1	5/16
CV40EM075575	1	3/4	1.75	5.75	3.94	4.44	BELS062050PKG	1	5/16
CV40ZEM088175	1	7/8	1.88	1.75	2.27	2.31	BELS062050PKG	1	5/16
CV40EM088400	1	7/8	2.00	4.00	4.19	3.65	BELS062050PKG	1	5/16
CV40EM088600	1	7/8	1.88	6.00	4.19	4.86	BELS062050PKG	1	5/16
CV40ZEM100175	1	1	1.75	1.75	2.64	1.78	DWG ELS075044	2	3/8
CV40EM100400	1	1	2.00	4.00	4.43	3.39	BELS075056PKG	2	3/8
CV40EM100600	1	1	2.00	6.00	4.43	5.04	BELS075056PKG	2	3/8
CV40ZEM125200	1	1 1/4	2.25	2.00	2.35	2.25	BDWG ELS075044	2	3/8
CV40EM125425	1	1 1/4	2.50	4.25	2.39	4.96	BELS075062PKG	2	3/8
CV40EM125625	1	1 1/4	2.50	6.25	2.39	7.47	BELS075062PKG	2	3/8
CV40EM150462	1	1 1/2	2.75	4.63	2.82	5.80	BELS075069PKG	2	3/8

### Whistle Notch Adapters



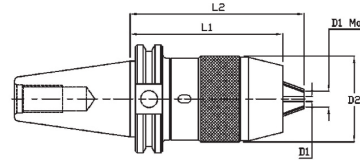
- Balance by design ,Through the tool holder coolant capability
- Order Example - CV40BWN06M244
- Dynamically balanced to G6.3 @ 15,000 rpm , & G2.5 at 20,000 rpm . available on request
- Order Example - CV40BWN06M244G2.5

### Whistle Notch Adapters - Metric

Catalogue No	D1	D2	L1	L2	V	Wt. Kg	Clamp Screw	Allen Key	Stop Screw	Hex
CV40BWN06M244	6	25	62	30	10	1.10	BSS03M012	3 mm	B.571.060	2.5 mm
CV40BWN06M600	6	25	152	30	10	1.43	BSS03M012	3 mm	B.571.060	2.5 mm
CV40BWN08M244	8	28	62	30	10	1.10	BSS03M014	4 mm	B.571.067	3.0 mm
CV40BWN08M600	8	28	152	30	10	1.54	BSS03M014	4 mm	B.571.067	3.0 mm
CV40BWN10M244	10	35	62	35	10	1.14	BSS03M018	5 mm	B.571.068	4.0 mm
CV40BWN10M600	10	35	152	35	10	1.87	BSS03M018	5 mm	B.571.068	4.0 mm
CV40BWN12M260	12	42	66	40	10	1.23	BSS03M023	6 mm	B.571.074	5.0 mm
CV40BWN12M600	12	42	152	40	10	2.08	BSS03M023	6 mm	B.571.074	5.0 mm
CV40BWN14M260	14	44	66	40	10	1.25	BSS03M023	6 mm	B.571.074	5.0 mm
CV40BWN14M600	14	44	152	40	10	2.19	BSS03M023	6 mm	B.571.074	5.0 mm
CV40BWN16M275	16	48	70	43	10	1.35	BSS03M025	6 mm	B.571.075	6.0 mm
CV40BWN16M600	16	48	152	43	10	2.29	BSS03M025	6 mm	B.571.075	6.0 mm
CV40BWN18M275	18	50	70	43	10	1.37	BSS03M025	6 mm	B.571.075	6.0 mm
CV40BWN18M600	18	50	152	43	10	2.31	BSS03M025	6 mm	B.571.075	6.0 mm
CV40BWN20M275	20	52	70	45	10	1.38	BSS03M026	8 mm	B.571.076	6.0 mm
CV40BWN20M600	20	52	152	45	10	2.27	BSS03M026	8 mm	B.571.076	6.0 mm
CV40BWN25M375	25	65	95	50	10	2.17	BSS03M027	10 mm	B.571.076	6.0 mm
CV40BWN25M600	25	65	152	50	10	2.87	BSS03M027	10 mm	B.571.076	6.0 mm
CV40BWN32M388	32	72	99	54	10	2.45	BSS03M029	10 mm	B.571.076	6.0 mm
CV40BWN32M600	32	72	152	54	10	3.16	BSS03M029	10 mm	B.571.076	6.0 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw & Stop Screw.
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Drill Chucks



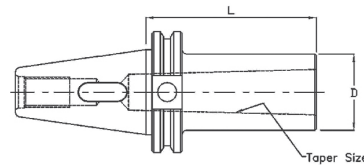
- Balance by-design, No through coolant capability.
- Order Example - CV40DC13M421

### MT - CV Form-A

Catalogue No	D1Min.-Max	D2	L1	L2	Wt.Lbs	Wrench
CV40DC13M421	0.39 – 0.512	1.89	4.04	4.50	3.84	13S.

- **Scope of Supply** : Basic Tool Holder & Wrench
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

### Morse Taper Adapters

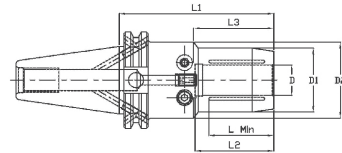


- Balance by-design, No through coolant capability
- Recommended for tools with a morse taper and tang
- Order Example - CV40MT1175

Catalogue No	Taper Size	D	L	Wt.Lbs
CV40MT1175	1	0.980	1.750	2.21
CV40MT2244	2	1.260	2.440	2.30
CV40MT3300	3	1.570	3.000	2.49
CV40MT4388	4	1.890	3.880	2.86

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Hydraulic Chucks



- Pre Balanced G2.5 @ 20,000 rpm,
- Through tool holder coolant capability
- Pressurizing media Patented Silicon Jelly
- Order Example - CV40B-SHYD06-075M

### Hydraulic Chucks - (Jelly Filled) Metric Form B/AD

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. Kg
CV40BSHYD06075MO	6	26	50	75	38	24	23	SHYDC-0M10	CSS-0510M	1.25
CV40BSHYD06150MO	6	26	50	150	38	24	23	SHYDC-0M10	CSS-0510M	1.49
CV40BSHYD08075MO	8	28	50	75	38	24	24	SHYDC-0M10	CSS-0510M	1.27
CV40BSHYD08150MO	8	28	50	150	38	24	24	SHYDC-0M10	CSS-0510M	1.55
CV40BSHYD10075MO	10	30	50	75	40	26	30	SHYDC-0M10	CSS-0612M	1.32
CV40BSHYD10150MO	10	30	50	150	40	26	30	SHYDC-0M10	CSS-0612M	1.62
CV40BSHYD12080MO	12	32	50	80	45	40	36	SHYDC-0M10	CSS-0615M	1.32
CV40BSHYD12150MO	12	32	50	150	45	40	36	SHYDC-0M10	CSS-0615M	1.67
CV40BSHYD14080MO	14	34	50	80	45	40	40	SHYDC-0M10	CSS-0812M	1.47
CV40BSHYD14150MO	14	34	50	150	45	40	40	SHYDC-0M10	CSS-0812M	1.77
CV40BSHYD16085MO	16	38	50	85	50	46	40	SHYDC-0M10	CSS-0812M	1.54
CV40BSHYD16150MO	16	38	50	150	50	46	40	SHYDC-0M10	CSS-0812M	1.95
CV40BSHYD18090MO	18	40	50	90	52	50	43	SHYDC-0M10	CSS-0815M	1.56
CV40BSHYD18150MO	18	40	50	150	52	50	43	SHYDC-0M10	CSS-0815M	2.02
CV40BSHYD20090MO	20	42	50	90	52	50	43	SHYDC-0M10	CSS-0815M	1.58
CV40BSHYD20150MO	20	42	50	150	52	50	43	SHYDC-0M10	CSS-0815M	2.10
CV40BSHYD25110MO	25	53		110	59		46	SHYDC-0720	CSS-1015M	2.15
CV40BSHYD32115MO	32	60		115	60		51	HYDC-1020	CSS-1015M	2.33

### Hydraulic Chucks - Inch Form B/AD

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. Kg
CV40BSHYD0253500	1/4"	26	50	3.50	38	24	23	SHYDC-0717	CSS-0510M	2.76
CV40BSHYD0256000	1/4"	26	50	6.00	38	24	23	SHYDC-0717	CSS-0510M	3.28
CV40BSHYD0383750	3/8	30	50	3.75	40	26	30	SHYDC-0717	CSS-0612M	2.91
CV40BSHYD0386000	3/8	30	50	6.00	40	26	30	SHYDC-0717	CSS-0612M	3.57
CV40BSHYD0503750	1/2"	32	50	3.75	45	40	36	SHYDC-0717	CSS-0615M	2.91
CV40BSHYD0506000	1/2"	32	50	6.00	45	40	36	SHYDC-0717	CSS-0615M	3.68
CV40BSHYD0624000	5/8	38	50	4.00	50	46	40	SHYDC-0717	CSS-0812M	3.40
CV40BSHYD0626000	5/8	38	50	6.00	50	46	40	SHYDC-0717	CSS-0812M	4.30
CV40BSHYD0754000	3/4"	42	50	4.00	52	50	43	SHYDC-0717	CSS-0815M	3.53
CV40BSHYD0756000	3/4"	42	50	6.00	52	50	43	SHYDC-0717	CSS-0815M	4.65
CV40BSHYD1004620	1.0	53		4.62	59		46	SHYDC-0720	CSS-1015M	4.76
CV40BSHYD1254620	1 1/4"	60		4.62	60		51	HYDC-1020	CSS-1015M	5.18

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)

**Cutting Tool Shank Requirements Metric (ISO Standard)**

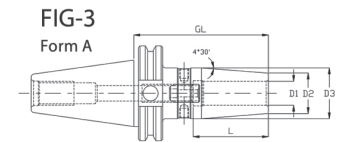
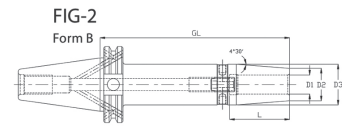
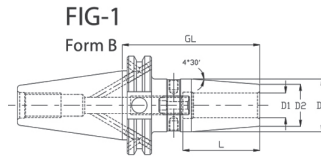
cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 &10	h6	0.000/ -0,009
12, 14, 16 &18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shrink Fit Adapters**



- Pre Balanced G2.5 @ 20,000 rpm,
- Through the tool holder coolant capability
- Order Example - CV40BSF06M350

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
CV40BSF06M350	1	6	20	27	89	36	1.14	BTTSS05014M
CV40BSF06M600	2	6	20	27	152	36	1.44	BTTSS05014M
CV40BSF08M350	1	8	20	27	89	36	1.13	BTTSS06014M
CV40BSF08M600	2	8	20	27	152	36	1.43	BTTSS06014M
CV40BSF10M375	1	10	24	32	95	42	1.23	BTTSS08014M
CV40BSF10M600	2	10	24	32	152	42	1.61	BTTSS08014M
CV40BSF12M375	1	12	24	32	95	47	1.22	BTTSS10014M
CV40BSF12M600	2	12	24	32	152	47	1.59	BTTSS10014M
CV40BSF14M375	1	14	27	34	95	47	1.26	BTTSS10014M
CV40BSF14M600	2	14	27	34	152	47	1.69	BTTSS10014M
CV40BSF16M375	1	16	27	34	95	50	1.23	BTTSS12014M
CV40BSF16M600	2	16	27	34	152	50	1.66	BTTSS12014M
CV40BSF18M400	1	18	34	44	102	50	1.47	BTTSS12014M
CV40BSF18M600	2	18	33	42	152	50	2.04	BTTSS12014M
CV40BSF20M400	1	20	34	44	102	52	1.43	BTTSS16014M
CV40BSF20M600	2	20	33	42	152	52	2.01	BTTSS16014M
CV40BSF25M400	1	25	44	53	102	58	1.69	BTTSS16014M
CV40BSF25M600	2	25	44	53	152	58	2.56	BTTSS16014M
CV40BSF32M400	1	32	44	53	102	62	1.55	BTTSS16014M
CV40BSF32M600	1	32	44	53	152	62	2.41	BTTSS16014M

**SF - CV FORM AD**

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw
CV40SF06M350	3	6	20	27	89	36	1.14	BTTSS05014M
CV40SF08M350	3	8	20	27	89	36	1.13	BTTSS06014M
CV40SF10M375	3	10	24	32	95	42	1.23	BTTSS08014M
CV40SF12M375	3	12	24	32	95	47	1.22	BTTSS10014M
CV40SF14M375	3	14	27	34	95	47	1.26	BTTSS10014M
CV40SF16M375	3	16	27	34	95	50	1.23	BTTSS12014M
CV40SF18M400	3	18	34	44	102	50	1.47	BTTSS12014M
CV40SF20M400	3	20	34	44	102	52	1.43	BTTSS16014M
CV40SF25M400	3	25	44	53	102	58	1.69	BTTSS16014M
CV40SF32M400	3	32	44	53	102	62	1.55	BTTSS16014M



- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Shrink Fit adapter technical details refer (Page No.277 to 283)

**Cutting Tool Shank Requirements Metric (ISO Standard)**

cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 &10	h6	0.000/ -0,009
12, 14, 16 &18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance	
1/4, 5/16, 3/8	0.001/ -0,004	
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004	
3/4	0.000/ -0,005	

- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shrink Fit Adapters - Inch.**

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
CV40BSF025350	1	1/4	0.83	1.06	3.50	1.41	2.51	BTTSS05014M
CV40BSF025600	2	1/4	0.83	1.06	6.00	1.41	3.18	BTTSS05014M
CV40BSF031350	1	5/16	0.83	1.06	3.50	1.41	2.49	BTTSS06014M
CV40BSF031600	2	5/16	0.79	1.06	6.00	1.41	3.18	BTTSS06014M
CV40BSF038375	1	3/8	0.94	1.26	3.75	1.81	2.71	BTTSS08014M
CV40BSF038600	2	3/8	0.94	1.26	6.00	1.81	3.55	BTTSS08014M
CV40BSF044375	1	7/16	0.94	1.26	3.75	1.81	2.69	BTTSS10014M
CV40BSF044600	2	7/16	0.94	1.26	6.00	1.81	3.53	BTTSS10014M
CV40BSF050375	1	1/2	0.94	1.26	3.75	1.81	2.67	BTTSS10014M
CV40BSF050600	2	1/2	0.94	1.26	6.00	1.81	3.51	BTTSS10014M
CV40BSF056375	1	9/16	1.06	1.34	3.75	1.81	2.78	BTTSS10014M
CV40BSF056600	2	9/16	1.06	1.34	6.00	1.81	3.73	BTTSS10014M
CV40BSF062375	1	5/8	1.06	1.34	3.75	1.93	2.73	BTTSS12014M
CV40BSF062600	2	5/8	1.06	1.34	6.00	1.93	3.66	BTTSS12014M
CV40BSF068400	1	11/16	1.34	1.75	4.00	1.93	3.26	BTTSS12014M
CV40BSF068600	2	11/16	1.30	1.65	6.00	1.93	4.52	BTTSS12014M
CV40BSF075400	1	3/4	1.34	1.75	4.00	2.00	3.22	BTTSS16014M
CV40BSF075600	2	3/4	1.30	1.65	6.00	2.00	4.45	BTTSS16014M
CV40BSF088400	1	7/8	1.34	1.75	4.00	2.00	3.09	BTTSS16014M
CV40BSF088600	2	7/8	1.30	1.65	6.00	2.00	4.37	BTTSS16014M
CV40BSF100400	1	1.00	1.73	2.08	4.00	2.24	3.73	BTTSS16014M
CV40BSF100600	2	1.00	1.73	2.08	6.00	2.24	5.62	BTTSS16014M
CV40BSF125400	1	1 1/4	1.73	2.08	4.00	2.24	3.42	BTTSS16014M
CV40BSF125600	2	1 1/4	1.73	2.08	6.00	2.24	5.34	BTTSS16014M

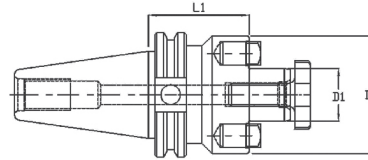
**SF - CV FORM AD**

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
CV40SF025350	3	1/4	0.79	1.06	3.50	1.41	2.51	BTTSS05014M
CV40SF025600	3	1/4	0.79	1.06	6.00	1.41	3.18	BTTSS05014M
CV40SF031350	3	5/16	0.79	1.06	3.50	1.41	2.49	BTTSS06014M
CV40SF031600	3	5/16	0.79	1.06	6.00	1.41	3.18	BTTSS06014M
CV40SF038375	3	3/8	0.94	1.26	3.75	1.61	2.71	BTTSS08014M
CV40SF038600	3	3/8	0.94	1.26	6.00	1.61	3.55	BTTSS08014M
CV40SF044375	3	7/16	0.94	1.26	3.75	1.81	2.69	BTTSS10014M
CV40SF044600	3	7/16	0.94	1.26	6.00	1.81	3.53	BTTSS10014M
CV40SF050375	3	1/2	0.94	1.26	3.75	1.81	2.67	BTTSS10014M
CV40SF050600	3	1/2	0.94	1.26	6.00	1.81	3.51	BTTSS10014M
CV40SF056375	3	9/16	1.06	1.34	3.75	1.81	2.78	BTTSS10014M
CV40SF056600	3	9/16	1.06	1.34	6.00	1.81	3.73	BTTSS10014M
CV40SF062375	3	5/8	1.06	1.34	3.75	1.93	2.73	BTTSS12014M
CV40SF062600	3	5/8	1.06	1.34	6.00	1.93	3.66	BTTSS12014M
CV40SF068400	3	11/16	1.34	1.75	4.00	1.93	3.26	BTTSS12014M
CV40SF068600	3	11/16	1.34	1.75	6.00	1.93	4.52	BTTSS12014M
CV40SF075400	3	3/4	1.34	1.75	4.00	2.00	3.22	BTTSS16014M

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
CV40SF075600	3	3/4	1.30	1.65	6.00	2.00	4.45	BTTSS16014M
CV40SF088400	3	7/8	1.34	1.75	4.00	2.00	3.09	BTTSS16014M
CV40SF088600	3	7/8	1.30	1.65	6.00	2.00	4.37	BTTSS16014M
CV40SF100400	3	1.00	1.73	2.08	4.00	2.28	3.73	BTTSS16014M
CV40SF100600	3	1.00	1.73	2.08	6.00	2.28	5.62	BTTSS16014M
CV40SF125400	3	1 1/4	1.73	2.08	4.00	2.28	3.42	BTTSS16014M
CV40SF125600	3	1 1/4	1.73	2.08	6.00	2.28	5.34	BTTSS16014M

- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shell Mill Adapters**



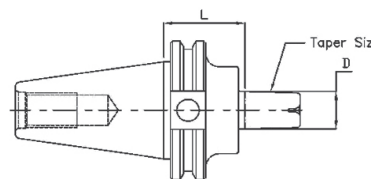
- Balanced by Design, Through the tool holder coolant capability
- Order Example - CV40SM050138

**Shell Mill Adapters - Inch**

Catalogue No	D1	D2	L	Wt Lbs	Lock Screw	Allen Key	Drive Key
CV40SM050138	1/2	1.75	1.38	2.27	BKLS05	3/16	BKDK04
CV40SM050350	1/2	1.44	3.50	3.12	BKLS05	3/16	BKDK04
CV40SM075138	3/4	1.75	1.38	2.21	BKLS07	1/4	BKDK05
CV40SM075350	3/4	1.75	3.50	3.80	BKLS07	1/4	BKDK05
CV40SM075600	3/4	1.75	6.00	5.40	BKLS07	1/4	BKDK05
CV40ZSM100100	1	2.19	1.00	2.80	BKLS10	5/16	BKDK06
CV40SM100206	1	2.19	2.06	3.10	BKLS10	5/16	BKDK06
CV40SM100400	1	2.19	4.00	4.30	BKLS10	5/16	BKDK06
CV40SM100600	1	2.19	6.00	5.90	BKLS10	5/16	BKDK06
CV40SM125212	1 1/4	2.75	2.12	4.00	BKLS12	5/16	BKDK08
CV40SM125400	1 1/4	2.75	4.00	5.00	BKLS12	5/16	BKDK08
CV40SM150241	1 1/2	3.38	2.41	5.01	BKLS15	3/8	BKDK10
CV40SM150400	1 1/2	3.38	4.00	6.15	BKLS15	3/8	BKDK10

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)

**Jacobs Taper Adapters**

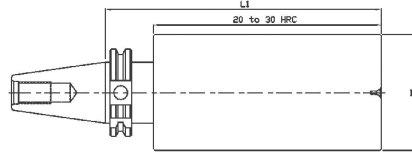


- Balance by-design, No through-coolant capability.
- Recommended for tools with a Jacobs internal taper.
- Order Example - CV40JT2244

Catalogue No	Taper Size	D	L	Wt.Lbs
CV40JT2244	2	0.560	2.440	2.33
CV40JT3278	3	0.812	2.780	2.45
CV40JT33256	33	0.625	2.560	2.32

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

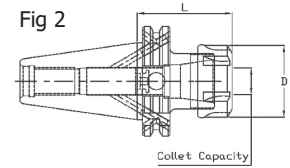
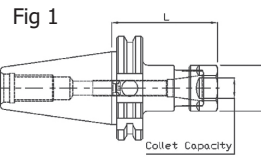
### Boring Bar Blank



- Balance By Design, Machinable front end 20-30 HRC, 5/8"- 11 UNC Draw Bar Thread.
- Order Example - CV40BB400120

Catalogue No	Taper Size	D	L
CV40BB400120	4.00"	12,00"	39.89
CV40BB400600	4,00"	6,00"	18.55

**ER Collet Chucks**

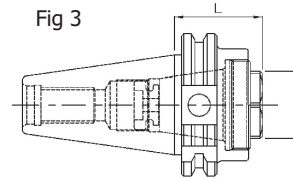


- Balanced by Design, Through the tool holder coolant capability
  - Order Example - DV40ER16070M
  - Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm. available on request
  - Order Example - DV40ER16070M-G2.5
- Flange through coolant Form B/AD Available  
Order Example - DV40BER16070M

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
DV40ER16070M	16ER	0.5 - 10	1	28	70	1.3	LNHER16M	OEW25M	BSS044038G
DV40ER16120M	16ER	0.5 - 10	1	28	120	1.6	LNHER16M	OEW25M	BSS044038G
DV40ER16160M	16ER	0.5 - 10	1	28	160	1.9	LNHER16M	OEW25M	BSS044038G
DV40ER20070M	20ER	0.5 - 13	1	34	70	1.3	LNHER20M	OEW30M	BSS056041G
DV40ER20100M	20ER	0.5 - 13	1	34	100	1.4	LNHER20M	OEW30M	BSS056041G
DV40ER20160M	20ER	0.5 - 13	1	34	160	1.8	LNHER20M	OEW30M	BSS056041G
DV40ER25065M	25ER	1 - 16	2	42	65	1.2	LNER25M	ER25WM	BSS075041G
DV40ER25120M	25ER	1 - 16	2	42	120	1.5	LNER25M	ER25WM	BSS075041G
DV40ER25160M	25ER	1 - 16	2	42	160	1.7	LNER25M	ER25WM	BSS075041G
DV40ER32070M	32ER	2 - 20	2	50	70	1.3	LNER32M	ER32WM	BSS094041G
DV40ER32120M	32ER	2 - 20	2	50	120	1.6	LNER32M	ER32WM	BSS094041G
DV40ER32160M	32ER	2 - 20	2	50	160	1.8	LNER32M	ER32WM	BSS094041G
DV40ER40080M	40ER	3 - 26	2	63	80	1.4	LNER40M	ER40WM	BSS112041G
DV40ER40100M	40ER	3 - 26	2	63	100	1.5	LNER40M	ER40WM	BSS112041G
DV40ER40120M	40ER	3 - 26	2	63	120	1.7	LNER40M	ER40WM	BSS112041G
DV40ER40160M	40ER	3 - 26	2	63	160	1.9	LNER40M	ER40WM	BSS112041G
DV40BER11050M	11ER	0.5 - 7	1	16	50	1.3	LNER11M	ER11WBEM	BCSS0615M
DV40BER11120M	11ER	0.5 - 7	1	16	120	1.4	LNER11M	ER11WBEM	BCSS0615M
DV40BER11160M	11ER	0.5 - 7	1	16	160	1.5	LNER11M	ER11WBEM	BCSS0615M
DV40BER16070M	16ER	0.5 - 10	1	28	70	1.3	LNHER16M	OEW25M	BSS044038G
DV40BER16100M	16ER	0.5 - 10	1	28	70	1.5	LNHER16M	OEW25M	BSS044038G
DV40BER16120M	16ER	0.5 - 10	1	28	120	1.6	LNHER16M	OEW25M	BSS044038G
DV40BER16160M	16ER	0.5 - 10	1	28	160	1.6	LNHER16M	OEW25M	BSS044038G
DV40BER20070M	20ER	0.5-13	2	34	70	1.3	LNHER20M	OEW30M	BSS056041G
DV40BER20070M	20ER	0.5-13	2	34	100	1.4	LNHER20M	OEW30M	BSS056041G
DV40BER20070M	20ER	0.5-13	2	34	160	1.8	LNHER20M	OEW30M	BSS056041G
DV40BER25065M	25ER	1 - 16	2	42	65	1.2	LNER25M	ER25WM	BSS075041G
DV40BER25120M	25ER	1 - 16	2	42	120	1.5	LNER25M	ER25WM	BSS075041G
DV40BER25160M	25ER	1 - 16	2	42	160	1.8	LNER25M	ER25WM	BSS075041G
DV40BER32070M	32ER	2 - 20	2	50	70	1.3	LNER32M	ER32WM	BSS094041G
DV40BER32120M	32ER	2 - 20	2	50	120	1.6	LNER32M	ER32WM	BSS094041G
DV40BER32160M	32ER	2 - 20	2	50	160	1.85	LNER32M	ER32WM	BSS094041G
DV40BER40080M	40ER	3 - 26	2	63	80	1.4	LNER40M	ER40WM	BSS112041G
DV40BER40120M	40ER	3 - 26	2	63	120	1.7	LNER40M	ER40WM	BSS112041G
DV40BER40160M	40ER	3 - 26	2	63	160	1.9	LNER40M	ER40WM	BSS112041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

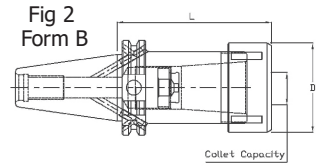
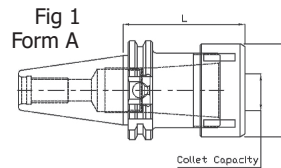
**ER Short - DV Form AD**



Catalogue No	Collet Series	Collet Cap Min.-Max.	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
DV40SER32035M	32ER	2 - 20	36	35	0.75	LNECER32M	OEW32M	BSS094041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**TG Collet Chucks**



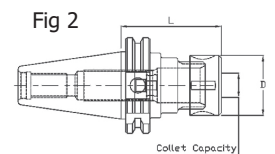
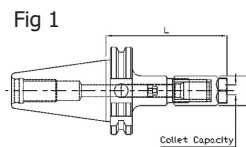
- Tremendous grip, Balanced by Design,
- Through tool holder coolant capability
- Order Example - DV40TG07570M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example - DV40TG075070M-G2.5

Flange through coolant Form B/  
AD Available Order Example -  
DV40BTG07570M

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
DV40TG075070M	75TG	2.6 - 20	1	50	70	1.1	LNA075M	HSW45M	BSS081041G
DV40TG100080M	100TG	2.6 - 25.5	1	60	80	1.3	LNA100M	HSW58M	BSS112041G
DV40TG100100M	100TG	2.6 - 25.5	1	60	100	1.5	LNA100M	HSW58M	BSS112041G
DV40TG100150M	100TG	2.6 - 25.5	1	60	150	1.8	LNA100M	HSW58M	BSS112041G
DV40TG150125M	150TG	11.6 - 40	1	85	125	2.6	LNA150M	HSW80M	BSS112041G
DV40BTG100080M	100TG	2.6 - 25.5	2	60	80	1.37	LNA100M	HSW58M	BSS081041G
DV40BTG100150M	100TG	2.6 - 25.5	2	60	150	1.99	LNA100M	HSW58M	BSS112041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately TG Collets (Page No.234-244), Wrench & Pull Stud (Page No. 252-253)

**DA Collet Chucks**



- Balanced by Design, Through tool holder coolant capability
- G2.5 at 20,000 rpm. available on request
- Order Example - DV40DA2041 00M-G2.5

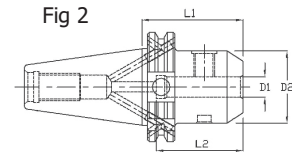
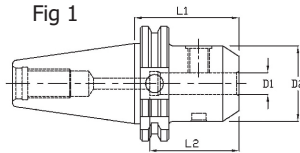
Flange through coolant Form B/AD  
Available

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
DV40DA204100M	200DA	0.2 -10	1	21	100	1.1	LNA204M	OEW19M	BSS038031G
DV40DA204150M	200DA	0.2 -10	1	21	150	1.1	LNA204M	OEW19M	BSS038031G
DV40DA208070M	200DA	0.2 -10	1	28	70	1	LNA208M	OEW24M	BSS038031 G
DV40DA108070M	100DA	1.8 - 14	1	37	70	1	LNA108M	OEW32M	BSS056041G
DV40DA188070M	180DA	2.2 - 20	2	43	70	1.2	LNA188M	HSW45M	BSS081041G
DV40DA188100M	180DA	2.2 - 20	2	43	100	1.4	LNA188M	HSW45M	BSS081041G
DV40DA188150M	180DA	2.2 - 20	2	43	150	1.8	LNA188M	HSW45M	BSS081041G
DV40BDA188070M	180DA	2.2 - 20	2	43	70	1.2	LNA188M	HSW45M	BSS081041G
DV40BDA188100M	180DA	2.2 - 20	2	43	100	1.4	LNA188M	HSW45M	BSS081041G



- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately DA Collets (Page No.245-246), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**End Mill Adapters**



- Balanced by Design , Through tool holder coolant capability
- Order Example - DV40EM06050M
- Dynamically balanced to G6.3 @ 15,000 rpm , G2.5 at 20,000 rpm . available on request
- Order Example - DV40EM06050M-G2.5

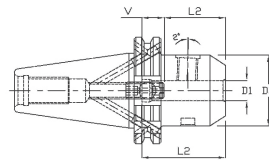
Flange through coolant Form B/AD  
Available Order Example - DV40BE-M06050M

**End Mill Adapters - Metric**

Catalogue No	FIG	D1	D2	L1	L2	Wt. Kg.	Clamping Screw	No of clamp Screw	Wrench Allen Key
DV40EM06050M	1	6	25	50	40	0.9	BSS03M012	1	3mm
DV40EM08050M	1	8	28	50	40	0.9	BSS03M014	1	4 mm
DV40EM10050M	1	10	35	50	45	1.17	BSS03M018	1	5 mm
DV40EM12050M	1	12	42	50	50	1.26	BSS03M023	1	6 mm
DV40EM14050M	1	14	44	50	50	1.06	BSS03M023	1	6 mm
DV40EM16063M	1	16	48	63	53	1.34	BSS03M025	1	6 mm
DV40EM18063M	1	18	50	63	53	1.27	BSS03M025	1	6 mm
DV40EM20063M	1	20	50	63	55	1.4	BSS03M026	1	8 mm
DV40EM25100M	1	25	65	100	60	2.22	BSS03M027	2	10 mm
DV40EM32100M	1	32	72	100	65	2.5	BSS03M029	2	10 mm
DV40BEM06050M	2	6	25	50	40	0.9	BSS03M012	1	3mm
DV40BEM08050M	2	8	28	50	40	0.9	BSS03M014	1	4 mm
DV40BEM10050M	2	10	35	50	45	1	BSS03M018	1	5 mm
DV40BEM12050M	2	12	42	50	50	1.2	BSS03M023	1	6 mm
DV40BEM14050M	2	14	44	50	50	1.16	BSS03M023	1	6 mm
DV40BEM16063M	2	16	48	63	53	1.34	BSS03M025	1	6 mm
DV40BEM18063M	2	18	50	63	53	1.27	BSS03M025	1	6 mm
DV40BEM20063M	2	20	50	63	55	1.4	BSS03M026	1	8 mm
DV40BEM25100M	2	25	65	100	60	2.28	BSS03M027	2	10 mm
DV40BEM32100M	2	32	72	100	65	2.5	BSS03M029	2	10 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.  
All details are subject to change without notice

### Whistle Notch Adapters



- Balance by Design, Through tool holder coolant capability
- Order Example - DV40BWN06050M
- Dynamically balanced to G6.3 @ 15,000 rpm , & G2.5 at 20,000 rpm , available on request
- Order Example - DV40BWN06050M G2.5

### Whistle Notch Adapters - Metric

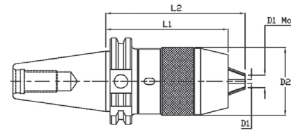
Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
DV40BWN06050M	6	25	50	30	10	0.9	BSS03M012	3 mm	B.571.060	2.5 mm
DV40BWN08050M	8	28	50	30	10	0.9	BSS03M014	4 mm	B.571.067	3.0 mm
DV40BWN10050M	10	35	50	35	10	0.9	BSS03M018	5 mm	B.571.068	4.0 mm
DV40BWN12050M	12	42	50	40	10	1.1	BSS03M023	6 mm	B.571.074	5.0 mm
DV40BWN14050M	14	44	50	40	10	1.3	BSS03M023	6 mm	B.571.074	5.0 mm
DV40BWN16063M	16	48	63	43	10	1.3	BSS03M025	6 mm	B.571.075	6.0 mm
DV40BWN18063M	18	50	63	43	10	1.3	BSS03M025	6 mm	B.571.075	6.0 mm
DV40BWN20063M	20	52	63	45	10	1.3	BSS03M026	8 mm	B.571.076	6.0 mm
DV40BWN25100M	25	65	100	50	10	2.4	BSS03M027	10 mm	B.571.076	6.0 mm
DV40BWN32100M	32	72	100	54	10	2.5	BSS03M029	10 mm	B.571.076	6.0 mm

### Short Whistle Notch Adapters- Metric

Catalogue No	D1	D2	L1	L2	V	Wt.	Clamp	Allen	Stop Screw	Hex
DV40BSWN25075M	25	65	75	60	12	2	BSS03M027	10 mm	B.571.066	10 mm
DV40BSWN32075M	32	72	75	64	12	2.10	BSS03M029	10 mm	B.571.066	10 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw & Stop Screw.
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Drill Chucks

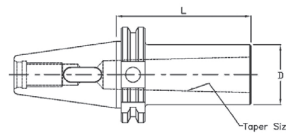


- Balance by-design, No through coolant capability, Form-AD
- Order Example - DV40DC13096M

Catalogue No	D1Min.-Max	D2	L1	L2	Wt.kg	Wrench
DV40DC13096M	1.0 - 13.0	50.5	84.5	97	1.6	13S

- **Scope of Supply** : Basic Tool Holder & Wrench
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

### Morse Taper Adapters

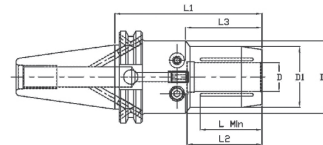


- Balance by-design, No through coolant capability, Form-AD
- Recommended for tools with a morse taper and tang
- Order Example - DV40MT1050M

Catalogue No	Taper Size	D	L	W t.Kg
DV40MT1050M	1	25	50	1.49
DV40MT2050M	2	32	50	1.61
DV40MT3070M	3	40	70	1.92
DV40MT4095M	4	48	95	1.62

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Hydraulic Energia Series Short Gauge Length 65mm**



- Pre Balanced G2.5 @ 20,000 rpm,
- Through tool holder coolant capability
- Pressurising media hydraulic OIL
- Order Example - DV40BSHYD12065MO

**Hydraulic Chucks - (OIL Filled)Metric Form - AD+B**

Catalogue No	D	D1	D2	L1	L2	L3	LMin.	Pressure Screw	Stop Screw	Wt.kg
DV40BSHYD12065MO	12	30	42	65	45	40	32	SHYDC-0M10	CSS-0615M	1.2
DV40BSHYD16065MO	16	35	49	65	50	46	38	SHYDC-0M10	CSS-0812M	1.2
DV40BSHYD20065MO	20	35	49	65	50	50	38	SHYDC-0M10	CSS-0815M	1.4

**Cutting Tool Shank Requirements Metric (ISO Standard)**

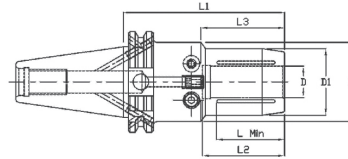
cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Hydraulic Chucks**



- Pre Balanced G2.5 @ 20,000 rpm,
- Through tool holder coolant capability
- Pressurizing media Patented Silicon Jelly
- Order Example - DV40-SHYD06-075M

**Hydraulic Chucks - (Jelly Filled) Metric - Form AD**

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. kg
DV40-SHYD06-075MO	6	26	50	75	38	24	23	SHYDC-0717	CSS-0510M	2.1
DV40-SHYD06-150MO	6	26	50	150	38	24	23	SHYDC-0717	CSS-0510M	2.4
DV40-SHYD08-075MO	8	28	50	75	38	24	24	SHYDC-0717	CSS-0510M	2.1
DV40-SHYD08-150MO	8	28	50	150	38	24	24	SHYDC-0717	CSS-0510M	2.4
DV40-SHYD10-075MO	10	30	50	75	40	26	30	SHYDC-0717	CSS-0612M	2.1
DV40-SHYD10-150MO	10	30	50	150	40	26	30	SHYDC-0717	CSS-0612M	2.43
DV40-SHYD12-080MO	12	32	50	80	45	40	36	SHYDC-0717	CSS-0615M	2.1
DV40-SHYD12-150MO	12	32	50	150	45	40	36	SHYDC-0717	CSS-0615M	2.43
DV40-SHYD14-080MO	14	34	50	80	45	40	40	SHYDC-0717	CSS-0812M	2.65
DV40-SHYD14-150MO	14	34	50	150	45	40	40	SHYDC-0717	CSS-0812M	2.83
DV40-SHYD16-085MO	16	38	50	85	50	46	40	SHYDC-0717	CSS-0812M	2.65
DV40-SHYD16-150MO	16	38	50	150	50	46	40	SHYDC-0717	CSS-0812M	2.83
DV40-SHYD18-090MO	18	40	50	90	52	50	43	SHYDC-0717	CSS-0815M	2.65
DV40-SHYD18-150MO	18	40	50	150	52	50	43	SHYDC-0717	CSS-0815M	2.83
DV40-SHYD20-090MO	20	42	50	90	52	50	43	SHYDC-0717	CSS-0815M	2.7
DV40-SHYD20-150MO	20	42	50	150	52	50	43	SHYDC-0717	CSS-0815M	2.87
DV40-SHYD25-110MO	25	53		110	59		46	SHYDC-0720	CSS-1015M	2.8
DV40-SHYD32-115MO	32	60		115	60		51	HYDC-1020	CSS-1015M	2.83

**Cutting Tool Shank Requirements Metric (ISO Standard)**

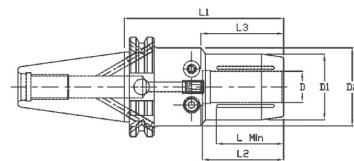
cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)

### Hydraulic Chucks



- Pre Balanced G2.5 @ 20,000 rpm,
- Through tool holder coolant capability
- Pressurizing media Patented Silicon Jelly
- Order Example - DV40B-SHYD06-075M

### Hydraulic Chucks - (Jelly Filled) Metric - Form B/AD

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. kg
DV40B-SHYD06-075MO	6	26	50	75	38	24	23	SHYDC-0717	CSS-0510M	2.1
DV40B-SHYD06-150MO	6	26	50	150	38	24	23	SHYDC-0717	CSS-0510M	2.4
DV40B-SHYD08-075MO	8	28	50	75	38	24	24	SHYDC-0717	CSS-0510M	2.1
DV40B-SHYD08-150MO	8	28	50	150	38	24	24	SHYDC-0717	CSS-0510M	2.4
DV40B-SHYD10-075MO	10	30	50	75	40	26	30	SHYDC-0717	CSS-0612M	2.1
DV40B-SHYD10-150MO	10	30	50	150	40	26	30	SHYDC-0717	CSS-0612M	2.43
DV40B-SHYD12-080MO	12	32	50	80	45	40	36	SHYDC-0717	CSS-0615M	2.1
DV40B-SHYD12-150MO	12	32	50	150	45	40	36	SHYDC-0717	CSS-0615M	2.43
DV40B-SHYD14-080MO	14	34	50	80	45	40	40	SHYDC-0717	CSS-0812M	2.65
DV40B-SHYD14-150MO	14	34	50	150	45	40	40	SHYDC-0717	CSS-0812M	2.83
DV40B-SHYD16-085MO	16	38	50	85	50	46	40	SHYDC-0717	CSS-0812M	2.65
DV40B-SHYD16-150MO	16	38	50	150	50	46	40	SHYDC-0717	CSS-0812M	2.83
DV40B-SHYD18-090MO	18	40	50	90	52	50	43	SHYDC-0717	CSS-0815M	2.65
DV40B-SHYD18-150MO	18	40	50	150	52	50	43	SHYDC-0717	CSS-0815M	2.83
DV40B-SHYD20-090MO	20	42	50	90	52	50	43	SHYDC-0717	CSS-0815M	2.7
DV40B-SHYD20-150MO	20	42	50	150	52	50	43	SHYDC-0717	CSS-0815M	2.87
DV40B-SHYD25-110MO	25	53		110	59		46	SHYDC-0720	CSS-1015M	2.8
DV40B-SHYD25-150MO	25	53		150	59		46	SHYDC-0720	CSS-1015M	2.98
DV40B-SHYD32-115MO	32	60		115	60		51	HYDC-1020	CSS-1015M	2.83
DV40B-SHYD32-150MO	32	60		150	60		51	HYDC-1020	CSS-1015M	3.05

**Cutting Tool Shank Requirements Metric (ISO Standard)**

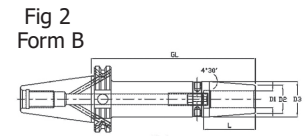
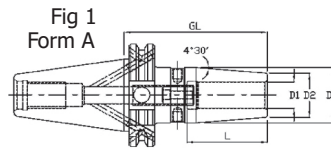
cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shrink Fit Adapters**



- Pre Balanced G2.5 @ 20,000 rpm,
- Through the tool holder coolant capability
- Order Example - DV40BSF06080M

**Shrink Fit Adapters - Metric**

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
DV40BSF06080M	1	6	21	27	80	36	0.98	BTTSS05014M
DV40BSF06130M	2	6	21	27	130	36	1.25	BITSS05014M
DV40BSF06160M	2	6	21	27	160	36	1.55	BITSS05014M
DV40BSF08080M	1	8	21	27	80	36	0.99	BTTSS06014M
DV40BSF08130M	2	8	21	27	130	36	1.25	BTTSS06014M
DV40BSF08160M	2	8	21	27	160	36	1.55	BTTSS06014M
DV40BSF10080M	1	10	24	32	80	42	1.06	BTTSS08014M
DV40BSF10130M	2	10	24	32	130	42	1.35	BTTSS08014M
DV40BSF10160M	2	10	24	32	160	42	1.65	BTTSS08014M
DV40BSF12080M	1	12	24	32	80	47	1.05	BTTSS10014M
DV40BSF12130M	2	12	24	32	130	47	1.35	BTTSS10014M
DV40BSF12160M	2	12	24	32	160	47	1.65	BTTSS10014M
DV40BSF14080M	1	14	27	34	80	47	1.09	BTTSS10014M
DV40BSF14130M	2	14	27	34	130	47	1.42	BTTSS10014M
DV40BSF14160M	2	14	27	34	160	47	1.72	BTTSS10014M
DV40BSF16080M	1	16	27	34	80	50	1.08	BTTSS12014M
DV40BSF16130M	2	16	27	34	130	50	1.42	BTTSS12014M
DV40BSF16160M	2	16	27	34	160	50	1.72	BTTSS12014M
DV40BSF18080M	1	18	33	42	80	50	1.22	BTTSS12014M
DV40BSF18130M	2	18	33	42	130	50	1.55	BTTSS12014M
DV40BSF18160M	2	18	33	42	160	50	1.95	BTTSS12014M
DV40BSF20080M	1	20	33	42	80	52	1.18	BTTSS16014M
DV40BSF20130M	2	20	33	42	130	52	1.48	BTTSS16014M
DV40BSF20160M	2	20	33	42	160	52	1.98	BTTSS16014M
DV40BSF25100M	1	25	44	53	100	58	1.7	BTTSS16014M
DV40BSF25130M	2	25	44	53	130	58	2.15	BTTSS16014M
DV40BSF25160M	2	25	44	53	160	58	2.55	BTTSS16014M
DV40BSF32100M	1	32	44	53	100	58	1.57	BTTSS16014M
DV40BSF32130M	2	32	44	53	130	58	2.15	BTTSS16014M
DV40BSF32160M	2	32	44	53	160	58	2.5	BTTSS16014M

- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Shrink Fit adapter technical details refer (Page No.277 to 283)
- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice



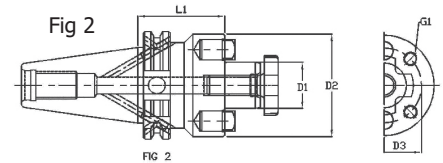
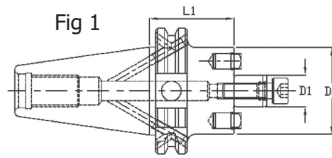
**Cutting Tool Shank Requirements Metric (ISO Standard)**

cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance	
1/4, 5/16, 3/8	0.001/ -0,004	
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004	
3/4	0.000/ -0,005	

**Shell Mill Adapters**



- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example - DV40SM16035M

**Shell Mill Adapters - Metric Form A**

Catalogue No	FIG	D1	D2	D3	L1	G1	Wt. Kg.	Lock Screw	Wrench	Drive Key
DV40SM16035M	1	16	44.5		35		1	BMS1294	6 mm	BKDK16M
DV40SM22035M	1	22	44.5		35		1.1	BMS1234	8 mm	BKDK22M
DV40SM22100M	1	22	50		100		1.4	BMS1234	8 mm	BKDK22M
DV40SM27035M	2	27	50		35		1.2	BKLS27M	BSMW27M	BKDK27M
DV40SM27100M	2	27	50		100		1.6	BKLS27M	BSMW27M	BKDK27M
DV40SM32050M	2	32	78		50		1.9	BKLS32M	BSMW32M	BKDK32M
DV40SM32100M	2	32	78		100		2.5	BKLS32M	BSMW32M	BKDK32M
DV40SM40050M	2	40	89	66.7	50	M12-1.756H	2.2	BKLS40M	BSMW40M	BKDK40M
DV40SM40100M	2	40	89	66.7	100	M12-1.756H	2.5	BKLS40M	BSMW40M	BKDK40M

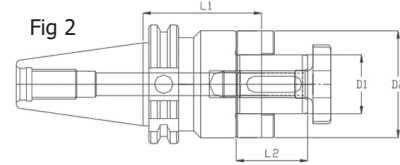
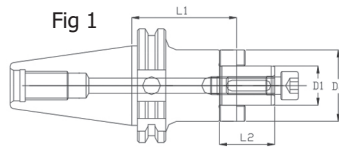
**Shell Mill Adapters - Metric Form B/AD**

- Flange through coolant Form B/AD available on request
- Order Example - DV40BSM22035M

Catalogue No	FIG	D1	D2	D3	L1	G1	Wt. Kg.	Lock Screw	Wrench	Drive Key
DV40BSM22035M	1	22	44		35		1.06	BMS1499	8 mm	BKDK22M
DV41BSM22100M	1	22	49		100		1.88	BMS1234	8 mm	BKDK22M
DV42BSM27035M	2	27	50		35		1.17	BKLS27M	BSMW27M	BKDK27M
DV43BSM27100M	2	27	60		100		2.52	BKLS27M	BSMW27M	BKDK27M
DV44BSM32050M	2	32	78		50		1.75	BKLS32M	BSMW32M	BKDK32M
DV45BSM32100M	2	32	78		100		2.72	BKLS32M	BSMW32M	BKDK32M
DV46BSM40050M	2	40	89	66.7	50	M12-1.756H	2.03	BKLS40M	BSMW40M	BKDK40M
DV47BSM40100M	2	40	89	66.7	100	M12-1.756H	3.28	BKLS40M	BSMW40M	BKDK40M

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Cambi Shell Mill Adapters**



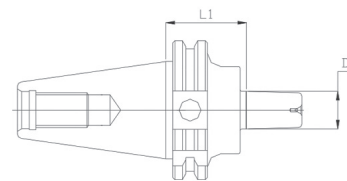
- Through the tool holder coolant capability
- Order Example - DV40CS16055M

**Cambi Shell Mill Adapters - Metric**

Catalogue No		FIG	D1	D2	L1	L2	Wt. Kg.	Lock Screw	Wrench	Drive Ring	Key
DV40CS16055M	DV40CS16055M	1	16	32	55	27	1.1	BMS1294	6 mm	BCDR16M	BCDK16M
DV40CS16100M	DV40CS16100M	1	16	32	100	27	1.3	BMS1294	6 mm	BCDR16M	BCDK16M
DV40CS22055M	DV40CS22055M	1	22	40	55	31	1.2	BMS1234	8 mm	BCDR22M	BCDK22M
DV40CS22100M	DV40CS22100M	1	22	40	100	31	1.5	BMS1234	8 mm	BCDR22M	BCDK22M
DV40CS27055M	DV40CS27055M	2	27	48	55	33	1.3	BKLS27M	BSMW27M	BCDR27M	BCDK27M
DV40CS27100M	DV40CS27100M	2	27	48	100	33	1.8	BKLS27M	BSMW27M	BCDR27M	BCDK27M
DV40CS27150M	DV40CS27150M	2	27	48	150	33	2.8	BKLS27M	BSMW27M	BCDR27M	BCDK27M
DV40CS32060M	DV40CS32060M	2	32	58	60	38	1.8	BKLS32M	BSMW32M	BCDR32M	BCDK32M
DV40CS32100M	DV40CS32100M	2	32	58	100	38	2.6	BKLS32M	BSMW32M	BCDR32M	BCDK32M
DV40CS40060M	DV40CS40060M	2	40	70	60	41	2.5	BKLS40M	BSMW40M	BCDR40M	BCDK40M

- **Scope of Supply** : Basic Tool Holder, Lock Screw, Drive Key & Drive Ring
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)

**Jacobs Taper Adapters**

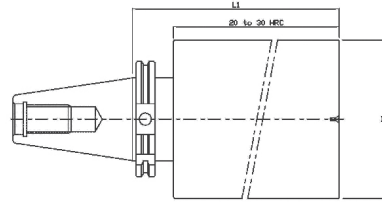
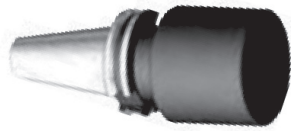


- Balance by-design, Recommended for tools with a Jacobs internal taper, No through-coolant capability.
- Order Example - DV40JT33045M

Catalogue No	Taper Size	D1	L1	Wt.Kg.
DV40JT33045M	33	15.88	45	1.32

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Boring Bar Blank**

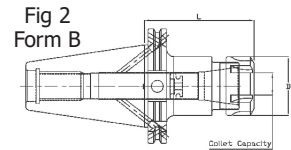
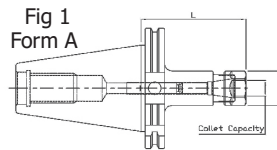


- Balance By Design, Machinable front end 20-30 HRC
- Order Example - DV40BB063280M

Catalogue No	Taper Size	D1	L1
DV40BB063280M	63	280	7
DV40BB082280M	82	280	11.15
DV40BB104200M	104	200	11.99

- **Scope of Supply** : Basic Tool Holder Boring Bar Blank
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**ER Collet Chucks**



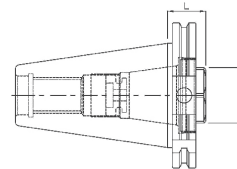
- Balanced by Design, Through tool holder coolant capability
- Order Example - DV50ER161 QOM
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm. available on request
- Order Example - DV50ER16100M-G2.5

Flange through coolant Form B/AD Available  
Order Example - DV50BER16100M

**ER Collet Chucks**

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
DV50ER16100M	16ER	0.5 -10	1	28	100	3	LNHER16M	OEW25M	BSS044038G
DV50ER16150M	16ER	0.5 -10	1	28	150	3.5	LNHER16M	OEW25M	BSS044038G
DV50ER25070M	25ER	1 - 16	2	42	70	3	LNER25M	ER25WM	BSS075041G
DV50ER25150M	25ER	1 - 16	2	42	150	3.5	LNER25M	ER25WM	BSS075041G
DV50ER32070M	32ER	2 - 20	2	50	70	3.2	LNER32M	ER32WM	BSS094041G
DV50ER32150M	32ER	2 - 20	2	50	150	3.7	LNER32M	ER32WM	BSS094041G
DV50ER40080M	40ER	3 - 26	2	63	80	3.5	LNER40M	ER40WM	BSS112041G
DV50ER40150M	40ER	3 - 26	2	63	150	4.5	LNER40M	ER40WM	BSS112041G
DV50BER16100M	16ER	0.5 -10	1	28	100	3	LNHER16M	OEW25M	BSS044038G
DV50BER16150M	16ER	0.5 -10	1	28	150	3.5	LNHER16M	OEW25M	BSS044038G
DV50BER25070M	25ER	1 - 16	2	42	70	3	LNER25M	ER25WM	BSS075041G
DV50BER25150M	25ER	1 - 16	2	42	150	3.5	LNER25M	ER25WM	BSS075041G
DV50BER32070M	32ER	2 - 20	2	50	70	3.2	LNER32M	ER32WM	BSS094041G
DV50BER32150M	32ER	2 - 20	2	50	150	3.7	LNER32M	ER32WM	BSS094041G
DV50BER40080M	40ER	3 - 26	2	63	80	3.5	LNER40M	ER40WM	BSS112041G
DV50BER40150M	40ER	3 - 26	2	63	150	4.5	LNER40M	ER40WM	BSS112041G

