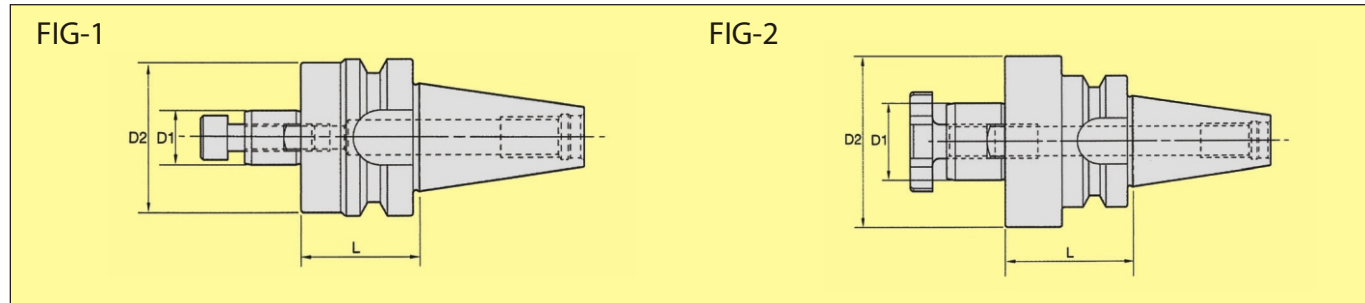


BT30 Shank Tools

MAS 403, JIS B 6339

Shell Mill Adapters – Metric



- 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

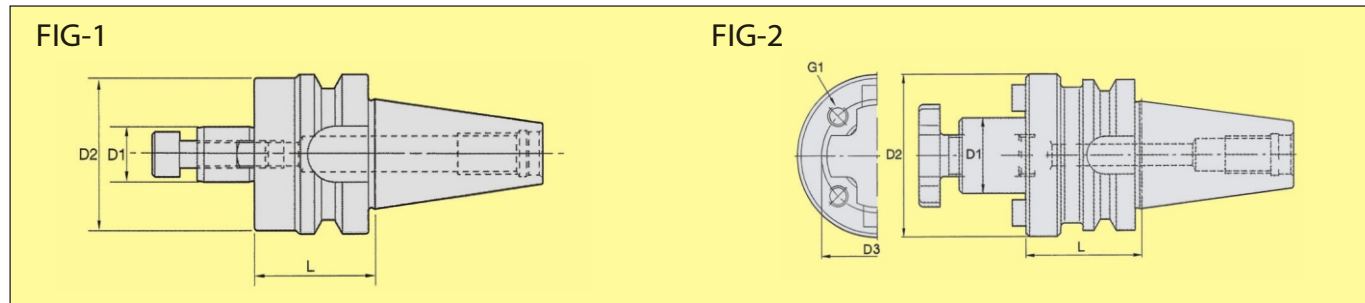
Shell Mill Adapters – Inch

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

BT40 Shank Tools

MAS 403, JIS B 6339

Shell Mill Adapters



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

Shell Mill Adapters – Metric

Catalogue No	FIG	D1	D2	D3	L	G1	WtKg	Lock Screw	Wench	Drive Key
BT40SM16050M	1	16	44		50		1.30	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
BT40SM27055M	2	27	50		55		1.50	BKLS27M	BSMW27M	BKDK27M
BT40SM27100M	2	27	50		100		2.90	BKLS27M	BSMW27M	BKDK27M
BT40SM32060M	2	32	78		60		2.20	BKLS32M	BSMW32M	BKDK32M
BT40SM32100M	2	32	78		100		3.10	BKLS32M	BSMW32M	BKDK32M
BT40SM40060M	2	40	89.3	66.7	60	M12-1.756H	3.60	BKLS40M	BSMW40M	BKDK40M
BT40SM40100M	2	40	89.3	66.7	100	M12-1.756H	4.00	BKLS40M	BSMW40M	BKDK40M

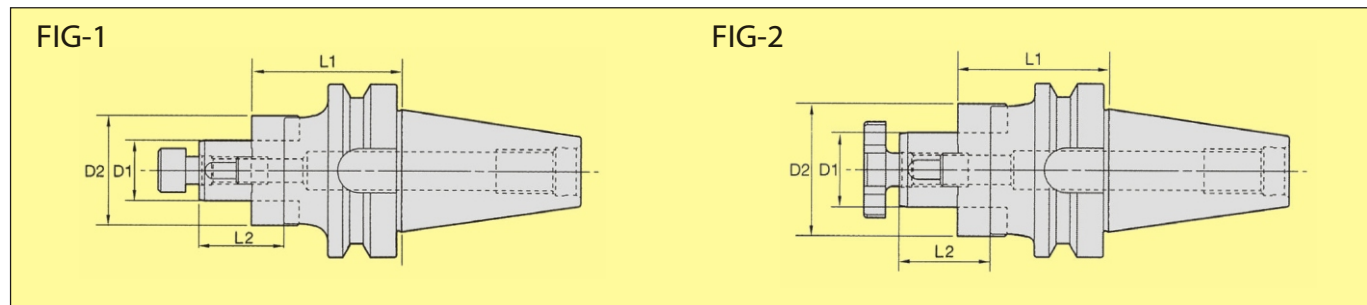
Shell Mill Adapters – Inch

Catalogue No	FIG	D1	D2	D3	L	G1	Wt.Lbs	LockScrew	Wrench	Drive Key
BT40SM050177	2	1/2	1.44		1.77		2.47	BKLS05	3/16	BKDK04
BT40SM050400	2	1/2	1.44		4.00		3.50	BKLS05	3/16	BKDK04
BT40SM075177	2	3/4	1.75		1.77		2.90	BKLS07	1/4	BKDK05
BT40SM075400	2	3/4	1.75		4.00		4.30	BKLS07	1/4	BKDK05
BT40SM075600	2	3/4	1.75		6.00		5.50	BKLS07	1/4	BKDK05
BT40SM100177	2	1.00	2.19		1.77		3.04	BKLS10	5/16	BKDK06
BT40SM100400	2	1.00	2.19		4.00		5.50	BKLS10	5/16	BKDK06
BT40SM100600	2	1.00	2.19		6.00		7.60	BKLS10	5/16	BKDK06
BT40SM125236	2	1.25	2.88		2.36		4.82	BKLS12	5/16	BKDK08
BT40SM125500	2	1.25	2.75		5.00		7.80	BKLS12	5/16	BKDK08
BT40SM150236	2	1.50	3.82		2.36		4.63	BKLS15	3/8	BKSA62PKG