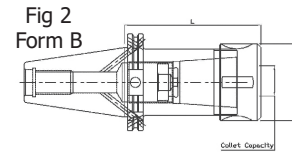
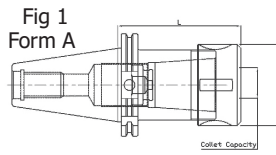
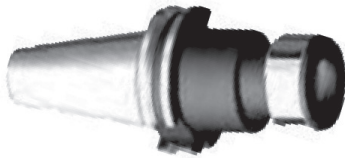
**ER Short - DV Form AD**



Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Loc knut	Wrench	Stop Screw
DV50SER32035M	32ER	1 - 20	3	20	35	1.7	LNECER32M	OEW32M	SS094041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**TG Collet Chucks**



- Balanced by Design, Through tool holder coolant capability
- Order Example - DV50TG100085M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm, available on request
- Order Example - DV50TG 100085M-G2.5

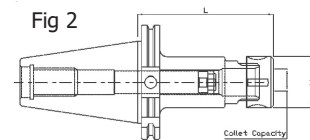
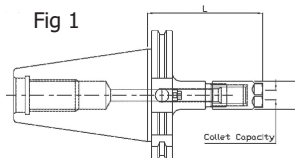
Flange through coolant Form B/AD Available  
Order Example -DV50BTG 100085M

**TG Collet Chucks**

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
DV50TG100085M	100TG	2.6 - 25.5	1	60	85	3.4	LNA100M	HSW58M	BSS112041G
DV50TG100150M	100TG	2.6 - 25.5	1	60	150	4.5	LNA100M	HSW58M	BSS112041G
DV50TG100200M	100TG	2.6 - 25.5	1	60	200	5.3	LNA100M	HSW58M	BSS112041G
DV50TG150090M	150TG	11.60 - 40	1	85	90	3.6	LNA150M	HSW80M	BSS162062G
DV50TG150150M	150TG	11.60 - 40	1	85	150	5	LNA150M	HSW80M	BSS162062G
DV50BTG100085M	100TG	2.6 - 25.5	2	60	85	3	LNA100M	HSW58M	BSS112041G
DV50BTG100150M	100TG	2.6 - 25.5	2	60	150	4.5	LNA100M	HSW58M	BSS112041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately TG Collets (Page No.234-244), Wrench & Pull Stud (Page No. 252-253)

**DA Collet Chucks**



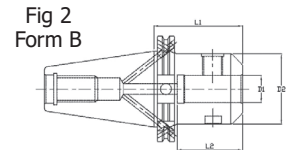
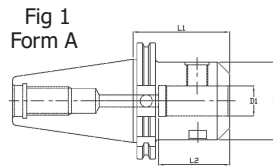
- Balanced by Design, Through tool holder coolant capability
- Order Example - DV50DA2041 QOM
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example - DV50DA2041 00M-G2.5

Flange through coolant Form B/AD Available  
Order Example - DV50BDA 188070M

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
DV50DA204100M	200DA	0.2 - 10	1	22	100	3	LNA204M	OEW19M	BSS038031G
DV50DA204150M	200DA	0.2 - 10	1	22	150	3.2	LNA204M	OEW19M	BSS038031G
DV50DA188070M	180DA	2.2 - 20	2	43	70	3	LNA188M	HSW45M	BSS081041G
DV50DA188150M	180DA	2.2 - 20	2	43	150	3.5	LNA188M	HSW45M	BSS081041G
DV50DA188200M	180DA	2.2 - 20	2	43	200	4	LNA188M	HSW45M	BSS081041G
DV50BDA188070M	180DA	2.2 - 20	2	43	70	3	LNA188M	HSW45M	BSS081041G
DV50BDA188150M	180DA	2.2 - 20	2	43	150	3.5	LNA188M	HSW45M	BSS081041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately DA Collets (Page No.245-246), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**End Mill Adapters**



- Balanced by Design , Through tool holder coolant capability
- Order Example - DV50EM06063M
- Dynamically balanced to G6.3 @ 15,000 rpm , & G2.5 at 20,000 rpm . available on request
- Order Example - DV50EM06063M-G2.5

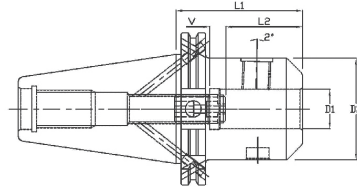
Flange through coolant Form B/AD Available Order Example - DV50BEM 16063M

**End Mill Adapters - Metric**

Catalogue No	FIG	D1	D2	L1	L2	Wt. Kg.	Clamping Screw	No of Clamp Screw	Wrench Allen Key
DV50EM06063M	1	6	25	63	40	2.7	BSS03M012	1	3mm
DV50EM06150M	1	6	25	150	40	2.9	BSS03M012	1	3mm
DV50EM08063M	1	8	28	63	40	2.7	BS503M014	1	4 mm
DV50EM08150M	1	8	28	150	40	2.9	BSS03M014	1	4 mm
DV50EM10063M	1	10	35	63	45	2.8	BSS03M018	1	5 mm
DV50EM10150M	1	10	35	150	45	3	BSS03M018	1	5 mm
DV50EM12063M	1	12	42	63	50	2.9	BSS03M023	1	6 mm
DV50EM12150M	1	12	42	150	50	3.1	BSS03M023	1	6 mm
DV50EM16063M	1	16	48	63	53	3	BS503M025	1	6 mm
DV50EM16150M	1	16	48	150	53	3.2	BSS03M025	1	6 mm
DV50EM20063M	1	20	52	63	55	3.1	BSS03M026	1	8 mm
DV50EM20150M	1	20	52	150	55	3.3	BSS03M026	1	8 mm
DV50EM25080M	1	25	65	80	60	3.8	BSS03M027	2	10 mm
DV50EM32100M	1	32	72	100	65	4.6	BSS03M029	2	10 mm
DV50EM40110M	1	40	90	110	75	5	BWS2025M	2	10 mm
DV50EM50120M	1	50	100	120	85	5.5	BWS24M	2	12 mm
DV50BEM16063M	2	16	48	63	53	3	BSS03M025	1	6 mm
DV50BEM20063M	2	20	52	63	55	3.1	BSS03M026	1	8 mm
DV50BEM25080M	2	25	65	80	60	3.8	BSS03M027	2	10 mm
DV50BEM32100M	2	32	72	100	65	4.6	BSS03M029	2	10 mm
DV50BEM40110M	2	40	90	110	75	5	BWS2025M	2	10 mm
DV50BEM50120M	2	50	100	120	85	5.5	BWS24M	2	12 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.
- All details are subject to change without notice

## Whistle Notch Adapters



- Balance by Design , Through tool holder coolant capability
- Order Example -DV50BWN06063M
- Dynamically balanced to G6.3 @ 15,000 rpm , & G2.5 at 20,000 rpm . available on request
- Order Example -DV50BWN06063M G2.5

### Whistle Notch Adapters - Metric

Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
DV50BWN06063M	6	25	63	30	10	2.7	BSS03M012	3 mm	B.571.060	2.5 mm
DV50BWN08063M	8	28	63	30	10	2.7	BSS03M014	4 mm	B.571.067	3.0 mm
DV50BWN10063M	10	35	63	35	10	2.8	BSS03M018	5 mm	B.571.068	4.0 mm
DV50BWN12063M	12	42	63	40	10	2.9	BSS03M023	6 mm	B.571.074	5.0 mm
DV50BWN14063M	14	44	63	40	10	2.9	BSS03M023	6 mm	B.571.074	5.0 mm
DV50BWN16063M	16	48	63	43	10	3	BSS03M025	6 mm	B.571.075	6.0 mm
DV50BWN18063M	18	50	63	43	10	3.1	BSS03M025	6 mm	B.571.075	6.0 mm
DV50BWN20063M	20	52	63	45	10	3.1	BSS03M026	8 mm	B.571.076	6.0 mm
DV50BWN25080M	25	65	80	50	10	3.8	BSS03M027	10 mm	B.571.076	6.0 mm
DV50BWN32100M	32	72	100	54	10	4.6	BSS03M029	10 mm	B.571.076	6.0 mm

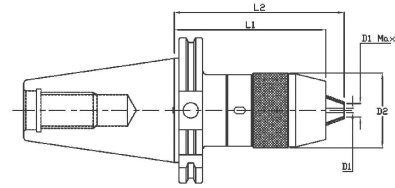
### Short Whistle Notch Adapters WN-BT Form B/AD

Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
DV50BSWN25070M	25	65	70	55	16	3.6	BSS03M027	10 mm	B.571.066	10 mm
DV50BSWN32070M	32	72	70	60	16	4.2	BSS03M029	10 mm	B.571.066	10 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw & Stop Screw.
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice



**Drill Chucks**



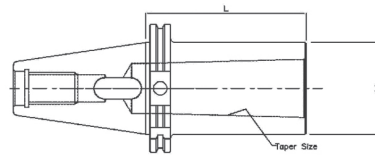
- Balance by-design, No through coolant capability
- Order Example - DV50DC13090M

**Drill Chuck Adaptors.**

Catalogue No	D1Min.-Max	D2	L1	L2	Wt.kg	Wrench
DV50DC13090M	1.0 - 13.0	50.5	90.5	102.5	3.5	13S
DV50DC13096M	1.0 - 13.0	50.5	96.5	108.5	3.6	13S

- **Scope of Supply** : Basic Tool Holder & Wrench
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

**Morse Taper Adaptors**

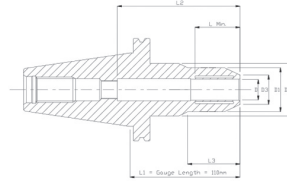


- Balance by-design, No through coolant capability
- Recommended for tools with a Morse taper and tang
- Order Example - DV50MT1050M

Catalogue No	Taper Size	D	L	Wt.Kg.
DV50MT1045M	1	25	45	1.8
DV50MT2050M	2	32	50	3.1
DV50MT2060M	2	32	60	3.2
DV50MT3065M	3	40	65	3.2
DV50MT3070M	3	40	70	3.3
DV50MT4095M	4	48	95	3.4
DV50MT5105M	5	63	105	3.8

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Hydraulic Energia Series : Gauge Length 110mm**



**Specially : For Tool Sharpening and Grinding Machine**

- Pre Balanced G2.5 @ 20,000 rpm,
- Through tool holder coolant capability
- Pressurizing media hydraulic OIL
- Order Example - DV50BSHYD06110MO

**Hydraulic Chucks - (OIL Filled) Metric Form B+AD**

Catalogue No.	D	D1	D2	D3	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. Kg
DV50BSHYD06110MO	6	26	50	15	110	44	55	23	SHYDC-0M10	CSS-0510M	2.84
DV50BSHYD08110MO	8	28	50	16	110	44	55	24	SHYDC-0M10	CSS-0510M	2.86
DV50BSHYD10110MO	10	30	50	18	110	44	55	30	SHYDC-0M10	CSS-0612M	2.90
DV50BSHYD12110MO	12	32	50	21	110	50	55	36	SHYDC-0M10	CSS-0615M	2.89
DV50BSHYD14110MO	14	34	50	23	110	50	60	40	SHYDC-0M10	CSS-0812M	2.94
DV50BSHYD16110MO	16	38	50	25	110	54	60	40	SHYDC-0M10	CSS-0812M	3.00
DV50BSHYD18110MO	18	40	50	27	110	54	60	43	SHYDC-0M10	CSS-0815M	3.03
DV50BSHYD20110MO	20	42	50	28	110	95	47	43	SHYDC-0M10	CSS-0815M	3.05
DV50BSHYD25110MO	25	53	53	30	110	95	50	46	SHYDC-0M10	CSS-1015M	4.00
DV50BSHYD32110MO	32	55	55	40	110	95	65	51	HYDC-0M14	CSS-1015M	4.20

**Cutting Tool Shank Requirements Metric (ISO Standard)**

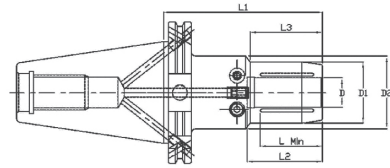
cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- Scope of Supply : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- Accessories Viz : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Hydraulic Chucks**



- Pre Balanced G2.5 @ 20,000 rpm,
- Through tool holder coolant capability
- Pressurizing media Patented Silicon Jelly
- Order Example - DV50-SHYD06-075M

**Hydraulic Chucks - (Jelly Filled) Metric**

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. Kg
DV50-SHYD06-075MO	6	26	50	75	38	24	23	SHYDC-0717	CSS-0510M	2.84
DV50-SHYD08-075MO	8	28	50	75	38	24	24	SHYDC-0717	CSS-0510M	2.86
DV50-SHYD10-075MO	10	30	50	75	40	26	30	SHYDC-0717	CSS-0612M	2.9
DV50-SHYD12-080MO	12	32	50	80	45	40	36	SHYDC-0717	CSS-0615M	2.89
DV50-SHYD14-080MO	14	34	50	80	45	40	40	SHYDC-0717	CSS-0812M	2.94
DV50-SHYD16-085MO	16	38	50	85	50	46	40	SHYDC-0717	CSS-0812M	3
DV50-SHYD18-090MO	18	40	50	90	52	50	43	SHYDC-0717	CSS-0815M	3.03
DV50-SHYD20-090MO	20	42	50	90	52	50	43	SHYDC-0717	CSS-0815M	3.05
DV50-SHYD25-100MO	25	53		100	59		46	SHYDC-0720	CSS-1015M	4
DV50-SHYD32-100MO	32	60		100	60		51	HYDC-1020	CSS-1015M	4.2
DV50-SHYD40-110MO	40	68		110	65		57			4.5

**Hydraulic Chucks -Metric Form B/AD**

DV50B-SHYD06-075MO	6	26	50	75	38	24	23	SHYDC-0717	CSS-0510M	2.84
DV50B-SHYD08-075MO	8	28	50	75	38	24	24	SHYDC-0717	CSS-0510M	2.86
DV50B-SHYD10-075MO	10	30	50	75	40	26	30	SHYDC-0717	CSS-0612M	2.9
DV50B-SHYD12-080MO	12	32	50	80	45	40	36	SHYDC-0717	CSS-0615M	2.89
DV50B-SHYD14-080MO	14	34	50	80	45	40	40	SHYDC-0717	CSS-0812M	2.94
DV50B-SHYD16-085MO	16	38	50	85	50	46	40	SHYDC-0717	CSS-0812M	3
DV50B-SHYD18-090MO	18	40	50	90	52	50	43	SHYDC-0717	CSS-0815M	3.03
DV50B-SHYD20-090MO	20	42	50	90	52	50	43	SHYDC-0717	CSS-0815M	3.05
DV50B-SHYD25-100MO	25	53		100	59		46	SHYDC-0720	CSS-1015M	4
DV50B-SHYD32-100MO	32	60		100	60		51	HYDC-1020	CSS-1015M	4.2
DV50B-SHYD40-110MO	40	68		110	65		57			4.5

**Cutting Tool Shank Requirements Metric (ISO Standard)**

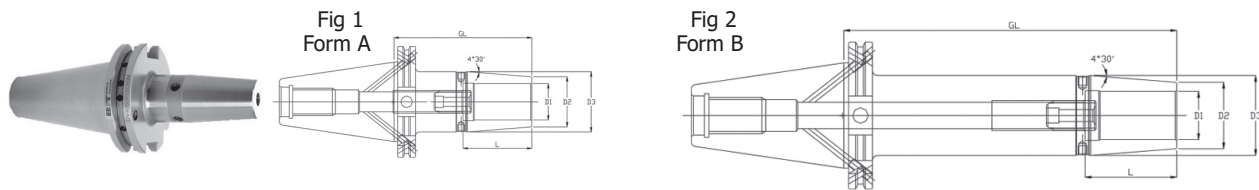
cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

### Shrink Fit Adapters



- Pre Balanced G2.5 @ 20,000 rpm,
- Through the tool holder coolant capability
- Order Example - DV50BSF06080M

### Shrink Fit Adapters - Metric

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
DV50BSF06080M	1	6	20	27	80	36	2.73	BTTSS05014M
DV50BSF06130M	2	6	20	27	130	36	3.15	BTTSS05014M
DV50BSF06160M	2	6	20	27	160	36	3.45	BTTSS05014M
DV50BSF08080M	1	8	20	27	80	36	2.72	BTTSS06014M
DV50BSF08130M	2	8	20	27	130	36	3.15	BTTSS06014M
DV50BSF08160M	2	8	20	27	160	36	3.45	BTTSS06014M
DV50BSF10080M	1	10	24	32	80	41	2.8	BTTSS08014M
DV50BSF10130M	2	10	24	32	130	41	3.2	BTTSS08014M
DV50BSF10160M	2	10	24	32	160	41	3.45	BTTSS08014M
DV50BSF12080M	1	12	24	32	80	46	2.81	BTTSS10014M
DV50BSF12130M	2	12	24	32	130	46	3.2	BTTSS10014M
DV50BSF12160M	2	12	24	32	160	46	3.45	BTTSS10014M
DV50BSF14080M	1	14	27	34	80	46	2.85	BTTSS10014M
DV50BSF14130M	2	14	27	34	130	46	3.35	BTTSS10014M
DV50BSF14160M	2	14	27	34	160	46	3.85	BTTSS10014M
DV50BSF16080M	1	16	27	34	80	49	2.83	BTTSS12014M
DV50BSF16130M	2	16	27	34	130	49	3.35	BTTSS12014M
DV50BSF16160M	2	16	27	34	160	49	3.85	BTTSS12014M
DV50BSF18080M	1	18	33	42	80	49	2.97	BTTSS12014M
DV50BSF18130M	2	18	33	42	130	49	3.45	BTTSS12014M
DV50BSF18160M	2	18	33	42	160	49	3.9	BTTSS12014M
DV50BSF20080M	1	20	33	42	80	51	2.93	BTTSS16014M
DV50BSF20130M	2	20	33	42	130	51	3.45	BTTSS16014M
DV50BSF20160M	2	20	33	42	160	51	3.9	BTTSS16014M
DV50BSF25100M	1	25	44	53	100	57	3.53	BTTSS16014M
DV50BSF25130M	2	25	44	53	130	57	3.55	BTTSS16014M

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
DV50BSF25160M	2	25	44	53	160	57	4.25	BTTSS16014M
DV50BSF32100M	1	32	44	53	100	61	3.37	BTTSS16014M
DV50BSF32130M	2	32	44	53	130	61	3.55	BTTSS16014M
DV50BSF32160M	2	32	44	53	160	61	4.29	BTTSS16014M

**Cutting Tool Shank Requirements Metric (ISO Standard)**

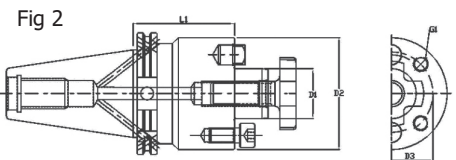
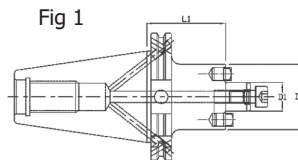
cutting tool shank diameter	tolerance	
6	h6	0.000/ -0,008
8 & 10	h6	0.000/ -0,009
12, 14, 16 & 18	h6	0.000/ -0,011
20 & 25	h6	0.000/ -0,013
32, 40 & 50	h6	0.000/ -0,016

**Cutting Tool Shank Requirements inch (industry standard)**

cutting tool shank diameter	tolerance
1/4, 5/16, 3/8	0.001/ -0,004
7/16, 1/2, 9/16, 5/8 & 11/16	0.000/ -0,004
3/4	0.000/ -0,005

- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Shrink Fit adapter technical details refer (Page No.277 to 283)
- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shell Mill Adapters - Metric**

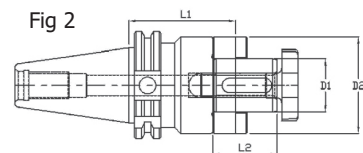
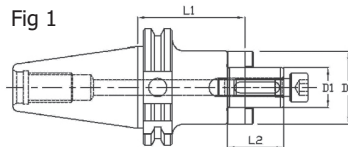


Balanced by Design, Through the tool holder coolant capability  
Order Exam ple - DV50SM16035M

Catalogue No	FIG	D1	D2	D3	L1	G1	Wt. Kg.	Lock Screw	Wrench	Drive Key
DV50SM16035M	1	16	44		35		2.7	BMS1294	6 mm	BKDK16M
DV50SM22035M	1	22	49		35		2.81	BMS1234	8 mm	BKDK22M
DV50SM22100M	1	22	49		100		3.72	BMS1234	8 mm	BKDK22M
DV50SM22150M	1	22	49		150		4.56	BMS1234	8 mm	BKDK22M
DV50SM27035M	2	27	60		35		2.99	BKLS27M	BSMW27M	BKDK27M
DV50SM27100M	2	27	60		100		4.38	BKLS27M	BSMW27M	BKDK27M
DV50SM27150M	2	27	60		150		5.46	BKLS27M	BSMW27M	BKDK27M
DV50SM32035M	2	32	70		35		3.2	BKLS32M	BSMW32M	BKDK32M
DV50SM32100M	2	32	78		100		5.2	BKLS32M	BSMW32M	BKDK32M
DV50SM32150M	2	32	78		150		6.68	BKLS32M	BSMW32M	BKDK32M
DV50SM40050M	2	40	89	66.7	50	M12-1.756H	4.02	BKLS40M	BSMW40M	BKDK40M
DV50SM40100M	2	40	89	66.7	100	M12-1.756H	5.78	BKLS40M	BSMW40M	BKDK40M
DV50SM40150M	2	40	89	66.7	150	M12-1.756H	7.1	BKLS40M	BSMW40M	BKDK40M
DV50SM60070M	2	60	129	102	70	M16-2.06H	6.24	MS1242		BKDK60M

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Cambi Shell Mill Adapters



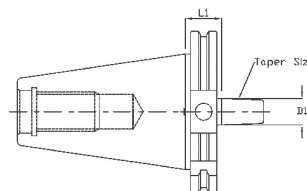
- Balanced by Design, Through the tool holder coolant capability
- Order Example - DV50CS16055M

### Cambi Shell Mill Adapters - Metric

Catalogue No	FIG	D1	D2	L1	L2	Wt. Kg.	Lock Screw	Wrench	Drive Ring	Drive Key
DV50CS16055M	1	16	32	55	27	2.78	BMS1294	6 mm	BCDR16M	BCDK16M
DV50CS22055M	1	22	40	55	31	2.93	BMS1234	8 mm	BCDR22M	BCDK22M
DV50CS22100M	1	22	40	100	31	3.36	BMS1234	8 mm	BCDR22M	BCDK22M
DV50CS22150M	1	22	40	150	31	3.83	BMS1234	8 mm	BCDR22M	BCDK22M
DV50CS27055M	2	27	48	55	33	3.14	BKLS27M	BSMW27M	BCDR27M	BCDK27M
DV50CS27100M	2	27	48	100	33	3.75	BKLS27M	BSMW27M	BCDR27M	BCDK27M
DV50CS27150M	2	27	48	150	33	4.43	BKLS27M	BSMW27M	BCDR27M	BCDK27M
DV50CS32055M	2	32	58	55	38	3.45	BKLS32M	BSMW32M	BCDR32M	BCDK32M
DV50CS32100M	2	32	58	100	38	4.32	BKLS32M	BSMW32M	BCDR32M	BCDK32M
DV50CS32150M	2	32	58	150	38	5.3	BKLS32M	BSMW32M	BCDR32M	BCDK32M
DV50CS40055M	2	40	70	55	41	3.92	BKLS40M	BSMW40M	BCDR40M	BCDK40M
DV50CS40100M	2	40	70	100	41	5.19	BKLS40M	BSMW40M	BCDR40M	BCDK40M
DV50CS40150M	2	40	70	150	41	6.6	BKLS40M	BSMW40M	BCDR40M	BCDK40M
DV50CS50075M	2	50	90	75	46	7.2	BKLS50M	BSMW50M	BCDR50M	BCDK50M
DV50CS50150M	2	50	90	150	46	8.5	BKLS50M	BSMW50M	BCDR50M	BCDK50M

- **Scope of Supply** : Basic Tool Holder, Lock Screw, Drive Key & Drive Ring
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)

### Jacobs Taper Adapters



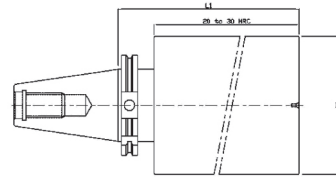
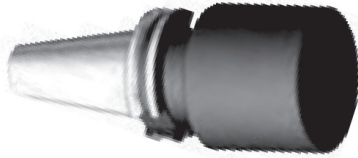
- Balance by-design, Recommended for tools with a Jacobs internal taper, No through-coolant capability.
- Order Example - DV50JT33054M

### JT-DV Form-A

Catalogue No	Taper Size	D1	L1	Wt. Kg.
DV50JT33054M	33	15.88	54	1.32

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Boring Bar Blank**

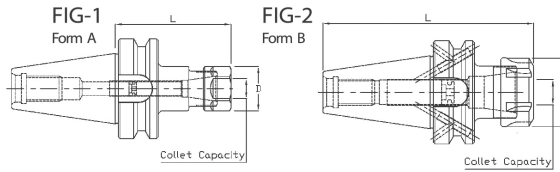


- Balance By Design, Machinable front end 20-30 HRC
- Order Example - DV50BB104350M

Catalogue No										D2	L1	Wt. Kg.
DV50BB104350M	DV5	0	BB104350M	DV50BB104350M	DV50BB104350M	104	350	24.08	DV50DC13090M	1.0 - 13.0	50.5	90.5
DV50BB134250M	DV5	0	BB134250M	DV50BB134250M	DV50BB134250M	134	250	26.86	DV50DC13096M	1.0 - 13.0	50.5	96.5

- **Scope of Supply** : Basic Tool Holder Boring Bar Blank
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**ER Collet Chucks**

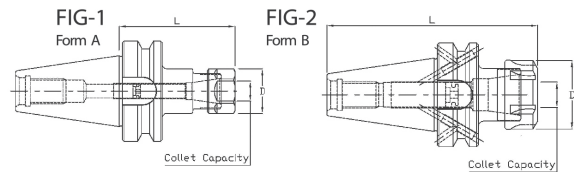


- Balanced by Design, Flange through coolant Form B/AD available on request
- Through tool holder coolant capability. Order Example – BT40BER16060M
- Order Example – BT40ER16060M
- Dynamically balanced to & G6.3 @ 15,000 rpm, G2.5 at 20,000 rpm available on request
- Order Example – BT40ER16060M-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT40ER16060M	16ER	0.5 - 10	1	28	60	1.40	LNHER16M	OEW25M	BSS044038G
BT40ER16100M	16ER	0.5 - 10	1	28	100	1.40	LNHER16M	OEW25M	BSS044038G
BT40ER16120M	16ER	0.5 - 10	1	28	120	1.60	LNHER16M	OEW25M	BSS044038G
BT40ER16160M	16ER	0.5 - 10	1	28	160	1.60	LNHER16M	OEW25M	BSS044038G
BT40ER20070M	20ER	1 - 13	1	34	70	1.25	LNER20M	ER20WM	BSS056041G
BT40ER20100M	20ER	1 - 13	1	34	100	1.25	LNER20M	ER20WM	BSS056041G
BT40ER20160M	20ER	1 - 13	1	34	160	1.25	LNER20M	ER20WM	BSS056041G
BT40ER25070M	25ER	1 - 16	2	42	70	1.30	LNER25M	ER25WM	BSS075041G
BT40ER25100M	25ER	1 - 16	2	42	100	1.30	LNER25M	ER25WM	BSS075041G
BT40ER25120M	25ER	1 - 16	2	42	120	1.60	LNER25M	ER25WM	BSS075041G
BT40ER25160M	25ER	1 - 16	2	42	160	1.60	LNER25M	ER25WM	BSS075041G
BT40ER32070M	32ER	2 - 20	2	50	70	1.40	LNER32M	ER32WM	BSS094041G
BT40ER32100M	32ER	2 - 20	2	50	100	1.40	LNER32M	ER32WM	BSS094041G
BT40ER32120M	32ER	2 - 20	2	50	120	1.70	LNER32M	ER32WM	BSS094041G
BT40ER32160M	32ER	2 - 20	2	50	160	1.70	LNER32M	ER32WM	BSS094041G
BT40ER40080M	40ER	3 - 26	2	63	80	1.50	LNER40M	ER40WM	BSS112041G
BT40ER40100M	40ER	3 - 26	2	63	100	1.50	LNER40M	ER40WM	BSS112041G
BT40ER40120M	40ER	3 - 26	2	63	120	1.80	LNER40M	ER40WM	BSS112041G
BT40ER40160M	40ER	3 - 26	2	63	160	1.80	LNER40M	ER40WM	BSS112041G
BT40ER50100M	50ER	10 - 34	1	78	100	2.50	LNER50M	ER50WM	BSS112041G
BT40BER16060M	16ER	0.5 - 10	1	28	60	1.40	LNHER16M	OEW25M	BSS044038G
BT40BER16100M	16ER	0.5 - 10	1	28	100	1.40	LNHER16M	OEW25M	BSS044038G
BT40BER16120M	16ER	0.5 - 10	1	28	120	1.60	LNHER16M	OEW25M	BSS044038G
BT40BER16160M	16ER	0.5 - 10	1	28	160	1.60	LNHER16M	OEW25M	BSS044038G
BT40BER20070M	20ER	1 - 13	1	34	70	1.25	LNER20M	ER20WM	BSS056041G
BT40BER20100M	20ER	1 - 13	1	34	100	1.25	LNER20M	ER20WM	BSS056041G
BT40BER20160M	20ER	1 - 13	1	34	160	1.25	LNER20M	ER20WM	BSS056041G
BT40BER25070M	25ER	1 - 16	2	42	70	1.30	LNER25M	ER25WM	BSS075041G
BT40BER25100M	25ER	1 - 16	2	42	100	1.30	LNER25M	ER25WM	BSS075041G
BT40BER25120M	25ER	1 - 16	2	42	120	1.60	LNER25M	ER25WM	BSS075041G
BT40BER25160M	25ER	1 - 16	2	42	160	1.60	LNER25M	ER25WM	BSS075041G
BT40BER32070M	32ER	2 - 20	2	50	70	1.40	LNER32M	ER32WM	BSS094041G
BT40BER32100M	32ER	2 - 20	2	50	100	1.40	LNER32M	ER32WM	BSS094041G
BT40BER32120M	32ER	2 - 20	2	50	120	1.70	LNER32M	ER32WM	BSS094041G
BT40BER32160M	32ER	2 - 20	2	50	160	1.70	LNER32M	ER32WM	BSS094041G
BT40BER40080M	40ER	3 - 26	2	63	70	1.50	LNER40M	ER40WM	BSS112041G
BT40BER40080M	40ER	3 - 26	2	63	80	1.50	LNER40M	ER40WM	BSS112041G



**ER Collet Chucks**

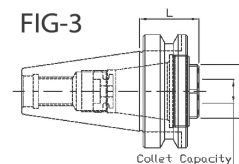


- Balanced by Design, Flange through coolant Form B/AD available on request
- Through tool holder coolant capability. Order Example – BT40BER16060M
- Order Example – BT40ER16060M
- Dynamically balanced to & G6.3 @ 15,000 rpm, G2.5 at 20,000 rpm available on request
- Order Example – BT40ER16060M-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT40BER40100M	40ER	3 - 26	2	63	100	1.50	LNER40M	ER40WM	BSS112041G
BT40BER40120M	40ER	3 - 26	2	63	120	1.80	LNER40M	ER40WM	BSS112041G
BT40BER40160M	40ER	3 - 26	2	63	160	1.80	LNER40M	ER40WM	BSS112041G
BT40BER50100M	50ER	10 - 34	1	78	100	2.50	LNER50M	ER50WM	BSS112041G
BT40BER11M070M	11ER	0.5 - 7	2	16	70	1.20	LNERM11M	ER11WBEM	BCSS0615M
BT40BER11M100M	11ER	0.5 - 7	2	16	100	1.20	LNERM11M	ER11WBEM	BCSS0615M
BT40BER11M160M	11ER	0.5 - 7	2	16	160	1.20	LNERM11M	ER11WBEM	BCSS0615M
BT40BER16M070M	16ER	0.5 - 10	2	22	60	1.20	LNERM16M	ER16WBEM	BCSS1020M
BT40BER16M100M	16ER	0.5 - 10	2	22	100	1.20	LNERM16M	ER16WBEM	BCSS1020M
BT40BER16M120M	16ER	0.5 - 10	2	22	120	1.20	LNERM16M	ER16WBEM	BCSS1020M
BT40BER16M160M	16ER	0.5 - 10	2	22	160	1.20	LNERM16M	ER16WBEM	BCSS1020M
BT40BER20M120M	20ER	0.5 - 13	2	28	120	1.30	LNERM20M	ER20WBEM	BCSS1225M
BT40BER20M160M	20ER	0.5 - 13	2	28	160	1.30	LNERM20M	ER20WBEM	BCSS1225M
BT40BER25070M	25ER	1 - 16	2	35	70	1.30	LNERM25M	ER25WBEM	BCSS075041G
BT40BER25070M	25ER	1 - 16	2	35	100	1.30	LNERM25M	ER25WBEM	BCSS075041G
BT40BER25120M	25ER	1 - 16	2	35	120	1.30	LNERM25M	ER25WBEM	BCSS075041G
BT40BER25070M	25ER	1 - 16	2	35	160	1.30	LNERM25M	ER25WBEM	BCSS075041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

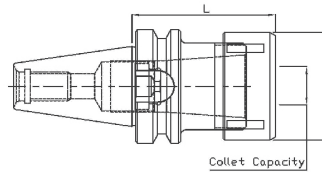
**SER Collet Chucks**



Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT40SER25035M	25ER	1 - 16	3	32	26	0.75	LNECER25M	ER25WEM	SS075041G
BT40SER32035M	32ER	2 - 20	3	36	35	0.75	LNECER32M	OEW32M	SS094041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**TG Collet Chucks**

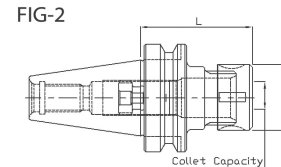
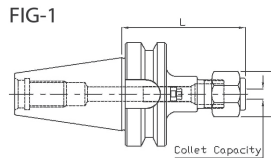


- Tremendous grip, Balanced by Design, Through tool holder coolant capability
- Order Example – BT40TG07570M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT40TG075070M-G2.5
- Flange through coolant Form B/AD available on request
- Order Example – BT40BTG075070M

Catalogue No	Collet Series	Collet Cap Min.-Max.	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT40TG075070M	75TG	2-6-20	50	70	1.40	LNA075M	HSW45M	BSS081041G
BT40TG100080M	100TG	2.6 – 25.5	60	80	1.40	LNA100M	HSW58M	BSS112041G
BT40TG100100M	100TG	2.6 – 25.5	60	100	1.80	LNA100M	HSW58M	BSS112041G
BT40TG100150M	100TG	2.6 – 25.5	60	150	2.50	LNA100M	HSW58M	BSS112041G
BT40TG150110M	150TG	11-6-40	85	110	2.50	LNA150M	HSW80M	BSS112041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately TG Collets (Page No.234-244), Wrench & Pull Stud (Page No. 252-253)

**DA Collet Chucks**

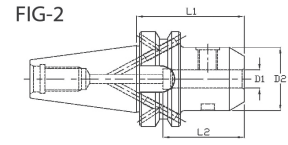
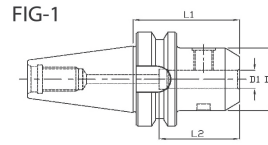


- Balanced by Design, Through tool holder coolant capability. Flange through coolant Form B/AD available on request
- Order Example – BT40DA208070M Order Example – BT40BDA208070M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT40DA208070M-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT40DA208070M	200DA	0.2 - 10	1	28	70	1.00	LNA208M	OEW24M	BSS038031G
BT40DA108070M	100DA	1-7-14	1	37	70	1.00	LNA108M	OEW32M	BSS056041G
BT40DA188070M	180DA	2-2-20	2	43	70	1.20	LNA188M	HSW45M	BSS081041G
BT40DA188100M	180DA	2-2-20	2	43	100	1.40	LNA188M	HSW45M	BSS081041G
BT40DA188150M	180DA	2-2-20	2	43	150	1.70	LNA188M	HSW45M	BSS081041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately DA Collets (Page No.245-246), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**End Mill Adapters – Metric**

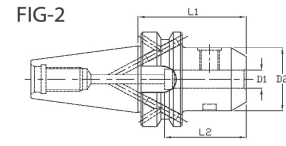
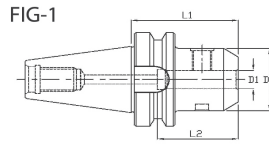


- Balanced by Design, Through tool holder coolant capability Flange through coolant Form B/AD available on request
- Order Example – BT40EM06050M Order Example – BT40BEM06050M
- Dynamically balanced to G6.3 @ 15,000 rpm & G2.5 at 20,000 rpm, available on request
- Order Example – BT40EM06050M-G2.5

Catalogue No	FIG	D1	D2	L1	L2	Wt. Kg.	Clamping Screw	No of Clamp Screw	Wrench Allen Key
BT40EM06050M	1	6	25	50	40	1.00	BSS03M012	1	3mm
BT40EM06100M	1	6	25	100	40	1.00	BSS03M012	1	3mm
BT40EM06160M	1	6	25	160	40	1.00	BSS03M012	1	3mm
BT40EM08050M	1	8	28	100	40	1.04	BSS03M014	1	4 mm
BT40EM08100M	1	8	28	160	40	1.04	BSS03M014	1	4 mm
BT40EM08160M	1	8	28	50	40	1.04	BSS03M014	1	4 mm
BT40EM10063M	1	10	35	63	45	1.17	BSS03M018	1	5 mm
BT40EM10100M	1	10	35	100	45	1.17	BSS03M018	1	5 mm
BT40EM10160M	1	10	35	160	45	1.17	BSS03M018	1	5 mm
BT40EM12063M	1	12	42	63	50	1.26	BSS03M023	1	6 mm
BT40EM12100M	1	12	42	100	50	1.26	BSS03M023	1	6 mm
BT40EM12160M	1	12	42	160	50	1.26	BSS03M023	1	6 mm
BT40EM14063M	1	14	44	63	50	1.29	BSS03M023	1	6 mm
BT40EM14100M	1	14	44	100	50	1.45	BSS03M023	1	6 mm
BT40EM14160M	1	14	44	160	50	1.50	BSS03M023	1	6 mm
BT40EM16063M	1	16	48	63	53	1.34	BSS03M025	1	6 mm
BT40EM16100M	1	16	48	100	53	1.44	BSS03M025	1	6 mm
BT40EM16160M	1	16	48	160	53	1.50	BSS03M025	1	6 mm
BT40EM18063M	1	18	50	63	53	1.36	BSS03M025	1	6 mm
BT40EM18063M	1	18	50	100	53	1.48	BSS03M025	1	6 mm
BT40EM18100M	1	18	50	160	53	1.52	BSS03M025	1	6 mm
BT40EM20063M	1	20	52	63	55	1.40	BSS03M026	1	8 mm
BT40EM20100M	1	20	52	100	55	1.50	BSS03M026	1	8 mm
BT40EM20160M	1	20	52	160	55	1.60	BSS03M026	1	8 mm
BT40EM25090M	1	25	65	90	60	2.22	BSS03M027	2	10 mm
BT40EM25160M	1	25	65	160	60	2.22	BSS03M027	2	10 mm
BT40EM32110M	1	32	72	110	65	2.50	BSS03M029	2	10 mm
BT40BEM06050M	2	6	25	50	40	1.00	BSS03M012	1	3mm
BT40BEM08050M	2	8	28	50	40	1.04	BSS03M014	1	4 mm
BT40BEM10063M	2	10	35	63	45	1.17	BSS03M018	1	5 mm
BT40BEM12063M	2	12	42	63	50	1.26	BSS03M023	1	6 mm
BT40BEM14063M	2	14	44	63	50	1.29	BSS03M023	1	6 mm
BT40BEM16063M	2	16	48	63	53	1.34	BSS03M025	1	6 mm
BT40BEM18063M	2	18	50	63	53	1.36	BSS03M025	1	6 mm
BT40BEM20063M	2	20	52	63	55	1.40	BSS03M026	1	8 mm
BT40BEM25090M	2	25	65	90	60	2.22	BSS03M027	2	10 mm
BT40BEM32110M	2	32	72	110	65	2.50	BSS03M029	2	10 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**End Mill Adapters – Inch.**

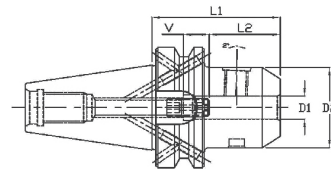


- Balanced by Design, Through tool holder coolant capability Flange through coolant Form B/AD available on request Order Example - BT40BEM025255
- Order Example - BT40EM025255
- Dynamically balanced to G6.3 @ 15,000 rpm & G2.5 at 20,000 rpm, available on request
- Order Example - BT40EM025255-G2.5

Catalogue No	FIG	D1	D2	L1	L2	Wt. Lbs	Clamping Screw	No of Clamp Screw	Wrench Allen Key
BT40EM025255	1	1/4	1.00	2.55	3.93	2.36	BELS025025PKG	1	1/8
BT40EM031255	1	5/16	1.00	2.55	3.93	2.36	BELS031031PKG	1	5/32
BT40EM038255	1	3/8	1.00	2.55	3.93	2.51	BELS038031PKG	1	3/16
BT40EM050255	1	1/2	1.38	2.55	3.93	2.51	BELS044038PKG	1	7/32
BT40EM050400	1	1/2	1.38	4.00	5.38	3.02	BELS044038PKG	1	7/32
BT40EM062255	1	5/8	1.63	2.55	2.09	2.69	BELS056050PKG	1	1/4
BT40EM075150	1	3/4	1.68	1.50	2.22	2.09	BELS062050PKG	1	5/16
BT40EM075255	1	3/4	1.75	2.55	2.22	2.73	BELS062050PKG	1	5/16
BT40EM088335	1	7/8	2.00	3.35	2.22	3.57	BELS062050PKG	1	5/16
BT40EM100162	1	1	2.04	1.63	2.46	2.01	BELS075044PKG	2	3/8
BT40EM100374	1	1	2.00	3.74	2.56	3.75	BELS075056PKG	2	3/8
BT40EM100500	1	1	2.00	5.00	4.49	4.54	BELS075056PKG	2	3/8
BT40EM125250	1	1 1/4	2.46	2.50	2.51	3.04	BELS075062PKG	2	3/8
BT40EM125335	1	1 1/4	2.40	3.35	2.51	3.95	BELS075056PKG	2	3/8

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.
- All details are subject to change without notice

### Whistle Notch Adapters



- Balance by design, Through tool holder coolant capability
- Order Example – BT40BWN06050M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT40BWN06050M G2.5

Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
BT40BWN06050M	6	25	50	30	10	1.03	BSS03M012	3 mm	B.571.060	2.5 mm
BT40BWN08050M	8	28	50	30	10	1.05	BSS03M014	4 mm	B.571.067	3.0 mm
BT40BWN10063M	10	35	63	35	10	1.18	BSS03M018	5 mm	B.571.068	4.0 mm
BT40BWN12063M	12	42	63	40	10	1.27	BSS03M023	6 mm	B.571.068	5.0 mm
BT40BWN14063M	14	44	63	40	10	1.29	BSS03M023	6 mm	B.571.074	5.0 mm
BT40BWN16063M	16	48	63	43	10	1.34	BSS03M025	6 mm	B.571.075	6.0 mm
BT40BWN18063M	18	50	63	43	10	1.36	BSS03M025	6 mm	B.571.075	6.0 mm
BT40BWN20063M	20	52	63	45	10	1.36	BSS03M026	8 mm	B.571.076	6.0 mm
BT40BWN25090M	25	65	90	55	10	2.16	BSS03M027	10 mm	B.571.076	6.0 mm
BT40BWN32100M	32	72	100	54	10	2.58	BSS03M029	10 mm	B.571.076	6.0 mm

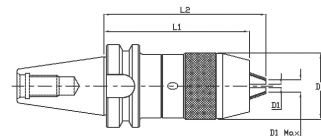
### Short Whistle Notch Adapters

WN-BT Form B/AD

Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
BT40BSWN25075M	25	65	75	60	16	2.00	BSS03M027	10 mm	B.571.066	10 mm
BT40BSWN32075M	32	72	75	64	16	2.30	BSS03M029	10 mm	B.571.066	10 mm

- Scope of Supply : Basic Tool Holder, Clamping Screw & Stop Screw.
- Accessories Viz : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Drill Chucks



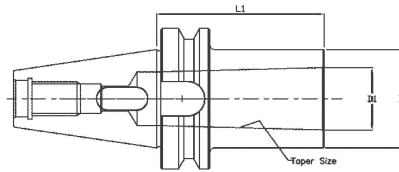
DRILL CHUCK

- Balance by-design, Through tool holder coolant capability
- Order Example – BT40DC13096M

Catalogue No	D1 Min.-Max	D2	L1	L2	Wt. Kg	Wrench
BT40DC13096M	1 - 13	50.50	96.40	108.50	1.80	13S

- **Scope of Supply** : Basic Tool Holder & Wrench
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

### Morse Taper Adapters

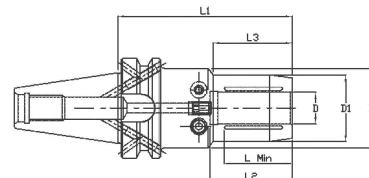


- Balance by-design, No through coolant capability, Form-AD
- Recommended for tools with a morse taper and tang
- Order Example – BT40MT1050M

Catalogue No	Taper Size	D1	D2	L1	Wt. Kg.
BT40MT1050M	1	12.10	25	50	1.01
BT40MT1115M	1	12.10	25	115	1.50
BT40MT2050M	2	17.80	32	50	1.06
BT40MT2125M	2	17.80	32	125	1.75
BT40MT3070M	3	23.80	40	70	1.13
BT40MT3140M	3	23.80	40	140	2.00
BT40MT4095M	4	31.30	48	95	1.33

- Scope of Supply : Basic Tool Holder
- Accessories Viz : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Hydraulic Chucks – Metric

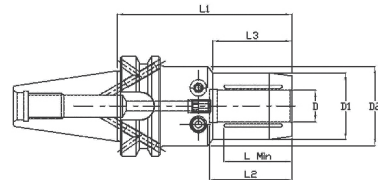


- Pre Balanced G2.5 @ 20,000 rpm
- holder coolant capability
- Pressurising media hydraulic OIL

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. kg
BT40SHYD06080MO	6	26	50	80	38	24	23	SHYDC-0M10	CSS-0510M	2.50
BT40SHYD08080MO	8	28	50	80	38	24	24	SHYDC-0M10	CSS-0510M	2.50
BT40SHYD10080MO	10	30	50	80	40	26	30	SHYDC-0M10	CSS-0612M	2.50
BT40SHYD12090MO	12	32	50	90	45	40	36	SHYDC-0M10	CSS-0615M	2.50
BT40SHYD14090MO	14	34	50	90	45	40	40	SHYDC-0M10	CSS-0812M	3.00
BT40SHYD16090MO	16	38	50	90	50	46	40	SHYDC-0M10	CSS-0812M	3.00
BT40SHYD18095MO	18	40	50	95	52	50	43	SHYDC-0M10	CSS-0815M	3.00
BT40SHYD20095MO	20	42	50	95	52	50	43	SHYDC-0M10	CSS-0815M	3.00
BT40SHYD20285MO	20	42	50	285	52	50	43	SHYDC-0M10	CSS-0815M	5.90
BT40SHYD25105MO	25	53		105	59		46	SHYDC-0M10	CSS-1015M	4.00
BT40SHYD32110MO	32	60		110	60		51	SHYDC-0M14	CSS-1015M	4.00

- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Hydraulic Chucks – Inch**

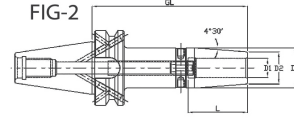
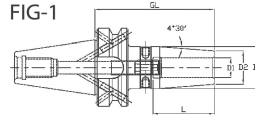


- Pre Balanced G2.5 @ 20,000 rpm
- holder coolant capability
- Pressurising media hydraulic OIL

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. kg
BT40SHYD0253150	1/4"	26	50	3.15'	38	24	23	SHYDC-0717	CSS-0510M	2.87
BT40SHYD0383350	3/8'	30	50	3.35'	40	26	30	SHYDC-0717	CSS-0612M	3.04
BT40SHYD0503540	1/2"	32	50	3.54'	45	40	40	SHYDC-0717	CSS-0615M	3.15
BT40SHYD0623540	5/8'	38	50	3.54'	50	46	40	SHYDC-0717	CSS-0812M	3.24
BT40SHYD0753740	3/4"	42	50	3.74'	52	50	43	SHYDC-0717	CSS-0815M	3.50
BT40SHYD1004500	1.0'	53		4.50'	59		46	SHYDC-0720	CSS-1015M	4.81
BT40SHYD1254700	1 1/4"	60		4.70'	60		51	HYDC-1020	CSS-1015M	5.45

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID} Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shrink Fit Adapters – Metric**



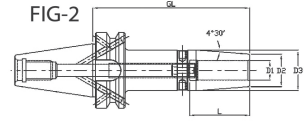
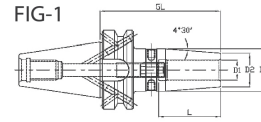
- Pre Balanced G2.5 @ 20,000 rpm
- Through tool holder coolant capability, Run out < 0,003mm (0,0001')
- Suitable for carbide & HSS Cutting tool, 10mm (3/8') axial adjustment.
- Order Example – BT40BSF06090M

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw	Wrench Sz.
BT40BSF06090M	1	6	20	27	90	36	1.15	BTTSS05014M	2.5mm
BT40BSF06130M	2	6	20	27	130	36	1.60	BTTSS05014M	2.5mm
BT40BSF06160M	2	6	20	27	160	36	1.45	BTTSS05014M	2.5mm
BT40BSF08090M	1	8	20	27	90	36	1.15	BTTSS06014M	3 mm
BT40BSF08130M	2	8	20	27	130	36	1.60	BTTSS06014M	3 mm
BT40BSF08160M	2	8	20	27	160	36	1.80	BTTSS06014M	3 mm
BT40BSF10090M	1	10	24	32	90	42	1.23	BTTSS08014M	4 mm
BT40BSF10130M	2	10	24	32	130	42	1.60	BTTSS08014M	4 mm
BT40BSF10160M	2	10	24	32	160	42	1.80	BTTSS08014M	4 mm
BT40BSF12090M	1	12	24	32	90	47	1.22	BTTSS10014M	5 mm
BT40BSF12130M	2	12	24	32	130	47	1.80	BTTSS10014M	5 mm
BT40BSF12160M	2	12	24	32	160	47	2.00	BTTSS10014M	5 mm
BT40BSF14090M	1	14	27	34	90	47	1.27	BTTSS10014M	5 mm
BT40BSF14130M	2	14	27	34	130	47	1.60	BTTSS10014M	5 mm
BT40BSF14160M	2	14	27	34	160	47	2.00	BTTSS10014M	5 mm
BT40BSF16090M	1	16	27	34	90	50	1.25	BTTSS12014M	6 mm
BT40BSF16130M	2	16	27	34	130	50	1.80	BTTSS12014M	6 mm
BT40BSF16160M	2	16	27	34	160	50	2.00	BTTSS12014M	6 mm
BT40BSF18090M	1	18	33	42	90	50	1.39	BTTSS12014M	6 mm
BT40BSF18130M	2	18	33	42	130	50	1.80	BTTSS12014M	6 mm
BT40BSF18160M	2	18	33	42	160	50	2.00	BTTSS12014M	6 mm
BT40BSF20090M	1	20	33	42	90	52	1.60	BTTSS16014M	8 mm
BT40BSF20130M	2	20	33	42	130	52	1.80	BTTSS16014M	8 mm
BT40BSF20160M	2	20	33	42	160	52	2.00	BTTSS16014M	8 mm
BT40BSF25100M	1	25	44	53	100	58	1.76	BTTSS16014M	8 mm
BT40BSF25130M	2	25	44	53	130	58	2.00	BTTSS16014M	8 mm
BT40BSF25160M	2	25	44	53	160	58	2.20	BTTSS16014M	8 mm
BT40BSF32105M	1	32	44	53	105	61	1.72	BTTSS16014M	8 mm

- Scope of Supply : Basic Tool Holder, Stop Screw
- Accessories Viz : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice



**Shrink Fit Adapters – Inches**



- Pre Balanced G2.5 @ 20,000 rpm
- Through tool holder coolant capability, Run out < 0,003mm (0,0001')
- Suitable for carbide & HSS Cutting tool, 10mm (3/8') axial adjustment.
- Order Example – BT40BSF06090M

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Lbs	Stop Screw	Wrench Sz.
BT40BSF025354	1	1/4	0.79	1.06	3.54	1.41	2.51	BTTSS05014M	2.5 mm
BT40BSF025630	2	1/4	0.79	1.06	6.30	1.41	3.19	BTTSS05014M	2.5 mm
BT40BSF031354	1	5/16	0.83	1.06	3.54	1.41	2.51	BTTSS06014M	3 mm
BT40BSF031630	2	5/16	0.79	1.06	6.30	1.41	3.19	BTTSS06014M	3 mm
BT40BSF038354	1	3/8	0.94	1.26	3.54	1.65	2.71	BTTSS08014M	4 mm
BT40BSF038630	2	3/8	0.94	1.26	6.30	1.65	3.63	BTTSS08014M	4 mm
BT40BSF044354	1	7/16	0.94	1.26	3.54	1.65	2.66	BTTSS10014M	5 mm
BT40BSF044630	2	7/16	0.94	1.26	3.54	1.65	3.63	BTTSS10014M	5 mm
BT40BSF050354	1	1/2	0.94	1.26	3.54	1.65	2.66	BTTSS10014M	5 mm
BT40BSF050630	2	1/2	0.94	1.26	6.30	1.65	3.61	BTTSS10014M	5 mm
BT40BSF056354	1	9/16	1.06	1.33	3.54	1.65	2.77	BTTSS10014M	5 mm
BT40BSF056630	2	9/16	1.06	1.33	6.30	1.65	3.85	BTTSS10014M	5 mm
BT40BSF062354	1	5/8	1.06	1.33	3.54	1.96	2.73	BTTSS12014M	6 mm
BT40BSF062630	2	5/8	1.06	1.33	6.30	1.96	3.81	BTTSS12014M	6 mm
BT40BSF068354	1	11/16	1.30	1.65	3.54	1.96	3.06	BTTSS12014M	6 mm
BT40BSF068630	2	11/16	1.30	1.65	6.30	1.96	4.53	BTTSS12014M	6 mm
BT40BSF075354	1	3/4	1.30	1.65	3.54	1.96	3.01	BTTSS16014M	8 mm
BT40BSF075630	2	3/4	1.30	1.65	6.30	1.96	4.49	BTTSS16014M	8 mm
BT40BSF088354	1	7/8	1.30	1.65	3.54	1.96	2.93	BTTSS16014M	8 mm
BT40BSF088630	2	7/8	1.30	1.65	6.30	1.96	4.40	BTTSS16014M	8 mm
BT40BSF100394	1	1.00	1.73	2.05	3.94	2.28	3.85	BTTSS16014M	8 mm
BT40BSF100630	2	1.00	1.73	2.05	6.30	2.28	5.96	BTTSS16014M	8 mm
BT40BSF125413	1	1 1/4	1.73	2.08	4.13	2.28	3.74	BTTSS16014M	8 mm
BT40BSF125630	2	1 1/4	1.73	2.08	6.30	2.28	5.68	BTTSS16014M	8 mm

- Suitable for Carbide cutting tool shank h6, axial adjustment stop screw 10 mm
- Dynamically Balanced to G2.5 @ 25,000 rpm available on request
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Shrink Fit adapter technical details refer (Page No.277 to 283)

- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shell Mill Adapters – Metric**



FIG-1

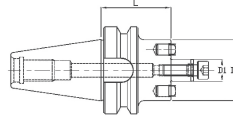
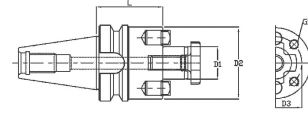


FIG-2



- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example – BT40SM16050M

Catalogue No	FIG	D1	D2	D3	L	G1	Wt. Kg	Lock Screw	Wrench	Drive Key
BT40SM16050M	1	16	44		50		1.30	BMS1294	6 mm	BKDK16M
BT40SM16100M	1	16	44		100		1.50	BMS1294	6 mm	BKDK16M
BT40SM16160M	1	16	44		160		1.60	BMS1294	6 mm	BKDK16M
BT40SM22055M	1	22	50		55		1.50	BMS1234	8 mm	BKDK22M
BT40SM22100M	1	22	50		100		1.80	BMS1234	8 mm	BKDK22M
BT40SM22160M	1	22	50		160		2.40	BMS1234	8 mm	BKDK22M
BT40SM27055M	2	27	50		55		1.50	BKLS27M	BSMW27M	BKDK27M
BT40SM27100M	2	27	50		100		2.90	BKLS27M	BSMW27M	BKDK27M
BT40SM27160M	2	27	50		160		3.20	BKLS27M	BSMW27M	BKDK27M
BT40SM32060M	2	32	78		60		2.20	BKLS32M	BSMW32M	BKDK32M
BT40SM32100M	2	32	78		100		3.10	BKLS32M	BSMW32M	BKDK32M
BT40SM32160M	2	32	78		160		3.40	BKLS32M	BSMW32M	BKDK32M
BT40SM40060M	2	40	89.30	66.70	60	M12-1.756H	3.60	BKLS40M	BSMW40M	BKDK40M
BT40SM40100M	2	40	89.30	66.70	100	M12-1.756H	4.00	BKLS40M	BSMW40M	BKDK40M
BT40SM40160M	2	40	89.30	66.70	160	M12-1.756H	4.50	BKLS40M	BSMW40M	BKDK40M

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

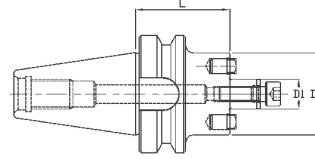
**BSMC Shell Mill Adapters – Metric**

- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example – BT40SM16050M

Catalogue No	FIG	D1	D2	D3	L	G1	Wt. Kg	Lock Screw	Wrench	Drive Key
BT40BSMC16045M	1	16	44		45		1.25	BMS1294	6 mm	BKDK16M
BT40BSMC16100M	1	16	44		100		1.50	BMS1294	6 mm	BKDK16M
BT40BSMC16160M	1	16	44		160		1.80	BMS1294	6 mm	BKDK16M
BT40BSMC22045M	1	22	50		45		1.45	BMS1234	8 mm	BKDK22M
BT40BSMC22100M	1	22	50		100		1.70	BMS1234	8 mm	BKDK22M
BT40BSMC22160M	1	22	50		160		1.90	BMS1234	8 mm	BKDK22M
BT40BSMC27045M	2	27	50		45		1.48	BKLS27M	BSMW27M	BKDK27M
BT40BSMC27100M	2	27	50		100		2.90	BKLS27M	BSMW27M	BKDK27M
BT40BSMC27160M	2	27	50		160		3.10	BKLS27M	BSMW27M	BKDK27M
BT40BSMC32050M	2	32	78		50		2.10	BKLS32M	BSMW32M	BKDK32M
BT40BSMC32100M	2	32	78		100		3.10	BKLS32M	BSMW32M	BKDK32M
BT40BSMC32160M	2	32	78		160		3.40	BKLS32M	BSMW32M	BKDK32M
BT40BSMC40055M	2	40	89.30	66.70	55	M12-1.756H	3.50	BKLS40M	BSMW40M	BKDK40M
BT40BSMC40100M	2	40	89.30	66.70	100	M12-1.756H	4.00	BKLS40M	BSMW40M	BKDK40M
BT40BSMC40160M	2	40	89.30	66.70	160	M12-1.756H	4.30	BKLS40M	BSMW40M	BKDK40M

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

## Shell Mill Adapters – Inch

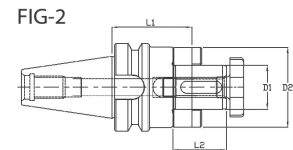
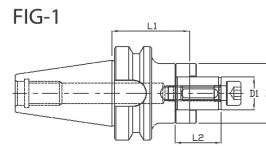


- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example - BT40SM050177

Catalogue No	D1	D2	L	Wt.Lbs	Lock Screw	Wrench	Drive Key
BT40SM050177	1/2	1.44	1.77	2.47	BKLS05	3/16	BKDK04
BT40SM050400	1/2	1.44	4.00	3.50	BKLS05	3/16	BKDK04
BT40SM075177	3/4	1.75	1.77	2.90	BKLS07	1/4	BKDK05
BT40SM075400	3/4	1.75	4.00	4.30	BKLS07	1/4	BKDK05
BT40SM075600	3/4	1.75	6.00	5.50	BKLS07	1/4	BKDK05
BT40SM100177	1.00	2.19	1.77	3.04	BKLS10	5/16	BKDK06
BT40SM100400	1.00	2.19	4.00	5.50	BKLS10	5/16	BKDK06
BT40SM100600	1.00	2.19	6.00	7.60	BKLS10	5/16	BKDK06
BT40SM125236	1.	2.88	2.36	4.82	BKLS12	5/16	BKDK08
BT40SM125500	1.	2.75	5.00	7.80	BKLS12	5/16	BKDK08
BT40SM150236	1.50	3.82	2.36	4.63	BKLS15	3/8	BKSA62PKG

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Combi Shell Mill Adapters – Metric**

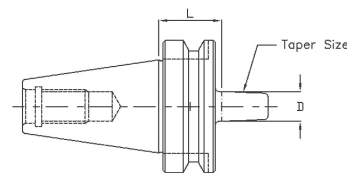


- Through the tool holder coolant capability
- Order Example – BT40CS16055M

Catalogue No	FIG	D1	D2	L1	L2	Wt.Kg.	Lock Screw	Wrench	Drive Ring	Drive Key
BT40CS16055M	1	16	32	55	27	1.20	BMS1294	6 mm	BCDR16M	BCDK16M
BT40CS16100M	1	16	32	100	27	1.50	BMS1294	6 mm	BCDR16M	BCDK16M
BT40CS16160M	1	16	32	160	27	1.80	BMS1294	6 mm	BCDR16M	BCDK16M
BT40CS22055M	1	22	40	55	31	1.30	BMS1234	8 mm	BCDR22M	BCDK22M
BT40CS22100M	1	22	40	100	31	1.20	BMS1234	8 mm	BCDR22M	BCDK22M
BT40CS22150M	1	22	40	150	31	1.60	BMS1234	8 mm	BCDR22M	BCDK22M
BT40CS27055M	2	27	48	55	33	1.50	BKLS27MPKG	BSMW27M	BCDR27M	BCDK27M
BT40CS27100M	2	27	48	100	33	2.30	BKLS27MPKG	BSMW27M	BCDR27M	BCDK27M
BT40CS27150M	2	27	48	150	33	2.80	BKLS27MPKG	BSMW27M	BCDR27M	BCDK27M
BT40CS32060M	2	32	58	60	38	1.90	BKLS32MPKG	BSMW32M	BCDR32M	BCDK32M
BT40CS32100M	2	32	58	100	38	3.20	BKLS32MPKG	BSMW32M	BCDR32M	BCDK32M
BT40CS32150M	2	32	70	150	38	3.60	BKLS32MPKG	BSMW32M	BCDR32M	BCDK32M
BT40CS40060M	2	40	70	60	14	4.00	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT40CS40100M	2	40	70	100	14	4.30	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT40CS40160M	2	40	70	160	14	4.50	BKLS40M	BSMW40M	BCDR40M	BCDK40M

- **Scope of Supply** : Basic Tool Holder, Lock Screw, Drive Key & Drive Ring
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)

**Jacobs Taper Adapters**

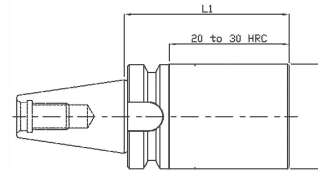


- Balance by-design
- Recommended for tools with a Jacobs internal taper.
- Order Example – BT40JT33045M
- No through-coolant capability.

Catalogue No	Taper Size	D	L	Wt.Kg
BT40JT33045M	33	15.88	45	1.12

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

## Boring Bar Blank

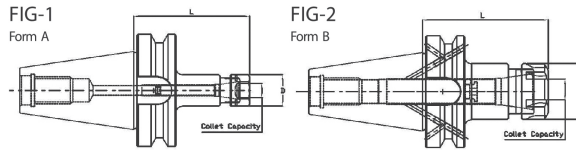


- Balance By Design, Machinable front end 20-30 HRC
- Order Example – BT40BB063280M

Catalogue No	D2	L1	Wt.Kg
BT40BB063280M	63	280	7.12
BT40BB104200M	104	200	11.77

- **Scope of Supply** : Basic Tool Holder Boring Bar Blank
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**ER Collet Chucks**

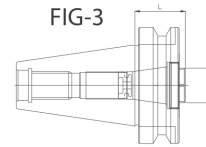
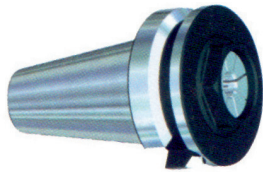


- Balanced by Design, Through tool holder coolant capability. Flange through coolant Form B/AD available on request
- Order Example – BT50ER16100M Order Example – BT50BER16100M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm, available on request
- Order Example – BT50ER16100M-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT50ER16080M	16ER	0.5 - 10	1	28	80	3.20	LNHER16M	OEW25M	BSS044038G
BT50ER16100M	16ER	0.5 - 10	1	28	100	3.20	LNHER16M	OEW25M	BSS044038G
BT50ER16100M	16ER	0.5 - 10	1	28	120	3.20	LNHER16M	OEW25M	BSS044038G
BT50ER16150M	16ER	0.5 - 10	1	28	160	3.60	LNHER16M	OEW25M	BSS044038G
BT50ER20100M	20ER	1 - 13	1	34	100	3.30	LNER20M	ER20WM	BSS056041G
BT50ER20160M	20ER	1 - 13	1	34	160	3.30	LNER20M	ER20WM	BSS056041G
BT50ER25070M	25ER	1 - 16	2	42	70	3.20	LNER25M	ER25WM	BSS075041G
BT50ER25100M	25ER	1 - 16	2	42	100	3.20	LNER25M	ER25WM	BSS075041G
BT50ER25150M	25ER	1 - 16	2	42	150	3.60	LNER25M	ER25WM	BSS075041G
BT50ER32070M	32ER	2 - 20	2	50	70	3.40	LNER32M	ER32WM	BSS094041G
BT50ER32100M	32ER	2 - 20	2	50	100	3.40	LNER32M	ER32WM	BSS094041G
BT50ER32150M	32ER	2 - 20	2	50	150	3.90	LNER32M	ER32WM	BSS094041G
BT50ER40080M	40ER	3 - 26	2	63	80	3.60	LNER40M	ER40WM	BSS112041G
BT50ER40100M	40ER	3 - 26	2	63	100	3.60	LNER40M	ER40WM	BSS112041G
BT50ER40150M	40ER	3 - 26	2	63	150	4.20	LNER40M	ER40WM	BSS112041G
BT50ER40160M	40ER	3 - 26	2	63	160	4.20	LNER40M	ER40WM	BSS112041G
BT50ER50100M	50ER	10 - 34	1	78	100	5.20	LNER50M	ER50WM	BSS112041G
BT50ER50160M	50ER	10 - 34	1	78	160	5.20	LNER50M	ER50WM	BSS112041G
BT50BER16080M	16ER	0.5 - 10	1	28	80	3.20	LNHER16M	OEW25M	BSS044038G
BT50BER16100M	16ER	0.5 - 10	1	28	100	3.20	LNHER16M	OEW25M	BSS044038G
BT50BER16120M	16ER	0.5 - 10	1	28	120	3.20	LNHER16M	OEW25M	BSS044038G
BT50BER16150M	16ER	0.5 - 10	1	28	150	3.60	LNHER16M	OEW25M	BSS044038G
BT50BER25070M	25ER	1 - 16	2	42	70	3.20	LNER25M	ER25WM	BSS075041G
BT50BER25100M	25ER	1 - 16	2	42	100	3.60	LNER25M	ER25WM	BSS075041G
BT50BER25150M	25ER	1 - 16	2	42	150	3.60	LNER25M	ER25WM	BSS075041G
BT50BER32070M	32ER	2 - 20	2	50	70	3.40	LNER32M	ER32WM	BSS094041G
BT50BER32100M	32ER	2 - 20	2	50	100	3.40	LNER32M	ER32WM	BSS094041G
BT50BER32150M	32ER	2 - 20	2	50	150	3.90	LNER32M	ER32WM	BSS094041G
BT50BER40080M	40ER	3 - 26	2	63	80	3.60	LNER40M	ER40WM	BSS112041G
BT50BER40100M	40ER	3 - 26	2	63	100	4.20	LNER40M	ER40WM	BSS112041G
BT50BER40150M	40ER	3 - 26	2	63	150	4.20	LNER40M	ER40WM	BSS112041G
BT50BER50100M	50ER	10 - 34	1	78	100	5.20	LNER50M	ER50WM	BSS112041G
BT50BER50160M	50ER	10 - 34	1	78	160	5.20	LNER50M	ER50WM	BSS112041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

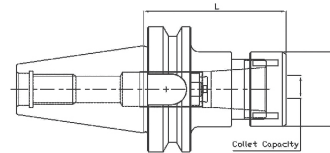
**SER Collet Chucks**



Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT50SER32046M	32ER	2 - 20	3	36	46	3.37	LNECSER32M	OEWS32M	BSS094041G
BT50SER40046M	40ER	3 - 26	3	46	46	3.19	LNECSER40M	OEWS168	BSS112041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**TG Collet Chucks**



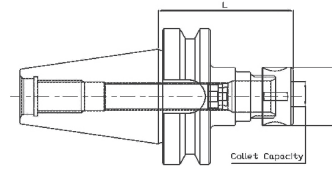
- Tremendous grip, Balanced by Design, Through tool holder coolant capability
- Order Example – BT50TG100090M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT50TG100090M-G2.5
- Flange through coolant Form B/AD available on request
- Order Example – BT50BTG100090M

Catalogue No	Collet Series	Collet Cap Min.-Max.	D	L	Wt. Kg.	Locknut	Wrench	Stop Screw
BT50TG100090M	100TG	2.6 – 25.5	60	90	3.90	LNA100M	BHSW58M	BSS112041G
BT50TG100150M	100TG	2.6 – 25.5	60	150	5.20	LNA100M	BHSW58M	BSS112041G
BT50TG100200M	100TG	2.6 – 25.5	60	200	5.90	LNA100M	BHSW58M	BSS112041G
BT50TG150100M	150TG	11.6 – 40	85	100	4.30	LNA150M	BHSW80M	BSS162062G
BT50TG150150M	150TG	11.6 – 40	85	150	6.30	LNA150M	BHSW80M	BSS162062G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately TG Collets (Page No.234-244), Wrench & Pull Stud (Page No. 252-253)



## DA Collet Chucks

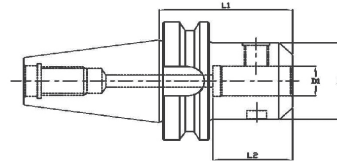


- Balanced by Design, Through tool holder coolant capability
- Order Example – BT50DA188070M
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT50DA188070M--G2.5
- Flange through coolant Form B/AD available on request
- Order Example – BT50BDA1880070M

Catalogue No	Collet Series	Collet Cap Min.-Max.	D	L	Wt. Kg	Locknut	Wrench	Stop Screw
BT50DA188070M	180DA	2-2-20	43	70	3.70	LNA188M	HSW45M	BSS081041G
BT50DA188150M	180DA	2-2-20	43	150	4.50	LNA188M	HSW45M	BSS081041G
BT50DA188200M	180DA	2-2-20	43	200	5.00	LNA188M	HSW45M	BSS081041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately DA Collets (Page No.245-246), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**End Mill Adapters – Metric**

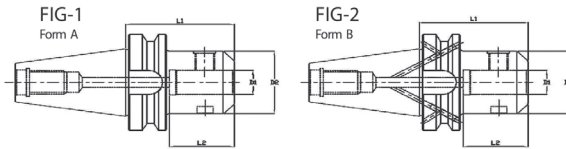


- Balanced by Design Through tool holder coolant capability Flange through coolant Form B/AD available on request
- Order Example – BT50EM06063M Order Example – BT50BEM06063M
- Dynamically balanced G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT50EM06063M-G2.5

Catalogue No	D1	D2	L1	L2	Wt. Kg	Clamping Screw	No of Clamp Screw	Wrench Allen Key
BT50EM06063M	6	25	63	119	3.57	BSS03M012	1	3 mm
BT50EM06100M	6	25	100	119	3.80	BSS03M012	1	3 mm
BT50EM06150M	6	25	150	206	3.57	BSS03M012	1	3 mm
BT50EM08063M	8	28	63	119	3.59	BSS03M014	1	4 mm
BT50EM08100M	8	28	100	119	3.70	BSS03M014	1	4 mm
BT50EM08150M	8	28	150	136	3.82	BSS03M014	1	4 mm
BT50EM10080M	10	35	80	156	3.88	BSS03M018	1	5 mm
BT50EM10100M	10	35	100	136	3.88	BSS03M018	1	5 mm
BT50EM10160M	10	35	160	136	3.90	BSS03M018	1	5 mm
BT50EM12080M	12	42	80	136	3.85	BSS03M023	1	6 mm
BT50EM12100M	12	42	100	136	4.00	BSS03M023	1	6 mm
BT50EM12160M	12	42	160	136	4.30	BSS03M023	1	6 mm
BT50EM14080M	14	42	80	136	3.90	BSS03M023	1	6 mm
BT50EM14100M	14	42	100	136	4.00	BSS03M023	1	6 mm
BT50EM14160M	14	42	160	136	4.50	BSS03M023	1	6 mm
BT50EM16080M	16	48	80	136	3.96	BSS03M025	1	6 mm
BT50EM16100M	16	48	100	136	4.50	BSS03M025	1	6 mm
BT50EM16160M	16	48	160	136	4.80	BSS03M025	1	6 mm
BT50EM20080M	20	52	80	136	4.01	BSS03M026	1	8 mm
BT50EM20100M	20	52	100	136	4.70	BSS03M026	1	8 mm
BT50EM20160M	20	52	160	136	5.00	BSS03M026	1	8 mm
BT50EM25105M	25	65	105	60	4.88	BSS03M027	2	10 mm
BT50EM25160M	25	65	160	60	5.60	BSS03M027	2	10 mm
BT50EM32105M	32	72	105	65	5.11	BSS03M029	2	10 mm
BT50EM32160M	32	72	160	65	5.90	BSS03M029	2	10 mm
BT50EM40120M	40	90	120	75	6.66	BSS03M029	2	10 mm
BT50EM40160M	40	90	160	75	7.00	BSS03M029	2	10 mm
BT50EM50130M	50	100	130	85	7.60	BWS24MPKG	2	12 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.
- All details are subject to change without notice

**End Mill Adapters – Metric**

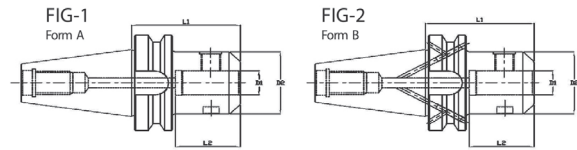


- Balanced by Design Through tool holder coolant capability Flange through coolant Form B/AD available on request
- Order Example – BT50EM06063M Order Example – BT50BEM06063M
- Dynamically balanced G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm available on request
- Order Example – BT50EM06063M-G2.5

Catalogue No	D1	D2	L1	L2	Wt. Kg	Clamping Screw	No of Clamp Screw	Wrench Allen Key
BT50BEM06063M	6	25	63	119	3.57	BSS03M012	1	3 mm
BT50BEM06150M	6	25	150	206	3.57	BSS03M012	1	3 mm
BT50BEM08063M	8	28	63	119	3.59	BSS03M014	1	4 mm
BT50BEM08150M	8	28	150	136	3.82	BSS03M014	1	4 mm
BT50BEM10080M	10	35	80	156	3.88	BSS03M018	1	5 mm
BT50BEM10100M	10	35	100	136	3.88	BSS03M018	1	5 mm
BT50BEM12080M	12	42	80	136	3.85	BSS03M023	1	6 mm
BT50BEM16080M	16	48	80	136	3.96	BSS03M025	1	6 mm
BT50BEM20080M	20	52	80	136	4.01	BSS03M026	1	8 mm
BT50BEM25105M	25	65	105	60	4.88	BSS03M027	2	10 mm
BT50BEM32105M	32	72	105	65	5.11	BSS03M029	2	10 mm
BT50BEM40120M	40	90	120	75	6.66	BSS03M029	2	10 mm
BT50BEM50130M	50	100	130	85	7.60	BWS24MPKG	2	12 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.
- All details are subject to change without notice

**End Mill Adapters – Inch.**

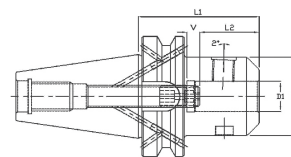


- Balanced by Design, Through tool holder coolant capability Flange through coolant Form B/AD available on request Order Example - BT40BEM025255
- Order Example - BT40EM025255
- Dynamically balanced to G6.3 @ 15,000 rpm & G2.5 at 20,000 rpm, available on request
- Order Example - BT40EM025255-G2.5

Catalogue No	D1	D2	L1	L2	Wt. Lbs	Clamping Screw	No of Clamp Screw	Wrench Allen Key
BT50EM050295	1/2	1.38	2.95	5.16	8.14	BELS044038PKG	1	7/32
BT50EM075295	3/4	1.75	2.95	5.16	8.36	BELS062050PKG	1	5/16
BT50EM100413	1	2.00	4.13	2.56	9.30	BELS075056PKG	2	3/8
BT50EM100600	1	2.00	6.00	4.30	10.54	BELS075056PKG	2	3/8
BT50EM125413	1 1/4	2.50	4.13	2.51	10.23	BELS075062PKG	2	3/8
BT50EM125600	1 1/4	2.50	6.00	2.51	12.54	BELS075062PKG	2	3/8
BT50EM150413	1 1/2	2.75	4.13	2.93	10.41	BELS075062PKG	2	3/8
BT50EM200531	2	3.75	5.31	3.53	16.00	BELS100088PKG	2	1/2

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.
- All details are subject to change without notice

**Whistle Notch Adapters – Metric**

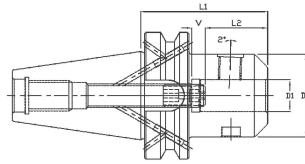


- Order Example – BT50BWN06063M, Through tool holder coolant capability
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm.available on request
- Order Example – BT50BWN06063M G2.5

Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
BT50BWN06063M	6	25	63	40	8	3.63.	BSS03M012	3 mm	B.571.060	2.5 mm
BT50BWN08063M	8	28	63	40	10	3.64.	BSS03M014	4 mm	B.571.067	3.0 mm
BT50BWN10063M	10	35	63	45	10	3.69.	BSS03M018	5 mm	B.571.068	4.0 mm
BT50BWN12080M	12	42	80	50	10	3.92.	BSS03M023	6 mm	B.571.074	5.0 mm
BT50BWN14080M	14	44	80	50	10	3.95.	BSS03M023	6 mm	B.571.074	5.0 mm
BT50BWN16080M	16	48	80	53	12	4.02.	BSS03M025	6 mm	B.571.075	6.0 mm
BT50BWN18080M	18	50	80	53	12	4.05.	BSS03M025	6 mm	B.571.075	6.0 mm
BT50BWN20080M	20	52	80	55	12	4.06.	BSS03M026	8 mm	B.571.076	6.0 mm
BT50BWN25100M	25	65	100	60	16	4.90	BSS03M027	10 mm	B.571.076	6.0 mm
BT50BWN32105M	32	72	105	64	16	5.20	BSS03M029	10 mm	B.571.076	6.0 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw & Stop Screw.
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Short Whistle Notch Adapters

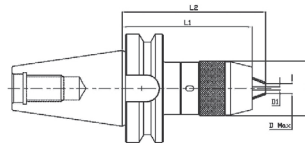


- Order Example – BT50BWN06063M, Through tool holder coolant capability
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm.available on request
- Order Example – BT50BWN06063M G2.5

Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
BT50BSWN25075M	25	65	75	60	16	4.60	BSS03M027	10 mm	B.571.066	10 mm
BT50BSWN32075M	32	72	75	64	16	4.80	BSS03M029	10 mm	B.571.066	10 mm

- **Scope of Supply** : Basic Tool Holder, Clamping Screw & Stop Screw.
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Drill Chucks

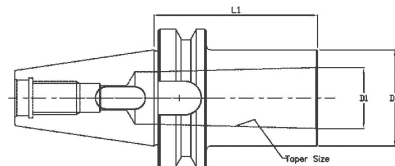


- Balance by-design,
- Order Example – BT50DC13110M

Catalogue No	D1 Min.-Max	D2	L1	L2	Wt. Kg	Wrench
BT50DC13110M	1 - 13	50.50	110.40	122.50	4.40	13S

- **Scope of Supply** : Basic Tool Holder & Wrench
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

### Morse Taper Adapters

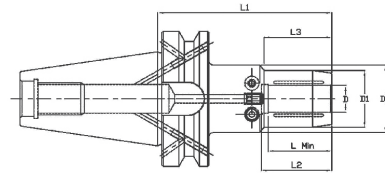


- Balance by-design, No through coolant capability, Form-AD
- Recommended for tools with a morse taper and tang
- Order Example – BT50MT1045M

Catalogue No	Taper Size	D1	D2	L1	Wt. Kg.
BT50MT5105M	5	44.40	70	105	4.50
BT50MT1045M	1	12.10	25	45	1.80
BT50MT2060M	2	17.80	32	60	3.20
BT50MT3065M	3	23.80	40	65	3.20
BT50MT4095M	4	31.30	48	95	3.50

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Hydraulic Chucks – Metric**

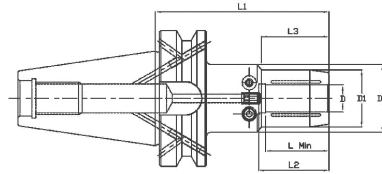


- Pre Balanced G2.5 @ 20,000 rpm
- holder coolant capability
- Pressurising media hydraulic OIL
- Order Example – BT40-SHYD06-080M

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. kg
BT50SHYD06090MO	6	26	50	90	38	24	23	SHYDC-0M10	CSS-0510M	3.00
BT50SHYD08090MO	8	28	50	90	38	24	24	SHYDC-0M10	CSS-0510M	3.00
BT50SHYD10095MO	10	30	50	95	40	26	30	SHYDC-0M10	CSS-0612M	3.00
BT50SHYD12100MO	12	32	50	100	45	40	36	SHYDC-0M10	CSS-0615M	3.00
BT50SHYD14100MO	14	34	50	100	45	40	40	SHYDC-0M10	CSS-0812M	3.00
BT50SHYD16105MO	16	38	50	105	50	46	40	SHYDC-0M10	CSS-0812M	3.00
BT50SHYD18105MO	18	40	50	105	52	50	43	SHYDC-0M10	CSS-0815M	3.00
BT50SHYD20105MO	20	42	50	105	52	50	43	SHYDC-0M10	CSS-0815M	3.00
BT50SHYD25115MO	25	53	63	115	59		46	SHYDC-0M10	CSS-1015M	4.00
BT50SHYD32120MO	32	60	63	120	60		51	HYDC-0M14	CSS-1015M	4.00
BT50SHYD40125MO	40	68		125	65		57	HYDC-0M14	CSS-1020M	4.20

- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Hydraulic Chucks – Inch**

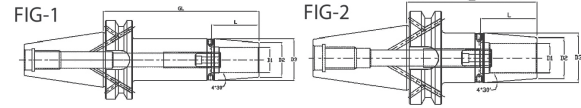


- Pre Balanced G2.5 @ 20,000 rpm
- holder coolant capability
- Pressurising media hydraulic OIL

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. kg
BT50SHYD0253540	1/4"	26	50	3.54"	38	24	23	SHYDC-0717	CSS-0510M	3.00
BT50SHYD0383740	3/8"	30	50	3.74"	40	26	30	SHYDC-0717	CSS-0612M	3.00
BT50SHYD0503940	1/2"	32	50	3.94"	45	40	36	SHYDC-0717	CSS-0615M	3.00
BT50SHYD0623940	5/8"	38	50	3.94"	50	46	40	SHYDC-0717	CSS-0812M	3.00
BT50SHYD0754130	3/4"	42	50	4.13"	52	50	43	SHYDC-0717	CSS-0815M	3.00
BT50SHYD1004530	1.0"	53	63	4.53"	59		46	SHYDC-0720	CSS-1015M	4.00
BT50SHYD1254720	1 1/4"	60	63	4.72"	60		51	HYDC-1020	CSS-1015M	4.00

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shrink Fit Adapters – Metric**



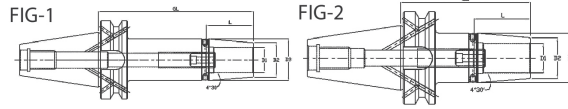
- Pre Balanced G2.5 @ 20,000 rpm
- Run out < 0,003mm ( 0,0001”), Suitable for carbide & HSS Cutting tool, 10mm ( 3/8”) axial adjustment.
- Order Example – BT50BSF06100M

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw	Wrench Sz.
BT50BSF06100M	1	6	21	27	100	36	3.74	BTTSS05014M	2.5 mm
BT50BSF06130M	2	6	21	27	130	36	3.95	BTTSS05014M	2.5 mm
BT50BSF06160M	2	6	21	27	160	36	4.21	BTTSS05014M	2.5 mm
BT50BSF08100M	1	8	21	27	100	36	3.68	BTTSS06014M	3 mm
BT50BSF08130M	2	8	21	27	130	36	3.95	BTTSS06014M	3 mm
BT50BSF08160M	2	8	21	27	160	36	4.21	BTTSS06014M	3 mm
BT50BSF10100M	1	10	24	32	100	42	3.76	BTTSS08014M	4 mm
BT50BSF10130M	2	10	24	32	130	42	3.95	BTTSS08014M	4 mm
BT50BSF10160M	2	10	24	32	160	42	4.25	BTTSS08014M	4 mm
BT50BSF12100M	1	12	24	32	100	47	3.76	BTTSS10014M	5 mm
BT50BSF12130M	2	12	24	32	130	47	3.90	BTTSS10014M	5 mm
BT50BSF12160M	2	12	24	32	160	47	4.20	BTTSS10014M	5 mm
BT50BSF14100M	1	14	27	34	100	47	3.81	BTTSS10014M	5 mm
BT50BSF14130M	2	14	27	34	130	47	4.25	BTTSS10014M	5 mm
BT50BSF14160M	2	14	27	34	160	47	4.50	BTTSS10014M	5 mm
BT50BSF16100M	1	16	27	34	100	50	3.79	BTTSS12014M	6 mm
BT50BSF16130M	2	16	27	34	130	50	4.25	BTTSS12014M	6 mm
BT50BSF16160M	2	16	27	34	160	50	4.50	BTTSS12014M	6 mm
BT50BSF18100M	1	18	33	42	100	50	3.93	BTTSS12014M	6 mm
BT50BSF18130M	2	18	33	42	130	50	4.50	BTTSS12014M	6 mm
BT50BSF18160M	2	18	33	42	160	50	3.93	BTTSS12014M	6 mm
BT50BSF20100M	1	20	33	42	100	52	3.90	BTTSS16014M	8 mm
BT50BSF20130M	2	20	33	42	130	52	4.50	BTTSS16014M	8 mm
BT50BSF20160M	2	20	33	42	160	52	4.80	BTTSS16014M	8 mm
BT50BSF25100M	1	25	44	53	100	58	4.18	BTTSS16014M	8 mm
BT50BSF25130M	2	25	44	53	130	58	4.50	BTTSS16014M	8 mm
BT50BSF25160M	2	25	44	53	160	58	4.25	BTTSS16014M	8 mm
BT50BSF32100M	1	32	44	53	100	62	4.04	BTTSS16014M	8 mm
BT50BSF32130M	2	32	44	53	130	62	4.30	BTTSS16014M	8 mm
BT50BSF32160M	2	32	44	53	160	62	4.50	BTTSS16014M	8 mm

- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice



**Shrink Fit Adapters – Inches**

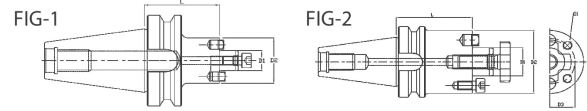


- Pre Balanced G2.5 @ 20,000 rpm
- Through tool holder coolant capability, Run out < 0,003mm (0,0001')
- Suitable for carbide & HSS Cutting tool, 10mm (3/8') axial adjustment.
- Order Example – BT40BSF06090M

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Lbs	Stop Screw	Wrench Sz.
BT50BSF025394	1	1/4	0.84	1.06	3.94	1.41	8.07	BTTSS05014M	2.5mm
BT50BSF025787	2	1/4	0.84	1.06	7.87	1.41	9.39	BTTSS05014M	2.5mm
BT50BSF031394	1	5/16	0.84	1.06	3.94	1.41	7.92	BTTSS06014M	3 mm
BT50BSF031787	2	5/16	0.84	1.06	7.87	1.41	9.32	BTTSS06014M	3 mm
BT50BSF038394	1	3/8	0.94	1.26	3.94	1.65	8.25	BTTSS08014M	4 mm
BT50BSF038787	2	3/8	0.94	1.26	7.87	1.65	9.88	BTTSS08014M	4 mm
BT50BSF044394	1	7/16	0.94	1.26	3.94	1.81	8.25	BTTSS10014M	5 mm
BT50BSF044787	2	7/16	0.94	1.26	7.87	1.81	9.86	BTTSS10014M	5 mm
BT50BSF050394	1	1/2	0.94	1.26	3.94	1.81	8.23	BTTSS10014M	5 mm
BT50BSF050787	2	1/2	0.94	1.26	6.30	1.65	9.83	BTTSS10014M	5 mm
BT50BSF056394	1	9/16	1.06	1.33	3.94	1.65	8.34	BTTSS10014M	5 mm
BT50BSF056787	2	9/16	1.06	1.33	7.87	1.65	9.86	BTTSS10014M	5 mm
BT50BSF062394	1	5/8	1.06	1.33	3.94	1.96	8.23	BTTSS12014M	6 mm
BT50BSF062787	2	5/8	1.06	1.33	7.87	1.96	9.83	BTTSS12014M	6 mm
BT50BSF068394	1	11/16	1.30	1.65	3.94	1.96	8.65	BTTSS12014M	6 mm
BT50BSF068787	2	11/16	1.30	1.65	7.87	1.96	11.20	BTTSS12014M	6 mm
BT50BSF075394	1	3/4	1.30	1.65	3.94	2.00	8.58	BTTSS16014M	8 mm
BT50BSF075787	2	3/4	1.30	1.65	7.87	2.00	10.93	BTTSS16014M	8 mm
BT50BSF088394	1	7/8	1.30	1.65	3.94	2.00	8.49	BTTSS16014M	8 mm
BT50BSF088787	2	7/8	1.30	1.65	7.87	2.00	10.82	BTTSS16014M	8 mm
BT50BSF100394	1	1.00	1.73	2.08	3.94	2.24	9.17	BTTSS16014M	8 mm
BT50BSF100787	2	1.00	1.73	2.08	7.87	2.24	11.82	BTTSS16014M	8 mm
BT50BSF125394	1	1 1/4	1.73	2.08	3.94	2.24	8.89	BTTSS16014M	8 mm
BT50BSF125787	2	1 1/4	1.73	2.08	7.87	2.40	12.72	BTTSS16014M	8 mm
BT50BSF150472	1	1 1/2	2.36	2.75	4.72	2.40	11.09	BTTSS20014M	10 mm
BT50BSF200472	1	2	2.72	3.11	4.72	2.59	11.11	BTTSS20014M	10 mm

- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Shrink Fit adapter technical details refer (Page No.277 to 283)
- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shell Mill Adapters – Metric**

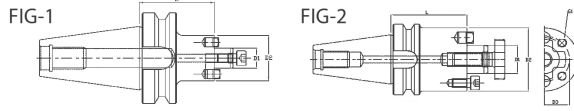


- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example – BT50SM16045M

Catalogue No	FIG	D1	D2	D3	L	G1	Wt.Kg	Lock Screw	Wrench	Drive Key
BT50SM16045M	1	16	44		45		3.60	BMS1294	6 mm	BKDK16M
BT50SM16100M	1	16	44		100		4.00	BMS1294	6 mm	BKDK16M
BT50SM16160M	1	16	44		160		4.20	BMS1294	6 mm	BKDK16M
BT50SM22045M	1	22	49		45		3.80	BMS1234	8 mm	BKDK22M
BT50SM22100M	1	22	49		100		4.50	BMS1234	8 mm	BKDK22M
BT50SM22150M	1	22	49		150		5.31	BMS1234	8 mm	BKDK22M
BT50SM22160M	1	22	49		160		4.60	BMS1234	8 mm	BKDK22M
BT50SM27045M	2	27	60		45		3.80	BKLS27M	BSMW27M	BKDK27M
BT50SM27060M	2	27	60		60		3.95	BKLS27M	BSMW27M	BKDK27M
BT50SM27100M	2	27	60		100		5.12	BKLS27M	BSMW27M	BKDK27M
BT50SM27150M	2	27	60		150		6.01	BKLS27M	BSMW27M	BKDK27M
BT50SM32045M	2	32	78		45		4.00	BKLS32M	BSMW32M	BKDK32M
BT50SM32100M	2	32	78		100		5.60	BKLS32M	BSMW32M	BKDK32M
BT50SM32150M	2	32	78		150		8.00	BKLS32M	BSMW32M	BKDK32M
BT50SM32160M	2	32	78		160		8.20	BKLS32M	BSMW32M	BKDK32M
BT50SM40050M	2	40	89	67.	50	M12-1.756H	4.50	BKLS40M	BSMW40M	BKDK40M
BT50SM40100M	2	40	89	67.	100	M12-1.756H	6.70	BKLS40M	BSMW40M	BKDK40M
BT50SM40150M	2	40	89	67.	150	M12-1.756H	9.40	BKLS40M	BSMW40M	BKDK40M
BT50SM40160M	2	40	89	67.	160	M12-1.756H	9.50	BKLS40M	BSMW40M	BKDK40M
BT50SM60090M	2	60	129	102.	90	M16-2.006H	8.50	BMS1242	14 mm	BKDK60M

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Shell Mill Adapters – Inch**



- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example – BT50SM16045M

Catalogue No	FIG	D1	D2	D3	L	G1	Wt.Lbs	Lock Screw	Wrench	Drive Key
BT50SM050177	1	1/2	1.44.		1.77		07.94	BKLS05	3/16	BKDK04
BT50SM050400	1	1/2	1.44.		4.00		08.92	BKLS05	3/16	BKDK04
BT50SM075177	1	3/4	1.75.		1.77		08.08	BKLS07	1/4	BKDK05
BT50SM075400	1	3/4	1.75.		4.00		09.56	BKLS07	1/4	BKDK05
BT50SM100177	1	1.00	2.19.		1.77		08.30	BKLS10	5/16	BKDK06
BT50SM100400	1	1.00	2.40.		4.00		11.06	BKLS10	5/16	BKDK06
BT50SM125177	1	1.25	2.88.		1.77		08.54	BKLS12	5/16	BKDK08
BT50SM125400	1	1.25	2.88.		4.00		12.80	BKLS12	5/16	BKDK08
BT50SM150177	1	1.50	3.81.		1.77		09.40	BKLS15	3/8	BKDK10
BT50SM150400	1	1.50	3.81.		4.00		16.60	BKLS15	3/8	BKDK10
BT50SM200236	1	2.00	4.13.		2.36		14.07	BLKS20	9/16	KSA75PKG
BT50SM200400	2	2.00	4.88.	4.0	4.00	5/8-11 UNC	19.32	BKLS20	9/16	BKDK12
BT50SM250236	2	2.50	4.88.	4.0	2.36	5/8-11 UNC	14.30	S388	1/2	BKDK16
BT50SM250400	2	2.50	4.88.	4.0	4.00	5/8- 11 UNC	20.20	S388	1/2	BKDK16

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**BSMC Shell Mill Adapters – Metric**

- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example – BT40SM16050M

Catalogue No	FIG	D1	D2	D3	L	G1	Wt. Kg	Lock Screw	Wrench	Drive Key
BT50BSMC16060M	1	16	44		60		3.70	BMS1294	6 mm	BKDK16M
BT50BSMC16100M	1	16	44		100		3.80	BMS1294	6 mm	BKDK16M
BT50BSMC16160M	1	16	44		160		4.00	BMS1294	6 mm	BKDK16M
BT50BSMC22060M	1	22	50		60		3.60	BMS1234	8 mm	BKDK22M
BT50BSMC22100M	1	22	50		100		4.50	BMS1234	8 mm	BKDK22M
BT50BSMC22160M	1	22	50		160		4.80	BMS1234	8 mm	BKDK22M
BT50BSMC27060M	2	27	50		60		3.95	BKLS27M	BSMW27M	BKDK27M
BT50BSMC27100M	2	27	50		100		5.12	BKLS27M	BSMW27M	BKDK27M
BT50BSMC27160M	2	27	50		160		6.00	BKLS27M	BSMW27M	BKDK27M
BT50BSMC32060M	2	32	78		60		4.20	BKLS32M	BSMW32M	BKDK32M
BT50BSMC32100M	2	32	78		100		5.60	BKLS32M	BSMW32M	BKDK32M
BT50BSMC32160M	2	32	78		160		8.10	BKLS32M	BSMW32M	BKDK32M
BT50BSMC40060M	2	40	89.30	66.70	60	M12-1.756H	4.60	BKLS40M	BSMW40M	BKDK40M
BT50BSMC40100M	2	40	89.30	66.70	100	M12-1.756H	6.70	BKLS40M	BSMW40M	BKDK40M
BT50BSMC40160M	2	40	89.30	66.70	160	M12-1.756H	9.50	BKLS40M	BSMW40M	BKDK40M

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Combi Shell Mill Adapters – Metric**



FIG-1

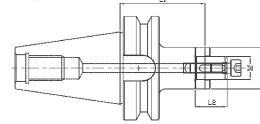
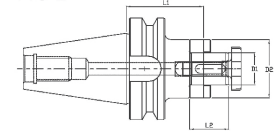


FIG-2

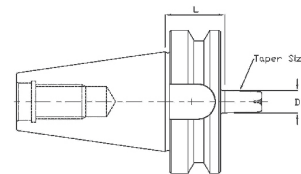


- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example – BT50CS16070M

Catalogue No	FIG	D1	D2	L1	L2	Wt.Kg.	Lock Screw	Wrench	Drive Ring	Drive Key
BT50CS16070M	1	16	32	70	27	4.00	BMS1294	6 mm	BCDR16M	BCDK16M
BT50CS16100M	1	16	32	100	27	4.20	BMS1294	6 mm	BCDR16M	BCDK16M
BT50CS16150M	1	16	32	150	27	4.50	BMS1294	6 mm	BCDR16M	BCDK16M
BT50CS22070M	1	22	40	70	31	4.20	BMS1234	8 mm	BCDR22M	BCDK22M
BT50CS22100M	1	22	40	100	31	4.40	BMS1234	8 mm	BCDR22M	BCDK22M
BT50CS22150M	1	22	40	150	31	4.70	BMS1234	8 mm	BCDR22M	BCDK22M
BT50CS22200M	1	22	40	200	31	5.30	BMS1234	8 mm	BCDR22M	BCDK22M
BT50CS27070M	2	27	48	70	33	4.20	BKLS27M	BSMW27M	BCDR27M	BCDK27M
BT50CS27100M	2	27	48	100	33	4.70	BKLS27M	BSMW27M	BCDR27M	BCDK27M
BT50CS27150M	2	27	48	150	33	5.00	BKLS27M	BSMW27M	BCDR27M	BCDK27M
BT50CS32070M	2	32	58	70	38	4.50	BKLS32M	BSMW32M	BCDR32M	BCDK32M
BT50CS32070M	2	32	58	100	38	5.20	BKLS32M	BSMW32M	BCDR32M	BCDK32M
BT50CS32150M	2	32	58	150	38	5.80	BKLS32M	BSMW32M	BCDR32M	BCDK32M
BT50CS40070M	2	40	70	70	41	5.00	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT50CS40070M	2	40	70	100	41	6.80	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT50CS40150M	2	40	70	150	41	7.30	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT50CS40200M	2	40	70	200	41	8.90	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT50CS50075M	2	50	90	75	46	7.90	BKLS50M	BSMW50M	BCDR50M	BCDK50M
BT50CS50150M	2	50	90	150	46	9.20	BKLS50M	BSMW50M	BCDR50M	BCDK50M

- **Scope of Supply** : Basic Tool Holder, Lock Screw, Drive Key & Drive Ring
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)

**Jacobs Taper Adapters**



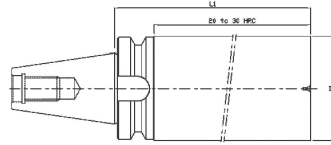
- Balance by-design, No through-coolant capability.
- Recommended for tools with a Jacobs internal taper.
- Order Example – BT50JT33041M

JT-BT Form-A

Catalogue No	Taper Size	D	L	Wt.Kg
BT50JT33041M	33	15.85	41.0	3.70

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

## Boring Bar Blank



- Balance By Design, Machinable front end 20-30 HRC
- Order Example – BT50BB104350M

Catalogue No	D2	L1	Wt.Kg
BT50BB080160M	80	160	10.33
BT50BB080200M	80	200	12.00
BT50BB080300M	80	300	15.80
BT50BB104350M	104	350	24.33
BT50BB134250M	134	250	26.54

- Scope of Supply : Basic Tool Holder Boring Bar Blank
- Accessories Viz : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**ER Collet Chucks Form AD**



FIG-1  
Form A

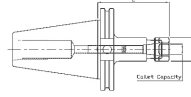
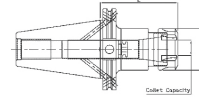


FIG-2  
Form B



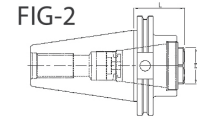
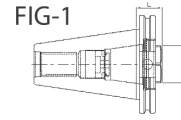
- Balanced by Design, Through tool holder coolant capability Flange through coolant Form B/AD Available
- Order Example – CV50ER16400 Order Example – CV50BER16250
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm. available on request
- Order Example – CV50ER160400-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV50ER16400	16ER	0.02 – 0.41	1	1.10	4.00	7.30	LNHER16M	OEW25M	BSS044038G
CV50ER16600	16ER	0.02 – 0.41	1	1.10	6.00	7.90	LNHER16M	OEW25M	BSS044038G
CV50ER20400	20ER	0.02 – 0.50	1	1.34	4.00	7.40	LNHER20M	OEW30M	BSS056041G
CV50ER20600	20ER	0.02 – 0.50	1	1.34	6.00	8.10	LNHER20M	OEW30M	BSS056041G
CV50ER25400	25ER	0.04 – 0.63	2	1.65	4.00	7.80	LNER25M	ER25WM	BSS075041G
CV50ER25600	25ER	0.04 – 0.63	2	1.65	6.00	8.80	LNER25M	ER25WM	BSS075041G
CV50ER32400	32ER	0.04 – 0.81	2	1.97	4.00	8.10	LNER32M	ER32WM	BSS094041G
CV50ER32600	32ER	0.04 – 0.81	2	1.97	6.00	9.50	LNER32M	ER32WM	BSS094041G
CV50ER40400	40ER	0.12 – 1.00	2	2.48	4.00	8.90	LNER40M	ER40WM	BSS112041G
CV50ER40600	40ER	0.12 – 1.00	2	2.48	6.00	11.80	LNER40M	ER40WM	BSS112041G

**ER Collet Chucks Form B/AD**

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV50BER16250	16ER	0.02 – 0.41	1	1.10	2.50	6.83	LNHER16M	OEW25M	BSS044038G
CV50BER16400	16ER	0.02 – 0.41	1	1.10	4.00	6.95	LNHER16M	OEW25M	BSS044038G
CV50BER16600	16ER	0.02 – 0.41	1	1.10	6.00	7.43	LNHER16M	OEW25M	BSS044038G
CV50BER20250	20ER	0.02 – 0.50	1	1.34	2.50	6.77	LNHER20M	OEW30M	BSS056041G
CV50BER20400	20ER	0.02 – 0.50	1	1.34	4.00	7.14	LNHER20M	OEW30M	BSS056041G
CV50BER20600	20ER	0.02 – 0.50	1	1.34	6.00	7.71	LNHER20M	OEW30M	BSS056041G
CV50BER25250	25ER	0.04 – 0.63	2	1.65	2.50	6.83	LNER25M	ER25WM	BSS075041G
CV50BER25400	25ER	0.04 – 0.63	2	1.65	4.00	7.53	LNER25M	ER25WM	BSS075041G
CV50BER25600	25ER	0.04 – 0.63	2	1.65	6.00	8.41	LNER25M	ER25WM	BSS075041G
CV50BER32275	32ER	0.04 – 0.81	2	1.97	2.75	6.89	LNER32M	ER32WM	BSS094041G
CV50BER32400	32ER	0.04 – 0.81	2	1.97	4.00	7.52	LNER32M	ER32WM	BSS094041G
CV50BER32600	32ER	0.04 – 0.81	2	1.97	6.00	9.13	LNER32M	ER32WM	BSS094041G
CV50BER40300	40ER	0.12 – 1.00	2	2.48	3.00	7.24	LNER40M	ER40WM	BSS112041G
CV50BER40600	40ER	0.12 – 1.00	2	2.48	6.00	10.50	LNER40M	ER40WM	BSS112041G

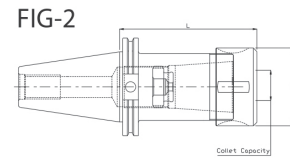
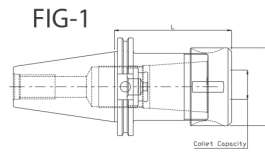
**ER Short – CV Form AD**



Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV50ZSER32106	32ER	0.08 – 0.81	1	1.	1.	5.	LNECER32M	OEW32M	BSS094041G
CV50ZSER40106	40ER	0.12 – 1.00	1	2.	1.	5.	LNECER40M	OEW168	BSS112041G
CV50SER32169	32ER	0.08 – 0.81	2	1.	2.	6.	LNECER32M	OEW32M	BSS094041G
CV50SER40169	40ER	0.12 – 1.00	2	2.	2.	6.	LNECER40M	OEW168	BSS112041G

- Scope of Supply : Basic Tool Holder, Locknut, Stop Screw
- Accessories Viz : To be ordered Separately ER Collets (Page No.222-233), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**TG Collet Chucks**