BT40 Shank Tools

MAS 403, JIS B 6339

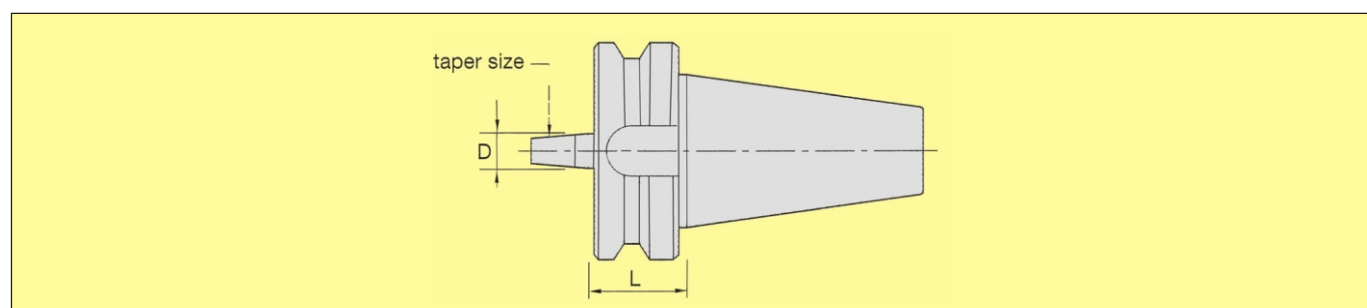
Combi Shell Mill Adapters – Metric



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

Catalogue No	FIG	D1	D2	L1	L2	Wt.Kg.	LockScrew	Wrench	DriveRing	Drive Key
BT40CS16055M	1	16	32	55	27	1.2	BMS1294	6 mm	BCDR16M	BCDK16M
BT40CS16100M	1	16	32	100	27	1.5	BMS1294	6 mm	BCDR16M	BCDK16M
BT40CS22055M	1	22	40	55	31	1.3	BMS1234	8 mm	BCDR22M	BCDK22M
BT40CS22150M	1	22	40	150	31	1.6	BMS1234	8 mm	BCDR22M	BCDK22M
BT40CS27055M	2	27	48	55	33	1.5	BKLS27MPKG	BSMW27M	BCDR27M	BCDK27M
BT40CS27150M	2	27	48	150	33	2.8	BKLS27MPKG	BSMW27M	BCDR27M	BCDK27M
BT40CS32060M	2	32	58	60	38	1.9	BKLS32MPKG	BSMW32M	BCDR32M	BCDK32M
BT40CS32150M	2	32	70	150	38	3.6	BKLS32MPKG	BSMW32M	BCDR32M	BCDK32M

Jacobs Taper Adapters



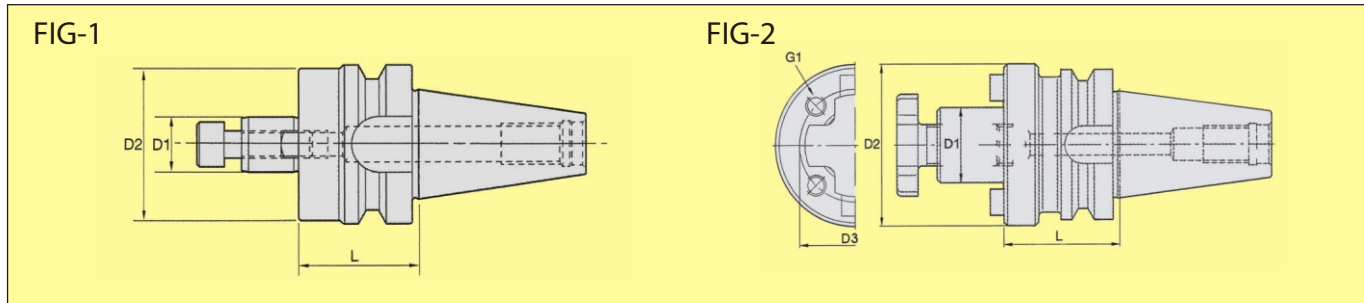
- Balance by-design
- Recommended for tools with a Jacobs internal taper.
- Order Example – BT40JT33045M
- No through-coolant capability.

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

BT50 Shank Tools

MAS 403, JIS B 6339

Shell Mill Adapters



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

Shell Mill Adapters – Metric

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
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
BT50SM40050M	2	40	89	66.7	50	M12-1.756H	4.50	BKLS40M	BSMW40M	BKDK40M
BT50SM40100M	2	40	89	66.7	100	M12-1.756H	6.70	BKLS40M	BSMW40M	BKDK40M
BT50SM40150M	2	40	89	66.7	150	M12-1.756H	9.40	BKLS40M	BSMW40M	BKDK40M
BT50SM60090M	2	60	129	101.6	90	M16-2.006H	8.50	BMS1242	14 mm	BKDK60M