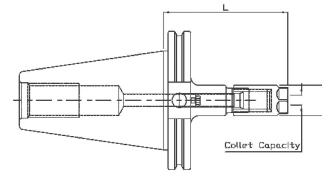
- Tremendous Grip, Balanced by Design Through tool holder Flange through coolant –Form B/AD coolant capability Order Example – CV50BTG075300G
- Order Example – CV50TG075279G
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm, available on request
- Order Example – CV50TG075279G-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Wt. Lbs	Locknut	Wrench	Stop Screw
CV50TG075279G	75TG	3/64 – 3/4	1	1.97	2.79	7.30	LNA075M	HSW45M	BSS081041G
CV50TG075300	75TG	3/64 – 3/4	2	2.09	3.00	7.30	NPA075M	OEW188M	BSS081041G
CV50TG075450	75TG	3/64 – 3/4	2	2.09	4.50	8.32	NPA075M	OEW188M	BSS081041G
CV50TG075579G	75TG	3/64 – 3/4	1	1.97	5.79	9.70	LNA075M	HSW45M	BSS081041G
CV50TG075600	75TG	3/64 – 3/4	2	2.09	6.00	9.70	NPA075M	OEW188M	BSS081041G
CV50TG075800G	75TG	3/64 – 3/4	1	1.97	8.00	11.50	LNA075M	HSW45M	BSS081041G
CV50TG0751000G	75TG	3/64 – 3/4	1	1.97	10.00	13.60	LNA075M	HSW45M	BSS081041G
CV50TG0751200G	75TG	3/64 – 3/4	1	1.97	12.00	16.50	LNA075M	HSW45M	BSS081041G
CV50TG100276G	100TG	5/64 - 1	1	2.36	2.76	7.10	LNA100M	HSW58M	BSS112041G
CV50TG100300	100TG	5/64 - 1	2	2.44	3.00	7.16	NPA100M	OEW225	BSS112041G
CV50TG100326G	100TG	5/64 - 1	1	2.36	3.26	7.61	LNA100M	HSW58M	BSS112041G
CV50TG100350	100TG	5/64 - 1	2	2.44	3.50	7.69	NPA100M	OEW225	BSS112041G
CV50TG100526G	100TG	5/64 - 1	1	2.36	5.26	9.50	LNA100M	HSW58M	BSS112041G
CV50TG100550	100TG	5/64 - 1	2	2.44	5.50	9.58	NPA100M	OEW225	BSS112041G
CV50TG100726G	100TG	5/64 - 1	1	2.36	7.26	11.60	LNA100M	HSW58M	BSS112041G
CV50TG100750	100TG	5/64 - 1	2	2.44	7.50	11.70	NPA100M	OEW225	BSS112041G
CV50TG150300	150TG	23/64 – 1 1/2	1	3.48	3.00	7.35	NPA150M	PSW350	BSS162062G
CV50TG150350	150TG	23/64 – 1 1/2	1	3.48	3.50	7.61	NPA150M	PSW350	BSS162062G
CV50TG150550	150TG	23/64 – 1 1/2	1	3.48	5.50	10.30	NPA150M	PSW350	BSS162062G
CV50TG150750	150TG	23/64 – 1 1/2	1	3.48	7.50	12.50	NPA150M	PSW350	BSS162062G
CV50BTG075300G	75TG	3/64 – 3/4	1	1.97	3.00	7.34	LNA075M	HSW45M	BSS081041G
CV50BTG075600G	75TG	3/64 – 3/4	1	1.97	6.00	9.54	LNA075M	HSW45M	BSS081041G
CV50BTG100300G	100TG	5/64 - 1	1	2.36	3.00	7.46	LNA100M	HSW58M	BSS112041G
CV50BTG100750G	100TG	5/64 - 1	1	2.36	7.50	11.80	LNA100M	HSW58M	BSS112041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately TG Collets (Page No.234-244), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice



**DA Collet Chucks**



- Balanced by Design, Through tool holder coolant capability Flange through coolant Form B/AD available on request
- Order Example – CV50DA188300, Order Example – CV50BDA188300
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm. available on request
- Order Example – CV50DA208300-G2.5

Catalogue No	Collet Series	Collet Cap Min.-Max.	D	L	Wt. Kg	Locknut	Wrench	Stop Screw
CV50DA188300	180DA	1/64 – 3/4	1.73	3.00	7.03	NPA188	OEW150	BSS081041G
CV50DA188600	180DA	1/64 – 3/4	1.73	6.00	8.21	NPA188	OEW150	BSS081041G

- **Scope of Supply** : Basic Tool Holder, Locknut, Stop Screw
- **Accessories Viz** : To be ordered Separately DA Collets (Page No.245-246), Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**End Mill Adapters – Inch.**



FIG-1  
Form A

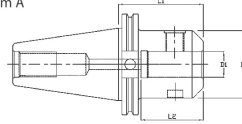
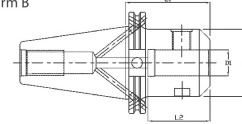


FIG-2  
Form B



- Balanced by Design Through tool holder coolant capability. Flange through coolant Form B/AD Available
- Order Example – CV50EM01825 Order Example – CV50BEM050462
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm. available on request
- Order Example – CV50EM018250-G2.5

Catalogue No	FIG	D1	D2	L1	L2	Wt. Lbs	Clamping Screw	No of lamp Screw	Wrench Allen Key
CV50EM018250	1	3/16	0.69	2.50	4.69	6.55	BS1045PKG	1	3/32
CV50EM018450	1	3/16	0.69	4.50	6.69	6.84	BS1045PKG	1	3/32
CV50EM018650	1	3/16	0.69	6.50	8.69	7.05	BS1045PKG	1	3/32
CV50EM025250	1	1/4	0.78	2.50	4.69	6.55	BELS025025PKG	1	1/8
CV50EM025450	1	1/4	0.78	4.50	6.69	7.17	BELS025025PKG	1	1/8
CV50EM025650	1	1/4	0.78	6.50	7.68	7.19	BELS025025PKG	1	1/8
CV50EM031250	1	5/16	1.00	2.50	4.69	6.61	BELS031031PKG	1	5/32
CV50EM031450	1	5/16	1.00	4.50	6.69	7.15	BELS031031PKG	1	5/32
CV50EM031650	1	5/16	1.00	6.50	8.69	7.60	BELS031031PKG	1	5/32
CV50EM038250	1	3/8	1.00	2.50	4.69	6.63	BELS038031PKG	1	3/16
CV50EM038450	1	3/8	1.00	4.50	6.69	7.07	BELS038031PKG	1	3/16
CV50EM038650	1	3/8	1.00	6.50	8.69	7.45	BELS038031PKG	1	3/16
CV50EM038850	1	3/8	1.00	8.50	10.70	8.27	BELS038031PKG	1	3/16
CV50EM044250	1	7/16	1.25	2.50	4.69	6.78	BELS044038PKG	1	7/32
CV50EM050262	1	1/2	1.38	2.62	4.81	6.82	BELS044038PKG	1	7/32
CV50EM050462	1	1/2	1.38	4.62	6.81	7.52	BELS044038PKG	1	7/32
CV50EM050662	1	1/2	1.38	6.62	8.81	8.21	BELS044038PKG	1	7/32
CV50EM050850	1	1/2	1.25	8.50	10.70	9.03	BELS044038PKG	1	7/32
CV50EM062375	1	5/8	1.63	3.75	5.94	7.53	BELS056038PKG	1	1/4
CV50EM062575	1	5/8	1.63	5.75	7.94	8.63	BELS056050PKG	1	1/4
CV50EM062775	1	5/8	1.63	7.75	9.94	9.48	BELS056050PKG	1	1/4
CV50EM075375	1	3/4	1.75	3.75	5.94	7.65	BELS062050PKG	1	5/16
CV50EM075575	1	3/4	1.75	5.75	7.94	8.67	BELS062050PKG	1	5/16
CV50EM075775	1	3/4	1.75	7.75	7.91	9.81	BELS062050PKG	1	5/16
CV50EM0751000	1	3/4	1.75	10.00	12.20	12.25	BELS062050PKG	1	5/16
CV50EM088375	1	7/8	2.00	3.75	4.19	7.65	BELS062050PKG	1	5/16
CV50EM088575	1	7/8	2.00	5.75	4.19	9.44	BELS062050PKG	1	5/16
CV50EM088775	1	7/8	2.00	7.75	4.19	10.85	BELS062050PKG	1	5/16

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.
- All details are subject to change without notice

**End Mill Adapters – Inch.**



FIG-1  
Form A

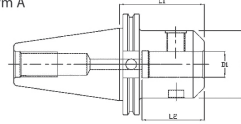
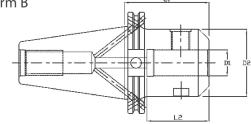


FIG-2  
Form B

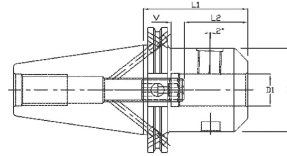


- Balanced by Design Through tool holder coolant capability. Flange through coolant Form B/AD Available
- Order Example – CV50EM01825 Order Example – CV50BEM050462
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm. available on request
- Order Example – CV50EM018250-G2.5

Catalogue No	FIG	D1	D2	L1	L2	Wt. Lbs	Clamping Screw	No of lamp Screw	Wrench Allen Key
CV50EM100400	1	1	2.00	4.00	4.43	7.95	BELS075056PKG	2	3/8
CV50EM100600	1	1	2.00	6.00	4.43	9.39	BELS075056PKG	2	3/8
CV50EM100800	1	1	2.00	8.00	4.43	10.80	BELS075056PKG	2	3/8
CV50EM1001000	1	1	2.00	10.00	4.43	13.68	BELS075056PKG	2	3/8
CV50EM125400	1	1 1/4	2.50	4.00	2.39	8.98	BELS075062PKG	2	3/8
CV50EM125600	1	1 1/4	2.50	6.00	2.39	11.42	BELS075062PKG	2	3/8
CV50EM125800	1	1 1/4	2.50	8.00	2.39	13.85	BELS075062PKG	2	3/8
CV50EM1251000	1	1 1/4	2.50	10.00	2.39	16.28	BELS075062PKG	2	3/8
CV50EM150400	1	1 1/2	2.75	4.00	2.82	9.19	BELS075069PKG	2	3/8
CV50EM150600	1	1 1/2	2.75	6.00	2.82	12.21	BELS075069PKG	2	3/8
CV50EM150800	1	1 1/2	2.75	8.00	2.82	15.25	BELS075069PKG	2	3/8
CV50EM200562	1	2	3.75	5.62	3.38	15.96	BELS100088PKG	2	1/2
CV50EM200762	1	2	3.75	7.62	3.38	19.01	BELS100088PKG	2	1/2
CV50EM200962	1	2	3.75	9.62	3.38	22.08	BELS100088PKG	2	1/2
CV50BEM050462	2	1/2	1.38	4.62	6.81	7.53	BELS044038PKG	1	7/32
CV50BEM062375	2	5/8	1.62	3.75	5.94	7.47	BELS056050PKG	1	1/4
CV50BEM075375	2	3/4	1.75	3.75	5.94	7.61	BELS062050PKG	1	5/16
CV50BEM100400	2	1	2.00	4.00	3.07	7.91	BELS075056PKG	2	3/8
CV50BEM125400	2	1 1/4	2.50	4.00	2.39	8.94	BELS075062PKG	2	3/8
CV50BEM150400	2	1 1/2	2.75	4.00	2.82	9.15	BELS075069PKG	2	3/8

- **Scope of Supply** : Basic Tool Holder, Clamping Screw
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- **Special Note** : BPTs Standard End Mill Holders are without axial stop screw thread provision. If required customer need to specify.
- All details are subject to change without notice

**Whistle Notch Adapters – Metric**

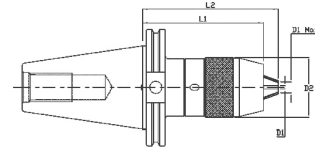


- Balance by design, Through the tool holder coolant capability
- Order Example – CV50BWN06M244
- Dynamically balanced to G6.3 @ 15,000 rpm, & G2.5 at 20,000 rpm.available on request
- Order Example – CV50BWN06M244G2.5

Catalogue No	D1	D2	L1	L2	V	Wt. Kg.	Clamp Screw	Allen Key	Stop Screw	Hex
CV50BWN06M244	6	25	62	30	10	3.14	BSS03M012	3mm	B.571.060	2.5mm
CV50BWN06M600	6	25	152	30	10	3.42	BSS03M012	3mm	B.571.060	2.5mm
CV50BWN08M244	8	28	62	30	10	3.16	BSS03M014	4mm	B.571.067	3 mm
CV50BWN08M600	8	28	152	30	10	3.53	BSS03M014	4mm	B.571.067	3 mm
CV50BWN10M244	10	35	62	35	10	3.20	BSS03M018	5mm	B.571.068	4 mm
CV50BWN10M600	10	35	152	35	10	3.93	BSS03M018	5mm	B.571.068	4 mm
CV50BWN12M264	12	42	67	40	10	3.30	BSS03M023	6mm	B.571.074	5 mm
CV50BWN12M600	12	42	152	40	10	4.14	BSS03M023	6mm	B.571.074	5 mm
CV50BWN14M264	14	44	67	40	10	3.33	BSS03M023	6mm	B.571.074	5 mm
CV50BWN14M600	14	44	152	40	10	4.34	BSS03M023	6mm	B.571.074	5 mm
CV50BWN16M275	16	48	70	43	10	3.40	BSS03M025	6mm	B.571.075	6 mm
CV50BWN16M600	16	48	152	43	10	4.60	BSS03M025	6mm	B.571.075	6 mm
CV50BWN18M275	18	50	70	43	10	3.41	BSS03M025	6mm	B.571.075	6 mm
CV50BWN18M600	18	50	152	43	10	4.60	BSS03M025	6mm	B.571.075	6 mm
CV50BWN20M275	20	52	70	45	10	3.40	BSS03M026	8mm	B.571.076	6 mm
CV50BWN20M600	20	52	152	45	10	4.71	BSS03M026	8mm	B.571.076	6 mm
CV50BWN25M375	25	65	95	50	10	4.20	BSS03M027	10mm	B.571.076	6 mm
CV50BWN25M600	25	65	152	50	10	5.54	BSS03M027	10mm	B.571.076	6 mm
CV50BWN32M388	32	72	99	54	10	4.50	BSS03M029	10mm	B.571.076	6 mm
CV50BWN32M600	32	72	152	54	10	6.06	BSS03M029	10mm	B.571.076	6 mm

- Scope of Supply : Basic Tool Holder, Clamping Screw & Stop Screw.
- Accessories Viz : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Drill Chucks

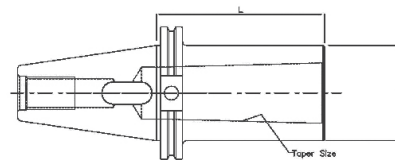


- Balance by-design, No through coolant capability
- Order Example – CV50DC13M421

Catalogue No	D1Min.-Max	D2	L1	L2	Wt. Lbs	Wrench
CV50DC13M421	0.39 – 0.512	1.98	4.04	4.50	7.85	13S

- **Scope of Supply** : Basic Tool Holder & Wrench
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

### Morse Taper Adapters

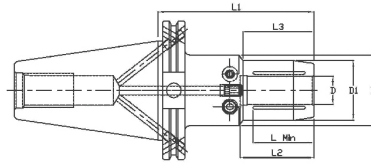


- Balance by-design, No through coolant capability
- Recommended for tools with a morse

Catalogue No	Taper Size	D	L	Wt.Lbs
CV50MT1150	1	2.75	1.50	6.77
CV50MT2200	2	2.75	2.00	7.43
CV50MT3250	3	1.57	2.50	6.73
CV50MT4388	4	1.89	3.38	6.90
CV50MT5375	5	2.75	3.75	7.55

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

**Hydraulic Chucks – Metric Form B/AD**

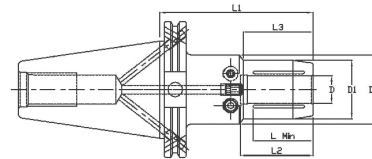


- Pre Balanced G2.5 @ 20,000 rpm
- holder coolant capability
- Pressurising media hydraulic OIL
- Order Example – BT40-SHYD06-080M

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. kg
CV50BSHYD06075MO	6	26	50	75	38	24	23	SHYDC-0M10	CSS-0510M	3.28
CV50BSHYD06090MO	6	26	50	90	38	24	23	SHYDC-0M10	CSS-0510M	3.48
CV50BSHYD06150MO	6	26	50	150	38	24	23	SHYDC-0M10	CSS-0510M	3.68
CV50BSHYD08075MO	8	28	50	75	38	24	24	SHYDC-0M10	CSS-0510M	3.35
CV50BSHYD08090MO	8	28	50	90	38	24	24	SHYDC-0M10	CSS-0510M	3.55
CV50BSHYD08150MO	8	28	50	150	38	24	24	SHYDC-0M10	CSS-0510M	3.73
CV50BSHYD10075MO	10	30	50	75	40	26	30	SHYDC-0M10	CSS-0612M	3.35
CV50BSHYD10095MO	10	30	50	95	40	26	30	SHYDC-0M10	CSS-0612M	3.54
CV50BSHYD10150MO	10	30	50	150	40	26	30	SHYDC-0M10	CSS-0612M	3.80
CV50BSHYD12080MO	12	32	50	80	45	40	36	SHYDC-0M10	CSS-0615M	3.35
CV50BSHYD12095MO	12	32	50	95	45	40	36	SHYDC-0M10	CSS-0615M	3.52
CV50BSHYD12150MO	12	32	50	150	45	40	36	SHYDC-0M10	CSS-0615M	3.85
CV50BSHYD14080MO	14	34	50	80	45	40	40	SHYDC-0M10	CSS-0812M	3.36
CV50BSHYD14100MO	14	34	50	100	45	40	40	SHYDC-0M10	CSS-0812M	3.56
CV50BSHYD14150MO	14	34	50	150	45	40	40	SHYDC-0M10	CSS-0812M	3.92
CV50BSHYD16085MO	16	38	50	85	50	46	40	SHYDC-0M10	CSS-0812M	3.45
CV50BSHYD16100MO	16	38	50	100	50	46	40	SHYDC-0M10	CSS-0812M	3.62
CV50BSHYD16150MO	16	38	50	150	50	46	40	SHYDC-0M10	CSS-0812M	4.08
CV50BSHYD18090MO	18	40	50	90	52	50	43	SHYDC-0M10	CSS-0815M	3.44
CV50BSHYD18100MO	18	40	50	100	52	50	43	SHYDC-0M10	CSS-0815M	3.64
CV50BSHYD18150MO	18	40	50	150	52	50	43	SHYDC-0M10	CSS-0815M	4.15
CV50BSHYD20090MO	20	42	50	90	52	50	43	SHYDC-0M10	CSS-0815M	3.50
CV50BSHYD20100MO	20	42	50	100	52	50	43	SHYDC-0M10	CSS-0815M	3.67
CV50BSHYD20150MO	20	42	50	150	52	50	43	SHYDC-0M10	CSS-0815M	4.23
CV50BSHYD25110MO	25	53		110	59		46	SHYDC-0720	CSS-1015M	4.20
CV50BSHYD32115MO	32	60		115	60		51	HYDC-1020	CSS-1015M	4.29

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Additional sizes special design are available on request
- Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
- **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Hydraulic Chucks – Inch Form B/AD**

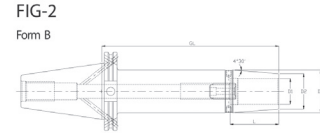
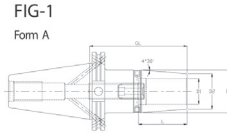
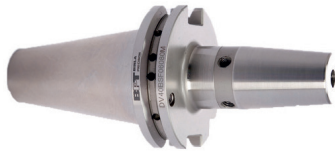


- Pre Balanced G2.5 @ 20,000 rpm
- holder coolant capability
- Pressurising media hydraulic OIL
- Order Example – BT40-SHYD06-080M

Catalogue No.	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw	Wt. Lbs
CV50BSHYD0253500	1/4"	26	50	3.50	38	24	23	SHYDC-0M10	CSS-0510M	7.67
CV50BSHYD0256000	1/4"	26	50	6.00	38	24	23	SHYDC-0M10	CSS-0510M	8.10
CV50BSHYD0383750	3/8	30	50	3.75	40	26	30	SHYDC-0M10	CSS-0612M	7.89
CV50BSHYD0386000	3/8	30	50	6.00	40	26	30	SHYDC-0M10	CSS-0612M	8.36
CV50BSHYD0503750	1/2"	32	50	3.75	45	40	36	SHYDC-0M10	CSS-0615M	7.83
CV50BSHYD0506000	1/2"	32	50	6.00	45	40	36	SHYDC-0M10	CSS-0615M	8.47
CV50BSHYD0624000	5/8	38	50	4.00	50	46	40	SHYDC-0M10	CSS-0812M	8.09
CV50BSHYD0626000	5/8	38	50	6.00	50	46	40	SHYDC-0M10	CSS-0812M	8.98
CV50BSHYD0754000	3/4"	42	50	4.00	52	50	43	SHYDC-0M10	CSS-0815M	8.20
CV50BSHYD0756000	3/4"	42	50	6.00	52	50	43	SHYDC-0M10	CSS-0815M	9.33
CV50BSHYD1004620	1.0	53		4.62	59		46	SHYDC-0720	CSS-1015M	9.17
CV50BSHYD1254620	1 1/4"	60		4.62	60		51	HYDC-1020	CSS-1015M	9.57

- Suitable for Carbide & HSS cutting tool shank h6, axial adjustment stop screw 10 mm
  - Run-out accuracy less than or equal to 0.003 mm
  - For automatic tool change
  - Additional Shank diameter can be clamped using intermediate sleeves (Page No.247)
  - Bore for data carrier (RFID) Hole as an option again request (Page No.261)
  - Additional sizes special design are available on request
  - Hydraulic Chucks technical details refer (Page No.268 to 274)
- **Scope of Supply** : Basic Tool Holder, Pressure Screw, Stop Screw & Allen key
  - **Accessories Viz** : To be ordered Separately Hydraulic Accessories (Page No. 247-250), Pull Stud (Page No. 252-254)
  - All details are subject to change without notice

**Shrink Fit Holder**



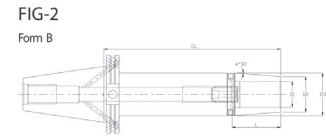
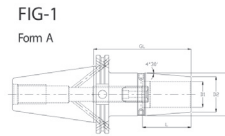
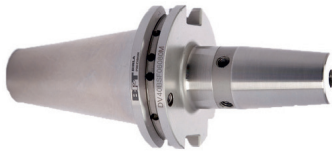
- Pre Balanced G2.5 @ 20,000 rpm
- Through the tool holder coolant capability, Order Example – CV50BSF06M800
- Suitable for carbide & HSS Cutting tool,
- Runout < 0,003mm (0,0001”), 10mm (3/8”) axial adjustment.

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
CV50BSF06M350	1	6	21	27	89	36	3.10	BTTSS05014M
CV50BSF06M800	2	6	21	27	203	36	3.66	BTTSS05014M
CV50BSF08M350	1	8	21	27	89	36	3.08	BTTSS06014M
CV50BSF08M800	2	8	21	27	203	36	3.66	BTTSS06014M
CV50BSF10M375	1	10	24	32	95	42	3.25	BTTSS08014M
CV50BSF10M800	2	10	24	32	203	42	3.89	BTTSS08014M
CV50BSF12M375	1	12	24	32	95	47	3.18	BTTSS10014M
CV50BSF12M800	2	12	24	32	203	47	3.88	BTTSS10014M
CV50BSF14M375	1	14	27	34	95	47	3.22	BTTSS10014M
CV50BSF14M800	2	14	27	34	203	47	3.99	BTTSS10014M
CV50BSF16M375	1	16	27	34	95	50	3.22	BTTSS12014M
CV50BSF16M800	2	16	27	34	203	50	3.96	BTTSS12014M
CV50BSF18M400	1	18	33	42	102	50	3.43	BTTSS12014M
CV50BSF18M800	2	18	33	42	203	50	4.52	BTTSS12014M
CV50BSF20M400	1	20	33	42	102	52	3.37	BTTSS16014M
CV50BSF20M800	2	20	33	42	203	52	4.45	BTTSS16014M
CV50BSF25M400	1	25	44	53	102	58	3.69	BTTSS16014M
CV50BSF25M800	2	25	44	53	203	58	5.47	BTTSS16014M
CV50BSF32M400	1	32	44	53	102	62	3.55	BTTSS16014M
CV50BSF32M800	1	32	44	53	203	62	5.29	BTTSS16014M

- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Shrink Fit adapter technical details refer (Page No.277 to 283)
- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice



**Shrink Fit Holder – CV FORM AD**

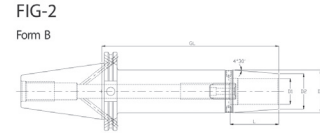
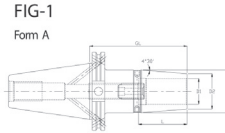


- Pre Balanced G2.5 @ 20,000 rpm
- Through the tool holder coolant capability, Order Example – CV50BSF06M800
- Suitable for carbide & HSS Cutting tool,
- Runout < 0,003mm (0,0001”), 10mm (3/8”) axial adjustment.

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Kg	Stop Screw
CV50SF06M350	1	6	21	27	89	36	3.13	BTTSS05014M
CV50SF08M350	1	8	21	27	89	36	3.12	BTTSS06014M
CV50SF10M375	1	10	24	32	95	42	3.21	BTTSS08014M
CV50SF12M375	1	12	24	32	95	47	3.20	BTTSS10014M
CV50SF14M375	1	14	27	34	95	47	3.25	BTTSS10014M
CV50SF16M375	1	16	27	34	95	50	3.21	BTTSS12014M
CV50SF18M400	1	18	33	42	102	50	3.42	BTTSS12014M
CV50SF20M400	1	20	34	42	102	52	3.37	BTTSS16014M
CV50SF25M400	1	25	44	53	102	58	3.68	BTTSS16014M
CV50SF32M400	1	32	44	53	102	62	3.53	BTTSS16014M

- Run-out accuracy less than or equal to 0.003 mm
- For automatic tool change
- Bore for data carrier (RFID) Hole as an option again request (Page No.261)
- Shrink Fit adapter technical details refer (Page No.277 to 283)
- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shrink Fit Adapters – Inches**

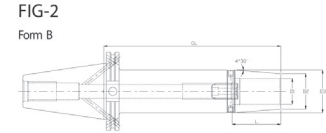
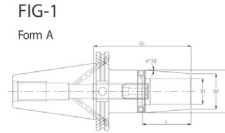
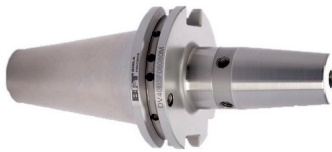


- Pre Balanced G2.5 @ 20,000 rpm
- Through tool holder coolant capability, Run out < 0,003mm (0,0001')
- Suitable for carbide & HSS Cutting tool, 10mm (3/8') axial adjustment.
- Order Example – BT40BSF06090M

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Lbs	Stop Screw
CV50BSF025350	1	1/4	0.83	1.06	3.50	1.41	6.83	BTTSS05014M
CV50BSF025800	2	1/4	0.83	1.06	8.00	1.41	8.09	BTTSS05014M
CV50BSF031350	1	5/16	0.83	1.06	3.50	1.41	6.82	BTTSS06014M
CV50BSF031800	2	5/16	0.83	1.06	8.00	1.41	8.08	BTTSS06014M
CV50BSF038375	1	3/8	0.94	1.26	3.75	1.61	7.01	BTTSS08014M
CV50BSF038800	2	3/8	0.94	1.26	8.00	1.61	8.59	BTTSS08014M
CV50BSF044375	1	7/16	0.94	1.26	3.75	1.81	7.02	BTTSS10014M
CV50BSF044800	2	7/16	0.94	1.26	8.00	1.81	8.57	BTTSS10014M
CV50BSF050375	1	1/2	0.94	1.26	3.75	1.81	6.99	BTTSS10014M
CV50BSF050800	2	1/2	0.94	1.26	8.00	1.81	8.54	BTTSS10014M
CV50BSF056375	1	9/16	1.06	1.34	3.75	1.81	7.10	BTTSS10014M
CV50BSF056800	2	9/16	1.06	1.34	8.00	1.85	8.78	BTTSS10014M
CV50BSF062375	1	5/8	1.06	1.34	3.75	1.93	6.00	BTTSS12014M
CV50BSF062800	2	5/8	1.06	1.34	8.00	1.93	8.74	BTTSS12014M
CV50BSF068400	1	11/16	1.30	1.65	4.00	1.93	7.50	BTTSS12014M
CV50BSF068800	2	11/16	1.30	1.65	8.00	1.93	9.89	BTTSS12014M
CV50BSF075400	1	3/4	1.30	1.65	4.00	2.00	7.44	BTTSS16014M
CV50BSF075800	2	3/4	1.30	1.65	8.00	2.00	9.83	BTTSS16014M
CV50BSF088400	1	7/8	1.30	1.65	4.00	2.00	7.35	BTTSS16014M
CV50BSF088800	2	7/8	1.30	1.65	8.00	2.00	9.74	BTTSS16014M
CV50BSF100400	1	1.00	1.73	2.08	4.00	2.40	8.09	BTTSS16014M
CV50BSF100800	2	1.00	1.73	2.08	8.00	2.40	12.00	BTTSS16014M
CV50BSF125400	1	1 1/4	1.73	2.08	4.00	2.40	7.79	BTTSS16014M
CV50BSF125800	2	1 1/4	1.73	2.08	8.00	2.40	11.68	BTTSS16014M
CV50BSF150450	1	1 1/2	2.36	2.75	4.50	2.40	9.82	BTTSS20014M
CV50BSF200450	2	2.00	2.72	3.11	4.50	2.59	10.08	BTTSS20014M

- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shrink Fit Adapters – CV FORM AD**

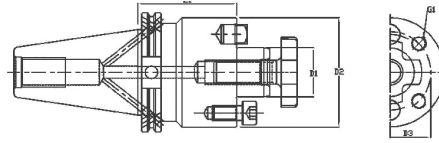


- Pre Balanced G2.5 @ 20,000 rpm
- Through tool holder coolant capability, Run out < 0,003mm (0,0001')
- Suitable for carbide & HSS Cutting tool, 10mm (3/8') axial adjustment.
- Order Example – BT40BSF06090M

Catalogue No	FIG	D1	D2	D3	GL	L	Wt.Lbs	Stop Screw
CV50SF025350	3	1/4	0.83	1.06	3.50	1.41	6.88	BTTSS05014M
CV50SF025800	3	1/4	0.83	1.06	6.00	1.41	8.22	BTTSS05014M
CV50SF031350	3	5/16	0.83	1.06	3.50	1.41	6.88	BTTSS06014M
CV50SF031800	3	5/16	0.83	1.06	6.00	1.41	8.22	BTTSS06014M
CV50SF038375	3	3/8	0.94	1.26	3.75	1.61	7.10	BTTSS08014M
CV50SF038800	3	3/8	0.94	1.26	6.00	1.61	8.75	BTTSS08014M
CV50SF044375	3	7/16	0.94	1.26	3.75	1.81	7.06	BTTSS08014M
CV50SF044800	3	7/16	0.94	1.26	6.00	1.81	8.73	BTTSS08014M
CV50SF050375	3	1/2	0.94	1.26	3.75	1.81	7.03	BTTSS08014M
CV50SF050800	3	1/2	0.94	1.26	6.00	1.81	8.71	BTTSS08014M
CV50SF056375	3	9/16	1.06	1.34	3.75	1.81	7.14	BTTSS08014M
CV50SF056800	3	9/16	1.06	1.34	6.00	1.85	9.04	BTTSS08014M
CV50SF062375	3	5/8	1.06	1.34	3.75	1.93	7.08	BTTSS12014M
CV50SF062800	3	5/8	1.06	1.34	6.00	1.93	8.91	BTTSS12014M
CV50SF068400	3	11/16	1.30	1.65	4.00	1.93	7.56	BTTSS12014M
CV50SF068800	3	11/16	1.30	1.65	6.00	1.93	10.14	BTTSS12014M
CV50SF075400	3	3/4	1.30	1.65	4.00	2.00	7.52	BTTSS16014M
CV50SF075800	3	3/4	1.30	1.65	6.00	2.00	9.88	BTTSS16014M
CV50SF088400	3	7/8	1.30	1.65	4.00	2.00	7.36	BTTSS16014M
CV50SF088800	3	7/8	1.30	1.65	6.00	2.00	9.79	BTTSS16014M
CV50SF100400	3	1.00	1.73	2.08	4.00	2.24	8.09	BTTSS16014M
CV50SF100800	3	1.00	1.73	2.08	6.00	2.24	12.04	BTTSS16014M
CV50SF125400	3	1 1/4	1.73	2.08	4.00	2.24	7.81	BTTSS16014M
CV50SF125800	3	1 1/4	1.73	2.08	6.00	2.24	11.75	BTTSS16014M

- **Scope of Supply** : Basic Tool Holder, Stop Screw
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-254)
- All details are subject to change without notice

**Shell Mill Adapters – Inch**

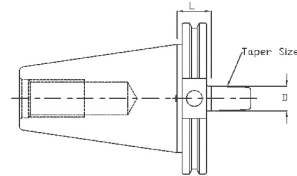


- Balanced by Design, Through the tool holder coolant capability
- Order Example – CV50SM050150

Catalogue No	D1	D2	D 4	L	G	Wt Lbs	Lock Screw	Allen Key	Drive Key
CV50SM050150	1/2	2.75		1.50		6.82	BKLS05	3/16	BKDK04
CV50SM050350	1/2	1.44		3.50		7.54	BKLS05	3/16	BKDK04
CV50SM050550	1/2	1.44		5.50		8.64	BKLS05	3/16	BKDK04
CV50SM075150	3/4	2.75		1.50		6.88	BKLS07	1/4	BKDK05
CV50SM075350	3/4	1.75		3.50		8.34	BKLS07	1/4	BKDK05
CV50SM075550	3/4	1.75		5.50		9.70	BKLS07	1/4	BKDK05
CV50SM075700	3/4	1.75		7.00		11.00	BKLS07	1/4	BKDK05
CV50SM075900	3/4	1.75		9.00		12.43	BKLS07	1/4	BKDK05
CV50SM100200	1	2.19		2.00		7.37	BKLS10	5/16	BKDK06
CV50SM100400	1	2.40		4.00		9.97	BKLS10	5/16	BKDK06
CV50SM100600	1	2.40		6.00		12.46	BKLS10	5/16	BKDK06
CV50SM100800	1	2.19		8.00		14.03	BKLS10	5/16	BKDK06
CV50SM1001000	1	2.19		10.00		17.12	BKLS10	5/16	BKDK06
CV50SM125150	1 1/4	2.75		1.50		7.18	BKLS12	5/16	BKDK08
CV50SM125350	1 1/4	2.75		3.50		10.31	BKLS12	5/16	BKDK08
CV50SM125550	1 1/4	2.75		5.50		13.45	BKLS12	5/16	BKDK08
CV50SM125700	1 1/4	2.75		7.00		15.68	BKLS12	5/16	BKDK08
CV50SM125900	1 1/4	2.75		9.00		18.77	BKLS12	5/16	BKDK08
CV50SM150240	1 1/2	3.38		2.40		9.71	BKLS15	3/8	BKDK10
CV50SM150400	1 1/2	3.38		4.00		12.27	BKLS15	3/8	BKDK10
CV50SM150600	1 1/2	3.38		6.00		15.27	BKLS15	3/8	BKDK10
CV50SM150800	1 1/2	3.38		8.00		18.29	BKLS15	3/8	BKDK10
CV50SM200240	2	4.88	4.00	2.40	5/8-11UNC	12.07	BKLS20	9/16	BKDK12
CV50SM200400	2	4.88	4.00	4.00	5/8-11UNC	15.07	BKLS20	9/16	BKDK12
CV50SM200600	2	4.88	4.00	6.00	5/8-11UNC	18.07	BKLS20	9/16	BKDK12
CV50SM200800	2	4.88	4.00	8.00	5/8-11UNC	22.30	BKLS20	9/16	BKDK12
CV50SM250240	2 1/2	4.88	4.00	2.40	5/8-11UNC	12.49		1/2	BKDK16
CV50SM250400	2 1/2	4.88	4.00	4.00	5/8-11UNC	16.24		1/2	BKDK16

- **Scope of Supply** : Basic Tool Holder, Lock Screw & Drive Key
- **Accessories Viz** : To be ordered Separately Wrench & Pull Stud (Page No. 252-253)
- All details are subject to change without notice

### Jacobs Taper Adapters

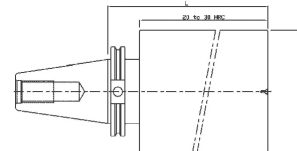


- Balance by-design, No through-coolant capability.
- Recommended for tools with a Jacobs internal taper.
- Order Example – CV50JT3268

Catalogue No	Taper Size	D	L	Wt.Lbs
CV50JT3268	3	0.812	2.68	6.97

- **Scope of Supply** : Basic Tool Holder
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)

### Boring Bar Blank

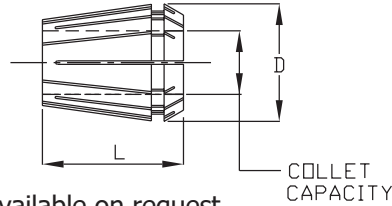
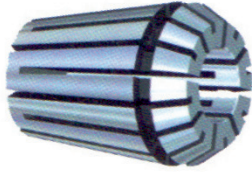


- Balance By Design, Machinable front end 20-30 HRC, 1"- 8 UNC Draw Bar Thread.
- Order Example – CV50BB400120

Catalogue No	D	L	Wt.Lbs
CV50BB400120	4,00"	12,00"	44.56
CV50BB400600	4,00"	6,00"	23.23
CV50BB600120	6,00"	12,00"	91.40
CV50BB600600	6,00"	6,00"	43.50

- **Scope of Supply** : Basic Tool Holder Boring Bar Blank
- **Accessories Viz** : To be ordered Separately Pull Stud (Page No. 252-253)
- All details are subject to change without notice

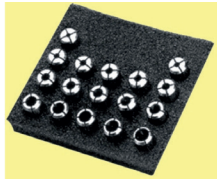
**ER Series Collets – Metric**



- Manufactured to DIN 6499, Accuracy Bonded Collets are available on request.
- to-DIN 6499 Class II, Wide clamping range, Lock Nuts to be ordered separately
- Max.Collapse =1mm      • Order Example – 16ER010M

Collet Capacity Max - Min	ER-16 D=17 L=27.5 Catalogue No	ER-20 D=21 L=31.5 Catalogue No	ER-25 D=26 L=34 Catalogue No	ER-32 D=33 L=40 Catalogue No	ER-40 D=41 L= 46 Catalogue No
1.0 – 0.5	16ER010M	20ER010M			
1.5 – 1.0	16ER015M	20ER015M			
2.0 – 1.0	16ER020M	20ER020M	25ER020M		
2.5 – 1.5	16ER025M	20ER025M	25ER025M		
3.0 – 2.0	16ER030M	20ER030M	25ER030M	32ER030M	
3.5 – 2.5	16ER035M	20ER035M	25ER035M	32ER035M	
4.0 – 3.0	16ER040M	20ER040M	25ER040M	32ER040M	40ER040M
4.5 – 3.5	16ER045M	20ER045M	25ER045M	32ER045M	40ER045M
5.0 – 4.0	16ER050M	20ER050M	25ER050M	32ER050M	40ER050M
5.5 – 4.5	16ER055M	20ER055M	25ER055M	32ER055M	40ER055M
6.0 – 5.0	16ER060M	20ER060M	25ER060M	32ER060M	40ER060M
6.5 – 5.5	16ER065M	20ER065M	25ER065M	32ER065M	40ER065M
7.0 – 6.0	16ER070M	20ER070M	25ER070M	32ER070M	40ER070M
7.5 – 6.5	16ER075M	20ER075M	25ER075M	32ER075M	40ER075M
8.0 – 7.0	16ER080M	20ER080M	25ER080M	32ER080M	40ER080M
8.5 – 7.5	16ER085M	20ER085M	25ER085M	32ER085M	40ER085M
9.0 – 8.0	16ER090M	20ER090M	25ER090M	32ER090M	40ER090M
9.5 – 8.5	16ER095M	20ER095M	25ER095M	32ER095M	40ER095M
10.0 – 9.0	16ER100M	20ER100M	25ER100M	32ER100M	40ER100M
11.0 – 10.0		20ER110M	25ER110M	32ER110M	40ER110M
12.0 – 11.0		20ER120M	25ER120M	32ER120M	40ER120M
13.0 – 12.0		20ER130M	25ER130M	32ER130M	40ER130M
14.0 – 13.0			25ER140M	32ER140M	40ER140M
15.0 – 14.0			25ER150M	32ER150M	40ER150M
16.0 – 15.0			25ER160M	32ER160M	40ER160M
17.0 – 16.0				32ER170M	40ER170M
18.0 – 17.0				32ER180M	40ER180M
19.0 – 18.0				32ER190M	40ER190M
20.0 – 19.0				32ER200M	40ER200M
21.0 – 20.0					40ER210M
22.0 – 21.0					40ER220M
23.0 – 22.0					40ER230M
24.0 – 23.0					40ER240M
25.0 – 24.0					40ER250M
26.0 – 25.0					40ER260M

**ER Series Collets – Metric Set**

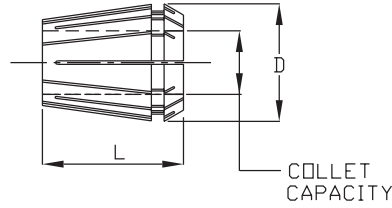
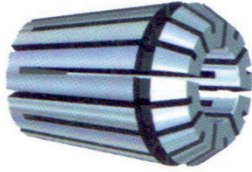


- Manufactured to DIN 6499, Accuracy to-
- Accuracy to-DIN 6499 Class II, Wide clamping range,
- Max.Collapse =1mm
- Order Example – 16ERS000M

CATALOGUE NO	1-WOODEN TRAY CONSIST OF NO. - PIECES FROM – TO DIA. INCREMENTS.
16ERS000M	10-Pieces, 1.00mm to 10.00mm, 1.00mm Increments
20ERS000M	12-Pieces, 2.00mm to 13.00mm, 1.00mm Increments
25ERS000M	15-Pieces, 2.00mm to 16.00mm, 1.00mm Increments
32ERS000M	18-Pieces, 3.00mm to 20.00mm, 1.00mm Increments
40ERS000M	23-Pieces, 4.00mm to 26mm, 1.00mm Increments

- To Deliver Best effective results BPT Recommend, BPTs ER Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

**ER Series Collets – Inch**



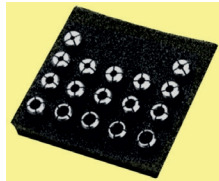
- Manufactured to DIN 6499, Accuracy to-DIN 6499 Class II
- Wide clamping range, Max.Collapse =0.04"
- Order Example – 16ER0062

Fraction	Collet Capacity	ER-16 D=0.669" L=1.083	ER-20 D=0.827" L=1.240	ER-25 D=1.024" L=1.339	ER-32 D=1.299" L=1.575	ER-40 D=1.614" L=1.811
1/16	0.0625-0.0225	16ER0062	20ER0062	25ER0062		
3/32	0.0938-0.0538	16ER0094	20ER0094	25ER0094		
1/8	0.1250-0.0850	16ER0125	20ER0125	25ER0125	32ER0125	40ER0125
5/32	0.1563-0.1163	16ER0156	20ER0156	25ER0156	32ER0156	40ER0156
3/16	0.1875-0.1475	16ER0188	20ER0188	25ER0188	32ER0188	40ER0188
7/32	0.2188-0.1788	16ER0219	20ER0219	25ER0219	32ER0219	40ER0219
1/4	0.2500-0.2100	16ER0250	20ER0250	25ER0250	32ER0250	40ER0250
9/32	0.2813-0.2413	16ER0281	20ER0281	25ER0281	32ER0281	40ER0281
5/16	0.3125-0.2725	16ER0312	20ER0312	25ER0312	32ER0312	40ER0312
11/32	0.3438-0.3038	16ER0344	20ER0344	25ER0344	32ER0344	40ER0344
3/8	0.3750-0.3350	16ER0375	20ER0375	25ER0375	32ER0375	40ER0375
13/32	0.4063-0.3663	16ER0406	20ER0406	25ER0406	32ER0406	40ER0406
7/16	0.4375-0.3975		20ER0438	25ER0438	32ER0438	40ER0438
15/32	0.4688-0.4288		20ER0469	25ER0469	32ER0469	40ER0469
1/2	0.5000-0.4600		20ER0500	25ER0500	32ER0500	40ER0500
17/32	0.5313-0.4913			25ER0531	32ER0531	40ER0531
9/16	0.5625-0.5225			25ER0562	32ER0562	40ER0562
19/32	0.5938-0.5538			25ER0594	32ER0594	40ER0594
5/8	0.6250-0.5850			25ER0625	32ER0625	40ER0625
21/32	0.6563-0.6163				32ER0656	40ER0656
11/16	0.6875-0.6475				32ER0688	40ER0688
23/32	0.7188-0.6788				32ER0719	40ER0719
3/4	0.7500-0.7100				32ER0750	40ER0750
25/32	0.7813-0.7413				32ER0781	40ER0781
13/16	0.8125-0.7725				32ER0812	40ER0812
27/32	0.8438-0.8038					40ER0844
7/8	0.8750-0.8350					40ER0875
29/32	0.9063-0.8663					40ER0906
15/16	0.9375-0.8975					40ER0938
31/32	0.9688-0.9288					40ER0969
1	1.0000-0.9600					40ER1000

- To Deliver Best effective results BPT Recommend, BPTs ER Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice



**ER Series Collets Set – Inch**

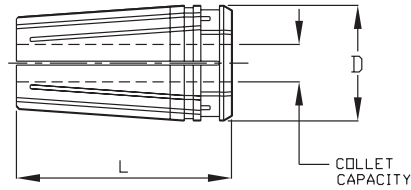
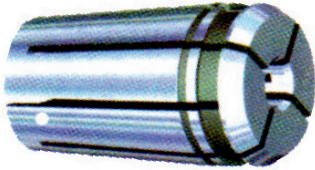


- Manufactured to DIN 6499, Accuracy to-
- DIN 6499 Class II, Wide clamping range,
- Max.Collapse =0.04"
- Order Example – 16ERS000SET2

CATALOGUE NO	1-WOODEN TRAY CONSIST OF NO.-PIECES FROM – TO DIA. INCREMENTS.
16ERS000SET2	12-Pieces, 1/16"-13/32", 1/32" Increments
20ERS000SET1	8-Pieces, 1/16"-1/2", 1/16" Increments
20ERS000SET2	15-Pieces, 1/16"-1/2", 1/32" Increments
25ERS000SET1	10-Pieces, 1/16"-5/8", 1/16" Increments
25ERS000SET2	19-Pieces, 1/16"-5/8", 1/32" Increments
32ERS000SET1	12-Pieces, 1/8"-13/16", 1/16" Increments
32ERS000SET2	23-Pieces, 1/8"-13/16", 1/32" Increments
40ERS000SET1	15-Pieces, 1/8"-1", 1/16" Increments
40ERS000SET2	29-Pieces, 1/8"-1", 1/32" Increments

- To Deliver Best effective results BPT Recommend, BPTs ER Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

**TG75 Series Collets - Metric**

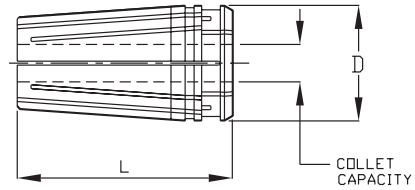
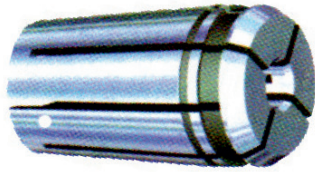


- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy
- Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.4mm
- Order Example – 75TG030M

Collet Capacity Max - Min	75TG Standard D = 26.98, L= 46.84 Catalogue No	75TGC Coolant - Bonded D = 26.98, D = 46.84 Catalogue No
3.00	75TG030M	
3.50	75TG035M	
4.00	75TG040M	
4.50	75TG045M	
5.00	75TG050M	
5.50	75TG055M	
6.00	75TG060M	75TGC060M
6.50	75TG065M	
7.00	75TG070M	
7.50	75TG075M	
8.00	75TG080M	75TGC080M
8.50	75TG085M	
9.00	75TG090M	
9.50	75TG095M	
10.00	75TG100M	75TGC100M
10.50	75TG105M	
11.00	75TG110M	
11.50	75TG115M	
12.00	75TG120M	75TGC120M
12.50	75TG125M	
13.00	75TG130M	
13.50	75TG135M	
14.00	75TG140M	75TGC140M
14.50	75TG145M	
15.00	75TG150M	
15.50	75TG155M	
16.00	75TG160M	75TGC160M
16.50	75TG165M	
17.00	75TG170M	
17.50	75TG175M	
18.00	75TG180M	75TGC180M
18.50	75TG185M	
19.00	75TG190M	
19.50	75TG195M	
20.00	75TG200M	75TGC200M

- To Deliver Best effective results BPT Recommend, BPTs ER Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the Collet nominal size.
- All details are subject to change without notice

**TG75 Series Collets – Inch**

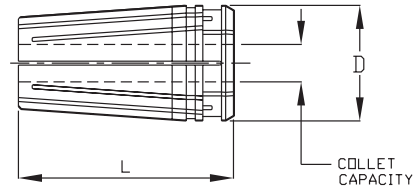
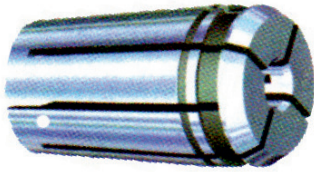


- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy. Grips on back taper and Margin max feed rate and more accurate hole. Max Collapse 0.016"
- Order Example – 75TG0062

Max Collet - Min Capacity	75TG Standard D = 0.768, L= 1.438 Catalogue No	75TGC Coolant - Bonded D = 0.768, D = 1.438 Catalogue No
1/16	75TG0062	
5/64	75TG0078	
3/32	75TG0094	
7/64	75TG0109	
1/8	75TG0125	
9/64	75TG0141	
5/32	75TG0156	
11/64	75TG0172	
3/16	75TG0188	
13/64	75TG0203	
7/32	75TG0219	
15/64	75TG0234	
1/4	75TG0250	75TGC0250
17/64	75TG0266	75TGC0266
9/32	75TG0281	75TGC0281
19/64	75TG0297	75TGC0297
5/16	75TG0312	75TGC0312
21/64	75TG0328	75TGC0328
11/32	75TG0344	75TGC0344
23/64	75TG0359	75TGC0359
3/8	75TG0375	75TGC0375
25/64	75TG0391	75TGC0391
13/32	75TG0406	75TGC0406
27/64	75TG0422	75TGC0422
7/16	75TG0438	75TGC0438
29/64	75TG0453	75TGC0453
15/32	75TG0469	75TGC0469
31/64	75TG0484	75TGC0484
1/2	75TG0500	75TGC0500
33/64	75TG0516	75TGC0516
17/32	75TG0531	75TGC0531
35/64	75TG0547	75TGC0547
9/16	75TG0562	75TGC0562
37/64	75TG0578	75TGC0578
19/32	75TG0594	75TGC0594
39/64	75TG0609	75TGC0609
5/8	75TG0625	75TGC0625
41/64	75TG0641	75TGC0641
21/32	75TG0656	75TGC0656
43/64	75TG0672	75TGC0672
11/16	75TG0688	75TGC0688

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**TG75 Series Collets – Inch**

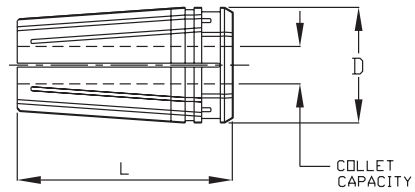
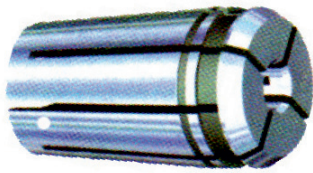


- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy. Grips on back taper and Margin max feed rate and more accurate hole. Max Collapse 0.016"
- Order Example – 75TG0062

Max Collet - Min Capacity	75TG Standard D = 0.768, L= 1.438 Catalogue No	75TGC Coolant - Bonded D = 0.768, D = 1.438 Catalogue No
45/64	75TG0703	75TGC0703
23/32	75TG0719	75TGC0719
47/64	75TG0734	75TGC0734
3/4	75TG0750	75TGC0750

- To Deliver Best effective results BPT Recommend, BPTs TG Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

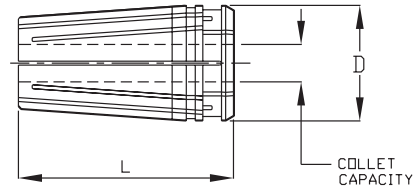
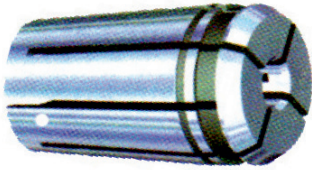
**TG100 Series Collets – Metric**



- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.4mm
- Order Example – 100TG030M

Collet Capacity Max - Min	100TG Standard D = 35.03 L= 60.33 Catalogue No	100TGC Coolant - Bonded D = 35.03 D = 60.33 Catalogue No
3.00	100TG030M	
3.50	100TG035M	
4.00	100TG040M	
4.50	100TG045M	
5.00	100TG050M	
5.50	100TG055M	
6.00	100TG060M	100TGC060M
6.50	100TG065M	
7.00	100TG070M	
7.50	100TG075M	
8.00	100TG080M	100TGC080M
8.50	100TG085M	
9.00	100TG090M	
9.50	100TG095M	
10.00	100TG100M	100TGC100M
10.50	100TG105M	
11.00	100TG110M	
11.50	100TG115M	
12.00	100TG120M	100TGC120M
12.50	100TG125M	
13.00	100TG130M	
13.50	100TG135M	
14.00	100TG140M	100TGC140M
14.50	100TG145M	
15.00	100TG150M	
15.50	100TG155M	
16.00	100TG160M	100TGC160M
16.50	100TG165M	
17.00	100TG170M	
17.50	100TG175M	
18.00	100TG180M	100TGC180M
18.50	100TG185M	
19.00	100TG190M	
19.50	100TG195M	
20.00	100TG200M	100TGC200M
20.50	100TG205M	
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22.00	100TG220M	
22.50	100TG225M	

**TG100 Series Collets – Metric**

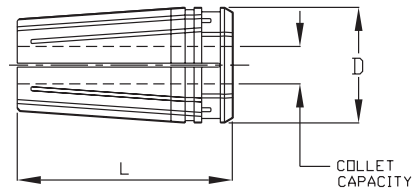
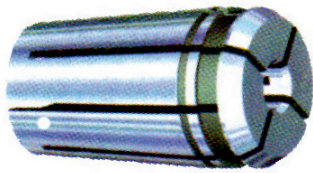


- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.4mm
- Order Example – 100TG030M

Collet Capacity Max - Min	100TG Standard D = 35.03 L= 60.33 Catalogue No	100TGC Coolant - Bonded D = 35.03 D = 60.33 Catalogue No
23.00	100TG230M	
23.50	100TG235M	
24.00	100TG240M	
24.50	100TG245M	
25.00	100TG250M	100TGC250M
25.50	100TG255M	100TGC250M

- To Deliver Best effective results BPT Recommend, BPTs TG Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

**TG100 Series Collets – Inch**

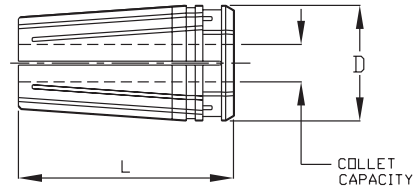
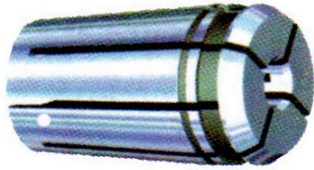


- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy. Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.016"
- Order Example – 100TG0094

Collet Capacity Max - Min	100TG Standard D = 1.379, L = 2.375 Catalogue No	100TGC Coolant - Bonded D = 1.379, D = 2.375 Catalogue No
3/32	100TG0094	
7/64	100TG0109	
1/8	100TG0125	
9/64	100TG0141	
5/32	100TG0156	
11/64	100TG0172	
3/16	100TG0188	
13/64	100TG0203	
7/32	100TG0219	
15/64	100TG0234	
1/4	100TG0250	100TGC0250
17/64	100TG0266	100TGC0266
9/32	100TG0281	100TGC0281
19/64	100TG0297	100TGC0297
5/16	100TG0312	100TGC0312
21/64	100TG0328	100TGC0328
11/32	100TG0344	100TGC0344
23/64	100TG0359	100TGC0359
3/8	100TG0375	100TGC0375
25/64	100TG0391	100TGC0391
13/32	100TG0406	100TGC0406
27/64	100TG0422	100TGC0422
7/16	100TG0438	100TGC0438
29/64	100TG0453	100TGC0453
15/32	100TG0469	100TGC0469
31/64	100TG0484	100TGC0484
1/2	100TG0500	100TGC0500
33/64	100TG0516	100TGC0516
17/32	100TG0531	100TGC0531
35/64	100TG0547	100TGC0547
9/16	100TG0562	100TGC0562
37/64	100TG0578	100TGC0578
19/32	100TG0594	100TGC0594
39/64	100TG0609	100TGC0609
5/8	100TG0625	100TGC0625
41/64	100TG0641	100TGC0641
21/32	100TG0656	100TGC0656
43/64	100TG0672	100TGC0672
11/16	100TG0688	100TGC0688
45/64	100TG0703	100TGC0703

TG COLLET

**TG100 Series Collets – Inch**



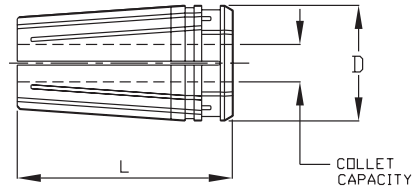
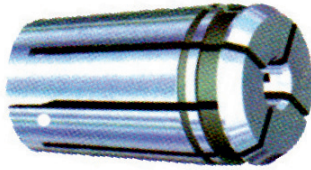
- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy. Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.016"
- Order Example – 100TG0094

Collet Capacity Max - Min	100TG Standard D = 1.379, L= 2.375 Catalogue No	100TGC Coolant - Bonded D = 1.379, D = 2.375 Catalogue No
23/32	100TG0719	100TGC0719
47/64	100TG0734	100TGC0734
3/4	100TG0750	100TGC0750
49/64	100TG0766	100TGC0766
25/32	100TG0781	100TGC0781
51/64	100TG0797	100TGC0797
13/16	100TG0812	100TGC0812
53/64	100TG0828	100TGC0828
27/32	100TG0844	100TGC0844
55/64	100TG0859	100TGC0859
7/8	100TG0875	100TGC0875
57/64	100TG0891	100TGC0891
29/32	100TG0906	100TGC0906
59/64	100TG0922	100TGC0922
15/16	100TG0938	100TGC0938
61/64	100TG0953	100TGC0953
31/32	100TG0969	100TGC0969
63/64	100TG0984	100TGC0984
1	100TG1000	100TGC1000

- To Deliver Best effective results BPT Recommend, BPTs TG Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice



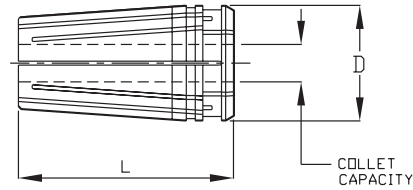
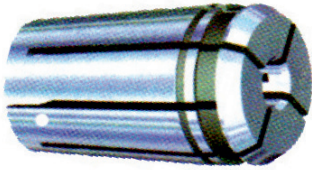
**TG150 Series Collets – Metric**



- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy. Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.4mm
- Order Example – 150TG120M

Collet Capacity	150TG Standard D = 50.83 L = 70.26 Catalogue No
12.00	150TG120M
12.50	150TG125M
13.00	150TG130M
13.50	150TG135M
14.00	150TG140M
14.50	150TG145M
15.00	150TG150M
15.50	150TG155M
16.00	150TG160M
16.50	150TG165M
17.00	150TG170M
17.50	150TG175M
18.00	150TG180M
18.50	150TG185M
19.00	150TG190M
19.50	150TG195M
20.00	150TG200M
20.50	150TG205M
21.00	150TG210M
21.50	150TG215M
22.00	150TG220M
22.50	150TG225M
23.00	150TG230M
23.50	150TG235M
24.00	150TG240M
24.50	150TG245M
25.00	150TG250M
25.50	150TG255M
26.00	150TG260M
26.50	150TG265M
27.00	150TG270M
27.50	150TG275M
28.00	150TG280M
28.50	150TG285M
29.00	150TG290M
29.50	150TG295M
30.00	150TG300M
30.50	150TG305M
31.00	150TG310M
31.50	150TG315M

**TG150 Series Collets – Metric**

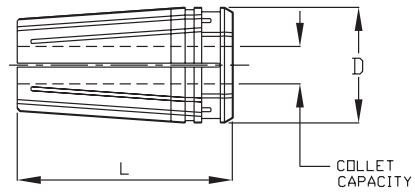
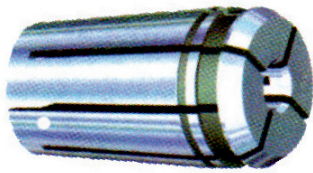


- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy. Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.4mm
- Order Example – 150TG120M

Collet Capacity	150TG Standard D = 50.83 L= 70.26 Catalogue No
32.00	150TG320M
32.50	150TG325M
33.00	150TG330M
33.50	150TG335M
34.00	150TG340M
34.50	150TG345M
35.00	150TG350M
35.50	150TG355M
36.00	150TG360M
36.50	150TG365M
37.00	150TG370M
37.50	150TG375M
38.00	150TG380M
38.50	150TG385M
39.00	150TG390M
39.50	150TG395M
40.00	150TG400M

- To Deliver Best effective results BPT Recommend, BPTs TG Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

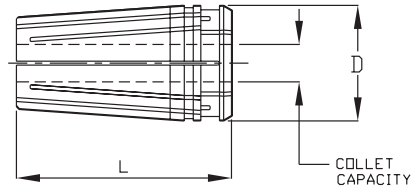
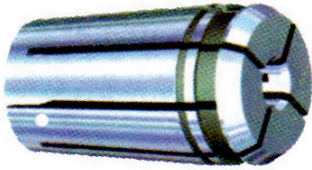
**TG150 Series Collets – Inch**



- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy. Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.016".
- Order Example – 150TG0375

Collet Capacity	150TG Standard D = 2.00, L= 3.00 Catalogue No
3/8	150TG0375
25/64	150TG0391
13/32	150TG0406
27/64	150TG0422
7/16	150TG0438
29/64	150TG0453
15/32	150TG0469
31/64	150TG0484
1/2	150TG0500
33/64	150TG0516
17/32	150TG0531
35/64	150TG0547
9/16	150TG0562
37/64	150TG0578
19/32	150TG0594
39/64	150TG0609
5/8	150TG0625
41/64	150TG0641
21/32	150TG0656
43/64	150TG0672
11/16	150TG0688
45/64	150TG0703
23/32	150TG0719
47/64	150TG0734
3/4	150TG0750
49/64	150TG0766
25/32	150TG0781
51/64	150TG0797
13/16	150TG0812
53/64	150TG0828
27/32	150TG0844
55/64	150TG0859
7/8	150TG0875
57/64	150TG0891
29/32	150TG0906
59/64	150TG0922
15/16	150TG0938
61/64	150TG0953
31/32	150TG0969
63/64	150TG0984

**TG150 Series Collets – Inch**

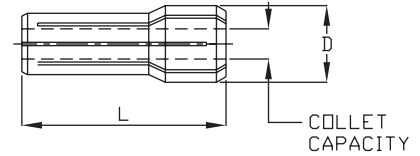
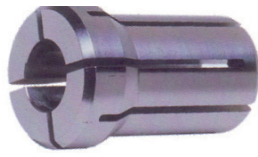


- Provides tremendous Grip and accuracy for all drilling applications. Manufactured to DIN 6499 Class 2 accuracy. Grips on back taper and Margin of drill for max feed rate and more accurate hole. Max Collapse 0.016".
- Order Example – 150TG0375

Collet Capacity	150TG Standard D = 2.00, L= 3.00 Catalogue No
1	150TG1000
1 1/64	150TG1016
1 1/32	150TG1031
1 3/64	150TG1047
1 1/16	150TG1062
1 5/64	150TG1078
1 11/64	150TG1172
1 3/16	150TG1187
1 13/64	150TG1203
1 7/32	150TG1219
1 15/64	150TG1234
1 1/4	150TG1250
1 17/64	150TG1266
1 9/32	150TG1281
1 19/64	150TG1297
1 5/16	150TG1312
1 21/64	150TG1328
1 11/32	150TG1344
1 23/64	150TG1359
1 3/8	150TG1375
1 25/64	150TG1391
1 13/32	150TG1406
1 27/64	150TG1422
1 7/16	150TG1438
1 29/64	150TG1453
1 15/32	150TG1469
1 31/64	150TG1484
1 1/2	150TG1500

- To Deliver Best effective results BPT Recommend, BPTs ER Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

**DA Double Angle Series Collets – Metric**



**Bonded Collets**

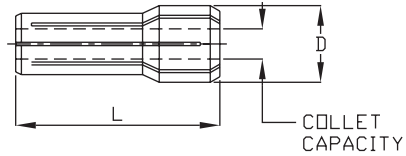
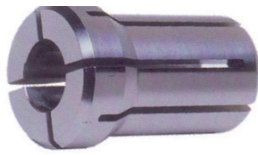
- 300DA / 200DA / 100DA / & 180DA – Standard Collets Max.collapse= 0.8mm
- Order Example – 300DA010M

Collet Capacity	300DA Standard Collets D=9.53mm L= 25.40mm	200DA Standard D=13.69mm L= 30.18mm	200DAC Coolant - Bonded D=13.69mm L= 30.18mm	100DA Standard D=19.53mm L =36.53mm	180DAC Coolant - Bonded D =19.53mm L = 36.53mm	180DA Standard D=26.29mm L = 41.28mm	180DAC Coolant - Bonded D=26.29mm L = 41.28mm
1.0	300DA010M	200DA010M					
1.5	300DA015M	200DA015M					
2.0	300DA020M	200DA020M					
2.5	300DA025M	200DA025M		100DA025M			
3.0	300DA030M	200DA030M		100DA030M		180DA030M	
3.5	300DA035M	200DA035M		100DA035M		180DA035M	
4.0	300DA040M	200DA040M		100DA040M		180DA040M	
4.5	300DA045M	200DA045M		100DA045M		180DA045M	
5.0	300DA050M	200DA050M		100DA050M		180DA050M	
5.5	300DA055M	200DA055M		100DA055M		180DA055M	
6.0	300DA060M	200DA060M	200DAC060M	100DA060M	100DAC060M	180DA060M	180DAC060M
6.5		200DA065M		100DA065M		180DA065M	
7.0		200DA070M		100DA070M		180DA070M	
7.5		200DA075M		100DA075M		180DA075M	
8.0		200DA080M	200DAC080M	100DA080M	100DAC080M	180DA080M	180DAC080M
8.5		200DA085M		100DA085M		180DA085M	
9.0		200DA090M		100DA090M		180DA090M	
9.5		200DA095M		100DA095M		180DA095M	
10.0		200DA100M	200DAC100M	100DA100M	100DAC100M	180DA100M	180DAC100M
10.5				100DA105M		180DA105M	
11.0				100DA110M		180DA110M	
11.5				100DA115M		180DA115M	
12.0				100DA120M	100DAC120M	180DA120M	180DAC120M
12.5				100DA125M		180DA125M	
13.0				100DA130M		180DA130M	
13.5				100DA135M		180DA135M	
14.0				100DA140M	100DAC140M	180DA140M	180DAC140M
14.5						180DA145M	
15.0						180DA150M	
16.0						180DA160M	180DAC160M
16.5						180DA165M	
17.0						180DA170M	
17.5						180DA175M	
18.0						180DA180M	180DAC180M
18.5						180DA185M	

- To Deliver Best effective results BPT Recommend, BPTs DA Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

D A C O L L E T

**DA Double Angle Series Collets – Metric**



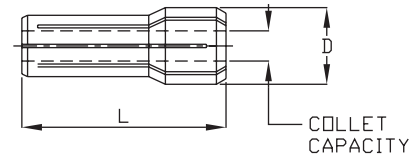
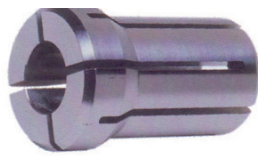
Bonded Collets

- 300DA / 200DA / 100DA / & 180DA – Standard Collets Max.collapse= 0.8mm
- Order Example – 300DA010M

Collet Capacity	300DA Standard Collets D=9.53mm L= 25.40mm	200DA Standard D=13.69mm L= 30.18mm	200DAC Coolant - Bonded D=13.69mm L= 30.18mm	100DA Standard D=19.53mm L =36.53mm	180DAC Coolant - Bonded D =19.53mm L = 36.53mm	180DA Standard D=26.29mm L = 41.28mm	180DAC Coolant - Bonded D=26.29mm L = 41.28mm
19.0						180DA190M	
19.5						180DA195M	
20.0						180DA200M	180DAC200M
31/32	150TG0969						
63/64	150TG0984						

- To Deliver Best effective results BPT Recommend, BPTs DA Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

**DA Double Angle Series Collets - Inch**



**Bonded Collets**

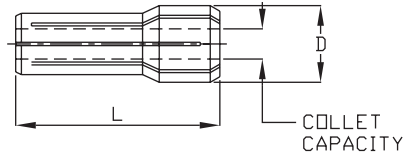
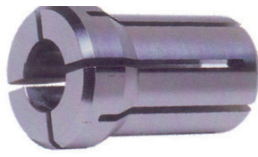
- 300DA / 200DA / 100DA / & 180DA – Standard Collets, Max.collapse= 0.031"
- Order Example – 300DA0031

Collet Capacity	300DA Standard D= 0.375" L= 1.000"	300DAC Coolant Bonded D= 0.375" L= 1.000"	200DA Standard D= 0.539" L= 1.188"	200DAC Coolant Bonded D= 0.539" L= 1.188"	100DA Standard D = 0.769" L = 1.438"	100DAC Coolant Bonded L = 0.769" L = 1.438"	180DA Standard Met D = 1.035" L = 1.625"	180DAC Coolant Bonded D = 1.035" L = 1.625"
1/32	300DA0031							
3/64	300DA0047		200DA0047		100DA0047		180DA0047	
1/16	300DA0062		200DA0062		100DA0062		180DA0062	
5/64	300DA0078		200DA0078		100DA0078		180DA0078	
3/32	300DA0094		200DA0094		100DA0094		180DA0094	
7/64	300DA0109		200DA0109		100DA0109		180DA0109	
1/8	300DA0125	300DAC0125	200DA0125	200DAC0125	100DA0125	100DAC0125	180DA0125	
9/64	300DA0141	300DAC0141	200DA0141	200DAC0141	100DA0141	100DAC0141	180DA0141	
5/32	300DA0156	300DAC0156	200DA0156	200DAC0156	100DA0156	100DAC0156	180DA0156	
11/64	300DA0172	300DAC0172	200DA0172	200DAC0172	100DA0172	100DAC0172	180DA0172	
3/16	300DA0188	300DAC0188	200DA0188	200DAC0188	100DA0188	100DAC0188	180DA0188	
13/64	300DA0203	300DAC0203	200DA0203	200DAC0203	100DA0203	100DAC0203	180DA0203	
7/32	300DA0219	300DAC0219	200DA0219	200DAC0219	100DA0219	100DAC0219	180DA0219	
15/64	300DA0234	300DAC0234	200DA0234	200DAC0234	100DA0234	100DAC0234	180DA0234	
1/4	300DA0250	300DAC0250	200DA0250	200DAC0250	100DA0250	100DAC0250	180DA0250	180DAC0250
17/64			200DA0266	200DAC0266	100DA0266	100DAC0266	180DA0266	180DAC0266
9/32			200DA0281	200DAC0281	100DA0281	100DAC0281	180DA0281	180DAC0281
19/64			200DA0297	200DAC0297	100DA0297	100DAC0297	180DA0297	180DAC0297
5/16			200DA0312	200DAC0312	100DA0312	100DAC0312	180DA0312	180DAC0312
21/64			200DA0328	200DAC0328	100DA0328	100DAC0328	180DA0328	180DAC0328
11/32			200DA0344	200DAC0344	100DA0344	100DAC0344	180DA0344	180DAC0344
23/64			200DA0359	200DAC0359	100DA0359	100DAC0359	180DA0359	180DAC0359
3/8			200DA0375	200DAC0375	100DA0375	100DAC0375	180DA0375	180DAC0375
25/64			200DA0391	200DAC0391	100DA0391	100DAC0391	180DA0391	180DAC0391
13/32					100DA0406	100DAC0406	180DA0406	180DAC0406
27/64					100DA0422	100DAC0422	180DA0422	180DAC0422
7/16					100DA0438	100DAC0438	180DA0438	180DAC0438
29/64					100DA0453	100DAC0453	180DA0453	180DAC0453
15/32					100DA0469	100DAC0469	180DA0469	180DAC0469
31/64					100DA0484	100DAC0484	180DA0484	180DAC0484
1/2					100DA0500	100DAC0500	180DA0500	180DAC0500
33/64					100DA0516	100DAC0516	180DA0516	180DAC0516
17/32					100DA0531	100DAC0531	180DA0531	180DAC0531
35/64					100DA0547	100DAC0547	180DA0547	180DAC0547
9/16					100DA0562	100DAC0562	180DA0562	180DAC0562

- To Deliver Best effective results BPT Recommend, BPTs DA Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

**DA COLLET**

**DA Double Angle Series Collets - Inch**



Bonded Collets

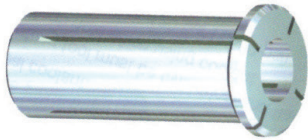
- 300DA / 200DA / 100DA / & 180DA – Standard Collets, Max.collapse= 0.031"
- Order Example – 300DA0031

Collet Capacity	300DA Standard D= 0.375" L= 1.000"	300DAC Coolant Bonded D= 0.375" L= 1.000"	200DA Standard D= 0.539" L= 1.188"	200DAC Coolant Bonded D= 0.539" L= 1.188"	100DA Standard D = 0.769" L = 1.438"	100DAC Coolant Bonded L= 0.769" L= 1.438"	180DA Standard Met D = 1.035" L = 1.625"	180DAC Coolant Bonded D = 1.035" L = 1.625"
37/64							180DA0578	180DAC0578
19/32							180DA0594	180DAC0594
39/64							180DA0609	180DAC0609
5/8							180DA0625	180DAC0625
41/64							180DA0641	180DAC0641
21/32							180DA0656	180DAC0656
43/64							180DA0672	180DAC0672
11/16							180DA0688	180DAC0688
45/64							180DA0703	180DAC0703
23/32							180DA0719	180DAC0719
47/64							180DA0734	180DAC0734
3/4							180DA0750	180DAC0750

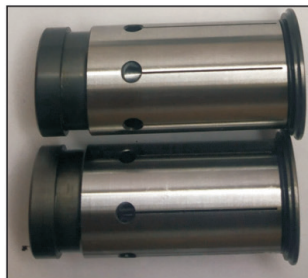
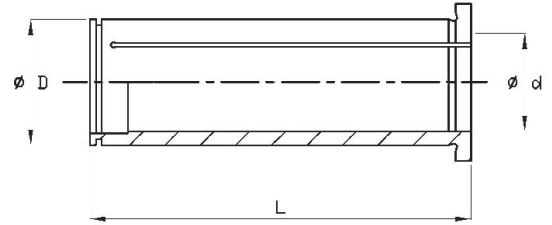
- To Deliver Best effective results BPT Recommend, BPTs DA Collets to be used along with BPTs standard Lock Nut and tool holder
- For optimum collet performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice



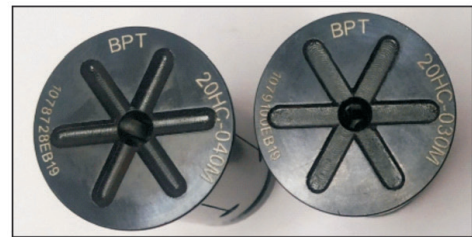
**Reduction Sleeve - Metric**



Standard Reduction Sleeve



Energia Reduction Sleeve

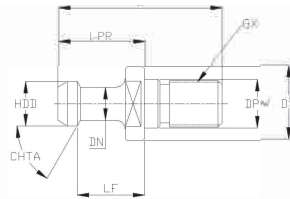


- Order Example – 12HC030M
- Reduction Hydraulic Chuck Sleeve in INCH / IMPERIAL bore sizes available on request

Catalogue No.	For Hydraulic Chuck Bore Dia.	D	d	L
12HC-030M	12	12	3	42
12HC-040M		12	4	
12HC-050M		12	5	
12HC-060M		12	6	
12HC-080M		12	8	
12HC-100M		12	10	
20HC-060M	20	20	6	57
20HC-080M		20	8	
20HC-100M		20	10	
20HC-120M		20	12	
20HC-140M		20	14	
20HC-160M		20	16	
32HC-060M	32	32	6	65
32HC-080M		32	8	
32HC-100M		32	10	
32HC-120M		32	12	
32HC-140M		32	14	
32HC-160M		32	16	
32HC-180M		32	18	
32HC-200M		32	20	
32HC-250M		32	25	

- To Deliver Best effective results BPT Recommend, BPTs Hydraulic Reduction sleeves to be used along with BPTs Hydraulic Chuck
- For optimum Reduction Sleeve performance use cutting tool with shank diameter tolerance to h6 / equal to the collet nominal size.
- All details are subject to change without notice

**Pull Studs – Retention Knobs**



- Pull Studs BT MAS Style With Pilot – Metric`  
Metric Threads, Piloted, No Through Coolant
- Order Example – RK30BT1M  
Through coolant pull studs available upon request
- Order Example – RK30BT1MC  
Pull Studs RK BT-MAS-Style With Pilot–METRIC

- Pull Studs BT MAS Style With Pilot – InchInch  
Threads, Piloted, No Through Coolant
- Order Example – RK31114  
Through coolant pull studs available upon request
- Order Example – RK31114C

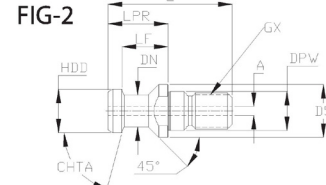
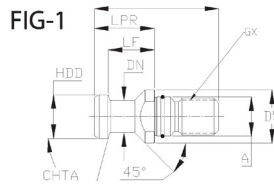
Catalogue No	Taper Size	GX	CHTA in Deg .	D5	DN	DPW	HDD	LF	LPR	L	WF
RK30BT1M	30	M12~1.75	45	16.40	06.95	12.49	10.95	17.95	22.95	43	13
RK30BT2M	30	M12~1.75	60	16.40	06.95	12.49	10.95	17.95	22.95	43	13
RK40BT1M	40	M16~2.00	45	22.90	09.95	16.99	14.95	27.95	34.95	60	19
RK40BT2M	40	M16~2.00	60	22.90	09.95	16.99	14.95	27.95	34.95	60	19
RK40BT3M	40	M16~2.00	90	22.90	09.95	16.99	14.95	27.95	34.95	60	19
RK50BT1M	50	M24~3.00	45	37.90	16.95	24.99	22.95	34.95	44.95	85	30
RK50BT2M	50	M24~3.00	60	37.90	16.95	24.99	22.95	34.95	44.95	85	30
RK50BT3M	50	M24~3.00	90	37.90	16.95	24.99	22.95	34.95	44.95	85	30

**Pull Studs RK BT-MAS-Style With Pilot–INCH**

Catalogue No	Taper Size	GX	CHTA in Deg .	D5	DN	DPW	HDD	LF	LPR	L	WF
RK31114	40	5/8~11	45	0.938"	0.392"	0.636"	0.589"	0.988"	1.264"	2.250"	0.750"
RK31114B	40	5/8~11	90	0.938"	0.392"	0.636"	0.589"	0.988"	1.264"	2.250"	0.750"
RK31118	50	1.00~8	45	1.438"	0.668"	1.026"	0.903"	1.384"	1.778"	3.355"	1.250"
RK31118B	50	1.00~8	90	1.438"	0.668"	1.026"	0.903"	1.384"	1.778"	3.355"	1.250"
RK40BT3M	40	M16~2.00	90	22.90	09.95	16.99	14.95	27.95	34.95	60	19
RK50BT1M	50	M24~3.00	45	37.90	16.95	24.99	22.95	34.95	44.95	85	30
RK50BT2M	50	M24~3.00	60	37.90	16.95	24.99	22.95	34.95	44.95	85	30
RK50BT3M	50	M24~3.00	90	37.90	16.95	24.99	22.95	34.95	44.95	85	30

- All details are subject to change without notice

**Pull Studs RK DIN 69872**



- Pull Studs RK DIN 69872 Form A – Metric Thread, Piloted Pull Studs RK DIN 69872 Form B – Metric with O -ring No Through Coolant Metric Threads, piloted, Through Coolant
- Order Example – RK40DVM Order Example – RK40DVBM

Catalogue No	Taper Size	FIG	GX	CHTA in Deg.	D5	DN	DPW	HDD	LF	LPR	L	WF
RK40DVM	40	1	M16~2.00	75	22.90	13.95	16.97	18.97	20.00	26.00	54.00	19.00
RK50DVM	50	1	M24~3.00	75	35.90	20.95	24.97	27.97	25.00	34.00	74.00	30.00

**Pull Studs RK DIN 69872 Form-B – METRIC -Through Coolant**

Catalogue No	Taper Size	FIG	GX	CHTA in Deg .	D5	DN	DPW	HDD	LF	LPR	L	WF	A
RK40DVBM	40	2	M16~2.00	75	22.90	13.95	16.97	18.97	20.00	26.00	54.00	19.00	07.05
RK50DVBM	50	2	M24~3.00	75	35.90	20.95	24.97	27.97	25.00	34.00	74.00	30.00	11.55

- All details are subject to change without notice

**Pull Studs CV ANSI-Style with Pilot - METRIC**

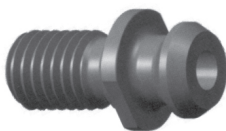


FIG-1

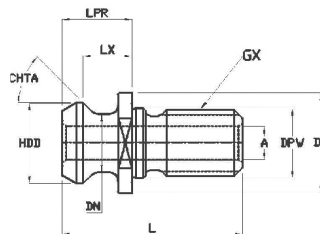
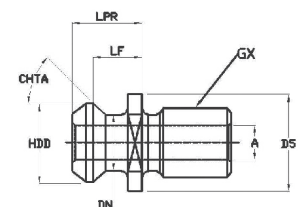


FIG-2



Pull Stud-ANSI Style with Pilot-Metric Thread, Piloted, Through Coolant  
Order Example – RK40CV3M

Pull Stud-ANSI Style without Pilot-Metric Thread, Through Coolant  
Order Example – RK40CV1M

**Pull Studs ANSI-Style – METRIC- with Pilot, Through Coolant**

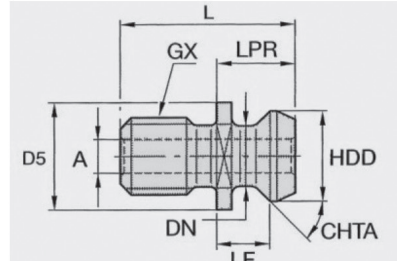
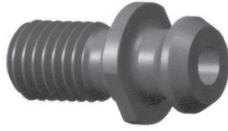
Catalogue No	Taper Size	FIG	GX	CHTA in Deg .	D5	DN	DPW	HDD	LF	LPR	L	WF	A
RK40CV3M	40	1	M16~2.00	45	23.83	12.45	16.98	18.80	11.18	16.26	41.26	19.00	07.14
RK50CV3M	50	1	M24~3.00	45	36.32	20.83	24.99	28.96	17.78	25.40	65.41	32.00	11.90

**Pull Studs ANSI-Style – METRIC- without Pilot**

Catalogue No	Taper Size	FIG	GX	CHTA in Deg .	D5	DN	HDD	LF	LPR	L	WF	A
RK40CV1M	40	2	M16~2.00	45	22.50	12.40	18.80	11.20	16.30	38.10	19.00	06.95
RK50CV1M	50	2	M24~3.00	45	37.00	19.60	29.10	17.95	25.55	60.00	30.00	11.50

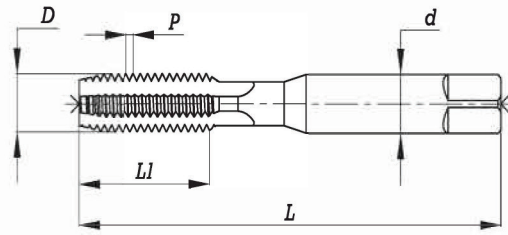
- All details are subject to change without notice

**Pull Studs CV ANSI-Style without Pilot - INCH**



- Pull Stud-ANSI Style without pilot Inch Thread, Through Coolant.
- Order Example – RK40CV

Catalogue No	Taper Size	FIG	GX	CHTA in Deg"	D5	DN	HDD	LF	LPR	L	WF	A
RK40CV	40	3	5/8~11	45	0.900"	0.490"	0.740"	0.440"	0.640"	1.500"	0.750"	0.281"
RK50CV	50	3	1.00~8	45	1.400"	0.820"	1.140"	0.700"	1.000"	2.300"	1.250"	0.500"

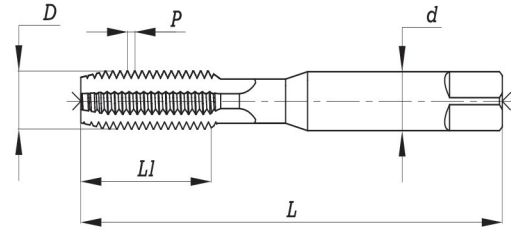


Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M3	0.50	11.00	48.00	3.15	2.50	5.00
M3.5	0.60	13.00	50.00	3.55	2.80	5.00
M4	0.70	13.00	53.00	4.00	3.15	6.00
M4.5	0.75	13.00	53.00	4.50	3.55	6.00
M5	0.80	16.00	58.00	5.00	4.00	7.00
M6	1.00	19.00	66.00	6.30	5.00	8.00
M7	1.00	19.00	66.00	7.10	5.60	8.00
M8	1.25	22.00	72.00	8.00	6.30	9.00
M9	1.25	22.00	72.00	9.00	7.10	10.00
M10	1.50	24.00	80.00	10.00	8.00	11.00

Dimensions in mm  
Specification conform to :  
IS 6175 Part 2:2002  
ISO 529:1975  
BS 949 Part 1:1992

These Taps are supplied in Set of Three Taper, Second & Bottoming non-serial with thread Tolerance-6H

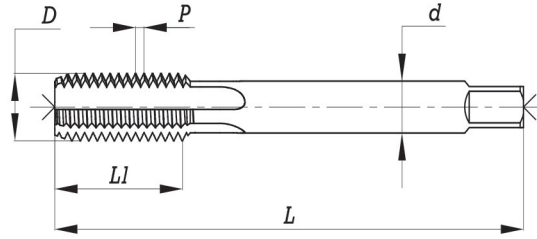


Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M3	0.35	11.00	48.00	3.15	2.50	5.00
M3.5	0.35	13.00	50.00	3.55	2.80	5.00
M4	0.50	13.00	53.00	4.00	3.15	6.00
M4.5	0.50	13.00	53.00	4.50	3.55	6.00
M5	0.50	16.00	58.00	5.00	4.00	7.00
M5.5	0.50	17.00	62.00	5.60	4.50	7.00
M6	0.75	19.00	66.00	6.30	5.00	8.00
M7	0.75	19.00	66.00	7.10	5.60	8.00
M8	0.75	16.00	66.00	8.00	6.30	9.00
M8	1.00	19.00	69.00	8.00	6.30	9.00
M9	0.75	16.00	66.00	9.00	7.10	10.00
M9	1.00	19.00	69.00	9.00	7.10	10.00
M10	0.75	17.00	73.00	10.00	8.00	11.00
M10	1.00	20.00	76.00	10.00	8.00	11.00
M10	1.25	20.00	76.00	10.00	8.00	11.00

Dimensions in mm  
Specification conform to :  
IS 6175 Part 2:2002  
ISO 529:1975  
BS 949 Part 1:1992

These Taps are supplied in Set of Two Taper & Bottoming non-serial with thread Tolerance-6H

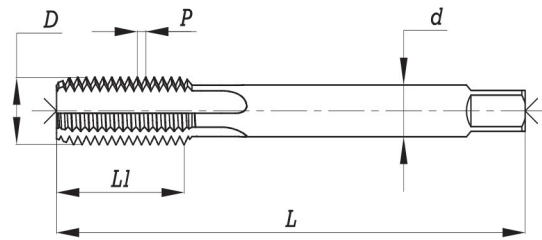


Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M3	0.50	11.00	48.00	2.24	1.80	4.00
M3.5	0.60	13.00	50.00	2.50	2.00	4.00
M4	0.70	13.00	53.00	3.15	2.50	5.00
M4.5	0.75	13.00	53.00	3.55	2.80	5.00
M5	0.80	16.00	58.00	4.00	3.15	6.00
M6	1.00	19.00	66.00	4.50	3.55	6.00
M7	1.00	19.00	66.00	5.60	4.50	7.00
M8	1.25	22.00	72.00	6.30	5.00	8.00
M9	1.25	22.00	72.00	7.10	5.60	8.00
M10	1.50	24.00	80.00	8.00	6.30	9.00
M11	1.50	25.00	85.00	8.00	6.30	9.00
M12	1.75	29.00	89.00	9.00	7.10	10.00
M14	2.00	30.00	95.00	11.20	9.00	12.00
M16	2.00	32.00	102.00	12.50	10.00	13.00
M18	2.50	37.00	112.00	14.00	11.20	14.00
M20	2.50	37.00	112.00	14.00	11.20	14.00
M22	2.50	38.00	118.00	16.00	12.50	16.00
M24	3.00	45.00	130.00	18.00	14.00	18.00
M25	3.00	45.00	130.00	20.00	16.00	20.00
M27	3.00	45.00	135.00	20.00	16.00	20.00
M30	3.50	48.00	138.00	20.00	16.00	20.00
M33	3.50	51.00	151.00	22.40	18.00	22.00
M36	4.00	57.00	162.00	25.00	20.00	24.00
M39	4.00	60.00	170.00	28.00	22.40	26.00
M42	4.50	60.00	170.00	28.00	22.40	26.00
M45	4.50	67.00	187.00	31.50	25.00	28.00
M48	5.00	67.00	187.00	31.50	25.00	28.00
M52	5.00	70.00	200.00	35.50	28.00	31.00
M56	5.50	70.00	200.00	35.50	28.00	31.00
M60	5.50	76.00	221.00	40.00	31.50	34.00
M64	6.00	79.00	224.00	40.00	31.50	34.00
M68	6.00	79.00	234.00	45.00	35.50	38.00

Dimensions in mm  
Specification conform to :  
IS 6175 Part 3:2002  
ISO 529:1975  
BS 949 Part 1:1992

These Taps are supplied in Set of Three Taper, Second & Bottoming non-serial with thread Tolerance-6H



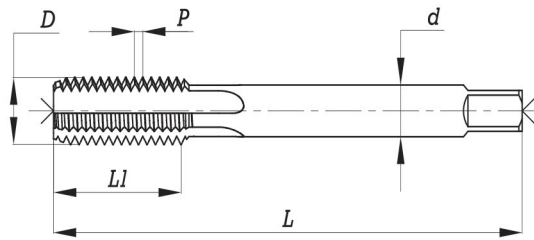
Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M3	0.35	11.00	48.00	2.24	1.80	4.00
M3.5	0.35	13.00	50.00	2.50	2.00	4.00
M4	0.50	13.00	53.00	3.15	2.50	5.00
M4.5	0.50	13.00	53.00	3.55	2.80	5.00
M5	0.50	16.00	58.00	4.00	3.15	6.00
M5.5	0.50	17.00	62.00	4.00	3.15	6.00
M6	0.75	19.00	66.00	4.50	3.55	6.00
M7	0.75	19.00	66.00	5.60	4.50	7.00
M8	0.75	16.00	66.00	6.30	5.00	8.00
M8	1.00	19.00	69.00	6.30	5.00	8.00
M9	0.75	16.00	66.00	7.10	5.60	8.00
M9	1.00	19.00	69.00	7.10	5.60	8.00
M10	0.75	17.00	73.00	8.00	6.30	9.00
M10	1.00	20.00	76.00	8.00	6.30	9.00
M10	1.25	20.00	76.00	8.00	6.30	9.00
M11	0.75	20.00	80.00	8.00	6.30	9.00
M11	1.00	20.00	80.00	8.00	6.30	9.00
M12	1.00	20.00	80.00	9.00	7.10	10.00
M12	1.25	24.00	84.00	9.00	7.10	10.00
M12	1.50	29.00	89.00	9.00	7.10	10.00
M14	1.00	22.00	87.00	11.20	9.00	12.00
M14	1.25	25.00	90.00	11.20	9.00	12.00
M14	1.50	30.00	95.00	11.20	9.00	12.00
M15	1.00	22.00	87.00	11.20	9.00	12.00
M15	1.50	30.00	95.00	11.20	9.00	12.00
M16	1.00	22.00	92.00	12.50	10.00	13.00
M16	1.50	32.00	102.00	12.50	10.00	13.00
M17	1.00	22.00	92.00	12.50	10.00	13.00
M17	1.50	32.00	102.00	12.50	10.00	13.00
M18	1.00	22.00	97.00	14.00	11.20	14.00
M18	1.50	29.00	104.00	14.00	11.20	14.00
M18	2.00	37.00	112.00	14.00	11.20	14.00
M20	1.00	27.00	102.00	14.00	11.20	14.00

Specification conform to :  
IS 6175 Part 3:2002  
ISO 529:1975  
BS 949 Part 1:1992

These taps are supplied in set of two-Taper and Bottoming in non-serial form with thread Tolerance 6H



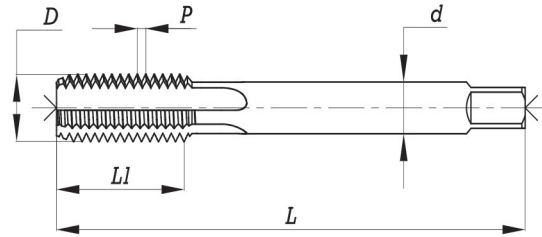


Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M20	1.50	29.00	104.00	14.00	11.20	14.00
M20	2.00	37.00	112.00	14.00	11.20	14.00
M22	1.00	29.00	109.00	16.00	12.50	16.00
M22	1.50	33.00	113.00	16.00	12.50	16.00
M22	2.00	38.00	118.00	16.00	12.50	16.00
M24	1.00	29.00	114.00	18.00	14.00	18.00
M24	1.50	35.00	120.00	18.00	14.00	18.00
M24	2.00	35.00	120.00	18.00	14.00	18.00
M25	1.00	29.00	114.00	18.00	14.00	18.00
M25	1.50	35.00	120.00	18.00	14.00	18.00
M25	2.00	35.00	120.00	18.00	14.00	18.00
M26	1.50	35.00	120.00	18.00	14.00	18.00
M27	1.00	30.00	120.00	20.00	16.00	20.00
M27	1.50	37.00	127.00	20.00	16.00	20.00
M27	2.00	37.00	127.00	20.00	16.00	20.00
M28	1.00	30.00	120.00	20.00	16.00	20.00
M28	1.50	37.00	127.00	20.00	16.00	20.00
M28	2.00	37.00	127.00	20.00	16.00	20.00
M30	1.00	30.00	120.00	20.00	16.00	20.00
M30	1.50	37.00	127.00	20.00	16.00	20.00
M30	2.00	37.00	127.00	20.00	16.00	20.00
M30	3.00	48.00	138.00	20.00	16.00	20.00
M32	1.50	37.00	137.00	22.40	18.00	22.00
M32	2.00	37.00	137.00	22.40	18.00	22.00
M33	1.50	37.00	137.00	22.40	18.00	22.00
M33	2.00	37.00	137.00	22.40	18.00	22.00
M33	3.00	51.00	151.00	22.40	18.00	22.00
M35	1.50	39.00	144.00	25.00	20.00	24.00
M36	1.50	39.00	144.00	25.00	20.00	24.00
M36	2.00	39.00	144.00	25.00	20.00	24.00
M36	3.00	57.00	162.00	25.00	20.00	24.00
M38	1.50	39.00	149.00	28.00	22.40	26.00
M39	1.50	39.00	149.00	28.00	22.40	26.00

Specification conform to :  
IS 6175 Part 3:2002  
ISO 529:1975  
BS 949 Part 1:1992

These taps are supplied in set of two-Taper and Bottoming in non-serial form with thread Tolerance 6H

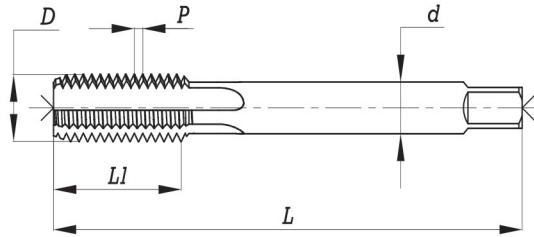


Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M39	2.00	39.00	149.00	28.00	22.40	26.00
M39	3.00	60.00	170.00	28.00	22.40	26.00
M40	1.50	39.00	149.00	28.00	22.40	26.00
M40	2.00	39.00	149.00	28.00	22.40	26.00
M40	3.00	60.00	170.00	28.00	22.40	26.00
M42	1.50	39.00	149.00	28.00	22.40	26.00
M42	2.00	39.00	149.00	28.00	22.40	26.00
M42	3.00	60.00	170.00	28.00	22.40	26.00
M42	4.00	60.00	170.00	28.00	22.40	26.00
M45	1.50	45.00	165.00	31.50	25.00	28.00
M45	2.00	45.00	165.00	31.50	25.00	28.00
M45	3.00	67.00	187.00	31.50	25.00	28.00
M45	4.00	67.00	187.00	31.50	25.00	28.00
M48	1.50	45.00	165.00	31.50	25.00	28.00
M48	2.00	45.00	165.00	31.50	25.00	28.00
M48	3.00	67.00	187.00	31.50	25.00	28.00
M48	4.00	67.00	187.00	31.50	25.00	28.00
M50	1.50	45.00	165.00	31.50	25.00	28.00
M50	2.00	45.00	165.00	31.50	25.00	28.00
M50	3.00	67.00	187.00	31.50	25.00	28.00
M52	1.50	45.00	175.00	35.50	28.00	31.00
M52	2.00	45.00	175.00	35.50	28.00	31.00
M52	3.00	70.00	200.00	35.50	28.00	31.00
M52	4.00	70.00	200.00	35.50	28.00	31.00
M55	1.50	45.00	175.00	35.50	28.00	31.00
M55	2.00	45.00	175.00	35.50	28.00	31.00
M55	3.00	70.00	200.00	35.50	28.00	31.00
M55	4.00	70.00	200.00	35.50	28.00	31.00
M56	1.50	45.00	175.00	35.50	28.00	31.00
M56	2.00	45.00	175.00	35.50	28.00	31.00
M56	3.00	70.00	200.00	35.50	28.00	31.00
M56	4.00	70.00	200.00	35.50	28.00	31.00
M58	1.50	48.00	193.00	40.00	31.50	34.00

Specification conform to :  
IS 6175 Part 3:2002  
ISO 529:1975  
BS 949 Part 1:1992

These taps are supplied in set of two-Taper and Bottoming in non-serial form with thread Tolerance 6H



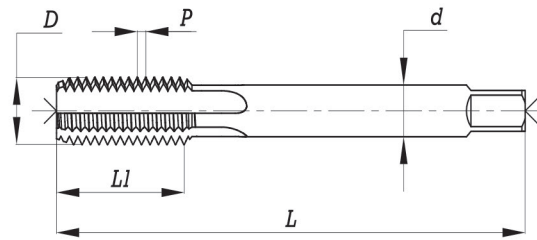
Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M58	2.00	48.00	193.00	40.00	31.50	34.00
M58	3.00	64.00	209.00	40.00	31.50	34.00
M58	4.00	64.00	209.00	40.00	31.50	34.00
M60	1.50	48.00	193.00	40.00	31.50	34.00
M60	2.00	48.00	193.00	40.00	31.50	34.00
M60	3.00	64.00	209.00	40.00	31.50	34.00
M60	4.00	64.00	209.00	40.00	31.50	34.00
M62	1.50	48.00	193.00	40.00	31.50	34.00
M62	2.00	48.00	193.00	40.00	31.50	34.00
M62	3.00	64.00	209.00	40.00	31.50	34.00
M62	4.00	64.00	209.00	40.00	31.50	34.00
M64	1.50	48.00	193.00	40.00	31.50	34.00
M64	2.00	48.00	193.00	40.00	31.50	34.00
M64	3.00	64.00	209.00	40.00	31.50	34.00
M64	4.00	64.00	209.00	40.00	31.50	34.00
M65	1.50	48.00	193.00	40.00	31.50	34.00
M65	2.00	48.00	193.00	40.00	31.50	34.00
M65	3.00	64.00	209.00	40.00	31.50	34.00
M65	4.00	64.00	209.00	40.00	31.50	34.00
M68	1.50	48.00	203.00	45.00	35.50	38.00
M68	2.00	48.00	203.00	45.00	35.50	38.00
M68	3.00	64.00	219.00	45.00	35.50	38.00
M68	4.00	64.00	219.00	45.00	35.50	38.00
M70	1.50	48.00	203.00	45.00	35.50	38.00
M70	2.00	48.00	203.00	45.00	35.50	38.00
M70	3.00	64.00	219.00	45.00	35.50	38.00
M70	4.00	64.00	219.00	45.00	35.50	38.00
M70	6.00	79.00	234.00	45.00	35.50	38.00
M72	1.50	48.00	203.00	45.00	35.50	38.00
M72	2.00	48.00	203.00	45.00	35.50	38.00
M72	3.00	64.00	219.00	45.00	35.50	38.00
M72	4.00	64.00	219.00	45.00	35.50	38.00
M72	6.00	70.00	234.00	45.00	35.50	38.00

Specification conform to :  
IS 6175 Part 3:2002  
ISO 529:1975  
BS 949 Part 1:1992

These taps are supplied in set of two-Taper and Bottoming in non-serial form with thread Tolerance 6H

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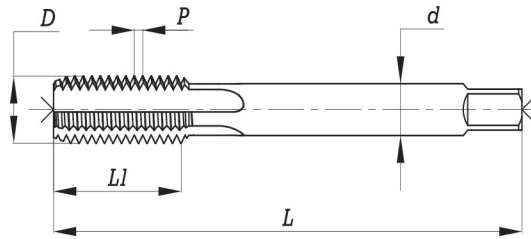


Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M75	1.50	48.00	203.00	45.00	35.50	38.00
M75	2.00	48.00	203.00	45.00	35.50	38.00
M75	3.00	64.00	219.00	45.00	35.50	38.00
M75	4.00	64.00	219.00	45.00	35.50	38.00
M76	1.50	51.00	226.00	50.00	40.00	42.00
M76	2.00	51.00	226.00	50.00	40.00	42.00
M76	3.00	67.00	242.00	50.00	40.00	42.00
M76	4.00	67.00	242.00	50.00	40.00	42.00
M76	6.00	83.00	258.00	50.00	40.00	42.00
M78	2.00	51.00	226.00	50.00	40.00	42.00
M80	1.50	51.00	226.00	50.00	40.00	42.00
M80	2.00	51.00	226.00	50.00	40.00	42.00
M80	3.00	67.00	242.00	50.00	40.00	42.00
M80	4.00	67.00	242.00	50.00	40.00	42.00
M80	6.00	83.00	258.00	50.00	40.00	42.00
M82	2.00	51.00	226.00	50.00	40.00	42.00
M85	2.00	51.00	226.00	50.00	40.00	42.00
M85	3.00	67.00	242.00	50.00	40.00	42.00
M85	4.00	67.00	242.00	50.00	40.00	42.00
M85	6.00	86.00	261.00	50.00	40.00	42.00
M90	2.00	51.00	226.00	50.00	40.00	42.00
M90	3.00	67.00	242.00	50.00	40.00	42.00
M90	4.00	67.00	242.00	50.00	40.00	42.00
M90	6.00	86.00	261.00	50.00	40.00	42.00
M95	2.00	54.00	244.00	56.00	45.00	46.00
M95	3.00	70.00	260.00	56.00	45.00	46.00
M95	4.00	70.00	260.00	56.00	45.00	46.00
M95	6.00	89.00	279.00	56.00	45.00	46.00
M100	2.00	54.00	244.00	56.00	45.00	46.00
M100	3.00	70.00	260.00	56.00	45.00	46.00
M100	4.00	70.00	260.00	56.00	45.00	46.00
M100	6.00	89.00	279.00	56.00	45.00	46.00

Specification conform to :  
IS 6175 Part 3:2002  
ISO 529:1975  
BS 949 Part 1:1992

These taps are supplied in set of two-Taper and Bottoming in non-serial form with thread Tolerance 6H

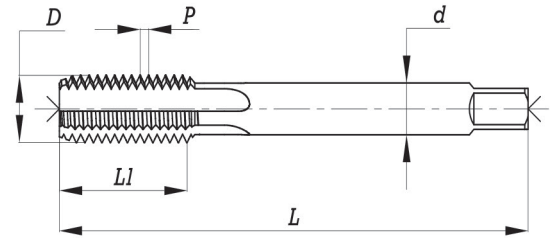


Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Thread per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/8	40	11	48	3.15	2.50	5
3/16	24	16	58	5.00	4.00	7
1/4	20	19	66	6.30	5.00	8
5/16	18	22	72	8.00	6.30	9
3/8	16	24	80	10.00	8.00	11
7/16	14	25	85	8.00	6.30	9
1/2	12	29	89	9.00	7.10	10
9/16	12	30	95	11.20	9.00	12
5/8	11	32	102	12.50	10.00	13
11/16	11	37	112	14.00	11.20	14
3/4	10	37	112	14.00	11.20	14
7/8	9	38	118	16.00	12.50	16
1	8	45	130	18.00	14.00	18
1.1/8	7	48	138	20.00	16.00	20
1.1/4	7	51	151	22.40	18.00	22
1.3/8	6	57	162	25.00	20.00	24
1.1/2	6	60	170	28.00	22.40	26
1.3/4	5	67	187	31.50	25.00	28
2	4.1/2	70	200	35.50	28.00	31
2.1/4	4	76	221	40.00	31.50	34
2.1/2	4	79	224	40.00	31.50	34
2.3/4	3.1/2	79	234	45.00	35.50	38
3	3.1/2	83	258	50.00	40.00	42
3.1/4	3.1/4	86	261	50.00	40.00	42
3.1/2	3.1/4	86	261	50.00	40.00	42
3.3/4	3	89	279	56.00	45.00	46
4	3	89	279	56.00	45.00	46

Dimensions in inch/mm  
Specifications conform to:  
BS 949 Part 1:1992

These taps are supplied in set of three - Taper, Second & Bottoming in non serial form with thread tolerance class 2 (Zone 3) unless otherwise specified.

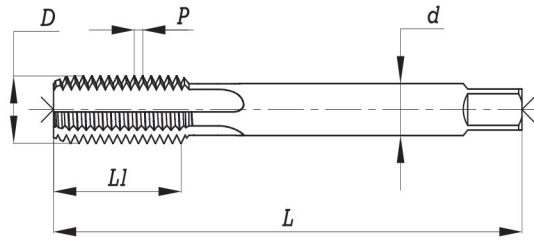


Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Thread per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
3/16	32	16	58	5.00	4.00	7
1/4	26	19	66	6.30	5.00	8
5/16	22	22	72	8.00	6.30	9
3/8	20	24	80	10.00	8.00	11
7/16	18	25	85	8.00	6.30	9
1/2	16	29	89	9.00	7.10	10
9/16	16	30	95	11.20	9.00	12
5/8	14	32	102	12.50	10.00	13
11/16	14	37	112	14.00	11.20	14
3/4	12	37	112	14.00	11.20	14
7/8	11	38	118	16.00	12.50	16
1	10	45	130	18.00	14.00	18
1.1/8	9	48	138	20.00	16.00	20
1.1/4	9	51	151	22.40	18.00	22
1.3/8	8	57	162	25.00	20.00	24
1.1/2	8	60	170	28.00	22.40	26
1.5/8	8	60	170	28.00	22.40	26
1.3/4	7	67	187	31.50	25.00	28
2	7	70	200	35.50	28.00	31
2.1/4	6	76	221	40.00	31.50	34
2.1/2	6	79	224	40.00	31.50	34
2.3/4	6	79	234	45.00	35.50	38
3	5	83	258	50.00	40.00	42

Dimensions in inch/mm  
Specifications conform to:  
BS 949 Part 1:1992

These taps are supplied in set of three - Taper, Second & Bottoming in non serial form with thread tolerance class 2 (Zone 3) unless otherwise specified.