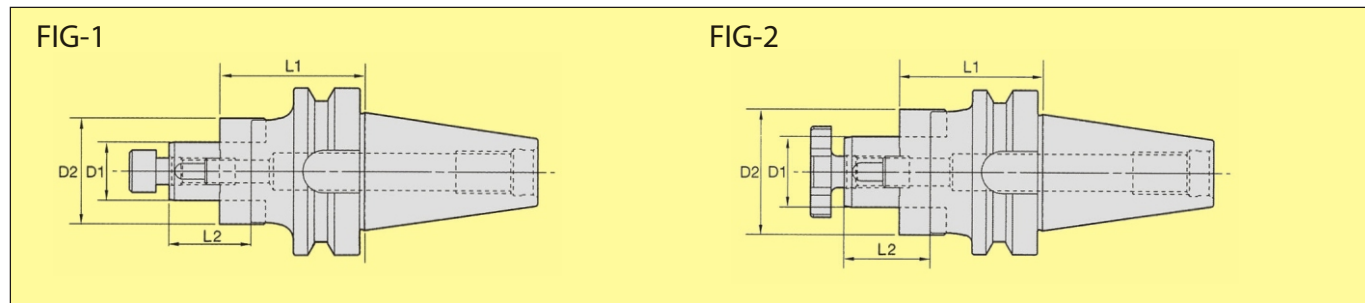
Shell Mill Adapters – Inch

Catalogue No	FIG	D1	D2	D3	L	G1	Wt.Lbs	Lock Screw	Wrench	Drive Key
BT50SM050177	1	1/2	1.44		1.77		7.94	BKLS05	3/16	BKDK04
BT50SM050400	1	1/2	1.44		4.00		8.92	BKLS05	3/16	BKDK04
BT50SM075177	1	3/4	1.75		1.77		8.08	BKLS07	1/4	BKDK05
BT50SM075400	1	3/4	1.75		4.00		9.56	BKLS07	1/4	BKDK05
BT50SM100177	1	1.00	2.19		1.77		8.30	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		8.54	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		9.40	BKLS15	3/8	BKDK10
BT50SM150400	1	1.50	3.81		4.00		16.60	BKLS15	3/8	BKDK10
BT50SM200236	1	2	4.13		2.36		14.07	BLKS20	9/16	KSA75PKG
BT50SM200400	2	2	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

BT50 Shank Tools

MAS 403, JIS B 6339

Combi Shell Mill Adapters

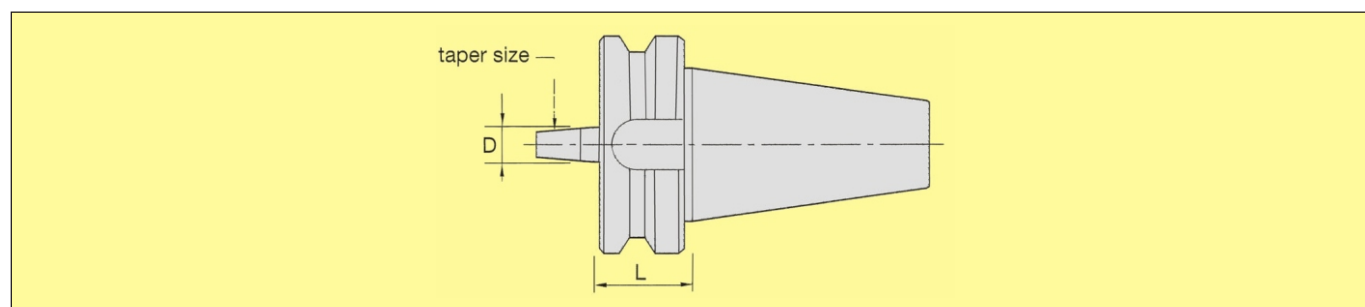


- Balanced by Design, Through tool holder coolant capability-form AD
- Order Example – BT50CS16070M

Combi Shell Mill Adapters – Metric

Catalogue No	FIG	D1	D2	L1	L2	Wt.Kg.	Lock Screw	Wrench	Drive Ring	Drive Key
BT50CS16070M	1	16	32	70	27	4.0	BMS1294	6 mm	BCDR16M	BCDK16M
BT50CS16150M	1	16	32	150	27	4.5	BMS1294	6 mm	BCDR16M	BCDK16M
BT50CS22070M	1	22	40	70	31	4.2	BMS1234	8 mm	BCDR22M	BCDK22M
BT50CS22150M	1	22	40	150	31	4.7	BMS1234	8 mm	BCDR22M	BCDK22M
BT50CS22200M	1	22	40	200	31	5.3	BMS1234	8 mm	BCDR22M	BCDK22M
BT50CS27070M	2	27	48	70	33	4.2	BKLS27M	BSMW27M	BCDR27M	BCDK27M
BT50CS27150M	2	27	48	150	33	5.0	BKLS27M	BSMW27M	BCDR27M	BCDK27M
BT50CS32070M	2	32	58	70	38	4.5	BKLS32M	BSMW32M	BCDR32M	BCDK32M
BT50CS32150M	2	32	58	150	38	5.8	BKLS32M	BSMW32M	BCDR32M	BCDK32M
BT50CS40070M	2	40	70	70	41	5.0	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT50CS40150M	2	40	70	150	41	7.3	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT50CS40200M	2	40	70	200	41	8.9	BKLS40M	BSMW40M	BCDR40M	BCDK40M
BT50CS50075M	2	50	90	75	46	7.9	BKLS50M	BSMW50M	BCDR50M	BCDK50M
BT50CS50150M	2	50	90	150	46	9.2	BKLS50M	BSMW50M	BCDR50M	BCDK50M

Jacobs Taper Adapters



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

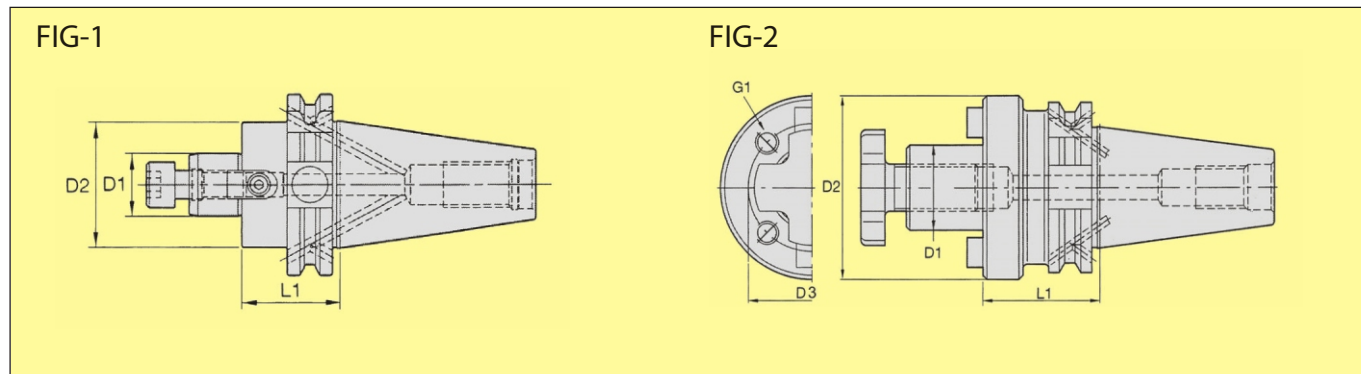
JT-BT Form-A

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

DV 40 Shank Tools

DIN 69871

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		1.00	BMS1294	6 mm	BKDK16M
DV40SM22035M	1	22	44.5		35		1.10	BMS1234	8 mm	BKDK22M
DV40SM22100M	1	22	50		100		1.40	BMS1234	8 mm	BKDK22M
DV40SM27035M	2	27	50		35		1.20	BKLS27M	BSMW27M	BKDK27M
DV40SM27100M	2	27	50		100		1.60	BKLS27M	BSMW27M	BKDK27M
DV40SM32050M	2	32	78		50		1.90	BKLS32M	BSMW32M	BKDK32M
DV40SM32100M	2	32	78		100		2.50	BKLS32M	BSMW32M	BKDK32M
DV40SM40050M	2	40	89	66.7	50	M12-1.756H	2.20	BKLS40M	BSMW40M	BKDK40M
DV40SM40100M	2	40	89	66.7	100	M12-1.756H	2.50	BKLS40M	BSMW40M	BKDK40M

Shell Mill Adapters – Metric Form B/AD

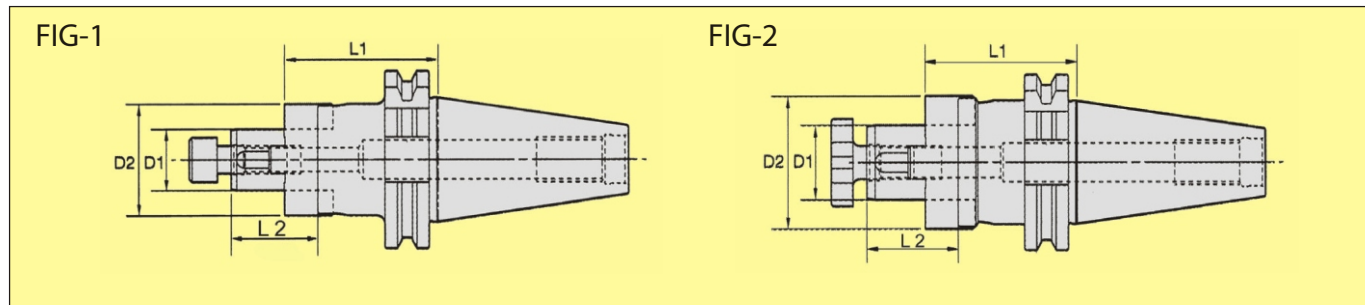
- Flange through coolant Form B/AD available on request
- Order Example – DV40BSM22035M

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
DV40BSM22100M	1	22	49		100		1.88	BMS1234	8 mm	BKDK22M
DV40BSM27035M	2	27	50		35		1.17	BKLS27M	BSMW27M	BKDK27M
DV40BSM27100M	2	27	60		100		2.52	BKLS27M	BSMW27M	BKDK27M
DV40BSM32050M	2	32	78		50		1.75	BKLS32M	BSMW32M	BKDK32M
DV40BSM32100M	2	32	78		100		2.72	BKLS32M	BSMW32M	BKDK32M
DV40BSM40050M	2	40	89	66.7	50	M12-1.756H	2.03	BKLS40M	BSMW40M	BKDK40M
DV40BSM40100M	2	40	89	66.7	100	M12-1.756H	3.28	BKLS40M	BSMW40M	BKDK40M

DV 40 Shank Tools

DIN 69871

Combi Shell Mill Adapters

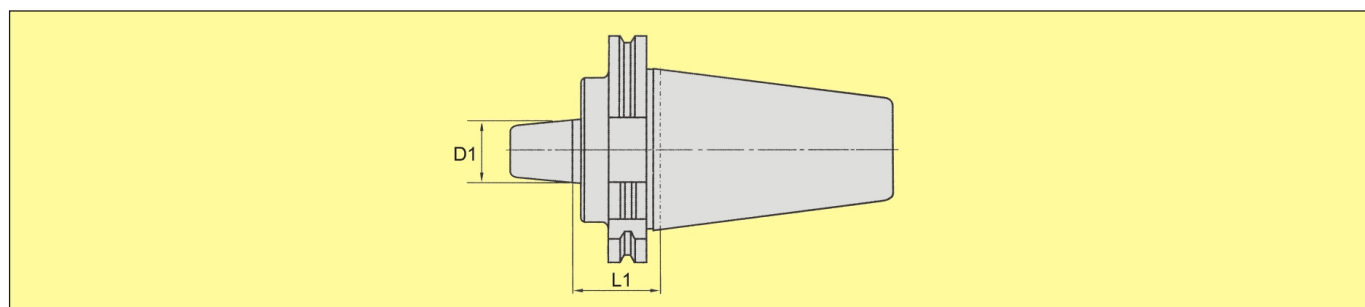


- Through the tool holder coolant capability
- Order Example – DV40CS16055M

Combi Shell Mill Adapters – Metric

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

Jacobs Taper Adapters



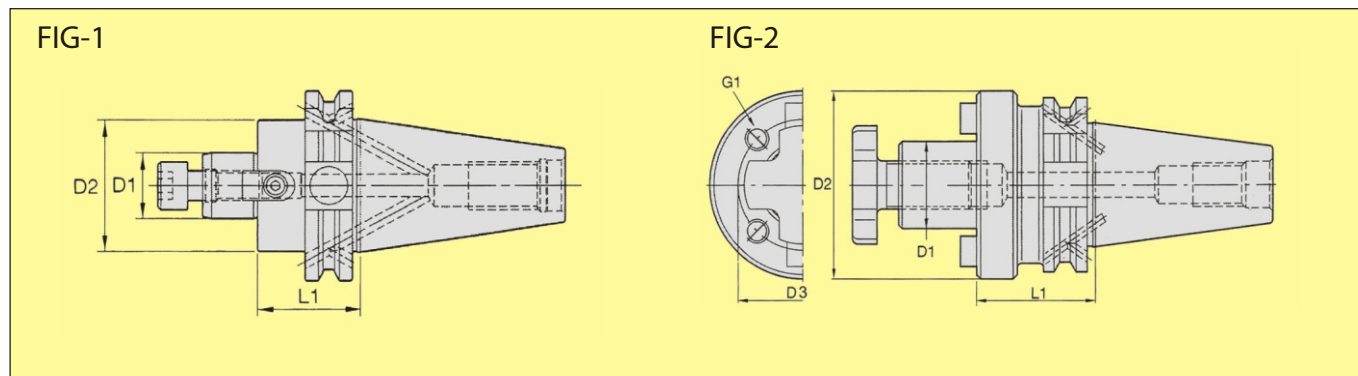
- Balance by-design, Recommended for tools with a Jacobs internal taper, No through-coolant capability.
- Order Example – DV40JT33045M