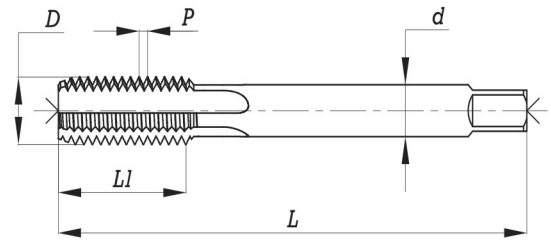
Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Thread per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/4	20	19	66	6.30	5.00	8
5/16	18	22	72	8.00	6.30	9
3/8	16	24	80	10.00	8.00	11
7/16	14	25	85	8.00	6.30	9
1/2	13	29	89	9.00	7.10	10
9/16	12	30	95	11.20	9.00	12
5/8	11	32	102	12.50	10.00	13
3/4	10	37	112	14.00	11.20	14
7/8	9	38	118	16.00	12.50	16
1	8	45	130	18.00	14.00	18
1.1/8	7	48	138	20.00	16.00	20
1.1/4	7	51	151	22.40	18.00	22
1.3/8	6	57	162	25.00	20.00	24
1.1/2	6	60	170	28.00	22.40	26
1.3/4	5	67	187	31.50	25.00	28
2	4.1/2	70	200	35.50	28.00	31
2.1/4	4.1/2	76	221	40.00	31.50	34
2.1/2	4	79	224	40.00	31.50	34
2.3/4	4	79	234	45.00	35.50	38
3	4	83	258	50.00	40.00	42
3.1/4	4	86	261	50.00	40.00	42
3.1/2	4	86	261	50.00	40.00	42
3.3/4	4	89	279	56.00	45.00	46
4	4	89	279	56.00	45.00	46

Dimensions in inch/mm  
Specifications conform to:  
BS 949 Part 1:1992

These taps are supplied in set of three - Taper, Second & Bottoming in non serial form with thread tolerance class 2 (Zone 3) unless otherwise specified

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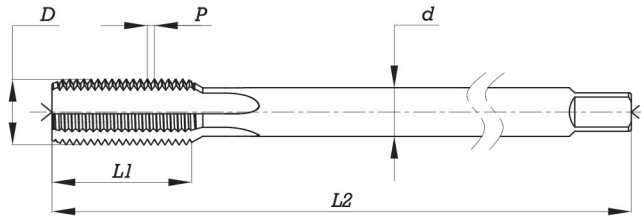
Application :  
These taps are used for producing internal threads by hand tapping.

Nominal Diameter	Thread per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/4	28	19	66	6.30	5.00	8
5/16	24	19	69	8.00	6.30	9
3/8	24	20	76	10.00	8.00	11
7/16	20	22	82	8.00	6.30	9
1/2	20	24	84	9.00	7.10	10
9/16	18	25	90	11.20	9.00	12
5/8	18	25	95	12.50	10.00	13
3/4	16	29	104	14.00	11.20	14
7/8	14	33	113	16.00	12.50	16
1	12	35	120	18.00	14.00	18
1.1/8	12	37	127	20.00	16.00	20
1.1/4	12	37	137	22.40	18.00	22
1.3/8	12	39	144	25.00	20.00	24
1.1/2	12	39	149	28.00	22.40	26

Dimensions in inch/mm  
Specifications conform to:  
BS 949 Part 1:1992

These taps are supplied in set of three - Taper, Second & Bottoming in non serial form with thread tolerance class 2 (Zone 3) unless otherwise specified.





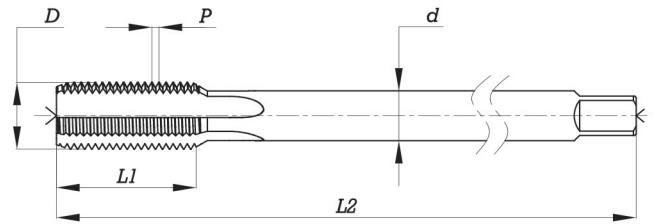
Application :  
These taps are used for producing internal threads for deep hole tapping applications.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M3	0.50	11	66	2.24	1.80	4
M3.5	0.60	13	68	2.50	2.00	4
M4	0.70	13	73	3.15	2.50	5
M4.5	0.75	13	73	3.55	2.80	5
M5	0.80	16	79	4.00	3.15	6
M6	1.00	19	89	4.50	3.55	6
M8	1.	22	97	6.30	5.00	8
M10	1.50	24	108	8.00	6.30	9
M12	2.	29	119	9.00	7.10	10
M14	2.00	30	127	11.20	9.00	12
M16	2.00	32	137	12.50	10.00	13
M18	2.50	37	149	14.00	11.20	14
M20	2.50	37	149	14.00	11.20	14
M22	2.50	38	158	16.00	12.50	16
M24	3.00	45	172	18.00	14.00	18
M27	3.00	45	180	20.00	16.00	20
M30	3.50	48	183	20.00	16.00	20
M33	3.50	51	201	22.40	18.00	22
M36	4.00	57	214	25.00	20.00	24
M39	4.00	60	225	28.00	22.40	26
M42	4.50	60	225	28.00	22.40	26
M45	4.50	67	247	31.50	25.00	28
M48	5.00	67	247	31.50	25.00	28
M52	5.00	70	265	35.50	28.00	31
M56	5.50	70	265	40.00	31.50	34
M64	6.00	79	297.	40.00	31.50	34
M68	6.00	79	312.	45.00	35.50	38

- Type A - 5 Deg: Taper angle with long taper lead
- Type B - 10 Deg: Taper angle with spiral point
- Type C - 20 Deg: Taper angle with short taper lead
- Type D - 10 Deg: Taper angle without spiral point

These taps are supplied with tolerance class, 6H

Sizes above M24 are not covered by;  
IS 6175 Part 4:2001,ISO 2283:1972 and BS 949 Part 1:1992



Application :

These taps are used for producing internal threads for deep hole tapping applications.

Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M3	0.35	17	66	2.24	1.80	4
M4	0.50	13	73	3.15	2.50	5
M5	0.50	16	76	4.00	3.15	6
M6	0.75	19	89	4.50	3.55	6
M8	1.00	19	97	6.30	5.00	8
M10	1.00	20	108	8.00	6.30	9
M10	1.25	20	108	8.00	6.30	9
M12	1.25	24	119	9.00	7.10	10
M12	1.50	29	119	9.00	7.10	10
M16	1.50	32	137	12.50	10.00	13
M20	1.50	29	142	14.00	11.20	14
M20	2.00	37	149	14.00	11.20	14
M24	1.50	35	172	18.00	14.00	18
M24	2.00	35	172	18.00	14.00	18
M30	1.50	37	172	20.00	16.00	20
M30	2.00	37	172	20.00	16.00	20
M36	1.50	39	197.	25.00	20.00	24
M36	2.00	39	197.	25.00	20.00	24
M36	3.00	57	215.	25.00	20.00	24
M42	1.50	39	204	28.00	22.40	26
M42	2.00	39	204	28.00	22.40	26
M42	3.00	60	225	28.00	22.40	26
M48	1.50	45	225	31.50	25.00	28
M48	2.00	45	225	31.50	25.00	28
M48	3.00	67	247	31.50	25.00	28
M52	1.50	45	240	35.50	28.00	31
M52	2.00	45	240	35.50	28.00	31
M52	3.00	70	265	35.50	28.00	31

Dimensions in mm

Specifications conform to :

IS 6175 Part 4:2001, ISO 2283:1972, BS 949 Part 1:1992

Type A - 5 Deg: Taper angle with long taper lead

Type B - 10 Deg: Taper angle with spiral point

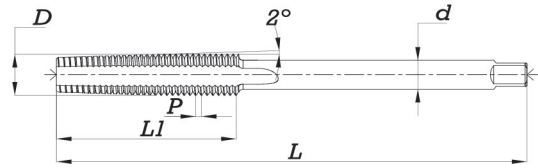
Type C - 20 Deg: Taper angle with short taper lead

Type D - 10 Deg: Taper angle without spiral point

These taps are supplied with tolerance class, 6H

Sizes above M24 are not covered by;

IS 6175 Part 4:2001,ISO 2283:1972 and BS 949 Part 1:1992



Application :  
These taps are used for producing internal threads of nuts.

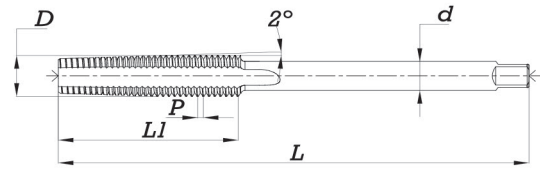
Nominal Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
M6	1.00	32	110	4.50	3.55	6.00
M8	1.25	40	125	6.30	5.00	8.00
M10	1.50	45	140	8.00	6.30	9.00
M12	1.75	50	180	9.00	7.10	10.00
M14	2.00	56	200	11.20	9.00	12.00
M16	2.00	63	200	12.50	10.00	13.00
M18	2.50	63	220	14.00	11.20	14.00
M20	2.50	70	250	14.00	11.20	14.00
M22	2.50	80	280	16.00	12.50	16.00
M24	3.00	80	280	18.00	14.00	18.00
M27	3.00	90	315	20.00	16.00	20.00
M30	3.50	100	315	20.00	16.00	20.00
M33	3.50	110	355	22.40	18.00	22.00
M36	4.00	110	400	25.00	20.00	24.00
M39	4.00	125	400	28.00	22.40	26.00
M42	4.50	125	450	28.00	22.40	26.00
M45	4.50	140	500	31.50	25.00	28.00
M48	5.00	140	500	31.50	25.00	28.00

Dimensions in mm  
Specifications conform to :  
IS 6175 Part 5:2001

These taps are supplied with thread tolerance class 6H

Taper lead 2°

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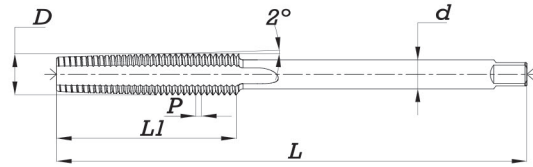
Application :  
These taps are used for producing internal threads of nuts.

Nominal Diameter	Threads per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/4	20	38	110	4.50	3.55	6.00
5/16	18	42	120	6.00	4.50	7.00
3/8	16	48	140	7.00	5.60	8.00
7/16	14	55	160	8.00	6.30	9.00
1/2	12	64	180	9.00	7.10	10.00
9/16	12	64	200	11.20	9.00	12.00
5/8	11	70	200	12.50	10.00	13.00
3/4	10	76	250	14.00	11.20	14.00
7/8	9	85	280	16.00	12.50	16.00
1	8	95	280	18.00	14.00	18.00
1.1/8	7	109	315	20.00	16.00	20.00
1.1/4	7	109	355	22.40	18.00	22.00
1.1/2	6	127	400	28.00	22.40	26.00
1.3/4	5	153	500	31.50	25.00	28.00
2	4.1/2	170	560	35.50	28.00	31.00

Dimensions in inch/mm  
Specifications conform to :  
BS 949:1969

These taps are usually supplied with thread tolerance class zone 3

Taper lead 2°



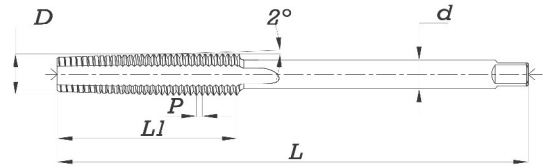
Application :  
These taps are used for producing internal threads of nuts.

Nominal Diameter	Threads per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/4	26	30	110	4.50	3.55	6.00
5/16	22	35	120	6.00	4.50	7.00
3/8	20	38	140	7.00	5.60	8.00
7/16	18	43	160	8.00	6.30	9.00
1/2	16	48	180	9.00	7.10	10.00
9/16	16	48	200	11.20	9.00	12.00
5/8	14	55	200	12.50	10.00	13.00
3/4	12	64	250	14.00	11.20	14.00
7/8	11	70	280	16.00	12.50	16.00
1	10	76	280	18.00	14.00	18.00
1.1/8	9	85	315	20.00	16.00	20.00
1.1/4	9	85	355	22.40	18.00	22.00
1.3/8	8	95	400	25.00	20.00	24.00
1.1/2	8	95	400	28.00	22.40	26.00
1.5/8	8	95	450	28.00	22.40	26.00
1.3/4	7	109	500	31.50	25.00	28.00
2	7	109	560	35.50	28.00	31.00

Dimensions in mm  
Specifications conform to :  
BS 949:1969

These taps are usually supplied with thread tolerance class zone 3

Taper lead 2°



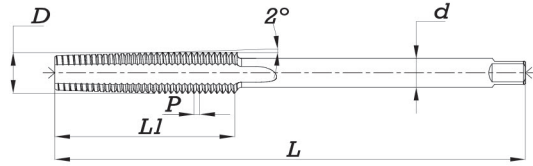
Application :  
These taps are used for producing internal threads of nuts.

Nominal Diameter	Threads per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/4	20	38	110	4.50	3.55	6.00
5/16	18	43	125	6.00	4.50	7.00
3/8	16	48	140	7.00	5.60	8.00
7/16	14	55	160	8.00	6.30	9.00
1/2	13	59	180	9.00	7.10	10.00
9/16	12	64	200	11.20	9.00	12.00
5/8	11	70	200	12.50	10.00	13.00
3/4	10	76	250	14.00	11.20	14.00
7/8	9	85	280	16.00	12.50	16.00
1	8	95	280	18.00	14.00	18.00
1.1/8	7	109	315	20.00	16.00	20.00
1.1/4	7	109	355	22.40	18.00	22.00
1.3/8	6	127	400	25.00	20.00	24.00
1.1/2	6	127	400	28.00	22.40	26.00
1.3/4	5	153	500	31.50	25.00	28.00
2	4.1/2	170	560	35.50	28.00	31.00

Dimensions in inch/mm  
Specifications conform to :  
BS 949:1969

These taps are usually supplied with thread tolerance class zone 3

Taper lead 2°



BS 949
HSS
ZONE-3
60°
BRIGHT

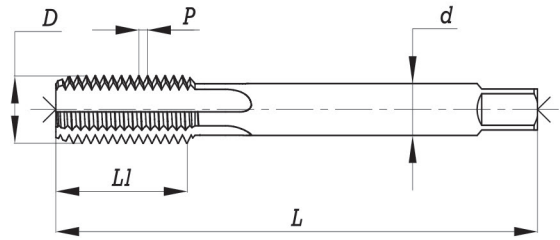
Application :  
These taps are used for producing internal threads of nuts.

Nominal Diameter	Threads per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/4	28	28	110	4.50	3.55	6.00
5/16	24	32	125	6.00	4.50	7.00
3/8	24	32	140	7.00	5.60	8.00
7/16	20	38	160	8.00	6.30	9.00
1/2	20	38	180	9.00	7.10	10.00
9/16	18	43	200	11.20	9.00	12.00
5/8	18	43	200	12.50	10.00	13.00
3/4	16	48	250	14.00	11.20	14.00
7/8	14	55	280	16.00	12.50	16.00
1	12	64	280	18.00	14.00	18.00
1.1/8	12	64	315	20.00	16.00	20.00
1.1/4	12	64	355	22.40	18.00	22.00
1.3/8	12	64	400	25.00	20.00	24.00
1.1/2	12	64	400	28.00	22.40	26.00

Dimensions in mm  
Specifications conform to :  
BS 949:1969

These taps are usually supplied with thread tolerance class zone 3

Taper lead 2°



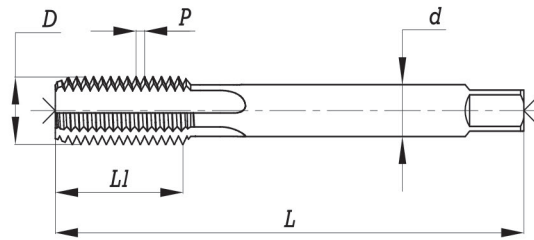
Application :  
These taps are used for producing internal threads of BS Cycle thread forms.

Nominal Diameter	Threads per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/4	26	19	66	6.30	5.00	8
5/16	26	19	69	8.00	6.30	9
3/8	26	20	76	10.00	8.00	11
7/16	26	22	82	8.00	6.30	9
1/2	26	24	84	9.00	7.10	10
9/16	26	25	90	11.20	9.00	12
5/8	26	25	95	12.50	10.00	13
11/16	26	29	104	14.00	11.20	14
3/4	26	29	104	14.00	11.20	14
7/8	24	33	113	16.00	12.50	16
1	24	35	120	18.00	14.00	18
1.1/8	26	37	127	20.00	16.00	20
1-9-16	24	39	149	28.00	22.40	26
1.5/8	24	39	149	28.00	22.40	26

Dimensions in inch/mm  
Specifications conform to :  
BS 949 Part 1:1992

These taps are usually supplied in set of three - Taper, Second & Bottoming with thread tolerance Zone 3



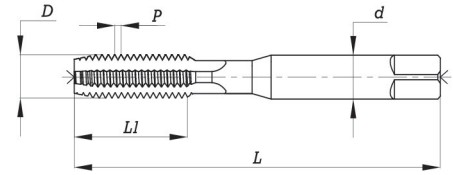


Application :  
These taps are used for producing internal threads of BS Conduit thread forms.

Nominal Diameter	Threads per inch	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
					Size (h11)	Length
1/2	18	24	84	9.00	7.10	10
5/8	18	25	95	12.50	10.00	13
3/4	16	29	104	14.00	11.20	14
1	16	35	120	18.00	14.00	18
1.1/4	16	37	137	22.40	18.00	22
1.1/2	14	39	149	28.00	22.40	26
2	14	45	175	35.50	28.00	31

Dimensions in mm  
Specifications conform to :  
BS 949 Part 1:1992

These taps are usually supplied in set of three - Taper, Second & Bottoming with thread tolerance Zone 3

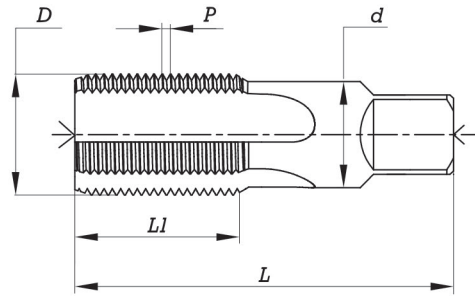


Application :  
These taps are used for producing internal threads of BA thread forms.

Designating Number	Basic Diameter	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
						Size (h11)	Length
6	2.80	0.530	10.	44.50	02.80	02.24	6
5	3.20	0.590	11	48.00	03.15	02.50	5
4	3.60	0.660	13	50.00	03.55	02.80	5
3	4.10	0.730	13	53.00	04.50	03.55	6
2	4.70	0.810	16	58.00	05.00	04.00	7
1	5.30	0.900	17	62.00	05.60	04.50	7
0	6.00	1.000	19	66.00	06.30	05.00	8

Dimensions in mm  
Specifications conform to :  
BS 949 Part 1:1992

These taps are usually supplied in set of three - Taper, Second & Bottoming with thread tolerance Zone 3



**Application :**

These taps are used for producing internal threads of Parallel pipe thread forms.

Nominal Size	Thread per inch	Basic major diameter	Thread Length (L1)	Overall Length (L)	Shank diameter	Square	
						Size (h11)	Length
1/8	28	0.383	3/4	2.1/8	0.318	0.238	5/16
1/4	19	0.518	1-1-16	2-7-16	0.429	0.322	7/16
3/8	19	0.656	1-1-16	2-9-16	0.542	0.406	1/2
1/2	14	0.825	1.3/8	3.1/8	0.687	0.515	5/8
*5/8	14	0.902	1.3/8	3-3-16	0.800	0.600	1-1-16
3/4	14	1.041	1.3/8	3.1/4	0.906	0.679	1-1-16
*7/8	14	1.189	1-9-16	3.1/2	1.093	0.812	3/4
1	11	1.309	1.3/4	3.3/4	1.125	0.843	1-3-16
1.1/4	11	1.650	1.3/4	4	1.312	0.984	1-5-16
1.1/2	11	1.882	1.3/4	4.1/4	1.500	1.125	1
1.3/4	11	2.116	1.3/4	4.3/8	1.625	1.218	1-1-16
2	11	2.347	1.3/4	4.1/2	1.875	1.406	1.1/8
2.1/4	11	2.587	2.1/8	5	2.000	1.500	1-3-16
2.1/2	11	2.960	2-9-16	5.1/2	2.250	1.687	1.1/4
2.3/4	11	3.210	2-9-16	5.3/4	2.375	1.781	1-5-16
3	11	3.460	2.5/8	6	2.625	1.968	1.3/8
3.1/2	11	3.950	2-11-16	6.1/2	2.812	2.108	1.1/2
4	11	4.450	2.3/4	6.3/4	3.000	2.250	1.5/8

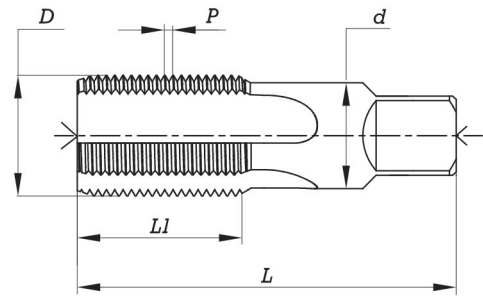
Dimensions in mm

Specifications conform to :

BS 949:1969

These taps are usually supplied in set of two - Taper & Bottoming with thread tolerance class Zone 3

S  
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Application :

These taps are used for producing internal threads of Parallel pipe thread forms.

Size Sie	Thread per inch	Major Dia. Min.	Basic Pitch Dia.	Effective Dia		Thread Length (L1)	Overall Length (L)	Shank dia (d) (h9)	Square	
				Min.	Max.				Size (h11)	Length
G1/8	28	9.760	9.147	9.168	9.190	15	59	8.00	6.30	9.00
G1/4	19	13.195	12.301	12.326	12.351	19	67	10.00	8.00	11.00
G3/8	19	16.700	15.806	15.831	15.856	21	75	12.50	10.00	13.00
G1/2	14	20.998	19.793	19.821	19.850	26	87	16.00	12.50	16.00
G5/8	14	22.954	21.749	21.777	21.806	26	91	18.00	14.00	18.00
G3/4	14	26.484	25.279	25.307	25.336	28	96	20.00	16.00	20.00
G7/8	14	30.244	29.039	29.067	29.096	29	102	22.40	18.00	22.00
G1	11	33.303	31.770	31.806	31.842	33	109	25.00	20.00	24.00
G1.1/8	11	37.951	36.418	36.454	36.490	34	115	28.00	22.40	26.00
G1.1/4	11	41.964	40.431	40.467	40.503	36	119	31.50	25.00	28.00
G1.1/2	11	47.857	46.324	46.360	46.395	37	125	35.50	28.00	31.00
G1.3/4	11	53.800	52.267	52.303	52.339	39	132	35.50	28.00	31.00
G2	11	59.668	58.135	58.171	58.207	41	140	40.00	31.50	34.00
G2.1/4	11	65.775	64.231	64.274	64.318	42	142	40.00	31.50	34.00
G2.1/2	11	75.249	73.706	73.748	73.792	45	153	45.00	35.50	38.00
G2.3/4	11	81.599	80.055	80.098	80.142	46	160	50.00	40.00	42.00
G3	11	87.949	86.405	86.448	86.492	48	164	50.00	40.00	42.00
G3.1/2	11	100.395	98.851	98.894	98.938	50	173	63.00	50.00	51.00
G4	11	113.095	111.551	111.594	111.638	53	185	71.00	56.00	56.00

Dimensions in mm

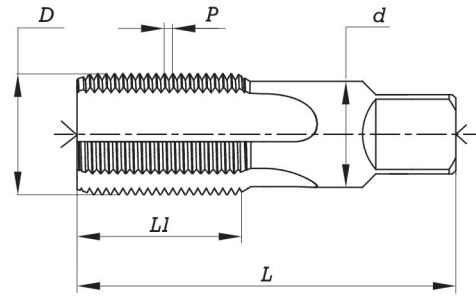
Specifications conform to :

IS 6175 Part 6:2002

ISO 2284:1987

BS 949 Part 3:1993

These taps are usually supplied in set of two - Taper & Bottoming

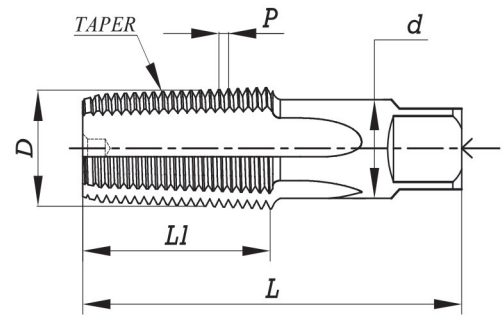


Application :  
These taps are used for producing internal threads of Parallel pipe thread forms.

Size	Nominal dia	Thread per inch	Major Dia. Min.	Basic Pitch Dia.	Effective Dia		Thread Length (L1)	Overall Length (L)	Shank dia (d) (h9)	Square	
					Min.	Max.				Size (h11)	Length
Rp1/16	7.723	28	7.680	7.142	7.099	7.128	14	52	05.60	04.50	7
Rp1/8	9.728	28	9.685	9.147	9.104	9.133	15	59	08.00	06.30	9
Rp1/4	13.157	19	13.094	12.301	12.238	12.280	19	67	10.00	08.00	11
Rp3/8	16.662	19	16.599	15.806	15.743	15.785	21	75	12.50	10.00	13
Rp1/2	20.995	14	20.869	19.793	19.707	19.764	26	87	16.00	12.50	16
Rp3/4	26.441	14	26.355	25.279	25.193	25.250	28	96	20.00	16.00	20
Rp1	33.249	11	33.140	31.770	31.661	31.733	33	109	25.00	20.00	24
Rp1.1/4	41.910	11	41.801	40.431	40.322	40.394	36	119	31.50	25.00	28
Rp1.1/2	47.803	11	47.694	46.324	46.215	46.287	37	125	35.50	28.00	31
Rp2	59.614	11	59.505	58.135	58.026	58.098	41	140	40.00	31.50	34
Rp2.1/2	75.184	11	75.054	73.705	73.575	73.662	45	153	45.00	35.50	38
Rp3	87.884	11	87.754	86.405	86.275	86.362	48	164	50.00	40.00	42
Rp4	113.030	11	112.900	111.551	111.421	111.508	53	185	71.00	56.00	56

Dimensions in mm  
Specifications conform to :  
IS 6175 Part 7:2002  
ISO 2284:1987  
BS 949 Part 3:1993

These taps are usually supplied in set of two - Taper & Bottoming

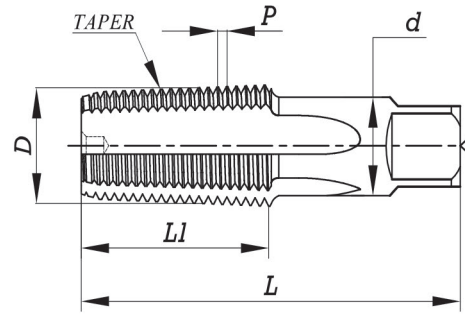


Application :  
These taps are used for producing internal threads of Taper pipe thread forms.

Designation	Nominal Dia	Thread per inch	Thread Length (L1)	Overall Length (L)	Shank dia (d)	Square	
						Size (h11)	Length
Rc1/8	9.728	28	15	59	8	06.30	9
Rc1/4	13.157	19	19	67	10	08.00	11
Rc3/8	16.662	19	21	75	13.	10.00	13
Rc1/2	20.955	14	26	87	16	12.50	16
Rc3/4	26.441	14	28	96	20	16.00	20
Rc1	33.249	11	33	109	25	20.00	24
Rc1.1/4	41.910	11	36	119	32.	25.00	28
Rc1.1/2	47.803	11	37	125	36.	28.00	31
Rc2	59.614	11	41	140	40	31.50	34
Rc2.1/2	75.184	11	45	153	45	35.50	38
Rc3	87.884	11	48	164	50	40.00	42
Rc4	113.030	11	53	185	71	56.00	56

Dimensions in mm  
Specifications conform to :  
IS 6175 Part 8:2002  
ISO 2284:1987  
BS 949 Part 3:1993

These taps are usually supplied in set of two - Rougher & Finisher in serial thread form

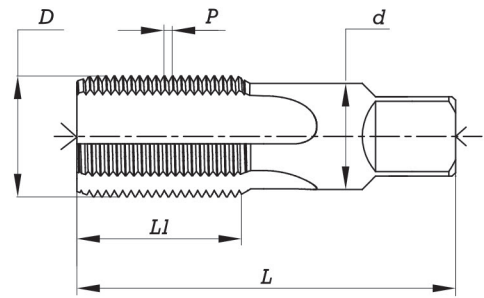


Application :  
These taps are used for producing internal threads of Taper pipe thread forms.

Nominal Size	Thread per inch	Basic or gauge dia of thread	Diameter		Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
			Large End	Small End (Before Chamfering)				Size (h11)	Length
1/8	28	0.383	0.399	0.352	3/4	2.1/8	0.318	0.238	5/16
1/4	19	0.518	0.534	0.467	1-1-16	2-7-16	0.429	0.322	7/16
3/8	19	0.656	0.672	0.605	1-1-16	2-9-16	0.542	0.406	1/2
1/2	14	0.825	0.848	0.763	1.3/8	3.1/8	0.687	0.515	5/8
3/4	14	1.041	1.064	0.979	1.3/8	3.1/4	0.906	0.679	11/16
1	11	1.309	1.340	1.231	1.3/4	3.3/4	1.125	0.843	13/16
1.1/4	11	1.650	1.681	1.572	1.3/4	4	1.312	0.984	15/16
1.1/2	11	1.882	1.913	1.804	1.3/4	4.1/4	1.500	1.125	1
2	11	2.347	2.378	2.269	1.3/4	4.1/2	1.875	1.406	1.1/8
2.1/2	11	2.960	2.995	2.835	2-9-16	5.1/2	2.250	1.687	1.1/4
3	11	3.460	3.495	3.331	2.5/8	6	2.625	1.968	1.3/8
3.1/2	11	3.950	3.989	3.821	2-11-16	6.1/2	2.812	2.108	1.1/2
4	11	4.450	4.489	4.317	2.3/4	6.3/4	3.000	2.250	1.5/8

Dimensions in inches  
Specifications conform to :  
BS 949:1969

These taps are usually supplied in set of two - Rougher and Finisher in serial thread form.



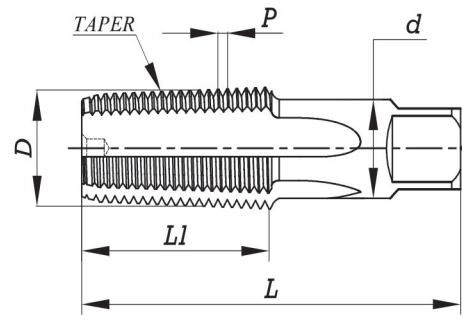
Application :  
These taps are used for producing internal threads of Parallel pipe thread forms.

Nominal Size	Thread per inch	Basic or gauge dia of thread	Thread Length (L1)	Overall Length (L)	Shank diameter (d)(h9)	Square	
						Size (h11)	Length
1/16	27	0.3108	11/16	2.1/8	0.318	0.238	5/16
1/8	27	0.4044	3/4	2.1/8	0.318	0.238	5/16
1/4	18	0.5343	1-1-16	2-7-16	0.429	0.322	7/16
3/8	18	0.6714	1-1-16	2-9-16	0.542	0.406	1/2
1/2	14	0.8356	1.3/8	3.1/8	0.687	0.515	5/8
3/4	14	1.0460	1.3/8	3.1/4	0.906	0.679	11/16
1	11.1/2	1.3082	1.3/4	3.3/4	1.125	0.843	13/16
1.1/4	11.1/2	1.6530	1.3/4	4	1.312	0.984	15/16
1.1/2	11.1/2	1.8919	1.3/4	4.1/4	1.500	1.125	1
2	11.1/2	2.3658	1.3/4	4.1/2	1.875	1.406	1.1/8
2.1/2	8	2.8622	2-9-16	5.1/2	2.250	1.687	1.1/4
3	8	3.4885	2.5/8	6	2.625	1.968	1.3/8
3.1/2	8	3.9888	2-11-16	6.1/2	2.812	2.108	1.1/2
4	8	4.	2.3/4	6.3/4	3.000	2.250	1.5/8

Dimensions in inches  
Specifications conform to:  
BS 949:1969

These taps are usually supplied in set of two - Taper & Bottoming





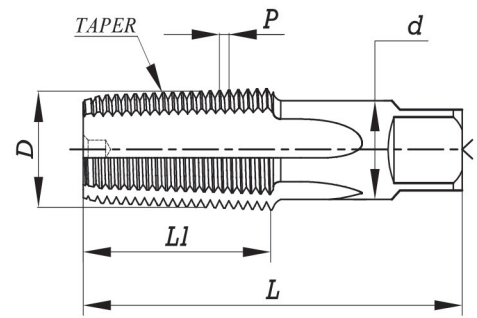
BS 949
HSS
ZONE-3
60°
BRIGHT

Application :  
These taps are used for producing internal threads of Taper pipe thread forms.

Nominal Size	Thread per inch	Basic or gauge dia of thread	Diameter		Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
			Large End	Small End (Before Chamfering)				Size (h11)	Length
1/16	27	0.3108	0.324	0.281	11/16	2.1/8	0.318	0.238	5/16
1/8	27	0.4044	0.420	0.373	3/4	2.1/8	0.318	0.238	5/16
1/4	18	0.5343	0.559	0.493	1-1-16	2-7-16	0.429	0.322	7/16
3/8	18	0.6714	0.694	0.628	1-1-16	2-9-16	0.542	0.406	1/2
1/2	14	0.8356	0.865	0.779	1.3/8	3.1/8	0.687	0.515	5/8
3/4	14	1.0460	1.075	0.989	1.3/8	3.1/4	0.906	0.679	11/16
1	11.1/2	1.3082	1.350	1.240	1.3/4	3.3/4	1.125	0.843	13/16
1.1/4	11.1/2	1.6530	1.393	1.584	1.3/4	4	1.312	0.984	15/16
1.1/2	11.1/2	1.8919	1.932	1.822	1.3/4	4.1/4	1.500	1.125	1
2	11.1/2	2.3658	2.405	2.297	1.3/4	4.1/2	1.875	1.406	1.1/8
2.1/2	8	2.8622	2.921	2.761	2-9-16	5.1/2	2.250	1.687	1.1/4
3	8	3.4885	3.547	3.383	2.5/8	6	2.625	1.968	1.3/8
3.1/2	8	3.9888	4.047	3.879	2-11-16	6.1/2	2.812	2.108	1.1/2
4	8	4.4871	4.547	4.375	2.3/4	6.3/4	3.000	2.250	1.5/8

Dimensions in inches  
Specifications conform to:  
BS 949:1969

These taps are usually supplied in set of two - Rougher and Finisher in serial thread form.

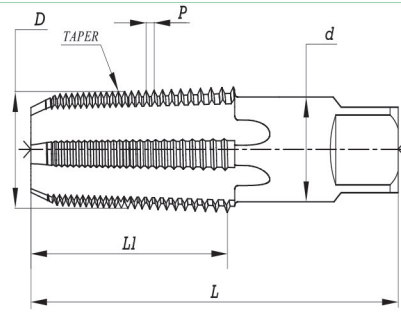
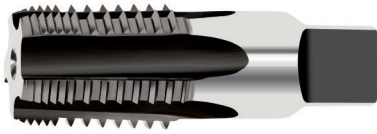


Application :  
These taps are used for producing internal threads of Taper pipe thread forms.

Nominal Diameter (D)	Thread per Inch	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
1/16	27	11/16	2.1/8	0.3125	0.234	3/8
1/8	27	3/4	2.1/8	0.4375	0.328	3/8
1/4	18	1-1-16	2-7-16	0.5625	0.421	7/16
3/8	18	1-1-16	2-9-16	0.7000	0.531	1/2
1/2	14	1.3/8	3.1/8	0.6875	0.515	5/8
3/4	14	1.3/8	3.1/4	0.9063	0.679	11/16
1	11.1/2	1.3/4	3.3/4	1.1250	0.843	13/16
1.1/4	11.1/2	1.3/4	4	1.3125	0.984	15/16
1.1/2	11.1/2	1.3/4	4.1/4	1.5000	1.125	1
2	11.1/2	1.3/4	4.1/2	1.8750	1.406	1.1/8

Dimensions in inches  
Specifications conform to:  
ANSI B 94.9 : 1971

These taps are usually supplied in set of two - Rougher & Finisher in serial thread form.



Application :  
These taps are used for producing internal threads in taper pipe pressure joints.

ITM Drawing no	Nominal size	Thread per inch	Max Thread Dia	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square uare Siz	
							Size	Length
M-22-531	3/4	14	1.0770	2.1/2	4.1/2	0.750	-	-
M-22-574	3/4	14	1.0770	3.30	5.30	0.750		
M-22-535	3/4	14	1.0750	1.3/8	3.1/4	0.906	0.679	11/16

Dimensions in inches

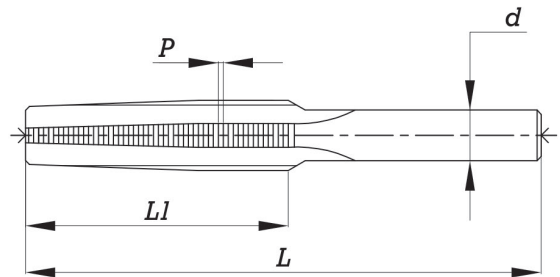
Specifications conform to :

ITM Standard

These taps are usually supplied in set of one.

Taps with locking slot having interrupted threads as per ITM Drawing No. M-22-531.

Taps with driving square without interruption as per ITM Drawing No. M-22-574 and M-22-585.



Application :  
These taps are used for producing internal threads of nuts in fastener industries.

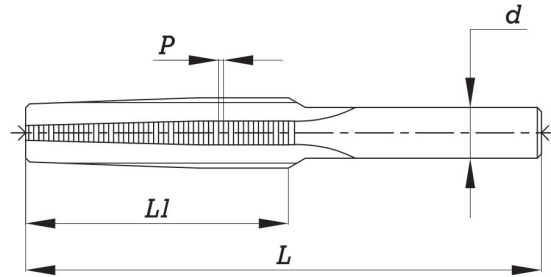
Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)
M3	0.50	15.00	60.00	2.30
M4	0.70	21.00	65.00	3.00
M5	0.80	21.00	70.00	3.80
M6	1.00	30.00	70.00	4.50
M8	1.25	38.00	90.00	6.05
M10	1.50	45.00	95.00	7.80
M12	1.75	53.00	102.00	9.50
M14	2.00	60.00	114.00	11.20
M16	2.00	60.00	127.00	13.10
M18	2.50	75.00	133.00	14.50
M20	2.50	75.00	133.00	16.50
M22	2.50	75.00	146.00	18.50
M24	3.00	90.00	165.00	19.80

Dimensions in mm

Specifications conform to:

ITM Standard

These taps are usually supplied in set of one piece with thread tolerance 6H



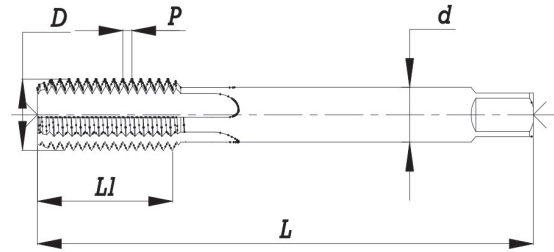
**Application :**

These taps are used for producing internal threads of nuts in fastener industries.

Nominal Diameter (D)	Thread Per Inch	Thread Length (L1)	Overall Length (L)	Shank diameter (d)
1/8	40	19.00	60.00	2.20
3/16	24	32.00	75.00	3.00
1/4	20	38.00	85.00	4.50
5/16	18	42.00	90.00	6.00
3/8	16	48.00	95.00	7.30
7/16	14	55.00	102.00	8.60
1/2	12	64.00	110.00	9.50
9/16	12	64.00	114.00	11.40
5/8	11	69.00	127.00	12.70
3/4	10	76.00	133.00	15.50
7/8	9	85.00	146.00	18.50
1	8	95.00	165.00	21.00

These taps are usually supplied in set of one piece with thread tolerance Zone 3

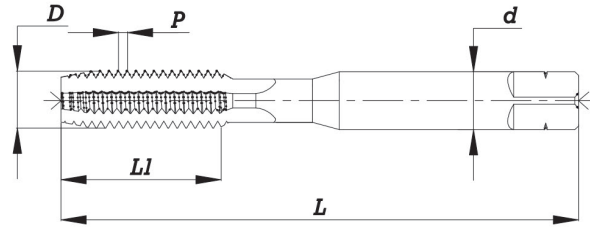
Specifications conform to :  
ITM Standard



Application :  
These taps are used for producing internal threads with higher sizes, to accommodate the helicoil inserts.

Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	13	53	4.00	3.15	6
M3.5	0.60	13	53	4.50	3.55	6
M4	0.70	16	58	5.00	4.00	7
M4.5	0.75	17	62	5.60	4.50	7
M5	0.80	19	66	6.30	5.00	8
M6	1.00	19	69	8.00	6.30	9
M7	1.00	19	69	9.00	7.10	10
M8	1.25	20	76	10.00	8.00	11
M10	1.50	29	89	9.00	7.10	10
M12	1.75	30	95	11.20	9.00	12
M14	2.00	32	102	12.50	10.00	13
M16	2.00	37	112	14.00	11.20	14
M18	2.50	38	118	16.00	12.50	16
M20	2.50	38	118	16.00	12.50	16
M22	2.50	45	130	18.00	14.00	18
M24	3.00	45	135	20.00	16.00	20

Dimension in mm:  
Specifications confirm to:  
BS 4377 : 1980



**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.

Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	11	56	3.50	2.70	6
M3.5	0.60	12	56	4.00	3.00	6
M4	0.70	13	63	4.50	3.40	6
M4.5	0.75	16	70	6.00	4.90	8
M5	0.80	16	70	6.00	4.90	8
M6	1.00	19	80	6.00	4.90	8
M7	1.00	19	80	7.00	5.50	8
M8	1.25	22	90	8.00	6.20	9
M9	1.25	22	90	9.00	7.00	10
M10	1.50	24	100	10.00	8.00	11

Dimension in mm

Specifications conform to:

DIN 371: 1971



These Taps are also available in:

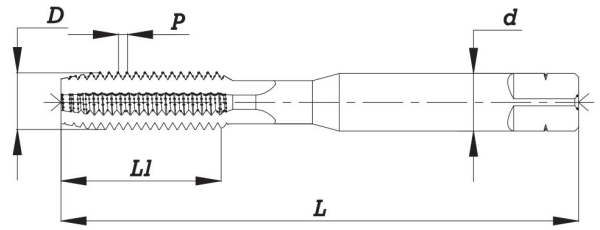


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**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	11	48	3.15	2.50	5
M3.5	0.60	13	50	3.55	2.80	5
M4	0.70	13	53	4.00	3.15	6
M4.5	0.75	13	53	4.50	3.55	6
M5	0.80	16	58	5.00	4.00	7
M6	1.00	19	66	6.30	5.00	8
M7	1.00	19	66	7.10	5.60	8
M8	1.25	22	72	8.00	6.30	9
M9	1.25	22	72	9.00	7.10	10
M10	1.50	24	80	10.00	8.00	11

Dimension in mm

Specifications conform to:  
IS 6175 : Part 2: 2002



These Taps are also available in:



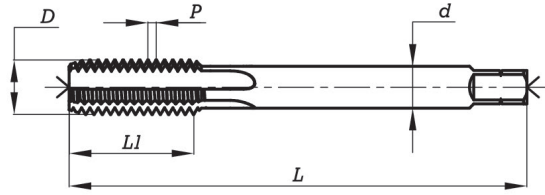
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**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	11.00	56.00	2.20	-	-
M3.5	0.60	12.00	56.00	2.50	2.10	5.00
M4	0.70	13.00	63.00	2.80	2.10	5.00
M4.5	0.75	16.00	70.00	3.50	2.70	6.00
M5	0.80	16.00	70.00	3.50	2.70	6.00
M6	1.00	19.00	80.00	4.50	3.40	6.00
M7	1.00	19.00	80.00	5.50	4.30	7.00
M8	1.25	22.00	90.00	6.00	4.90	8.00
M9	1.25	22.00	90.00	7.00	5.50	8.00
M10	1.50	24.00	100.00	7.00	5.50	8.00
M11	1.50	24.00	100.00	8.00	6.20	9.00
M12	1.75	28.00	110.00	9.00	7.00	10.00
M14	2.00	30.00	110.00	11.00	9.00	12.00
M16	2.00	32.00	110.00	12.00	9.00	12.00

Dimension in mm:  
Specifications confirm to:  
DIN 376 : 1971



These Taps are also available in:

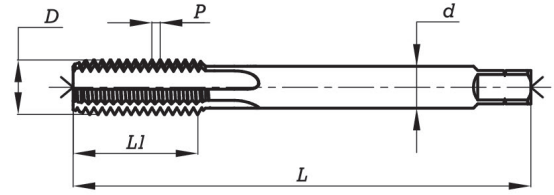


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**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	11	48	2.24	1.80	4
M3.5	0.60	13	50	2.50	2.00	4
M4	0.70	13	53	3.15	2.50	5
M4.5	0.75	13	53	3.55	2.80	5
M5	0.80	16	58	4.00	3.15	6
M6	1.00	19	66	4.50	3.55	6
M7	1.00	19	66	5.60	4.50	7
M8	1.25	22	72	6.30	5.00	8
M9	1.25	22	72	7.10	5.60	8
M10	1.50	24	80	8.00	6.30	9
M11	1.50	25	85	8.00	6.30	9
M12	1.75	29	89	9.00	7.10	10
M14	2.00	30	95	11.20	9.00	12
M16	2.00	32	102	12.50	10.00	13

Dimension in mm

Specifications conform to:

IS 6175 : Part 3 : 2002



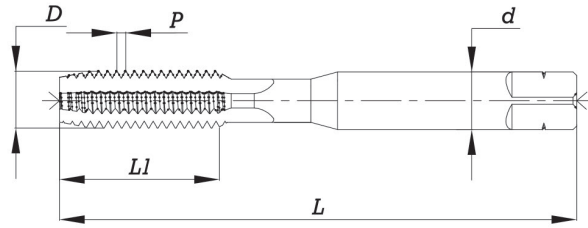
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**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.35	11	48	3.15	2.50	5
M3.5	0.35	13	50	3.55	2.80	5
M4	0.50	13	53	4.00	3.15	6
M4.5	0.50	13	53	4.50	3.55	6
M5	0.50	16	58	5.00	4.00	7
M5.5	0.50	17	62	5.60	4.50	7
M6	0.75	19	66	6.30	5.00	8
M7	0.75	19	66	7.10	5.60	8
M8	0.75	16	66	8.00	6.30	9
M8	1.00	19	69	8.00	6.30	9
M9	0.75	16	66	9.00	7.10	10
M9	1.00	19	69	9.00	7.10	10
M10	0.75	17	73	10.00	8.00	11
M10	1.00	20	76	10.00	8.00	11
M10	1.25	20	76	10.00	8.00	11

Dimension in mm:  
Specifications confirm to:  
IS 6175 : Part 2 : 2002



These Taps are also available in:

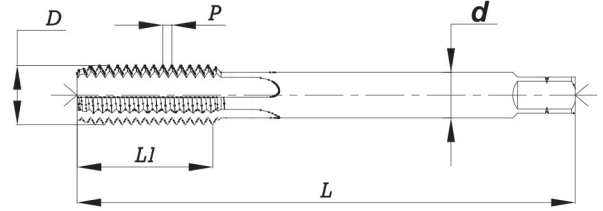


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**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.35	11	48	2.24	1.80	4
M3.5	0.35	13	50	2.50	2.00	4
M4	0.50	13	53	3.15	2.50	5
M4.5	0.50	13	53	3.55	2.80	5
M5	0.50	16	58	4.00	3.15	6
M5.5	0.50	17	62	4.00	3.15	6
M6	0.75	19	66	4.50	3.55	6
M7	0.75	19	66	5.60	4.50	7
M8	0.75	16	66	6.30	5.00	8
M8	1.00	19	69	6.30	5.00	8
M9	0.75	16	66	7.10	5.60	8
M9	1.00	19	69	7.10	5.60	8
M10	0.75	17	73	8.00	6.30	9
M10	1.00	20	76	8.00	6.30	9
M10	1.25	20	76	8.00	6.30	9
M11	0.75	20	80	8.00	6.30	9
M11	1.00	20	80	8.00	6.30	9
M12	1.00	20	80	9.00	7.10	10
M12	1.25	24	84	9.00	7.10	10
M12	1.50	29	89	9.00	7.10	10
M14	1.00	22	87	11.20	9.00	12
M14	1.25	25	90	11.20	9.00	12
M14	1.50	30	95	11.20	9.00	12
M15	1.00	22	87	11.20	9.00	12
M15	1.50	30	95	11.20	9.00	12
M16	1.00	22	92	12.50	10.00	13
M16	1.50	32	102	12.50	10.00	13

Dimension in mm  
Specifications conform to:  
IS 6175 : Part 3 : 2002

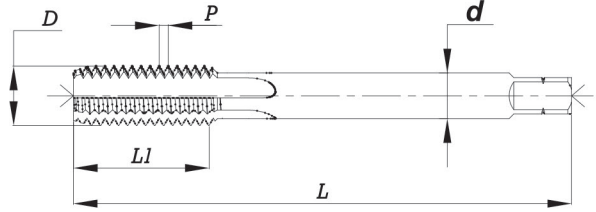


These Taps are also available in:



**OUTPUT 20-25% MORE THAN PANTHER !**

**OUTPUT 40-80% MORE THAN PANTHER !**



**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.35	8.00	56.00	2.20	-	-
M3.5	0.35	9.00	56.00	2.50	2.10	5.00
M4	0.50	10.00	63.00	2.80	2.10	5.00
M4.5	0.50	12.00	70.00	3.50	2.70	6.00
M5	0.50	12.00	70.00	3.50	2.70	6.00
M5.5	0.50	12.00	80.00	4.00	3.00	6.00
M6	0.75	14.00	80.00	4.50	3.40	6.00
M7	0.75	14.00	80.00	5.50	4.30	7.00
M8	0.75	18.00	80.00	6.00	4.90	8.00
M8	1.00	22.00	90.00	6.00	4.90	8.00
M9	0.75	18.00	80.00	7.00	5.50	8.00
M9	1.00	22.00	90.00	7.00	5.50	8.00
M10	0.75	20.00	90.00	7.00	5.50	8.00
M10	1.00	20.00	90.00	7.00	5.50	8.00
M10	1.25	24.00	100.00	7.00	5.50	8.00
M11	0.75	20.00	90.00	8.00	6.20	9.00
M11	1.00	20.00	90.00	8.00	6.20	9.00
M12	1.00	22.00	100.00	9.00	7.00	10.00
M12	1.25	22.00	100.00	9.00	7.00	10.00
M12	1.50	22.00	100.00	9.00	7.00	10.00
M14	1.00	22.00	100.00	11.00	9.00	12.00
M14	1.25	22.00	100.00	11.00	9.00	12.00
M14	1.50	22.00	100.00	11.00	9.00	12.00
M15	1.00	22.00	100.00	12.00	9.00	12.00
M15	1.50	22.00	100.00	12.00	9.00	12.00
M16	1.00	22.00	100.00	12.00	9.00	12.00
M16	1.50	22.00	100.00	12.00	9.00	12.00

Dimension in mm:  
Specifications confirm to:  
IS 6175 : Part 3 : 2002

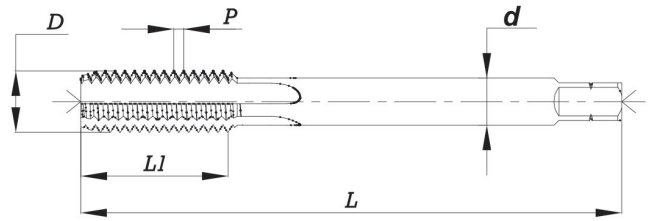


These Taps are also available in:



**OUTPUT 20-25% MORE THAN PANTHER !**

**OUTPUT 40-80% MORE THAN PANTHER !**



**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M6	1.00	19	89	4.50	3.55	6
M7	1.00	19	89	5.60	4.50	7
M8	1.25	22	97	6.30	5.00	8
M9	1.25	22	97	7.10	5.60	8
M10	1.50	24	108	8.00	6.30	9
M11	1.50	25	115	8.00	6.30	9
M12	1.75	29	119	9.00	7.10	10
M14	2.00	30	127	11.20	9.00	12
M16	2.00	32	137	12.50	10.00	13

Dimension in mm

Specifications conform to:  
IS 6175 : Part 4 : 2002



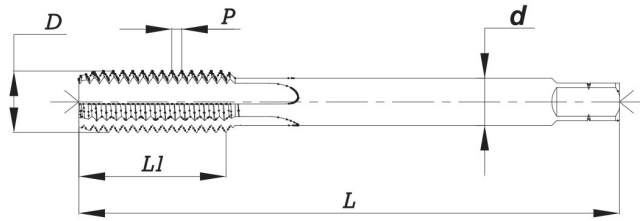
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Application :  
These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.

Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M6	0.75	19	89	4.50	3.55	6
M7	0.75	19	89	5.60	4.50	7
M8	0.75	16	91	6.30	5.00	8
M8	1.00	19	97	6.30	5.00	8
M9	0.75	16	94	7.10	5.60	8
M9	1.00	19	97	7.10	5.60	8
M10	0.75	17	104	8.00	6.30	9
M10	1.00	20	108	8.00	6.30	9
M10	1.25	20	108	8.00	6.30	9
M11	0.75	20	110	8.00	6.30	9
M11	1.00	20	110	8.00	6.30	9
M12	1.00	20	110	9.00	7.10	10
M12	1.25	24	119	9.00	7.10	10
M12	1.50	29	119	9.00	7.10	10
M14	1.00	22	124	11.20	9.00	12
M14	1.25	25	127	11.20	9.00	12
M14	1.50	30	127	11.20	9.00	12
M15	1.00	22	124	11.20	9.00	12
M15	1.50	30	127	11.20	9.00	12
M16	1.00	22	127	12.50	10.00	13
M16	1.50	32	137	12.50	10.00	13

Dimension in mm:  
Specifications confirm to:  
IS 6175 Part 4 : 2002



These Taps are also available in:

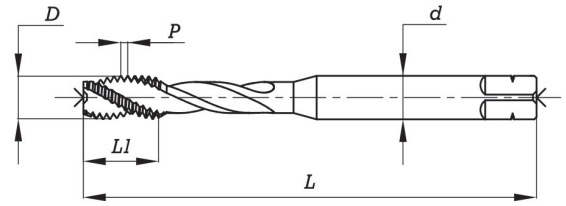


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**Application :**

These Taps are best Suited for Blind Hole applications and are specially designed to eliminate chip clogging, retracting chips backward direction.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	8	56	3.50	2.70	6
M3.5	0.60	9	56	4.00	3.00	6
M4	0.70	9	63	4.50	3.40	6
M4.5	0.75	9	70	6.00	4.90	8
M5	0.80	11	70	6.00	4.90	8
M6	1.00	13	80	6.00	4.90	8
M7	1.00	13	80	7.00	5.50	8
M8	1.25	15	90	8.00	6.20	9
M9	1.25	15	90	9.00	7.00	10
M10	1.50	17	100	10.00	8.00	11

Dimension in mm

Specifications conform to:  
DIN 371 : 1971



These Taps are also available in:

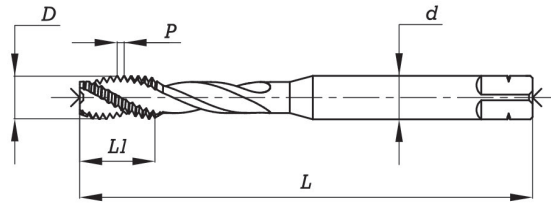


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**Application :**

These Taps are used to produce internal threads for tougher materials like forged steel, stainless steel and difficult to cut materials etc.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	8	48	3.15	2.50	5
M3.5	0.60	9	50	3.55	2.80	5
M4	0.70	9	53	4.00	3.15	6
M4.5	0.75	9	53	4.50	3.55	6
M5	0.80	11	58	5.00	4.00	7
M6	1.00	13	66	6.30	5.00	8
M7	1.00	13	66	7.10	5.60	8
M8	1.25	15	72	8.00	6.30	9
M9	1.25	15	72	9.00	7.10	10
M10	1.50	17	80	10.00	8.00	11

Dimension in mm:  
Specifications conform to:  
IS 6175 Part 2 : 2002



These Taps are also available in:

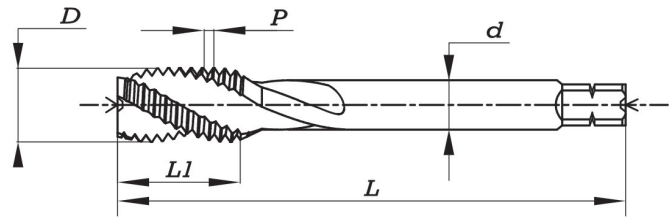


**OUTPUT 20-25% MORE THAN PANTHER !**

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**Application :**

These Taps are best Suited for Blind Hole applications and are specially designed to eliminate chip clogging, retracting chips backward direction.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	8	48	2.	1.80	4
M3.5	0.60	9	50	2.50	2.00	4
M4	0.70	9	53	3.	2.50	5
M4.5	0.75	9	53	4.	2.80	5
M5	0.80	11	58	4.00	3.	6
M6	1.00	13	66	4.50	4.	6
M7	1.00	13	66	5.60	4.50	7
M8	1.	15	72	6.30	5.00	8
M9	1.	15	72	7.10	5.60	8
M10	1.50	17	80	8.00	6.30	9
M11	1.50	18	85	8.00	6.30	9
M12	2.	20	89	9.00	7.10	10
M14	2.00	21	95	11.20	9.00	12
M16	2.00	22	102	12.50	10.00	13

Dimension in mm  
Specifications conform to:  
DIN 376 : 1971



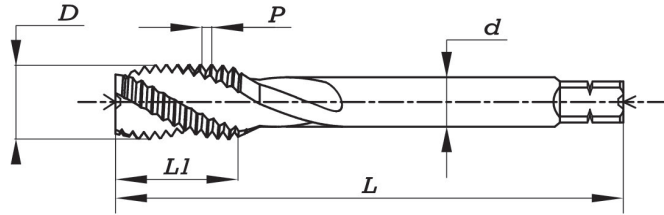
These Taps are also available in:



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**Application :**

These Taps are best Suited for Blind Hole applications and are specially designed to eliminate chip clogging, retracting chips backward direction.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	8.00	56.00	2.20	-	-
M3.5	0.60	9.00	56.00	2.50	2.10	5.00
M4	0.70	9.00	63.00	2.80	2.10	5.00
M4.5	0.75	9.00	70.00	3.50	2.70	6.00
M5	0.80	11.00	70.00	3.50	2.70	6.00
M6	1.00	13.00	80.00	4.50	3.40	6.00
M7	1.00	13.00	80.00	5.50	4.30	7.00
M8	1.	15.00	90.00	6.00	4.90	8.00
M9	1.	15.00	90.00	7.00	5.50	8.00
M10	1.50	17.00	100.00	7.00	5.50	8.00
M11	1.50	18.00	100.00	8.00	6.20	9.00
M12	2.	20.00	110.00	9.00	7.00	10.00
M14	2.00	21.00	110.00	11.00	9.00	12.00
M16	2.00	22.00	110.00	12.00	9.00	12.00



These Taps are also available in:

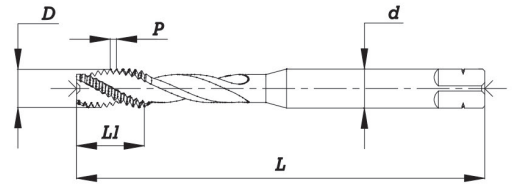


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**Application :**

These Taps are best Suited for Blind Hole applications and are specially designed to eliminate chip clogging, retracting chips backward direction.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.35	8	48	3.15	2.50	5
M3.5	0.35	9	50	3.55	2.80	5
M4	0.50	9	53	4.00	3.15	6
M4.5	0.50	9	53	4.50	3.55	6
M5	0.50	11	58	5.00	4.00	7
M5.5	0.50	12	62	5.60	4.50	7
M6	0.75	13	66	6.30	5.00	8
M7	0.75	13	66	7.10	5.60	8
M8	0.75	11	66	8.00	6.30	9
M8	1.00	13	69	8.00	6.30	9
M9	0.75	11	66	9.00	7.10	10
M9	1.00	13	69	9.00	7.10	10
M10	0.75	12	73	10.00	8.00	11
M10	1.00	14	76	10.00	8.00	11
M10	1.25	14	76	10.00	8.00	11

Dimension in mm

Specifications conform to:  
IS 6175 : Part 2 : 2002



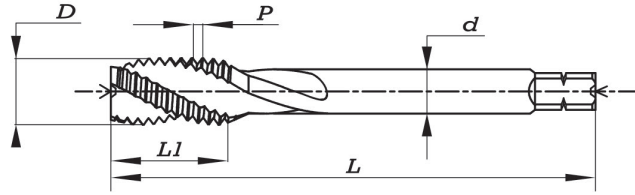
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**Application :**

These Taps are best suited for Blind Holes Applications and are specially designed to eliminate chip clogging, retracting chips backward direction.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.35	8	48	2.24	1.80	4
M3.5	0.35	9	50	2.50	2.00	4
M4	0.50	9	53	3.15	2.50	5
M4.5	0.50	9	53	3.55	2.80	5
M5	0.50	11	58	4.00	3.15	6
M5.5	0.50	12	62	4.00	3.15	6
M6	0.75	13	66	4.50	3.55	6
M7	0.75	13	66	5.60	4.50	7
M8	0.75	11	66	6.30	5.00	8
M8	1.00	13	69	6.30	5.00	8
M9	0.75	11	66	7.10	5.60	8
M9	1.00	13	69	7.10	5.60	8
M10	0.75	12	73	8.00	6.30	9
M10	1.00	14	76	8.00	6.30	9
M10	1.25	14	76	8.00	6.30	9
M11	0.75	14	80	8.00	6.30	9
M11	1.00	14	80	8.00	6.30	9
M12	1.00	14	80	9.00	7.10	10
M12	1.25	17	84	9.00	7.10	10
M12	1.50	20	89	9.00	7.10	10
M14	1.00	15	87	11.20	9.00	12
M14	1.25	18	90	11.20	9.00	12
M14	1.50	21	95	11.20	9.00	12
M15	1.00	15	87	11.20	9.00	12
M15	1.50	21	95	11.20	9.00	12
M16	1.00	15	92	12.50	10.00	13
M16	1.50	22	102	12.50	10.00	13

Dimension in mm

Specifications conform to:

IS 6175 : Part 3 : 2002



These Taps are also available in:

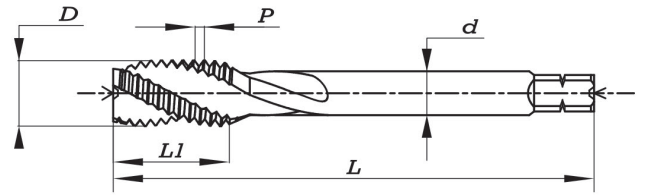


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**Application :**

These Taps are best Suited for Blind Hole applications and are specially designed to eliminate chip clogging, retracting chips backward direction.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.35	8.00	56.00	2.20	-	-
M3.5	0.35	9.00	56.00	2.50	2.10	5.00
M4	0.50	9.00	63.00	2.80	2.10	5.00
M4.5	0.50	9.00	70.00	3.50	2.70	6.00
M5	0.50	11.00	70.00	3.50	2.70	6.00
M5.5	0.50	12.00	80.00	4.00	3.00	6.00
M6	0.75	13.00	80.00	4.50	3.40	6.00
M7	0.75	13.00	80.00	5.50	4.30	7.00
M8	0.75	11.00	80.00	6.00	4.90	8.00
M8	1.00	13.00	90.00	6.00	4.90	8.00
M9	0.75	11.00	80.00	7.00	5.50	8.00
M9	1.00	13.00	90.00	7.00	5.50	8.00
M10	0.75	12.00	90.00	7.00	5.50	8.00
M10	1.00	14.00	90.00	7.00	5.50	8.00
M10	1.25	14.00	100.00	7.00	5.50	8.00
M11	0.75	14.00	90.00	8.00	6.20	9.00
M11	1.00	14.00	90.00	8.00	6.20	9.00
M12	1.00	14.00	100.00	9.00	7.00	10.00
M12	1.25	17.00	100.00	9.00	7.00	10.00
M12	1.50	20.00	100.00	9.00	7.00	10.00
M14	1.00	15.00	100.00	11.00	9.00	12.00
M14	1.25	18.00	100.00	11.00	9.00	12.00
M14	1.50	21.00	100.00	11.00	9.00	12.00
M15	1.00	15.00	100.00	12.00	9.00	12.00
M15	1.50	21.00	100.00	12.00	9.00	12.00
M16	1.00	15.00	100.00	12.00	9.00	12.00
M16	1.50	22.00	100.00	12.00	9.00	12.00

Dimension in mm  
Specifications conform to:  
DIN 374 : 1998

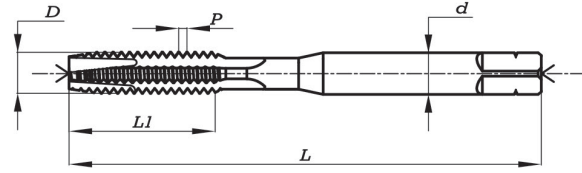


These Taps are also available in:



**OUTPUT 20-25% MORE THAN PANTHER !**

**OUTPUT 40-80% MORE THAN PANTHER !**



**Application :**

These taps are specially designed for Through Hole application and are suitable for higher cutting speed for higher productivity.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	11	56	3.50	2.70	6
M3.5	0.60	12	56	4.00	3.00	6
M4	0.70	13	63	4.50	3.40	6
M4.5	0.75	16	70	6.00	4.90	8
M5	0.80	16	70	6.00	4.90	8
M6	1.00	19	80	6.00	4.90	8
M7	1.00	19	80	7.00	5.50	8
M8	1.25	22	90	8.00	6.20	9
M9	1.25	22	90	9.00	7.00	10
M10	1.50	24	100	10.00	8.00	11

Dimension in mm

Specifications conform to:

DIN 371 : 1971



These Taps are also available in:

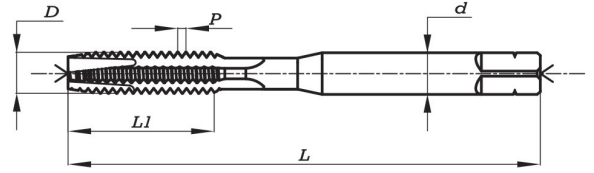


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**Application :**

These Taps are best Suited for Blind Hole applications and are specially designed to eliminate chip clogging, retracting chips backward direction.



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	11	48	3.15	2.50	5
M3.5	0.60	13	50	3.55	2.80	5
M4	0.70	13	53	4.00	3.15	6
M4.5	0.75	13	53	4.50	3.55	6
M5	0.80	16	58	5.00	4.00	7
M6	1.00	19	66	6.30	5.00	8
M7	1.00	19	66	7.10	5.60	8
M8	1.25	22	72	8.00	6.30	9
M9	1.25	22	72	9.00	7.10	10
M10	1.50	24	80	10.00	8.00	11

Dimension in mm

Specifications conform to:  
IS 6175 Part 2: 2002



These Taps are also available in:

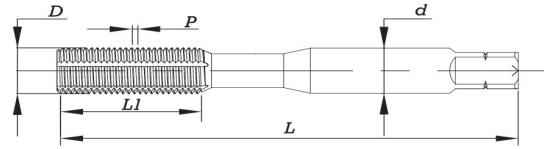


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**Application :**

These taps are best suitable for both Blind & Through-Hole application. Roll forming operation is chip-less operation, forming a thread by displacement of material and not by cutting, hence these taps are best suitable for soft material like Aluminium, Brass, Bronze etc.,



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	11	56	3.50	2.70	6
M3.5	0.60	12	56	4.00	3.00	6
M4	0.70	13	63	4.50	3.40	6
M4.5	0.75	16	70	6.00	4.90	8
M5	0.80	16	70	6.00	4.90	8
M6	1.00	19	80	6.00	4.90	8
M7	1.00	19	80	7.00	5.50	8
M8	1.25	22	90	8.00	6.20	9
M9	1.25	22	90	9.00	7.00	10
M10	1.50	24	100	10.00	8.00	11

Dimension in mm

Specifications conform to:

DIN DIN 371 : 1971



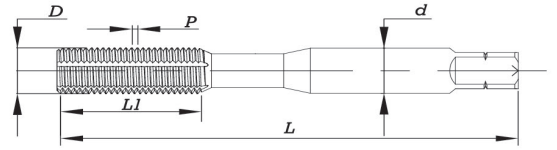
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**Application :**

These taps are best suitable for both Blind & Through-Hole application. Roll forming operation is chip-less operation, forming a thread by displacement of material and not by cutting, hence these taps are best suitable for soft material like Aluminium, Brass, Bronze etc.,



Nominal Diameter (D)	Pitch (P)	Thread Length (L1)	Overall Length (L)	Shank diameter (d) (h9)	Square	
					Size (h11)	Length
M3	0.50	11	48	3.15	2.50	5
M3.5	0.60	13	50	3.55	2.80	5
M4	0.70	13	53	4.00	3.15	6
M4.5	0.75	13	53	4.50	3.55	6
M5	0.80	16	58	5.00	4.00	7
M6	1.00	19	66	6.30	5.00	8
M7	1.00	19	66	7.10	5.60	8
M8	1.25	22	72	8.00	6.30	9
M9	1.25	22	72	9.00	7.10	10
M10	1.50	24	80	10.00	8.00	11

Dimension in mm

Specifications conform to:  
IS 6175 Part 2: 2002



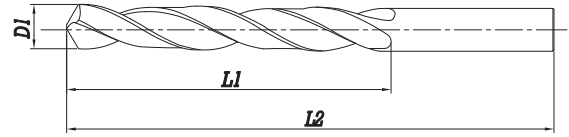
These Taps are also available in:




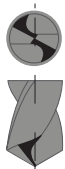

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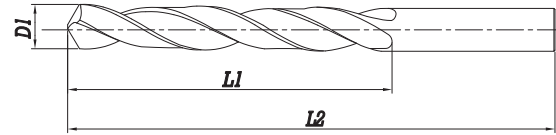


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<b>Series</b>			
<b>Standard</b>	DIN338	DIN 338	DIN338
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
1.00		12	34	DJS02NAM01.00	DJS02NBM01.00-ST	DJS02NEM01.00
1.10		14	36	DJS02NAM01.10	DJS02NBM01.10-ST	DJS02NEM01.10
1.19	3/64"	16	38	DJS02NAM01.19	DJS02NBM01.19-ST	DJS02NEM01.19
1.20		16	38	DJS02NAM01.20	DJS02NBM01.20-ST	DJS02NEM01.20
1.30		16	38	DJS02NAM01.30	DJS02NBM01.30-ST	DJS02NEM01.30
1.40		18	40	DJS02NAM01.40	DJS02NBM01.40-ST	DJS02NEM01.40
1.50		18	40	DJS02NAM01.50	DJS02NBM01.50-ST	DJS02NEM01.50
1.59	1/16"	20	43	DJS02NAM01.59	DJS02NBM01.59-ST	DJS02NEM01.59
1.60		20	43	DJS02NAM01.60	DJS02NBM01.60-ST	DJS02NEM01.60
1.70		20	43	DJS02NAM01.70	DJS02NBM01.70-ST	DJS02NEM01.70
1.80		22	46	DJS02NAM01.80	DJS02NBM01.80-ST	DJS02NEM01.80
1.90		22	46	DJS02NAM01.90	DJS02NBM01.90-ST	DJS02NEM01.90
1.98	5/64"	24	49	DJS02NAM01.98	DJS02NBM01.98-ST	DJS02NEM01.98
2.00		24	49	DJS02NAM02.00	DJS02NBM02.00-ST	DJS02NEM02.00
2.10		24	49	DJS02NAM02.10	DJS02NBM02.10-ST	DJS02NEM02.10
2.20		27	53	DJS02NAM02.20	DJS02NBM02.20-ST	DJS02NEM02.20
2.30		27	53	DJS02NAM02.30	DJS02NBM02.30-ST	DJS02NEM02.30
2.38	3/32"	30	57	DJS02NAM02.38	DJS02NBM02.38-ST	DJS02NEM02.38
2.40		30	57	DJS02NAM02.40	DJS02NBM02.40-ST	DJS02NEM02.40
2.50		30	57	DJS02NAM02.50	DJS02NBM02.50-ST	DJS02NEM02.50
2.60		30	57	DJS02NAM02.60	DJS02NBM02.60-ST	DJS02NEM02.60
2.70		33	61	DJS02NAM02.70	DJS02NBM02.70-ST	DJS02NEM02.70
2.78	7/64"	33	61	DJS02NAM02.78	DJS02NBM02.78-ST	DJS02NEM02.78
2.80		33	61	DJS02NAM02.80	DJS02NBM02.80-ST	DJS02NEM02.80
2.90		33	61	DJS02NAM02.90	DJS02NBM02.90-ST	DJS02NEM02.90
3.00		33	61	DJS02NAM03.00	DJS02NBM03.00-ST	DJS02NEM03.00
3.10		36	65	DJS02NAM03.10	DJS02NBM03.10-ST	DJS02NEM03.10

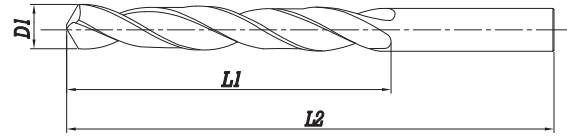


<b>Series</b>			
<b>Standard</b>	DIN338	DIN 338	DIN338
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright


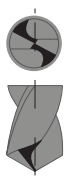

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.



Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
3.17	1/8"	36	65	DJS02NAM03.17	DJS02NBM03.17-ST	DJS02NEM03.17
3.20		36	65	DJS02NAM03.20	DJS02NBM03.20-ST	DJS02NEM03.20
3.30		36	65	DJS02NAM03.30	DJS02NBM03.30-ST	DJS02NEM03.30
3.40		39	70	DJS02NAM03.40	DJS02NBM03.40-ST	DJS02NEM03.40
3.50		39	70	DJS02NAM03.50	DJS02NBM03.50-ST	DJS02NEM03.50
3.57	9/64"	39	70	DJS02NAM03.57	DJS02NBM03.57-ST	DJS02NEM03.57
3.60		39	70	DJS02NAM03.60	DJS02NBM03.60-ST	DJS02NEM03.60
3.70		39	70	DJS02NAM03.70	DJS02NBM03.70-ST	DJS02NEM03.70
3.80		43	75	DJS02NAM03.80	DJS02NBM03.80-ST	DJS02NEM03.80
3.90		43	75	DJS02NAM03.90	DJS02NBM03.90-ST	DJS02NEM03.90
3.97	5/32'	43	75	DJS02NAM03.97	DJS02NBM03.97-ST	DJS02NEM03.97
4.00		43	75	DJS02NAM04.00	DJS02NBM04.00-ST	DJS02NEM04.00
4.10		43	75	DJS02NAM04.10	DJS02NBM04.10-ST	DJS02NEM04.10
4.20		43	75	DJS02NAM04.20	DJS02NBM04.20-ST	DJS02NEM04.20
4.30		47	80	DJS02NAM04.30	DJS02NBM04.30-ST	DJS02NEM04.30
4.37	11/64"	47	80	DJS02NAM04.37	DJS02NBM04.37-ST	DJS02NEM04.37
4.40		47	80	DJS02NAM04.40	DJS02NBM04.40-ST	DJS02NEM04.40
4.50		47	80	DJS02NAM04.50	DJS02NBM04.50-ST	DJS02NEM04.50
4.60		47	80	DJS02NAM04.60	DJS02NBM04.60-ST	DJS02NEM04.60
4.70		47	80	DJS02NAM04.70	DJS02NBM04.70-ST	DJS02NEM04.70
4.76	3/16"	52	86	DJS02NAM04.76	DJS02NBM04.76-ST	DJS02NEM04.76
4.80		52	86	DJS02NAM04.80	DJS02NBM04.80-ST	DJS02NEM04.80
4.90		52	86	DJS02NAM04.90	DJS02NBM04.90-ST	DJS02NEM04.90
5.00		52	86	DJS02NAM05.00	DJS02NBM05.00-ST	DJS02NEM05.00
5.10		52	86	DJS02NAM05.10	DJS02NBM05.10-ST	DJS02NEM05.10
5.16	13/64"	52	86	DJS02NAM05.16	DJS02NBM05.16-ST	DJS02NEM05.16
5.20		52	86	DJS02NAM05.20	DJS02NBM05.20-ST	DJS02NEM05.20

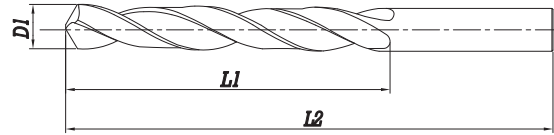


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<b>Series</b>			
<b>Standard</b>	DIN338	DIN 338	DIN338
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
5.30		52	86	DJS02NAM05.30	DJS02NBM05.30-ST	DJS02NEM05.30
5.40		57	93	DJS02NAM05.40	DJS02NBM05.40-ST	DJS02NEM05.40
5.50		57	93	DJS02NAM05.50	DJS02NBM05.50-ST	DJS02NEM05.50
5.56	7/32"	57	93	DJS02NAM05.56	DJS02NBM05.56-ST	DJS02NEM05.56
5.60		57	93	DJS02NAM05.60	DJS02NBM05.60-ST	DJS02NEM05.60
5.70		57	93	DJS02NAM05.70	DJS02NBM05.70-ST	DJS02NEM05.70
5.80		57	93	DJS02NAM05.80	DJS02NBM05.80-ST	DJS02NEM05.80
5.90		57	93	DJS02NAM05.90	DJS02NBM05.90-ST	DJS02NEM05.90
5.95	15/64"	57	93	DJS02NAM05.95	DJS02NBM05.95-ST	DJS02NEM05.95
6.00		57	93	DJS02NAM06.00	DJS02NBM06.00-ST	DJS02NEM06.00
6.10		63	101	DJS02NAM06.10	DJS02NBM06.10-ST	DJS02NEM06.10
6.20		63	101	DJS02NAM06.20	DJS02NBM06.20-ST	DJS02NEM06.20
6.30		63	101	DJS02NAM06.30	DJS02NBM06.30-ST	DJS02NEM06.30
6.35	1/4"	63	101	DJS02NAM06.35	DJS02NBM06.35-ST	DJS02NEM06.35
6.40		63	101	DJS02NAM06.40	DJS02NBM06.40-ST	DJS02NEM06.40
6.50		63	101	DJS02NAM06.50	DJS02NBM06.50-ST	DJS02NEM06.50
6.60		63	101	DJS02NAM06.60	DJS02NBM06.60-ST	DJS02NEM06.60
6.70		63	101	DJS02NAM06.70	DJS02NBM06.70-ST	DJS02NEM06.70
6.75	17/64"	69	109	DJS02NAM06.75	DJS02NBM06.75-ST	DJS02NEM06.75
6.80		69	109	DJS02NAM06.80	DJS02NBM06.80-ST	DJS02NEM06.80
6.90		69	109	DJS02NAM06.90	DJS02NBM06.90-ST	DJS02NEM06.90
7.00		69	109	DJS02NAM07.00	DJS02NBM07.00-ST	DJS02NEM07.00
7.10		69	109	DJS02NAM07.10	DJS02NBM07.10-ST	DJS02NEM07.10
7.14	9/32"	69	109	DJS02NAM07.14	DJS02NBM07.14-ST	DJS02NEM07.14
7.20		69	109	DJS02NAM07.20	DJS02NBM07.20-ST	DJS02NEM07.20
7.30		69	109	DJS02NAM07.30	DJS02NBM07.30-ST	DJS02NEM07.30

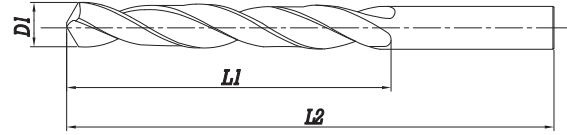


<b>Series</b>			
<b>Standard</b>	DIN338	DIN 338	DIN338
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright


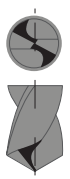

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.



Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch					
7.40		69	109	DJS02NAM07.40	DJS02NBM07.40-ST	DJS02NEM07.40
7.50		69	109	DJS02NAM07.50	DJS02NBM07.50-ST	DJS02NEM07.50
7.54	19/64"	75	117	DJS02NAM07.54	DJS02NBM07.54-ST	DJS02NEM07.54
7.60		75	117	DJS02NAM07.60	DJS02NBM07.60-ST	DJS02NEM07.60
7.70		75	117	DJS02NAM07.70	DJS02NBM07.70-ST	DJS02NEM07.70
7.80		75	117	DJS02NAM07.80	DJS02NBM07.80-ST	DJS02NEM07.80
7.90		75	117	DJS02NAM07.90	DJS02NBM07.90-ST	DJS02NEM07.90
7.94	5/16"	75	117	DJS02NAM07.94	DJS02NBM07.94-ST	DJS02NEM07.94
8.00		75	117	DJS02NAM08.00	DJS02NBM08.00-ST	DJS02NEM08.00
8.10		75	117	DJS02NAM08.10	DJS02NBM08.10-ST	DJS02NEM08.10
8.20		75	117	DJS02NAM08.20	DJS02NBM08.20-ST	DJS02NEM08.20
8.30		75	117	DJS02NAM08.30	DJS02NBM08.30-ST	DJS02NEM08.30
8.33	21/64"	75	117	DJS02NAM08.33	DJS02NBM08.33-ST	DJS02NEM08.33
8.40		75	117	DJS02NAM08.40	DJS02NBM08.40-ST	DJS02NEM08.40
8.50		75	117	DJS02NAM08.50	DJS02NBM08.50-ST	DJS02NEM08.50
8.60		81	125	DJS02NAM08.60	DJS02NBM08.60-ST	DJS02NEM08.60
8.70		81	125	DJS02NAM08.70	DJS02NBM08.70-ST	DJS02NEM08.70
8.73	11/32"	81	125	DJS02NAM08.73	DJS02NBM08.73-ST	DJS02NEM08.73
8.80		81	125	DJS02NAM08.80	DJS02NBM08.80-ST	DJS02NEM08.80
8.90		81	125	DJS02NAM08.90	DJS02NBM08.90-ST	DJS02NEM08.90
9.00		81	125	DJS02NAM09.00	DJS02NBM09.00-ST	DJS02NEM09.00
9.10		81	125	DJS02NAM09.10	DJS02NBM09.10-ST	DJS02NEM09.10
9.13	23/64"	81	125	DJS02NAM09.13	DJS02NBM09.13-ST	DJS02NEM09.13
9.20		81	125	DJS02NAM09.20	DJS02NBM09.20-ST	DJS02NEM09.20
9.30		81	125	DJS02NAM09.30	DJS02NBM09.30-ST	DJS02NEM09.30
9.40		81	125	DJS02NAM09.40	DJS02NBM09.40-ST	DJS02NEM09.40

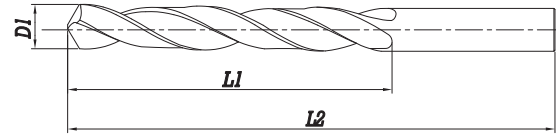



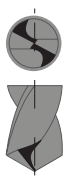

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<b>Series</b>			
<b>Standard</b>	DIN338	DIN 338	DIN338
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
9.50		81	125	DJS02NAM09.50	DJS02NBM09.50-ST	DJS02NEM09.50
9.52	3/8"	87	133	DJS02NAM09.52	DJS02NBM09.52-ST	DJS02NEM09.52
9.60		87	133	DJS02NAM09.60	DJS02NBM09.60-ST	DJS02NEM09.60
9.70		87	133	DJS02NAM09.70	DJS02NBM09.70-ST	DJS02NEM09.70
9.80		87	133	DJS02NAM09.80	DJS02NBM09.80-ST	DJS02NEM09.80
9.90		87	133	DJS02NAM09.90	DJS02NBM09.90-ST	DJS02NEM09.90
9.92	25/64"	87	133	DJS02NAM09.92	DJS02NBM09.92-ST	DJS02NEM09.92
10.00		87	133	DJS02NAM10.00	DJS02NBM10.00-ST	DJS02NEM10.00
10.10		87	133	DJS02NAM10.10	DJS02NBM10.10-ST	DJS02NEM10.10
10.20		87	133	DJS02NAM10.20	DJS02NBM10.20-ST	DJS02NEM10.20
10.30		87	133	DJS02NAM10.30	DJS02NBM10.30-ST	DJS02NEM10.30
10.32	13/32"	87	133	DJS02NAM10.32	DJS02NBM10.32-ST	DJS02NEM10.32
10.40		87	133	DJS02NAM10.40	DJS02NBM10.40-ST	DJS02NEM10.40
10.50		87	133	DJS02NAM10.50	DJS02NBM10.50-ST	DJS02NEM10.50
10.60		87	133	DJS02NAM10.60	DJS02NBM10.60-ST	DJS02NEM10.60
10.70		94	142	DJS02NAM10.70	DJS02NBM10.70-ST	DJS02NEM10.70
10.72	27/64"	94	142	DJS02NAM10.72	DJS02NBM10.72-ST	DJS02NEM10.72
10.80		94	142	DJS02NAM10.80	DJS02NBM10.80-ST	DJS02NEM10.80
10.90		94	142	DJS02NAM10.90	DJS02NBM10.90-ST	DJS02NEM10.90
11.00		94	142	DJS02NAM11.00	DJS02NBM11.00-ST	DJS02NEM11.00
11.10		94	142	DJS02NAM11.10	DJS02NBM11.10-ST	DJS02NEM11.10
11.11	7/16"	94	142	DJS02NAM11.11	DJS02NBM11.11-ST	DJS02NEM11.11
11.20		94	142	DJS02NAM11.20	DJS02NBM11.20-ST	DJS02NEM11.20
11.30		94	142	DJS02NAM11.30	DJS02NBM11.30-ST	DJS02NEM11.30
11.40		94	142	DJS02NAM11.40	DJS02NBM11.40-ST	DJS02NEM11.40
11.50		94	142	DJS02NAM11.50	DJS02NBM11.50-ST	DJS02NEM11.50
11.51	29/64"	94	142	DJS02NAM11.51	DJS02NBM11.51-ST	DJS02NEM11.51

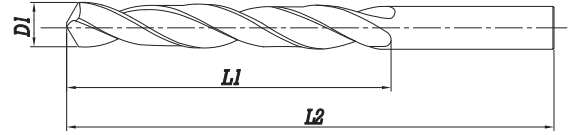


<b>Series</b>			
<b>Standard</b>	DIN338	DIN 338	DIN338
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			


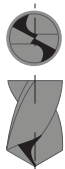

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
11.60		94	142	DJS02NAM11.60	DJS02NBM11.60-ST	DJS02NEM11.60
11.70		94	142	DJS02NAM11.70	DJS02NBM11.70-ST	DJS02NEM11.70
11.80		94	142	DJS02NAM11.80	DJS02NBM11.80-ST	DJS02NEM11.80
11.90		101	151	DJS02NAM11.90	DJS02NBM11.90-ST	DJS02NEM11.90
11.91	15/32"	101	151	DJS02NAM11.91	DJS02NBM11.91-ST	DJS02NEM11.91
12.00		101	151	DJS02NAM12.00	DJS02NBM12.00-ST	DJS02NEM12.00
12.10		101	151	DJS02NAM12.10	DJS02NBM12.10-ST	DJS02NEM12.10
12.20		101	151	DJS02NAM12.20	DJS02NBM12.20-ST	DJS02NEM12.20
12.30		101	151	DJS02NAM12.30	DJS02NBM12.30-ST	DJS02NEM12.30
12.30	31/64"	101	151	DJS02NAM12.30	DJS02NBM12.30-ST	DJS02NEM12.30
12.40		101	151	DJS02NAM12.40	DJS02NBM12.40-ST	DJS02NEM12.40
12.50		101	151	DJS02NAM12.50	DJS02NBM12.50-ST	DJS02NEM12.50
12.60		101	151	DJS02NAM12.60	DJS02NBM12.60-ST	DJS02NEM12.60
12.70	1/2"	101	151	DJS02NAM12.70	DJS02NBM12.70-ST	DJS02NEM12.70
12.70		101	151	DJS02NAM12.70	DJS02NBM12.70-ST	DJS02NEM12.70
12.80		101	151	DJS02NAM12.80	DJS02NBM12.80-ST	DJS02NEM12.80
12.90		101	151	DJS02NAM12.90	DJS02NBM12.90-ST	DJS02NEM12.90
13.00		101	151	DJS02NAM13.00	DJS02NBM13.00-ST	DJS02NEM13.00
13.10	33/64"	101	151	DJS02NAM13.10	DJS02NBM13.10-ST	DJS02NEM13.10
13.49	17/32"	108	160	DJS02NAM13.49	DJS02NBM13.49-ST	DJS02NEM13.49
13.50		108	160	DJS02NAM13.50	DJS02NBM13.50-ST	DJS02NEM13.50
13.89	35/64"	108	160	DJS02NAM13.89	DJS02NBM13.89-ST	DJS02NEM13.89
14.00		108	160	DJS02NAM14.00	DJS02NBM14.00-ST	DJS02NEM14.00
14.29	9/16"	114	169	DJS02NAM14.29	DJS02NBM14.29-ST	DJS02NEM14.29
14.50		114	169	DJS02NAM14.50	DJS02NBM14.50-ST	DJS02NEM14.50
14.68	37/64"	114	169	DJS02NAM14.68	DJS02NBM14.68-ST	DJS02NEM14.68
15.00		114	169	DJS02NAM15.00	DJS02NBM15.00-ST	DJS02NEM15.00



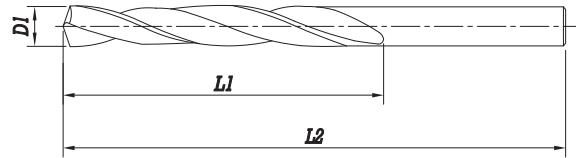




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<b>Series</b>			
<b>Standard</b>	DIN338	DIN 338	DIN338
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

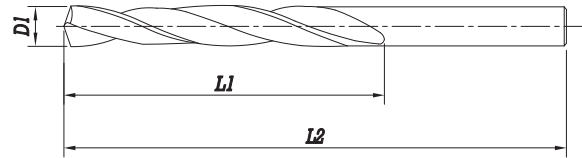
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch					
15.08	19/32"	120	178	DJS02NAM15.08	DJS02NBM15.08-ST	DJS02NEM15.08
15.48	39/64"	120	178	DJS02NAM15.48	DJS02NBM15.48-ST	DJS02NEM15.48
15.50		120	178	DJS02NAM15.50	DJS02NBM15.50-ST	DJS02NEM15.50
15.87	5/8"	120	178	DJS02NAM15.87	DJS02NBM15.87-ST	DJS02NEM15.87
16.00		120	178	DJS02NAM16.00	DJS02NBM16.00-ST	DJS02NEM16.00
16.50		125	184	DJS02NAM16.50	DJS02NBM16.50-ST	DJS02NEM16.50
16.67	21/32"	125	184	DJS02NAM16.67	DJS02NBM16.67-ST	DJS02NEM16.67
17.00		125	184	DJS02NAM17.00	DJS02NBM17.00-ST	DJS02NEM17.00
17.46	11/16"	125	184	DJS02NAM17.46	DJS02NBM17.46-ST	DJS02NEM17.46
17.50		130	191	DJS02NAM17.50	DJS02NBM17.50-ST	DJS02NEM17.50
18.00		130	191	DJS02NAM18.00	DJS02NBM18.00-ST	DJS02NEM18.00
18.26	23/32"	135	198	DJS02NAM18.26	DJS02NBM18.26-ST	DJS02NEM18.26
18.50		135	198	DJS02NAM18.50	DJS02NBM18.50-ST	DJS02NEM18.50
19.00		135	198	DJS02NAM19.00	DJS02NBM19.00-ST	DJS02NEM19.00
19.05	3/4"	140	205	DJS02NAM19.05	DJS02NBM19.05-ST	DJS02NEM19.05
19.50		140	205	DJS02NAM19.50	DJS02NBM19.50-ST	DJS02NEM19.50
18.84	25/32"	140	205	DJS02NAM18.84	DJS02NBM18.84-ST	DJS02NEM18.84
20.00		140	205	DJS02NAM20.00	DJS02NBM20.00-ST	DJS02NEM20.00
20.64	13/16"	140	205	DJS02NAM20.64	DJS02NBM20.64-ST	DJS02NEM20.64





<b>Series</b>		
<b>Standard</b>	DIN338	DIN 338
<b>Material</b>	M35	M35
<b>Helix</b>	Type N	Type N
<b>Point</b>	135	135
	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Straw Gold
		

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
3.00		33	61	DJS35NFM03.00	DJS35NFM03.00-SG
3.10		36	65	DJS35NFM03.10	DJS35NFM03.10-SG
3.17	1/8"	36	65	DJS35NFM03.17	DJS35NFM03.17-SG
3.20		36	65	DJS35NFM03.20	DJS35NFM03.20-SG
3.30		36	65	DJS35NFM03.30	DJS35NFM03.30-SG
3.40		39	70	DJS35NFM03.40	DJS35NFM03.40-SG
3.50		39	70	DJS35NFM03.50	DJS35NFM03.50-SG
3.57	9/64"	39	70	DJS35NFM03.57	DJS35NFM03.57-SG
3.60		39	70	DJS35NFM03.60	DJS35NFM03.60-SG
3.70		39	70	DJS35NFM03.70	DJS35NFM03.70-SG
3.80		43	75	DJS35NFM03.80	DJS35NFM03.80-SG
3.90		43	75	DJS35NFM03.90	DJS35NFM03.90-SG
3.97	5/32"	43	75	DJS35NFM03.97	DJS35NFM03.97-SG
4.00		43	75	DJS35NFM04.00	DJS35NFM04.00-SG
4.10		43	75	DJS35NFM04.10	DJS35NFM04.10-SG
4.20		43	75	DJS35NFM04.20	DJS35NFM04.20-SG
4.30		47	80	DJS35NFM04.30	DJS35NFM04.30-SG
4.37	11/64"	47	80	DJS35NFM04.37	DJS35NFM04.37-SG
4.40		47	80	DJS35NFM04.40	DJS35NFM04.40-SG
4.50		47	80	DJS35NFM04.50	DJS35NFM04.50-SG
4.60		47	80	DJS35NFM04.60	DJS35NFM04.60-SG
4.70		47	80	DJS35NFM04.70	DJS35NFM04.70-SG
4.76	3/16"	52	86	DJS35NFM04.76	DJS35NFM04.76-SG
4.80		52	86	DJS35NFM04.80	DJS35NFM04.80-SG
4.90		52	86	DJS35NFM04.90	DJS35NFM04.90-SG
5.00		52	86	DJS35NFM05.00	DJS35NFM05.00-SG
5.10		52	86	DJS35NFM05.10	DJS35NFM05.10-SG

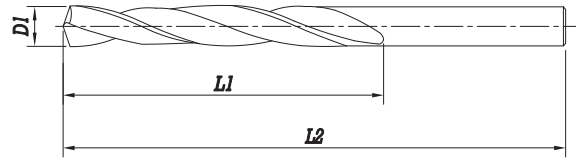




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<b>Series</b>		
<b>Standard</b>	DIN338	DIN 338
<b>Material</b>	M35	M35
<b>Helix</b>	Type N	Type N
<b>Point</b>	135	135
	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Straw Gold
		

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

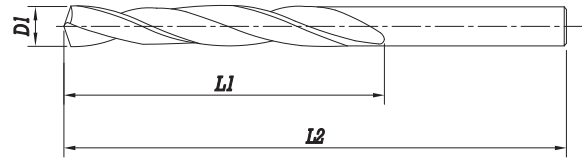
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
5.16	13/64"	52	86	DJS35NFM05.16	DJS35NFM05.16-SG
5.20		52	86	DJS35NFM05.20	DJS35NFM05.20-SG
5.30		52	86	DJS35NFM05.30	DJS35NFM05.30-SG
5.40		57	93	DJS35NFM05.40	DJS35NFM05.40-SG
5.50		57	93	DJS35NFM05.50	DJS35NFM05.50-SG
5.56	7/32"	57	93	DJS35NFM05.56	DJS35NFM05.56-SG
5.60		57	93	DJS35NFM05.60	DJS35NFM05.60-SG
5.70		57	93	DJS35NFM05.70	DJS35NFM05.70-SG
5.80		57	93	DJS35NFM05.80	DJS35NFM05.80-SG
5.90		57	93	DJS35NFM05.90	DJS35NFM05.90-SG
5.95	15/64"	57	93	DJS35NFM05.95	DJS35NFM05.95-SG
6.00		57	93	DJS35NFM06.00	DJS35NFM06.00-SG
6.10		63	101	DJS35NFM06.10	DJS35NFM06.10-SG
6.20		63	101	DJS35NFM06.20	DJS35NFM06.20-SG
6.30		63	101	DJS35NFM06.30	DJS35NFM06.30-SG
6.35	1/4"	63	101	DJS35NFM06.35	DJS35NFM06.35-SG
6.40		63	101	DJS35NFM06.40	DJS35NFM06.40-SG
6.50		63	101	DJS35NFM06.50	DJS35NFM06.50-SG
6.60		63	101	DJS35NFM06.60	DJS35NFM06.60-SG
6.70		63	101	DJS35NFM06.70	DJS35NFM06.70-SG
6.75	17/64"	69	109	DJS35NFM06.75	DJS35NFM06.75-SG
6.80		69	109	DJS35NFM06.80	DJS35NFM06.80-SG
6.90		69	109	DJS35NFM06.90	DJS35NFM06.90-SG
7.00		69	109	DJS35NFM07.00	DJS35NFM07.00-SG
7.10		69	109	DJS35NFM07.10	DJS35NFM07.10-SG
7.14	9/32"	69	109	DJS35NFM07.14	DJS35NFM07.14-SG
7.20		69	109	DJS35NFM07.20	DJS35NFM07.20-SG





<b>Series</b>		
<b>Standard</b>	DIN338	DIN 338
<b>Material</b>	M35	M35
<b>Helix</b>	Type N	Type N
<b>Point</b>	135	135
	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Straw Gold
		

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
7.30		69	109	DJS35NFM07.30	DJS35NFM07.30-SG
7.40		69	109	DJS35NFM07.40	DJS35NFM07.40-SG
7.50		69	109	DJS35NFM07.50	DJS35NFM07.50-SG
7.54	19/64"	75	117	DJS35NFM07.54	DJS35NFM07.54-SG
7.60		75	117	DJS35NFM07.60	DJS35NFM07.60-SG
7.70		75	117	DJS35NFM07.70	DJS35NFM07.70-SG
7.80		75	117	DJS35NFM07.80	DJS35NFM07.80-SG
7.90		75	117	DJS35NFM07.90	DJS35NFM07.90-SG
7.94	5/16"	75	117	DJS35NFM07.94	DJS35NFM07.94-SG
8.00		75	117	DJS35NFM08.00	DJS35NFM08.00-SG
8.10		75	117	DJS35NFM08.10	DJS35NFM08.10-SG
8.20		75	117	DJS35NFM08.20	DJS35NFM08.20-SG
8.30		75	117	DJS35NFM08.30	DJS35NFM08.30-SG
8.33	21/64"	75	117	DJS35NFM08.33	DJS35NFM08.33-SG
8.40		75	117	DJS35NFM08.40	DJS35NFM08.40-SG
8.50		75	117	DJS35NFM08.50	DJS35NFM08.50-SG
8.60		81	125	DJS35NFM08.60	DJS35NFM08.60-SG
8.70		81	125	DJS35NFM08.70	DJS35NFM08.70-SG
8.73	11/32"	81	125	DJS35NFM08.73	DJS35NFM08.73-SG
8.80		81	125	DJS35NFM08.80	DJS35NFM08.80-SG
8.90		81	125	DJS35NFM08.90	DJS35NFM08.90-SG
9.00		81	125	DJS35NFM09.00	DJS35NFM09.00-SG
9.10		81	125	DJS35NFM09.10	DJS35NFM09.10-SG
9.13	23/64"	81	125	DJS35NFM09.13	DJS35NFM09.13-SG
9.20		81	125	DJS35NFM09.20	DJS35NFM09.20-SG
9.30		81	125	DJS35NFM09.30	DJS35NFM09.30-SG
9.40		81	125	DJS35NFM09.40	DJS35NFM09.40-SG

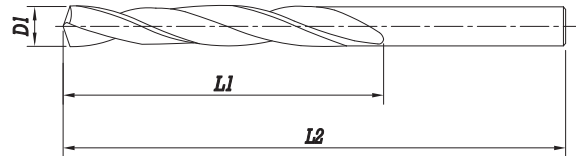




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<b>Series</b>		
<b>Standard</b>	DIN338	DIN 338
<b>Material</b>	M35	M35
<b>Helix</b>	Type N	Type N
<b>Point</b>	135	135
	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Straw Gold
		

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

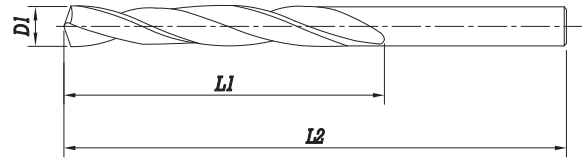
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
9.50		81	125	DJS35NFM09.50	DJS35NFM09.50-SG
9.52	3/8"	87	133	DJS35NFM09.52	DJS35NFM09.52-SG
9.60		87	133	DJS35NFM09.60	DJS35NFM09.60-SG
9.70		87	133	DJS35NFM09.70	DJS35NFM09.70-SG
9.80		87	133	DJS35NFM09.80	DJS35NFM09.80-SG
9.90		87	133	DJS35NFM09.90	DJS35NFM09.90-SG
9.92	25/64"	87	133	DJS35NFM09.92	DJS35NFM09.92-SG
10.00		87	133	DJS35NFM10.00	DJS35NFM10.00-SG
10.10		87	133	DJS35NFM10.10	DJS35NFM10.10-SG
10.20		87	133	DJS35NFM10.20	DJS35NFM10.20-SG
10.30		87	133	DJS35NFM10.30	DJS35NFM10.30-SG
10.32	13/32"	87	133	DJS35NFM10.32	DJS35NFM10.32-SG
10.40		87	133	DJS35NFM10.40	DJS35NFM10.40-SG
10.50		87	133	DJS35NFM10.50	DJS35NFM10.50-SG
10.60		87	133	DJS35NFM10.60	DJS35NFM10.60-SG
10.70		94	142	DJS35NFM10.70	DJS35NFM10.70-SG
10.72	27/64"	94	142	DJS35NFM10.72	DJS35NFM10.72-SG
10.80		94	142	DJS35NFM10.80	DJS35NFM10.80-SG
10.90		94	142	DJS35NFM10.90	DJS35NFM10.90-SG
11.00		94	142	DJS35NFM11.00	DJS35NFM11.00-SG
11.10		94	142	DJS35NFM11.10	DJS35NFM11.10-SG
11.11	7/16"	94	142	DJS35NFM11.11	DJS35NFM11.11-SG
11.20		94	142	DJS35NFM11.20	DJS35NFM11.20-SG
11.30		94	142	DJS35NFM11.30	DJS35NFM11.30-SG
11.40		94	142	DJS35NFM11.40	DJS35NFM11.40-SG
11.50		94	142	DJS35NFM11.50	DJS35NFM11.50-SG
11.51	29/64"	94	142	DJS35NFM11.51	DJS35NFM11.51-SG





<b>Series</b>		
<b>Standard</b>	DIN338	DIN 338
<b>Material</b>	M35	M35
<b>Helix</b>	Type N	Type N
<b>Point</b>	135	135
	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Straw Gold
		

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
11.60		94	142	DJS35NFM11.60	DJS35NFM11.60-SG
11.70		94	142	DJS35NFM11.70	DJS35NFM11.70-SG
11.80		94	142	DJS35NFM11.80	DJS35NFM11.80-SG
11.90		101	151	DJS35NFM11.90	DJS35NFM11.90-SG
11.91	15/32"	101	151	DJS35NFM11.91	DJS35NFM11.91-SG
12.00		101	151	DJS35NFM12.00	DJS35NFM12.00-SG
12.10		101	151	DJS35NFM12.10	DJS35NFM12.10-SG
12.20		101	151	DJS35NFM12.20	DJS35NFM12.20-SG
12.30		101	151	DJS35NFM12.30	DJS35NFM12.30-SG
12.30	31/64"	101	151	DJS35NFM12.30	DJS35NFM12.30-SG
12.40		101	151	DJS35NFM12.40	DJS35NFM12.40-SG
12.50		101	151	DJS35NFM12.50	DJS35NFM12.50-SG
12.60		101	151	DJS35NFM12.60	DJS35NFM12.60-SG
12.70	1/2"	101	151	DJS35NFM12.70	DJS35NFM12.70-SG
12.70		101	151	DJS35NFM12.70	DJS35NFM12.70-SG
12.80		101	151	DJS35NFM12.80	DJS35NFM12.80-SG
12.90		101	151	DJS35NFM12.90	DJS35NFM12.90-SG
13.00		101	151	DJS35NFM13.00	DJS35NFM13.00-SG
13.10	33/64"	101	151	DJS35NFM13.10	DJS35NFM13.10-SG
13.49	17/32"	108	160	DJS35NFM13.49	DJS35NFM13.49-SG
13.50		108	160	DJS35NFM13.50	DJS35NFM13.50-SG
13.89	35/64"	108	160	DJS35NFM13.89	DJS35NFM13.89-SG
14.00		108	160	DJS35NFM14.00	DJS35NFM14.00-SG
14.29	9/16"	114	169	DJS35NFM14.29	DJS35NFM14.29-SG
14.50		114	169	DJS35NFM14.50	DJS35NFM14.50-SG
14.68	37/64"	114	169	DJS35NFM14.68	DJS35NFM14.68-SG
15.00		114	169	DJS35NFM15.00	DJS35NFM15.00-SG

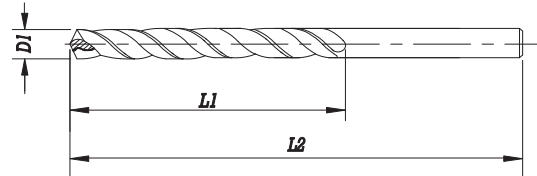



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<b>Series</b>		
<b>Standard</b>	DIN338	DIN 338
<b>Material</b>	M35	M35
<b>Helix</b>	Type N	Type N
<b>Point</b>	135	135
	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Straw Gold
		

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
15.08	19/32"	120	178	DJS35NFM15.08	DJS35NFM15.08-SG
15.48	39/64"	120	178	DJS35NFM15.48	DJS35NFM15.48-SG
15.50		120	178	DJS35NFM15.50	DJS35NFM15.50-SG
15.87	5/8"	120	178	DJS35NFM15.87	DJS35NFM15.87-SG
16.00		120	178	DJS35NFM16.00	DJS35NFM16.00-SG
16.50		125	184	DJS35NFM16.50	DJS35NFM16.50-SG
16.67	21/32"	125	184	DJS35NFM16.67	DJS35NFM16.67-SG
17.00		125	184	DJS35NFM17.00	DJS35NFM17.00-SG
17.46	11/16"	125	184	DJS35NFM17.46	DJS35NFM17.46-SG
17.50		130	191	DJS35NFM17.50	DJS35NFM17.50-SG
18.00		130	191	DJS35NFM18.00	DJS35NFM18.00-SG
18.26	23/32"	135	198	DJS35NFM18.26	DJS35NFM18.26-SG
18.50		135	198	DJS35NFM18.50	DJS35NFM18.50-SG
19.00		135	198	DJS35NFM19.00	DJS35NFM19.00-SG
19.05	3/4"	140	205	DJS35NFM19.05	DJS35NFM19.05-SG
19.50		140	205	DJS35NFM19.50	DJS35NFM19.50-SG
18.84	25/32"	140	205	DJS35NFM18.84	DJS35NFM18.84-SG
20.00		140	205	DJS35NFM20.00	DJS35NFM20.00-SG
20.64	13/16"	140	205	DJS35NFM20.64	DJS35NFM20.64-SG