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

DV 50 Shank Tools

DIN 69871

Shell Mill Adapters – Metric



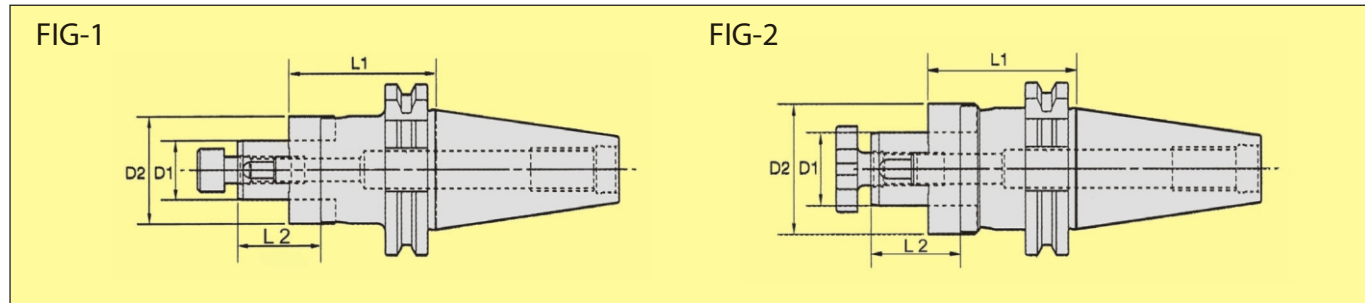
- Balanced by Design, Through the tool holder coolant capability
- Order Example – DV50SM16035M

Catalogue No	FIG	D1	D2	D3	L1	G1	Wt. Kg.	Lock Screw	Wrench	Drive Key
DV50SM16035M	1	16	44		35		2.70	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		3.20	BKLS32M	BSMW32M	BKDK32M
DV50SM32100M	2	32	78		100		5.20	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	7.10	BKLS40M	BSMW40M	BKDK40M
DV50SM60070M	2	60	129	102	70	M16-2.06H	6.24	MS1242		BKDK60M

DV 50 Shank Tools

DIN 69871

Combi Shell Mill Adapters

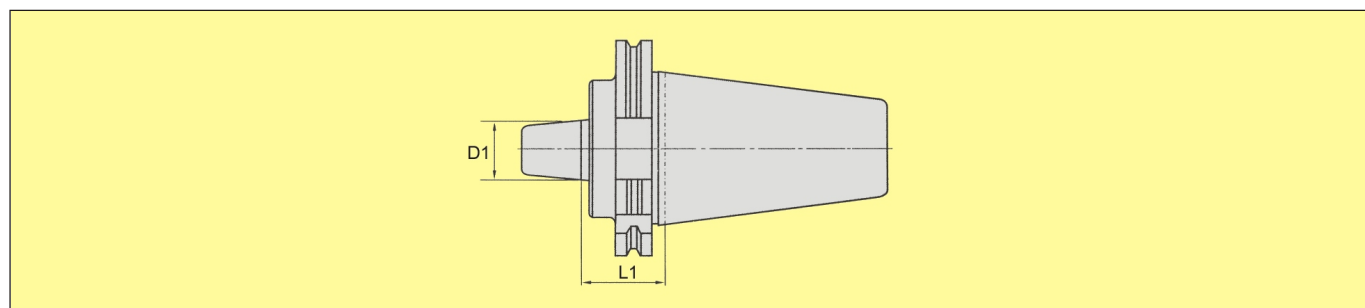


- Balanced by Design, Through the tool holder coolant capability
- Order Example – DV50CS16055M

Combi 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	5.30	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	6.60	BKLS40M	BSMW40M	BCDR40M	BCDK40M
DV50CS50075M	2	50	90	75	46	7.20	BKLS50M	BSMW50M	BCDR50M	BCDK50M
DV50CS50150M	2	50	90	150	46	8.50	BKLS50M	BSMW50M	BCDR50M	BCDK50M

Jacobs Taper Adapters



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

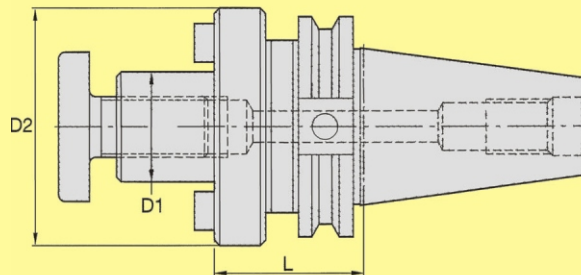
JT-DV Form-A

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

CV 40 Shank Tools

CAaterpillar (inch) CV ANSI B5.50 / ISO 7388

Shell Mill Adapters

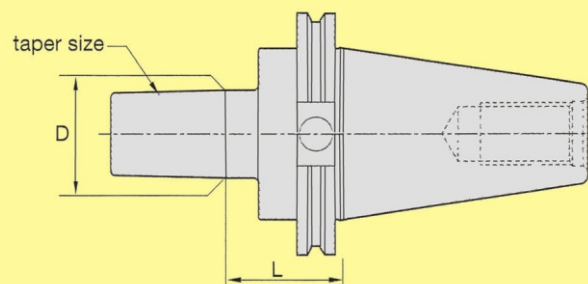


- Balanced by Design, Through the tool holder coolant capability
- Order Example – CV40SM050138

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

Jacobs Taper Adapters



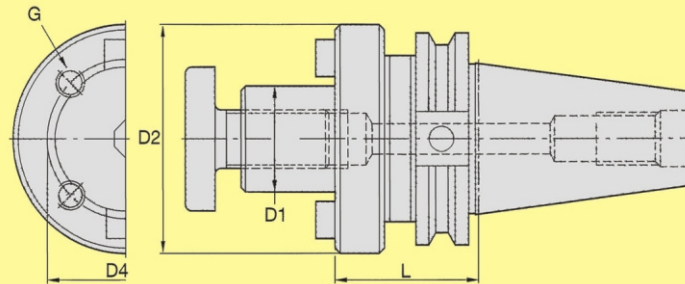
- Balance by-design, No through-coolant capability.
- Recommended for tools with a Jacobs internal taper.
- Order Example – CV40JT2244

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

CV 50 Shank Tools

Caterpillar (inch) CV ANSI B5.50 / ISO 7388

Shell Mill Adapters



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

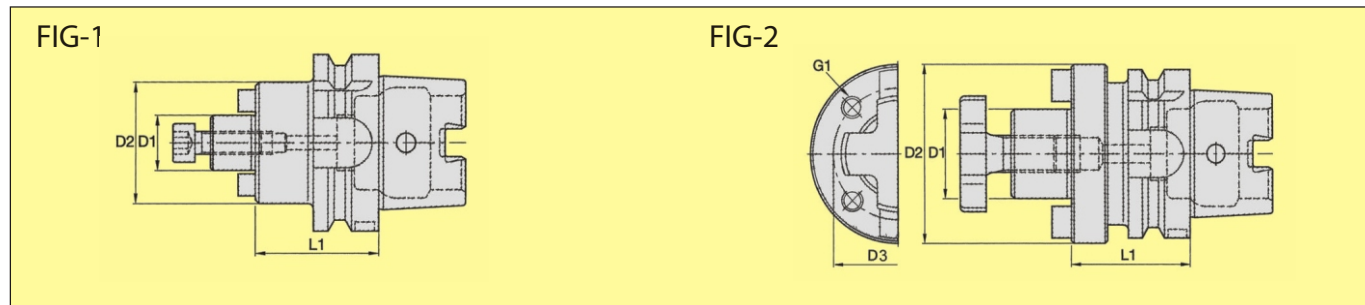
Shell Mill Adapters —Inch

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		10.0		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

HSK 50A Shank Tools

DIN 69893 part 1, form A

Shell Mill Adapters



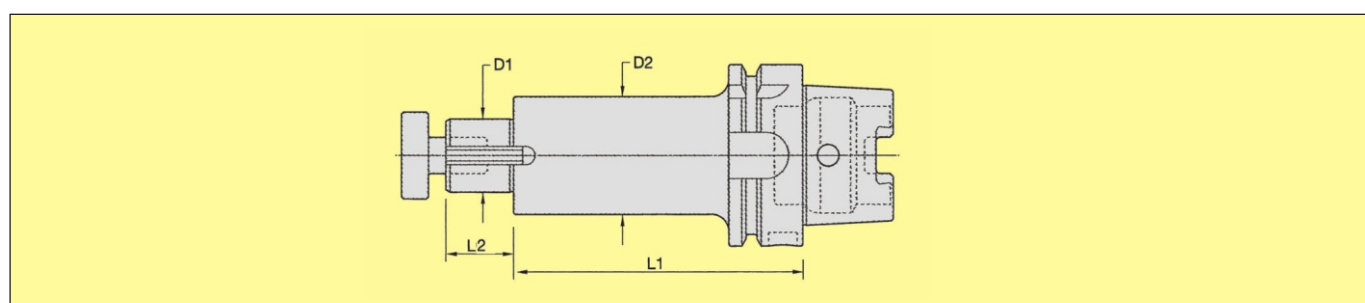
- Balanced by Design, Through the tool holder coolant capability
- Order Example – HSK50ASM16050M

Catalogue No	FIG	D1	D2	L1	Wt. Kg.	Lock Screw	Wrench	Drive Key
HSK50ASM16050M	1	16	44	50	0.8	BMS1294	6 mm	BKDK16M
HSK50ASM22060M	1	22	50	60	0.9	BMS1234	8 mm	BKDK22M
HSK50ASM27060M	2	27	60	60	1.10	BKLS27M	BSMW27M	BKDK27M

Shell Mill Adapters – Inch

Catalogue No	FIG	D1	D2	L1	Wt. Lbs	Lock Screw	Wrench	Drive Key
HSK50ASM050200	2	1/2	1.44	2.00	1.17	BKLS05	3/16	BKDK04
HSK50ASM075200	2	3/4	1.75	2.00	1.41	BKLS07	1/4	BKDK05
HSK50ASM100225	2	1.00	2.36	2.25	1.94	BKLS10	5/16	BKDK06

Slitting Cutter Adapters – Inch



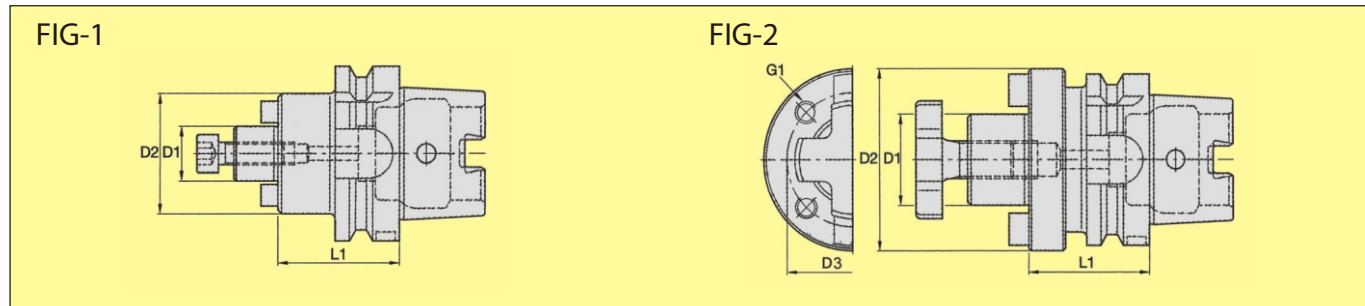
- Balanced by Design, Through the tool holder coolant capability
- Order Example – HSK50ASA062400