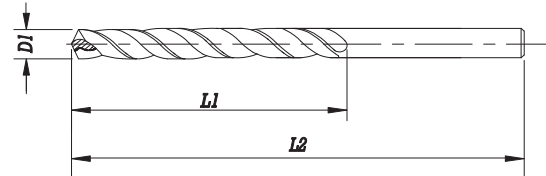



<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type S
<b>Point</b>	135
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
4.00		43	75	DJS35SFM04.00
4.10		43	75	DJS35SFM04.10
4.20		43	75	DJS35SFM04.20
4.30		47	80	DJS35SFM04.30
4.37	11/64"	47	80	DJS35SFM04.37
4.40		47	80	DJS35SFM04.40
4.50		47	80	DJS35SFM04.50
4.60		47	80	DJS35SFM04.60
4.70		47	80	DJS35SFM04.70
4.76	3/16"	52	86	DJS35SFM04.76
4.80		52	86	DJS35SFM04.80
4.90		52	86	DJS35SFM04.90
5.00		52	86	DJS35SFM05.00
5.10		52	86	DJS35SFM05.10
5.16	13/64"	52	86	DJS35SFM05.16
5.20		52	86	DJS35SFM05.20
5.30		52	86	DJS35SFM05.30
5.40		57	93	DJS35SFM05.40
5.50		57	93	DJS35SFM05.50
5.56	7/32"	57	93	DJS35SFM05.56
5.60		57	93	DJS35SFM05.60
5.70		57	93	DJS35SFM05.70
5.80		57	93	DJS35SFM05.80
5.90		57	93	DJS35SFM05.90
5.95	15/64"	57	93	DJS35SFM05.95
6.00		57	93	DJS35SFM06.00
6.10		63	101	DJS35SFM06.10
6.20		63	101	DJS35SFM06.20
6.30		63	101	DJS35SFM06.30

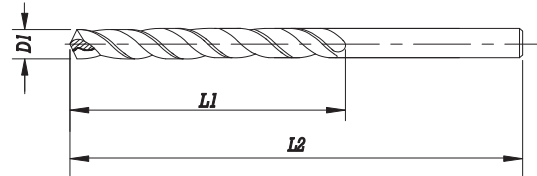





<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type S
<b>Point</b>	135
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

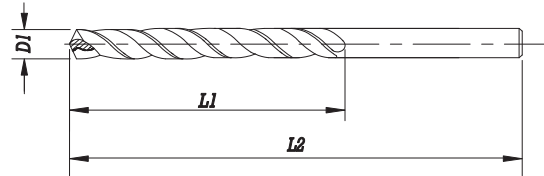
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
6.35	1/4"	63	101	DJS35SFM06.35
6.40		63	101	DJS35SFM06.40
6.50		63	101	DJS35SFM06.50
6.60		63	101	DJS35SFM06.60
6.70		63	101	DJS35SFM06.70
6.75	17/64"	69	109	DJS35SFM06.75
6.80		69	109	DJS35SFM06.80
6.90		69	109	DJS35SFM06.90
7.00		69	109	DJS35SFM07.00
7.10		69	109	DJS35SFM07.10
7.14	9/32"	69	109	DJS35SFM07.14
7.20		69	109	DJS35SFM07.20
7.30		69	109	DJS35SFM07.30
7.40		69	109	DJS35SFM07.40
7.50		69	109	DJS35SFM07.50
7.54	19/64"	75	117	DJS35SFM07.54
7.60		75	117	DJS35SFM07.60
7.70		75	117	DJS35SFM07.70
7.80		75	117	DJS35SFM07.80
7.90		75	117	DJS35SFM07.90
7.94	5/16"	75	117	DJS35SFM07.94
8.00		75	117	DJS35SFM08.00
8.10		75	117	DJS35SFM08.10
8.20		75	117	DJS35SFM08.20
8.30		75	117	DJS35SFM08.30
8.33	21/64"	75	117	DJS35SFM08.33
8.40		75	117	DJS35SFM08.40
8.50		75	117	DJS35SFM08.50
8.60		81	125	DJS35SFM08.60




<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type S
<b>Point</b>	135
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
8.70		81	125	DJS35SFM08.70
8.73	11/32"	81	125	DJS35SFM08.73
8.80		81	125	DJS35SFM08.80
8.90		81	125	DJS35SFM08.90
9.00		81	125	DJS35SFM09.00
9.10		81	125	DJS35SFM09.10
9.13	23/64"	81	125	DJS35SFM09.13
9.20		81	125	DJS35SFM09.20
9.30		81	125	DJS35SFM09.30
9.40		81	125	DJS35SFM09.40
9.50		81	125	DJS35SFM09.50
9.52	3/8"	87	133	DJS35SFM09.52
9.60		87	133	DJS35SFM09.60
9.70		87	133	DJS35SFM09.70
9.80		87	133	DJS35SFM09.80
9.90		87	133	DJS35SFM09.90
9.92	25/64"	87	133	DJS35SFM09.92
10.00		87	133	DJS35SFM10.00
10.10		87	133	DJS35SFM10.10
10.20		87	133	DJS35SFM10.20
10.30		87	133	DJS35SFM10.30
10.32	13/32"	87	133	DJS35SFM10.32
10.40		87	133	DJS35SFM10.40
10.50		87	133	DJS35SFM10.50
10.60		87	133	DJS35SFM10.60
10.70		94	142	DJS35SFM10.70
10.72	27/64"	94	142	DJS35SFM10.72
10.80		94	142	DJS35SFM10.80
10.90		94	142	DJS35SFM10.90

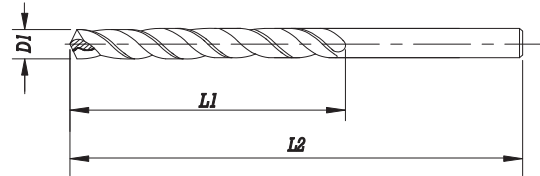



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<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type S
<b>Point</b>	135
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

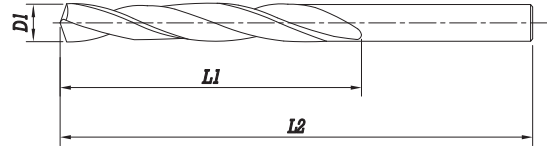
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
11.00		94	142	DJS35SFM11.00
11.10		94	142	DJS35SFM11.10
11.11	7/16"	94	142	DJS35SFM11.11
11.20		94	142	DJS35SFM11.20
11.30		94	142	DJS35SFM11.30
11.40		94	142	DJS35SFM11.40
11.50		94	142	DJS35SFM11.50
11.51	29/64"	94	142	DJS35SFM11.51
11.60		94	142	DJS35SFM11.60
11.70		94	142	DJS35SFM11.70
11.80		94	142	DJS35SFM11.80
11.90		101	151	DJS35SFM11.90
11.91	15/32"	101	151	DJS35SFM11.91
12.00		101	151	DJS35SFM12.00
12.10		101	151	DJS35SFM12.10
12.20		101	151	DJS35SFM12.20
12.30		101	151	DJS35SFM12.30
12.30	31/64"	101	151	DJS35SFM12.30
12.40		101	151	DJS35SFM12.40
12.50		101	151	DJS35SFM12.50
12.60		101	151	DJS35SFM12.60
12.70	1/2"	101	151	DJS35SFM12.70
12.70		101	151	DJS35SFM12.70
12.80		101	151	DJS35SFM12.80
12.90		101	151	DJS35SFM12.90
13.00		101	151	DJS35SFM13.00
13.10	33/64"	101	151	DJS35SFM13.10
13.49	17/32"	108	160	DJS35SFM13.49
13.50		108	160	DJS35SFM13.50




<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type S
<b>Point</b>	135
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
13.89	35/64"	108	160	DJS35SFM13.89
14.00		108	160	DJS35SFM14.00
14.29	9/16"	114	169	DJS35SFM14.29
14.50		114	169	DJS35SFM14.50
14.68	37/64"	114	169	DJS35SFM14.68
15.00		114	169	DJS35SFM15.00
15.08	19/32"	120	178	DJS35SFM15.08
15.48	39/64"	120	178	DJS35SFM15.48
15.50		120	178	DJS35SFM15.50
15.87	5/8"	120	178	DJS35SFM15.87
16.00		120	178	DJS35SFM16.00
16.50		125	184	DJS35SFM16.50
16.67	21/32"	125	184	DJS35SFM16.67
17.00		125	184	DJS35SFM17.00
17.46	11/16"	125	184	DJS35SFM17.46
17.50		130	191	DJS35SFM17.50
18.00		130	191	DJS35SFM18.00
18.26	23/32"	135	198	DJS35SFM18.26
18.50		135	198	DJS35SFM18.50
19.00		135	198	DJS35SFM19.00
19.05	3/4"	140	205	DJS35SFM19.05
19.50		140	205	DJS35SFM19.50
18.84	25/32"	140	205	DJS35SFM18.84
20.00		140	205	DJS35SFM20.00
20.64	13/16"	140	205	DJS35SFM20.64

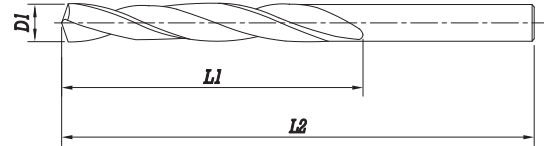



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<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type H
<b>Point</b>	118
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

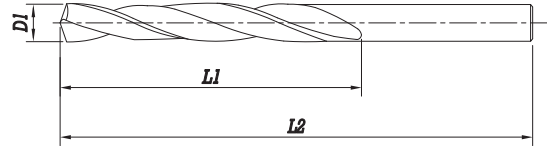
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
3.00		33	61	DJS35HBM03.00
3.10		36	65	DJS35HBM03.10
3.17	1/8"	36	65	DJS35HBM03.17
3.20		36	65	DJS35HBM03.20
3.30		36	65	DJS35HBM03.30
3.40		39	70	DJS35HBM03.40
3.50		39	70	DJS35HBM03.50
3.57	9/64"	39	70	DJS35HBM03.57
3.60		39	70	DJS35HBM03.60
3.70		39	70	DJS35HBM03.70
3.80		43	75	DJS35HBM03.80
3.90		43	75	DJS35HBM03.90
3.97	5/32"	43	75	DJS35HBM03.97
4.00		43	75	DJS35HBM04.00
4.10		43	75	DJS35HBM04.10
4.20		43	75	DJS35HBM04.20
4.30		47	80	DJS35HBM04.30
4.37	11/64"	47	80	DJS35HBM04.37
4.40		47	80	DJS35HBM04.40
4.50		47	80	DJS35HBM04.50
4.60		47	80	DJS35HBM04.60
4.70		47	80	DJS35HBM04.70
4.76	3/16"	52	86	DJS35HBM04.76
4.80		52	86	DJS35HBM04.80
4.90		52	86	DJS35HBM04.90
5.00		52	86	DJS35HBM05.00
5.10		52	86	DJS35HBM05.10



<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type H
<b>Point</b>	118
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
5.16	13/64"	52	86	DJS35HBM05.16
5.20		52	86	DJS35HBM05.20
5.30		52	86	DJS35HBM05.30
5.40		57	93	DJS35HBM05.40
5.50		57	93	DJS35HBM05.50
5.56	7/32"	57	93	DJS35HBM05.56
5.60		57	93	DJS35HBM05.60
5.70		57	93	DJS35HBM05.70
5.80		57	93	DJS35HBM05.80
5.90		57	93	DJS35HBM05.90
5.95	15/64"	57	93	DJS35HBM05.95
6.00		57	93	DJS35HBM06.00
6.10		63	101	DJS35HBM06.10
6.20		63	101	DJS35HBM06.20
6.30		63	101	DJS35HBM06.30
6.35	1/4"	63	101	DJS35HBM06.35
6.40		63	101	DJS35HBM06.40
6.50		63	101	DJS35HBM06.50
6.60		63	101	DJS35HBM06.60
6.70		63	101	DJS35HBM06.70
6.75	17/64"	69	109	DJS35HBM06.75
6.80		69	109	DJS35HBM06.80
6.90		69	109	DJS35HBM06.90
7.00		69	109	DJS35HBM07.00
7.10		69	109	DJS35HBM07.10
7.14	9/32"	69	109	DJS35HBM07.14
7.20		69	109	DJS35HBM07.20

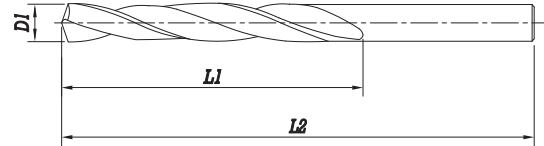



<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type H
<b>Point</b>	118
	Split Point Form C
<b>Surface Treatment</b>	Bright

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.



Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
7.30		69	109	DJS35HBM07.30
7.40		69	109	DJS35HBM07.40
7.50		69	109	DJS35HBM07.50
7.54	19/64"	75	117	DJS35HBM07.54
7.60		75	117	DJS35HBM07.60
7.70		75	117	DJS35HBM07.70
7.80		75	117	DJS35HBM07.80
7.90		75	117	DJS35HBM07.90
7.94	5/16"	75	117	DJS35HBM07.94
8.00		75	117	DJS35HBM08.00
8.10		75	117	DJS35HBM08.10
8.20		75	117	DJS35HBM08.20
8.30		75	117	DJS35HBM08.30
8.33	21/64"	75	117	DJS35HBM08.33
8.40		75	117	DJS35HBM08.40
8.50		75	117	DJS35HBM08.50
8.60		81	125	DJS35HBM08.60
8.70		81	125	DJS35HBM08.70
8.73	11/32"	81	125	DJS35HBM08.73
8.80		81	125	DJS35HBM08.80
8.90		81	125	DJS35HBM08.90
9.00		81	125	DJS35HBM09.00
9.10		81	125	DJS35HBM09.10
9.13	23/64"	81	125	DJS35HBM09.13
9.20		81	125	DJS35HBM09.20
9.30		81	125	DJS35HBM09.30
9.40		81	125	DJS35HBM09.40

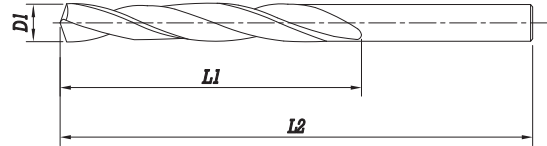


<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type H
<b>Point</b>	118
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
9.50		81	125	DJS35HBM09.50
9.52	3/8"	87	133	DJS35HBM09.52
9.60		87	133	DJS35HBM09.60
9.70		87	133	DJS35HBM09.70
9.80		87	133	DJS35HBM09.80
9.90		87	133	DJS35HBM09.90
9.92	25/64"	87	133	DJS35HBM09.92
10.00		87	133	DJS35HBM10.00
10.10		87	133	DJS35HBM10.10
10.20		87	133	DJS35HBM10.20
10.30		87	133	DJS35HBM10.30
10.32	13/32"	87	133	DJS35HBM10.32
10.40		87	133	DJS35HBM10.40
10.50		87	133	DJS35HBM10.50
10.60		87	133	DJS35HBM10.60
10.70		94	142	DJS35HBM10.70
10.72	27/64"	94	142	DJS35HBM10.72
10.80		94	142	DJS35HBM10.80
10.90		94	142	DJS35HBM10.90
11.00		94	142	DJS35HBM11.00
11.10		94	142	DJS35HBM11.10
11.11	7/16"	94	142	DJS35HBM11.11
11.20		94	142	DJS35HBM11.20
11.30		94	142	DJS35HBM11.30
11.40		94	142	DJS35HBM11.40
11.50		94	142	DJS35HBM11.50
11.51	29/64"	94	142	DJS35HBM11.51





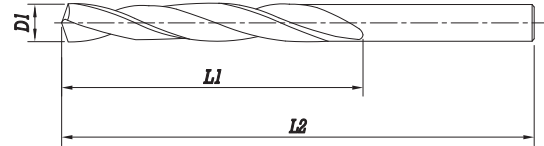
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<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type H
<b>Point</b>	118
	Split Point Form C
<b>Surface Treatment</b>	Bright

Application:  
These drills are used for drilling of hard, brittle and short chip materials, ie., Brass, Bronze and Magnesium Alloys, etc.



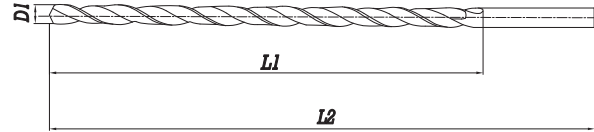
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
11.60		94	142	DJS35HBM11.60
11.70		94	142	DJS35HBM11.70
11.80		94	142	DJS35HBM11.80
11.90		101	151	DJS35HBM11.90
11.91	15/32"	101	151	DJS35HBM11.91
12.00		101	151	DJS35HBM12.00
12.10		101	151	DJS35HBM12.10
12.20		101	151	DJS35HBM12.20
12.30		101	151	DJS35HBM12.30
12.30	31/64"	101	151	DJS35HBM12.30
12.40		101	151	DJS35HBM12.40
12.50		101	151	DJS35HBM12.50
12.60		101	151	DJS35HBM12.60
12.70	1/2"	101	151	DJS35HBM12.70
12.70		101	151	DJS35HBM12.70
12.80		101	151	DJS35HBM12.80
12.90		101	151	DJS35HBM12.90
13.00		101	151	DJS35HBM13.00
13.10	33/64"	101	151	DJS35HBM13.10
13.49	17/32"	108	160	DJS35HBM13.49
13.50		108	160	DJS35HBM13.50
13.89	35/64"	108	160	DJS35HBM13.89
14.00		108	160	DJS35HBM14.00
14.29	9/16"	114	169	DJS35HBM14.29
14.50		114	169	DJS35HBM14.50
14.68	37/64"	114	169	DJS35HBM14.68
15.00		114	169	DJS35HBM15.00




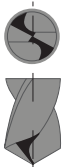

<b>Series</b>	
<b>Standard</b>	DIN338
<b>Material</b>	M35
<b>Helix</b>	Type H
<b>Point</b>	118
	Split Point Form C
<b>Surface Treatment</b>	Bright
	

Application:  
These drills are used for drilling of hard, brittle and short chip materials, i.e., Brass, Bronze and Magnesium Alloys, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP
mm	inch	mm	mm	
15.08	19/32"	120	178	DJS35HBM15.08
15.48	39/64"	120	178	DJS35HBM15.48
15.50		120	178	DJS35HBM15.50
15.87	5/8"	120	178	DJS35HBM15.87
16.00		120	178	DJS35HBM16.00
16.50		125	184	DJS35HBM16.50
16.67	21/32"	125	184	DJS35HBM16.67
17.00		125	184	DJS35HBM17.00
17.46	11/16"	125	184	DJS35HBM17.46
17.50		130	191	DJS35HBM17.50
18.00		130	191	DJS35HBM18.00
18.26	23/32"	135	198	DJS35HBM18.26
18.50		135	198	DJS35HBM18.50
19.00		135	198	DJS35HBM19.00
19.05	3/4"	140	205	DJS35HBM19.05
19.50		140	205	DJS35HBM19.50
18.84	25/32"	140	205	DJS35HBM18.84
20.00		140	205	DJS35HBM20.00
20.64	13/16"	140	205	DJS35HBM20.64

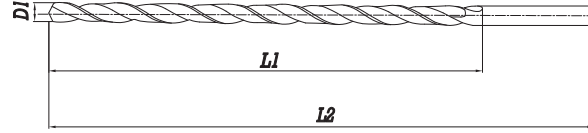



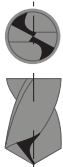

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<b>Series</b>			
<b>Standard</b>	DIN340	DIN340	DIN340
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

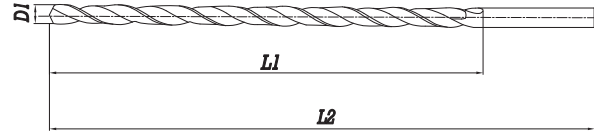
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
1.00		33	56	DJL02NAM01.00	DJL02NAM01.00-ST	DJL35SFM01.00
1.10		37	60	DJL02NAM01.10	DJL02NAM01.10-ST	DJL35SFM01.10
1.19	3/64"	41	65	DJL02NAM01.19	DJL02NAM01.19-ST	DJL35SFM01.19
1.20		41	65	DJL02NAM01.20	DJL02NAM01.20-ST	DJL35SFM01.20
1.30		41	65	DJL02NAM01.30	DJL02NAM01.30-ST	DJL35SFM01.30
1.40		45	70	DJL02NAM01.40	DJL02NAM01.40-ST	DJL35SFM01.40
1.50		45	70	DJL02NAM01.50	DJL02NAM01.50-ST	DJL35SFM01.50
1.59	1/16"	50	76	DJL02NAM01.59	DJL02NAM01.59-ST	DJL35SFM01.59
1.60		50	76	DJL02NAM01.60	DJL02NAM01.60-ST	DJL35SFM01.60
1.80		53	80	DJL02NAM01.80	DJL02NAM01.80-ST	DJL35SFM01.80
1.90		53	80	DJL02NAM01.90	DJL02NAM01.90-ST	DJL35SFM01.90
1.98	5/64"	56	85	DJL02NAM01.98	DJL02NAM01.98-ST	DJL35SFM01.98
2.00		56	85	DJL02NAM02.00	DJL02NAM02.00-ST	DJL35SFM02.00
2.10		56	85	DJL02NAM02.10	DJL02NAM02.10-ST	DJL35SFM02.10
2.20		59	90	DJL02NAM02.20	DJL02NAM02.20-ST	DJL35SFM02.20
2.30		59	90	DJL02NAM02.30	DJL02NAM02.30-ST	DJL35SFM02.30
2.38	3/32"	62	95	DJL02NAM02.38	DJL02NAM02.38-ST	DJL35SFM02.38
2.40		62	95	DJL02NAM02.40	DJL02NAM02.40-ST	DJL35SFM02.40
2.50		62	95	DJL02NAM02.50	DJL02NAM02.50-ST	DJL35SFM02.50
2.60		62	95	DJL02NAM02.60	DJL02NAM02.60-ST	DJL35SFM02.60
2.70		66	100	DJL02NAM02.70	DJL02NAM02.70-ST	DJL35SFM02.70
2.78	7/64"	66	100	DJL02NAM02.78	DJL02NAM02.78-ST	DJL35SFM02.78
2.80		66	100	DJL02NAM02.80	DJL02NAM02.80-ST	DJL35SFM02.80
2.90		66	100	DJL02NAM02.90	DJL02NAM02.90-ST	DJL35SFM02.90
3.00		66	100	DJL02NAM03.00	DJL02NAM03.00-ST	DJL35SFM03.00
3.10		69	106	DJL02NAM03.10	DJL02NAM03.10-ST	DJL35SFM03.10
3.17	1/8"	69	106	DJL02NAM03.17	DJL02NAM03.17-ST	DJL35SFM03.17




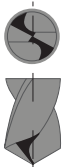

<b>Series</b>			
<b>Standard</b>	DIN340	DIN340	DIN340
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
3.20		69	106	DJL02NAM03.20	DJL02NAM03.20-ST	DJL35SFM03.20
3.30		69	106	DJL02NAM03.30	DJL02NAM03.30-ST	DJL35SFM03.30
3.40		73	112	DJL02NAM03.40	DJL02NAM03.40-ST	DJL35SFM03.40
3.50		73	112	DJL02NAM03.50	DJL02NAM03.50-ST	DJL35SFM03.50
3.60		73	112	DJL02NAM03.60	DJL02NAM03.60-ST	DJL35SFM03.60
3.70		73	112	DJL02NAM03.70	DJL02NAM03.70-ST	DJL35SFM03.70
3.80		78	119	DJL02NAM03.80	DJL02NAM03.80-ST	DJL35SFM03.80
3.90		78	119	DJL02NAM03.90	DJL02NAM03.90-ST	DJL35SFM03.90
3.97	5/32"	78	119	DJL02NAM03.97	DJL02NAM03.97-ST	DJL35SFM03.97
4.00		78	119	DJL02NAM04.00	DJL02NAM04.00-ST	DJL35SFM04.00
4.10		78	119	DJL02NAM04.10	DJL02NAM04.10-ST	DJL35SFM04.10
4.20		78	119	DJL02NAM04.20	DJL02NAM04.20-ST	DJL35SFM04.20
4.30		82	126	DJL02NAM04.30	DJL02NAM04.30-ST	DJL35SFM04.30
4.37	11/64"	82	126	DJL02NAM04.37	DJL02NAM04.37-ST	DJL35SFM04.37
4.40		82	126	DJL02NAM04.40	DJL02NAM04.40-ST	DJL35SFM04.40
4.50		82	126	DJL02NAM04.50	DJL02NAM04.50-ST	DJL35SFM04.50
4.60		82	126	DJL02NAM04.60	DJL02NAM04.60-ST	DJL35SFM04.60
4.70		82	126	DJL02NAM04.70	DJL02NAM04.70-ST	DJL35SFM04.70
4.76	3/16"	87	132	DJL02NAM04.76	DJL02NAM04.76-ST	DJL35SFM04.76
4.80		87	132	DJL02NAM04.80	DJL02NAM04.80-ST	DJL35SFM04.80
4.90		87	132	DJL02NAM04.90	DJL02NAM04.90-ST	DJL35SFM04.90
5.00		87	132	DJL02NAM05.00	DJL02NAM05.00-ST	DJL35SFM05.00
5.10		87	132	DJL02NAM05.10	DJL02NAM05.10-ST	DJL35SFM05.10
5.16	13/64	87	132	DJL02NAM05.16	DJL02NAM05.16-ST	DJL35SFM05.16
5.20		87	132	DJL02NAM05.20	DJL02NAM05.20-ST	DJL35SFM05.20
5.30		87	132	DJL02NAM05.30	DJL02NAM05.30-ST	DJL35SFM05.30
5.40		91	139	DJL02NAM05.40	DJL02NAM05.40-ST	DJL35SFM05.40

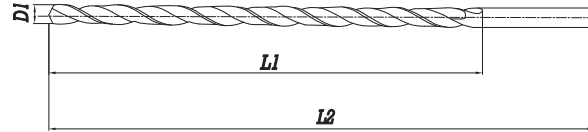



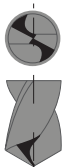

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<b>Series</b>			
<b>Standard</b>	DIN340	DIN340	DIN340
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

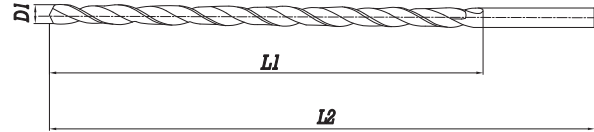
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
5.50		91	139	DJL02NAM05.50	DJL02NAM05.50-ST	DJL35SFM05.50
5.56	7/32"	91	139	DJL02NAM05.56	DJL02NAM05.56-ST	DJL35SFM05.56
5.60		91	139	DJL02NAM05.60	DJL02NAM05.60-ST	DJL35SFM05.60
5.70		91	139	DJL02NAM05.70	DJL02NAM05.70-ST	DJL35SFM05.70
5.80		91	139	DJL02NAM05.80	DJL02NAM05.80-ST	DJL35SFM05.80
5.90		91	139	DJL02NAM05.90	DJL02NAM05.90-ST	DJL35SFM05.90
5.95	15/64"	91	139	DJL02NAM05.95	DJL02NAM05.95-ST	DJL35SFM05.95
6.00		91	139	DJL02NAM06.00	DJL02NAM06.00-ST	DJL35SFM06.00
6.10		97	148	DJL02NAM06.10	DJL02NAM06.10-ST	DJL35SFM06.10
6.20		97	148	DJL02NAM06.20	DJL02NAM06.20-ST	DJL35SFM06.20
6.30		97	148	DJL02NAM06.30	DJL02NAM06.30-ST	DJL35SFM06.30
6.35	1/4"	97	148	DJL02NAM06.35	DJL02NAM06.35-ST	DJL35SFM06.35
6.40		97	148	DJL02NAM06.40	DJL02NAM06.40-ST	DJL35SFM06.40
6.50		97	148	DJL02NAM06.50	DJL02NAM06.50-ST	DJL35SFM06.50
6.60		97	148	DJL02NAM06.60	DJL02NAM06.60-ST	DJL35SFM06.60
6.70		97	148	DJL02NAM06.70	DJL02NAM06.70-ST	DJL35SFM06.70
6.75	17/64"	102	156	DJL02NAM06.75	DJL02NAM06.75-ST	DJL35SFM06.75
6.80		102	156	DJL02NAM06.80	DJL02NAM06.80-ST	DJL35SFM06.80
6.90		102	156	DJL02NAM06.90	DJL02NAM06.90-ST	DJL35SFM06.90
7.00		102	156	DJL02NAM07.00	DJL02NAM07.00-ST	DJL35SFM07.00
7.10		102	156	DJL02NAM07.10	DJL02NAM07.10-ST	DJL35SFM07.10
7.14	9/32"	102	156	DJL02NAM07.14	DJL02NAM07.14-ST	DJL35SFM07.14
7.20		102	156	DJL02NAM07.20	DJL02NAM07.20-ST	DJL35SFM07.20
7.30		102	156	DJL02NAM07.30	DJL02NAM07.30-ST	DJL35SFM07.30
7.40		102	156	DJL02NAM07.40	DJL02NAM07.40-ST	DJL35SFM07.40
7.50		102	156	DJL02NAM07.50	DJL02NAM07.50-ST	DJL35SFM07.50
7.54	19/64"	109	165	DJL02NAM07.54	DJL02NAM07.54-ST	DJL35SFM07.54


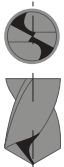



<b>Series</b>			
<b>Standard</b>	DIN340	DIN340	DIN340
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

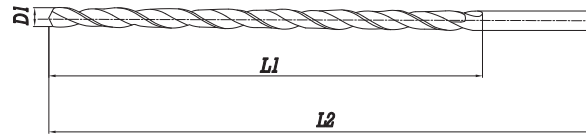
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
7.60		109	165	DJL02NAM07.60	DJL02NAM07.60-ST	DJL35SFM07.60
7.70		109	165	DJL02NAM07.70	DJL02NAM07.70-ST	DJL35SFM07.70
7.80		109	165	DJL02NAM07.80	DJL02NAM07.80-ST	DJL35SFM07.80
7.90		109	165	DJL02NAM07.90	DJL02NAM07.90-ST	DJL35SFM07.90
7.94	5/16"	109	165	DJL02NAM07.94	DJL02NAM07.94-ST	DJL35SFM07.94
8.00		109	165	DJL02NAM08.00	DJL02NAM08.00-ST	DJL35SFM08.00
8.10		109	165	DJL02NAM08.10	DJL02NAM08.10-ST	DJL35SFM08.10
8.20		109	165	DJL02NAM08.20	DJL02NAM08.20-ST	DJL35SFM08.20
8.30		109	165	DJL02NAM08.30	DJL02NAM08.30-ST	DJL35SFM08.30
8.33	21/64"	109	165	DJL02NAM08.33	DJL02NAM08.33-ST	DJL35SFM08.33
8.40		109	165	DJL02NAM08.40	DJL02NAM08.40-ST	DJL35SFM08.40
8.50		109	165	DJL02NAM08.50	DJL02NAM08.50-ST	DJL35SFM08.50
8.60		115	175	DJL02NAM08.60	DJL02NAM08.60-ST	DJL35SFM08.60
8.70		115	175	DJL02NAM08.70	DJL02NAM08.70-ST	DJL35SFM08.70
8.73	11/32"	115	175	DJL02NAM08.73	DJL02NAM08.73-ST	DJL35SFM08.73
8.80		115	175	DJL02NAM08.80	DJL02NAM08.80-ST	DJL35SFM08.80
8.90		115	175	DJL02NAM08.90	DJL02NAM08.90-ST	DJL35SFM08.90
9.00		115	175	DJL02NAM09.00	DJL02NAM09.00-ST	DJL35SFM09.00
9.10		115	175	DJL02NAM09.10	DJL02NAM09.10-ST	DJL35SFM09.10
9.13	23/64"	115	175	DJL02NAM09.13	DJL02NAM09.13-ST	DJL35SFM09.13
9.20		115	175	DJL02NAM09.20	DJL02NAM09.20-ST	DJL35SFM09.20
9.30		115	175	DJL02NAM09.30	DJL02NAM09.30-ST	DJL35SFM09.30
9.40		115	175	DJL02NAM09.40	DJL02NAM09.40-ST	DJL35SFM09.40
9.50		115	175	DJL02NAM09.50	DJL02NAM09.50-ST	DJL35SFM09.50
9.52	3/8"	121	184	DJL02NAM09.52	DJL02NAM09.52-ST	DJL35SFM09.52
9.60		121	184	DJL02NAM09.60	DJL02NAM09.60-ST	DJL35SFM09.60
9.70		121	184	DJL02NAM09.70	DJL02NAM09.70-ST	DJL35SFM09.70


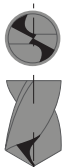



<b>Series</b>			
<b>Standard</b>	DIN340	DIN340	DIN340
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
9.80		121	184	DJL02NAM09.80	DJL02NAM09.80-ST	DJL35SFM09.80
9.90		121	184	DJL02NAM09.90	DJL02NAM09.90-ST	DJL35SFM09.90
9.92	25/64"	121	184	DJL02NAM09.92	DJL02NAM09.92-ST	DJL35SFM09.92
10.00		121	184	DJL02NAM10.00	DJL02NAM10.00-ST	DJL35SFM10.00
10.10		121	184	DJL02NAM10.10	DJL02NAM10.10-ST	DJL35SFM10.10
10.20		121	184	DJL02NAM10.20	DJL02NAM10.20-ST	DJL35SFM10.20
10.30		121	184	DJL02NAM10.30	DJL02NAM10.30-ST	DJL35SFM10.30
10.32	13/32"	121	184	DJL02NAM10.32	DJL02NAM10.32-ST	DJL35SFM10.32
10.40		121	184	DJL02NAM10.40	DJL02NAM10.40-ST	DJL35SFM10.40
10.50		121	184	DJL02NAM10.50	DJL02NAM10.50-ST	DJL35SFM10.50
10.60		121	184	DJL02NAM10.60	DJL02NAM10.60-ST	DJL35SFM10.60
10.70		128	195	DJL02NAM10.70	DJL02NAM10.70-ST	DJL35SFM10.70
10.72	27/64	128	195	DJL02NAM10.72	DJL02NAM10.72-ST	DJL35SFM10.72
10.80		128	195	DJL02NAM10.80	DJL02NAM10.80-ST	DJL35SFM10.80
10.90		128	195	DJL02NAM10.90	DJL02NAM10.90-ST	DJL35SFM10.90
11.00		128	195	DJL02NAM11.00	DJL02NAM11.00-ST	DJL35SFM11.00
11.11	7/16"	128	195	DJL02NAM11.11	DJL02NAM11.11-ST	DJL35SFM11.11
11.20		128	195	DJL02NAM11.20	DJL02NAM11.20-ST	DJL35SFM11.20
11.30		128	195	DJL02NAM11.30	DJL02NAM11.30-ST	DJL35SFM11.30
11.40		128	195	DJL02NAM11.40	DJL02NAM11.40-ST	DJL35SFM11.40
11.50		128	195	DJL02NAM11.50	DJL02NAM11.50-ST	DJL35SFM11.50
11.51	29/64"	128	195	DJL02NAM11.51	DJL02NAM11.51-ST	DJL35SFM11.51
11.60		128	195	DJL02NAM11.60	DJL02NAM11.60-ST	DJL35SFM11.60
11.70		128	195	DJL02NAM11.70	DJL02NAM11.70-ST	DJL35SFM11.70
11.80		128	195	DJL02NAM11.80	DJL02NAM11.80-ST	DJL35SFM11.80
11.90		134	205	DJL02NAM11.90	DJL02NAM11.90-ST	DJL35SFM11.90
11.91	15/32"	134	205	DJL02NAM11.91	DJL02NAM11.91-ST	DJL35SFM11.91

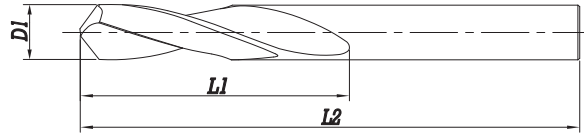




<b>Series</b>			
<b>Standard</b>	DIN340	DIN340	DIN340
<b>Material</b>	M2	M2	M2
<b>Helix</b>	Type N	Type N	Type N
<b>Point</b>	118	118	135
	No Split Point	Split Point Form C	Split Point Form C
<b>Surface Treatment</b>	Bright	Steam Tempered	Bright
			

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP	EDP
mm	inch	mm	mm			
12.00		134	205	DJL02NAM12.00	DJL02NAM12.00-ST	DJL35SFM12.00
12.10		134	205	DJL02NAM12.10	DJL02NAM12.10-ST	DJL35SFM12.10
12.20		134	205	DJL02NAM12.20	DJL02NAM12.20-ST	DJL35SFM12.20
12.30	31/64"	134	205	DJL02NAM12.30	DJL02NAM12.30-ST	DJL35SFM12.30
12.40		134	205	DJL02NAM12.40	DJL02NAM12.40-ST	DJL35SFM12.40
12.50		134	205	DJL02NAM12.50	DJL02NAM12.50-ST	DJL35SFM12.50
12.60		134	205	DJL02NAM12.60	DJL02NAM12.60-ST	DJL35SFM12.60
12.70	1/2"	134	205	DJL02NAM12.70	DJL02NAM12.70-ST	DJL35SFM12.70
12.80		134	205	DJL02NAM12.80	DJL02NAM12.80-ST	DJL35SFM12.80
12.90		134	205	DJL02NAM12.90	DJL02NAM12.90-ST	DJL35SFM12.90
13.00		134	205	DJL02NAM13.00	DJL02NAM13.00-ST	DJL35SFM13.00

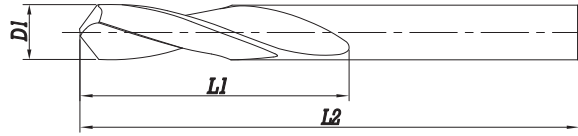






<b>Series</b>		
<b>Standard</b>	DIN1897	DIN1897
<b>Material</b>	M2	M2
<b>Helix</b>	Type N	Type N
<b>Point</b>	118	118
	No Split Point	Split Point Form C
<b>Surface Treatment</b>	Bright	Bright
		

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

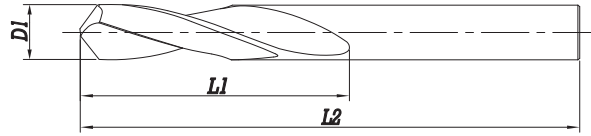
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
1.00		6	26	DSS02NAM01.00	DSS02NBM01.00
1.10		7	28	DSS02NAM01.10	DSS02NBM01.10
1.19	3/64"	8	30	DSS02NAM01.19	DSS02NBM01.19
1.20		8	30	DSS02NAM01.20	DSS02NBM01.20
1.30		8	30	DSS02NAM01.30	DSS02NBM01.30
1.40		9	32	DSS02NAM01.40	DSS02NBM01.40
1.50		9	32	DSS02NAM01.50	DSS02NBM01.50
1.59	1/16"	10	34	DSS02NAM01.59	DSS02NBM01.59
1.60		10	34	DSS02NAM01.60	DSS02NBM01.60
1.70		10	34	DSS02NAM01.70	DSS02NBM01.70
1.80		11	36	DSS02NAM01.80	DSS02NBM01.80
1.90		11	36	DSS02NAM01.90	DSS02NBM01.90
1.98	5/64"	12	38	DSS02NAM01.98	DSS02NBM01.98
2.00		12	38	DSS02NAM02.00	DSS02NBM02.00
2.10		12	38	DSS02NAM02.10	DSS02NBM02.10
2.20		13	40	DSS02NAM02.20	DSS02NBM02.20
2.30		13	40	DSS02NAM02.30	DSS02NBM02.30
2.38	3/32"	14	43	DSS02NAM02.38	DSS02NBM02.38
2.40		14	43	DSS02NAM02.40	DSS02NBM02.40
2.50		14	43	DSS02NAM02.50	DSS02NBM02.50
2.60		14	43	DSS02NAM02.60	DSS02NBM02.60
2.70		16	46	DSS02NAM02.70	DSS02NBM02.70
2.78	7/64"	16	46	DSS02NAM02.78	DSS02NBM02.78
2.80		16	46	DSS02NAM02.80	DSS02NBM02.80
2.90		16	46	DSS02NAM02.90	DSS02NBM02.90
3.00		16	46	DSS02NAM03.00	DSS02NBM03.00
3.10		18	49	DSS02NAM03.10	DSS02NBM03.10
3.18	1/8"	18	49	DSS02NAM03.18	DSS02NBM03.18





<b>Series</b>		
<b>Standard</b>	DIN1897	DIN1897
<b>Material</b>	M2	M2
<b>Helix</b>	Type N	Type N
<b>Point</b>	118	118
	No Split Point	Split Point Form C
<b>Surface Treatment</b>	Bright	Bright
		

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

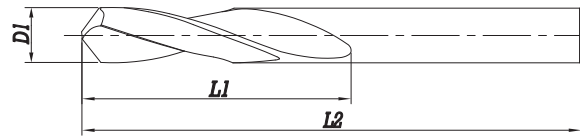
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
3.20		18	49	DSS02NAM03.20	DSS02NBM03.20
3.30		18	49	DSS02NAM03.30	DSS02NBM03.30
3.40		20	52	DSS02NAM03.40	DSS02NBM03.40
3.50		20	52	DSS02NAM03.50	DSS02NBM03.50
3.57	9/64"	20	52	DSS02NAM03.57	DSS02NBM03.57
3.60		20	52	DSS02NAM03.60	DSS02NBM03.60
3.70		20	52	DSS02NAM03.70	DSS02NBM03.70
3.80		22	55	DSS02NAM03.80	DSS02NBM03.80
3.90		22	55	DSS02NAM03.90	DSS02NBM03.90
3.97	5/32"	22	55	DSS02NAM03.97	DSS02NBM03.97
4.00		22	55	DSS02NAM04.00	DSS02NBM04.00
4.10		22	55	DSS02NAM04.10	DSS02NBM04.10
4.20		22	55	DSS02NAM04.20	DSS02NBM04.20
4.30		24	58	DSS02NAM04.30	DSS02NBM04.30
4.37	11/64"	24	58	DSS02NAM04.37	DSS02NBM04.37
4.40		24	58	DSS02NAM04.40	DSS02NBM04.40
4.50		24	58	DSS02NAM04.50	DSS02NBM04.50
4.60		24	58	DSS02NAM04.60	DSS02NBM04.60
4.70		24	58	DSS02NAM04.70	DSS02NBM04.70
4.76	3/16	26	62	DSS02NAM04.76	DSS02NBM04.76
4.80		26	62	DSS02NAM04.80	DSS02NBM04.80
4.90		26	62	DSS02NAM04.90	DSS02NBM04.90
5.00		26	62	DSS02NAM05.00	DSS02NBM05.00
5.10		26	62	DSS02NAM05.10	DSS02NBM05.10
5.16	13/64	26	62	DSS02NAM05.16	DSS02NBM05.16
5.20		26	62	DSS02NAM05.20	DSS02NBM05.20
5.30		26	62	DSS02NAM05.30	DSS02NBM05.30
5.40		28	66	DSS02NAM05.40	DSS02NBM05.40





<b>Series</b>		
<b>Standard</b>	DIN1897	DIN1897
<b>Material</b>	M2	M2
<b>Helix</b>	Type N	Type N
<b>Point</b>	118	118
	No Split Point	Split Point Form C
<b>Surface Treatment</b>	Bright	Bright
		

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

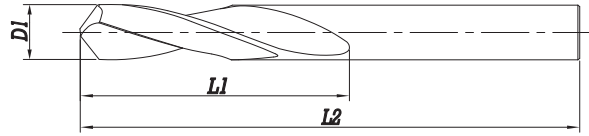
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
5.50		28	66	DSS02NAM05.50	DSS02NBM05.50
5.56	7/32"	28	66	DSS02NAM05.56	DSS02NBM05.56
5.60		28	66	DSS02NAM05.60	DSS02NBM05.60
5.70		28	66	DSS02NAM05.70	DSS02NBM05.70
5.80		28	66	DSS02NAM05.80	DSS02NBM05.80
5.90		28	66	DSS02NAM05.90	DSS02NBM05.90
5.95	15/64	28	66	DSS02NAM05.95	DSS02NBM05.95
6.00		28	66	DSS02NAM06.00	DSS02NBM06.00
6.10		31	70	DSS02NAM06.10	DSS02NBM06.10
6.20		31	70	DSS02NAM06.20	DSS02NBM06.20
6.30		31	70	DSS02NAM06.30	DSS02NBM06.30
6.40		31	70	DSS02NAM06.40	DSS02NBM06.40
6.35	1/4"	31	70	DSS02NAM06.35	DSS02NBM06.35
6.50		31	70	DSS02NAM06.50	DSS02NBM06.50
6.60		31	70	DSS02NAM06.60	DSS02NBM06.60
6.70		31	70	DSS02NAM06.70	DSS02NBM06.70
6.75	17/64	34	74	DSS02NAM06.75	DSS02NBM06.75
6.80		34	74	DSS02NAM06.80	DSS02NBM06.80
6.90		34	74	DSS02NAM06.90	DSS02NBM06.90
7.00		34	74	DSS02NAM07.00	DSS02NBM07.00
7.10		34	74	DSS02NAM07.10	DSS02NBM07.10
7.14	9/32"	34	74	DSS02NAM07.14	DSS02NBM07.14
7.20		34	74	DSS02NAM07.20	DSS02NBM07.20
7.30		34	74	DSS02NAM07.30	DSS02NBM07.30
7.40		34	74	DSS02NAM07.40	DSS02NBM07.40
7.50		34	74	DSS02NAM07.50	DSS02NBM07.50
7.54	19/64	37	79	DSS02NAM07.54	DSS02NBM07.54
7.60		37	79	DSS02NAM07.60	DSS02NBM07.60





<b>Series</b>		
<b>Standard</b>	DIN1897	DIN1897
<b>Material</b>	M2	M2
<b>Helix</b>	Type N	Type N
<b>Point</b>	118	118
	No Split Point	Split Point Form C
<b>Surface Treatment</b>	Bright	Bright
		

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

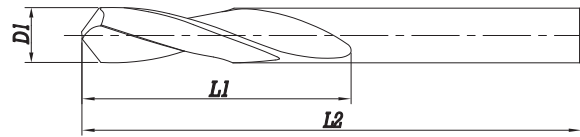
Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
7.70		37	79	DSS02NAM07.70	DSS02NBM07.70
7.80		37	79	DSS02NAM07.80	DSS02NBM07.80
7.90		37	79	DSS02NAM07.90	DSS02NBM07.90
7.94	5/16"	37	79	DSS02NAM07.94	DSS02NBM07.94
8.00		37	79	DSS02NAM08.00	DSS02NBM08.00
8.10		37	79	DSS02NAM08.10	DSS02NBM08.10
8.20		37	79	DSS02NAM08.20	DSS02NBM08.20
8.30		37	79	DSS02NAM08.30	DSS02NBM08.30
8.33	21/64	37	79	DSS02NAM08.33	DSS02NBM08.33
8.40		37	79	DSS02NAM08.40	DSS02NBM08.40
8.50		37	79	DSS02NAM08.50	DSS02NBM08.50
8.60		40	84	DSS02NAM08.60	DSS02NBM08.60
8.70		40	84	DSS02NAM08.70	DSS02NBM08.70
8.73	11/32"	40	84	DSS02NAM08.73	DSS02NBM08.73
8.80		40	84	DSS02NAM08.80	DSS02NBM08.80
8.90		40	84	DSS02NAM08.90	DSS02NBM08.90
9.00		40	84	DSS02NAM09.00	DSS02NBM09.00
9.10		40	84	DSS02NAM09.10	DSS02NBM09.10
9.13	23/64	40	84	DSS02NAM09.13	DSS02NBM09.13
9.20		40	84	DSS02NAM09.20	DSS02NBM09.20
9.30		40	84	DSS02NAM09.30	DSS02NBM09.30
9.40		40	84	DSS02NAM09.40	DSS02NBM09.40
9.50		40	84	DSS02NAM09.50	DSS02NBM09.50
9.60		43	89	DSS02NAM09.60	DSS02NBM09.60
9.70		43	89	DSS02NAM09.70	DSS02NBM09.70
9.52	3/8"	43	89	DSS02NAM09.52	DSS02NBM09.52
9.80		43	89	DSS02NAM09.80	DSS02NBM09.80
9.90		43	89	DSS02NAM09.90	DSS02NBM09.90





<b>Series</b>		
<b>Standard</b>	DIN1897	DIN1897
<b>Material</b>	M2	M2
<b>Helix</b>	Type N	Type N
<b>Point</b>	118	118
	No Split Point	Split Point Form C
<b>Surface Treatment</b>	Bright	Bright
		

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
9.92	25/64	43	89	DSS02NAM09.92	DSS02NBM09.92
10.00		43	89	DSS02NAM10.00	DSS02NBM10.00
10.10		43	89	DSS02NAM10.10	DSS02NBM10.10
10.20		43	89	DSS02NAM10.20	DSS02NBM10.20
10.30		43	89	DSS02NAM10.30	DSS02NBM10.30
10.32	13/32	43	89	DSS02NAM10.32	DSS02NBM10.32
10.40		43	89	DSS02NAM10.40	DSS02NBM10.40
10.50		43	89	DSS02NAM10.50	DSS02NBM10.50
10.60		43	89	DSS02NAM10.60	DSS02NBM10.60
10.70		47	95	DSS02NAM10.70	DSS02NBM10.70
10.72	27/64	47	95	DSS02NAM10.72	DSS02NBM10.72
10.80		47	95	DSS02NAM10.80	DSS02NBM10.80
10.90		47	95	DSS02NAM10.90	DSS02NBM10.90
11.00		47	95	DSS02NAM11.00	DSS02NBM11.00
11.10		47	95	DSS02NAM11.10	DSS02NBM11.10
11.11	7/16"	47	95	DSS02NAM11.11	DSS02NBM11.11
11.20		47	95	DSS02NAM11.20	DSS02NBM11.20
11.30		47	95	DSS02NAM11.30	DSS02NBM11.30
11.40		47	95	DSS02NAM11.40	DSS02NBM11.40
11.50		47	95	DSS02NAM11.50	DSS02NBM11.50
11.51	29/64	47	95	DSS02NAM11.51	DSS02NBM11.51
11.60		47	95	DSS02NAM11.60	DSS02NBM11.60
11.70		47	95	DSS02NAM11.70	DSS02NBM11.70
11.80		47	95	DSS02NAM11.80	DSS02NBM11.80
11.90		51	102	DSS02NAM11.90	DSS02NBM11.90
11.91	15/32	51	102	DSS02NAM11.91	DSS02NBM11.91
12.00		51	102	DSS02NAM12.00	DSS02NBM12.00
12.10		51	102	DSS02NAM12.10	DSS02NBM12.10



<b>Series</b>		
<b>Standard</b>	DIN1897	DIN1897
<b>Material</b>	M2	M2
<b>Helix</b>	Type N	Type N
<b>Point</b>	118	118
	No Split Point	Split Point Form C
<b>Surface Treatment</b>	Bright	Bright
		

Application:  
General purpose drilling of Mild steel,  
Medium carbon steel and Non Ferrous materials, etc.

Size (D1)		Flute Length (L2)	Overall Length (L1)	EDP	EDP
mm	inch	mm	mm		
12.20		51	102	DSS02NAM12.20	DSS02NBM12.20
12.30		51	102	DSS02NAM12.30	DSS02NBM12.30
12.40		51	102	DSS02NAM12.40	DSS02NBM12.40
12.50		51	102	DSS02NAM12.50	DSS02NBM12.50
12.60		51	102	DSS02NAM12.60	DSS02NBM12.60
12.70	1/2"	51	102	DSS02NAM12.70	DSS02NBM12.70
12.80		51	102	DSS02NAM12.80	DSS02NBM12.80
12.90		51	102	DSS02NAM12.90	DSS02NBM12.90
13.00		51	102	DSS02NAM13.00	DSS02NBM13.00
13.50		54	107	DSS02NAM13.50	DSS02NBM13.50
14.00		54	107	DSS02NAM14.00	DSS02NBM14.00
14.28	9/16"	56	111	DSS02NAM14.28	DSS02NBM14.28
14.50		56	111	DSS02NAM14.50	DSS02NBM14.50
15.00		56	111	DSS02NAM15.00	DSS02NBM15.00
15.50		58	115	DSS02NAM15.50	DSS02NBM15.50
16.00		58	115	DSS02NAM16.00	DSS02NBM16.00
16.50		60	119	DSS02NAM16.50	DSS02NBM16.50
17.00		60	119	DSS02NAM17.00	DSS02NBM17.00
17.50		62	123	DSS02NAM17.50	DSS02NBM17.50
18.00		62	123	DSS02NAM18.00	DSS02NBM18.00
18.50		64	127	DSS02NAM18.50	DSS02NBM18.50
19.00		64	127	DSS02NAM19.00	DSS02NBM19.00
19.50		66	131	DSS02NAM19.50	DSS02NBM19.50
20.00		66	131	DSS02NAM20.00	DSS02NBM20.00



**CUTTING TOOL DIVISION - UNIT 1, NASHIK**



**CUTTING TOOL DIVISION - UNIT 2, AURANGABAD**



**TOOL HOLDER DIVISION, AURANGABAD**



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