Catalogue No	D1	D2	L 1	L 2	Wt. Lbs	Lock Screw	Wrench	Drive Key
HSK50ASA062400	5/8	1.25	4.00	0.78	1.83	BKLS07	1/4	BSDK062088
HSK50ASA100400	1	1.61	4.00	0.95	2.69	BKLS10	5/16	BSDK100106

HSK 63A Shank Tools

DIN 69893 part 1, form A

Shell Mill Adapters



- Balanced by Design, Through the tool holder coolant capability
- Order Example – HSK63ASM16050M

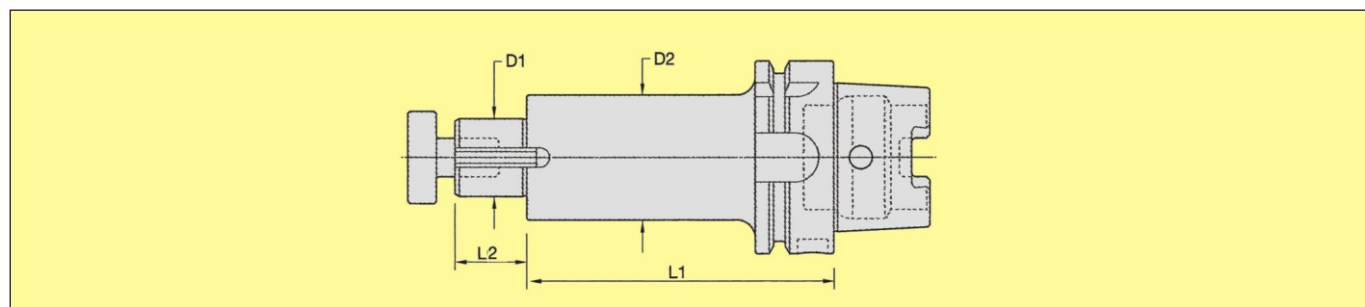
Shell Mill Adapters – Metric

Catalogue No	FIG	D1	D2	D3	L	G1	Wt. Kg.	Lock Screw	Wrench	Drive Key
HSK63ASM16050M	1	16	44		50		1.00	BMS1294	6 mm	BKDK16M
HSK63ASM22050M	1	22	50		50		1.10	BMS1234	8 mm	BKDK22M
HSK63ASM27060M	2	27	60		60		1.50	BKLS27M	BSMW27M	BKDK27M
HSK63ASM32060M	2	32	78		60		1.78	BKLS32M	BSMW32M	BKDK32M
HSK63ASM40060M	2	40	89	66.7	60	M12-1.75 6H	2.09	BKLS40M	BSMW40M	BKDK40M

Shell Mill Adapters – Inch

Catalogue No	FIG	D1	D2	D3	L	G1	Wt. Lbs	Lock Screw	Wrench	Drive Key
HSK63ASM050200	2	1/2	1.75	NA	2.00	NA	2.11	BKLS05	3/16	BKDK04
HSK63ASM075200	2	3/4	1.75	NA	2.00	NA	2.18	BKLS07	1/4	BKDK05
HSK63ASM100225	2	1.00	2.19	NA	2.25	NA	2.87	BKLS10	5/16	BKDK06
HSK63ASM125225	2	1 1/4	2.88	NA	2.25	NA	3.68	BKLS12	5/16	BKDK08
HSK63ASM150225	2	1 1/2	3.81	NA	2.25	NA	4.49	BKLS15	3/8	BKDK10

Slitting Cutter Adapters – Inch



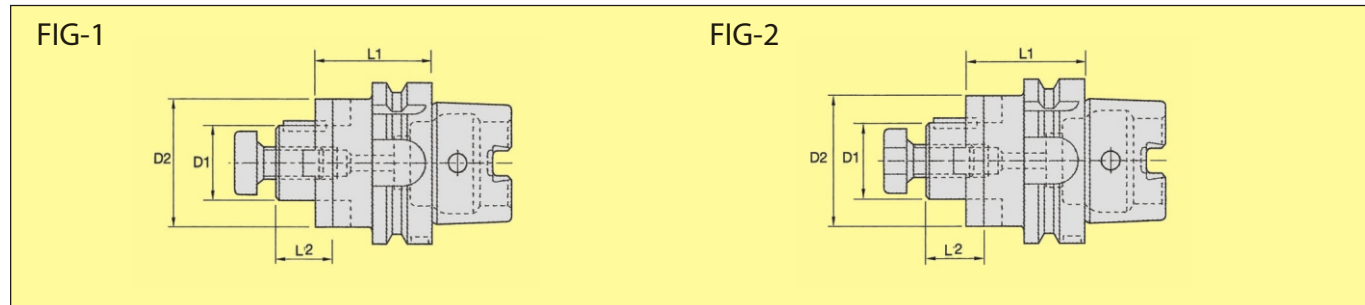
- Balanced by Design
- Order Example – HSK63ASA062400

Catalogue No	D1	D2	L 1	L 2	Wt. Lbs	Lock Screw	Wrench	Drive Key
HSK63ASA062400	5/8	1.25	4.00	0.78	2.22	BKLS07	1/4	BSDK062088
HSK63ASA100400	1	1.61	4.00	0.95	3.09	BKLS10	5/16	BSDK100106
HSK63ASA125400	1 1/4	1.86	4.00	1.09	3.97	BKLS12	5/16	BSDK125119

HSK 63A Shank Tools

DIN 69893 part 1, form A

Combi Shell Mill Adapters

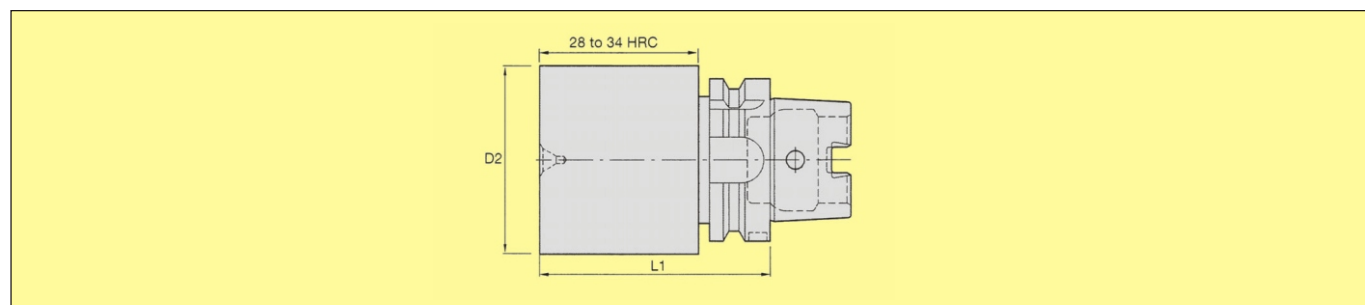


- Through the tool holder coolant capability,
- For milling cutters with transverse or longitudinal slot
- Order Example – HSK63ACS16060M

Combi Shell Mill Adapters – Metric

Catalogue No	FIG	D1	D2	L1	L2	Wt. Kg.	Lock Screw	Wrench	Drive Ring	Drive Key
HSK63ACS16060M	1	16	32	60	27	0.90	BMS1294	6mm	BCDR16M	BCDK16M
HSK63ACS22060M	1	22	40	60	31	1.00	BMS1234	8mm	BCDR22M	BCDK22M
HSK63ACS27060M	2	27	48	60	33	1.20	BKLS27MPKG	BSMW27M	BCDR27M	BCDK27M
HSK63ACS32060M	2	32	58	60	30	1.40	BKLS32MPKG	BSMW32M	BCDR32M	BCDK32M
HSK63ACS40070M	2	40	70	70	41	2.10	BKLS40MPKG	BSMW40M	BCDR40M	BCDK40M

Boring Bar Blank



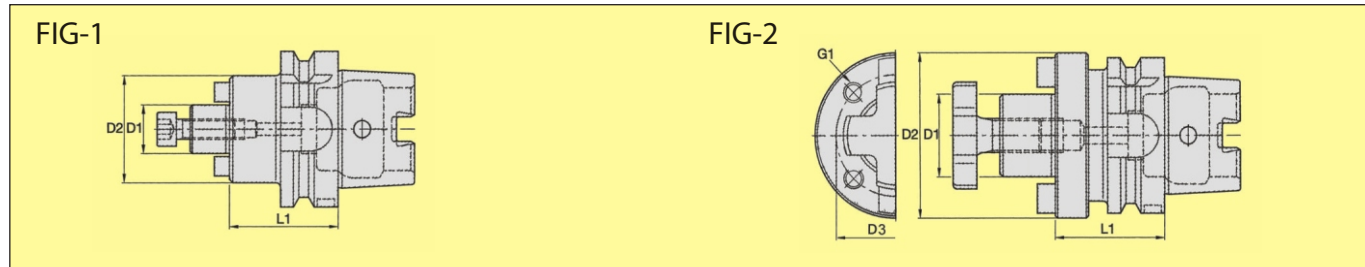
- Machinable front end 28-34 HRC
- Order Example – HSK63ABB080250M

Catalogue No	D2	L1	Wt.Kg
HSK63ABB080250M	80.80	250	9.09
HSK63ABB115150M	115.80	150	9.64

HSK100A Shank Tools

DIN 69893 part 1, form A.

Shell Mill Adapters



- Balanced by Design, Through the tool holder coolant capability
- Order Example – HSK100ASM22050M

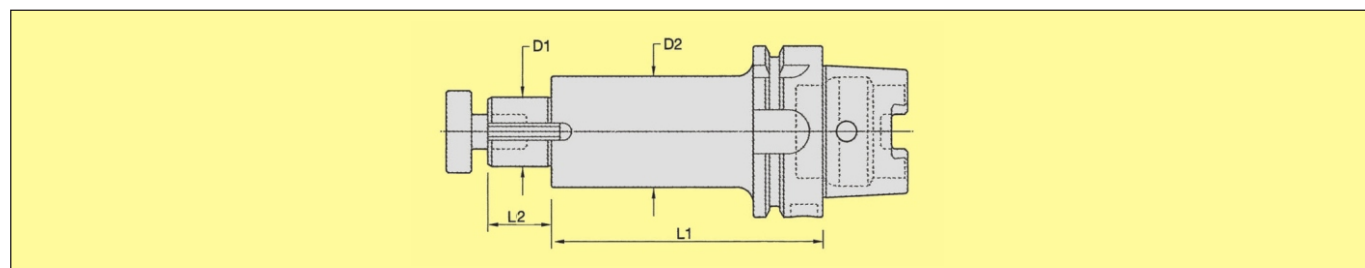
Shell Mill Adapters – Metric

Catalogue No	FIG	D1	D2	D3	L1	G1	Wt. Kg.	Lock Screw	Wrench	Drive Key
HSK100ASM22050M	1	22	50		50		2.38	BMS1234	8 mm	BKDK22M
HSK100ASM27050M	2	27	60		50		2.58	BKLS27MPKG	BSMW27M	BKDK27M
HSK100ASM32050M	2	32	78		50		2.98	BKLS32MPKG	BSMW32M	BKDK32M
HSK100ASM40060M	2	40	89	66.7	60	M12-1.75 6H	3.72	BKLS40MPKG	BSMW40M	BKDK40M
HSK100ASM50070M	2	50	98		70		4.81	BKLS50MPKG	BSMW50M	BKDK50M
HSK100ASM60070M	2	60	129	101.6	70	M16-2.0 6H	5.75			BKDK60M

Shell Mill Adapters – Inch

Catalogue No	FIG	D1	D2	D3	L1	G1	Wt. Lbs	Lock Screw	Wrench	Drive Key
HSK100ASM075225	2	¾	1.75		2.25		5.25	BKLS07	¼	BKDK05
HSK100ASM100225	2	1.00	2.19		2.25		5.81	BKLS10	5/16	BKDK06
HSK100ASM125250	2	1 1/4	2.88		2.50		7.34	BKLS12	5/16	BKDK08
HSK100ASM150250	2	1 1/2	3.81		2.50		9.00	BKLS15	3/8	BKDK10
HSK100ASM200250	2	2	4.88	4.00	2.50	5/8-11 UNC	10.87	BKLS20	9/16	BKDK12
HSK100ASM250250	2	2 ½	4.88	4.00	2.50	5/8-11 UNC	11.11	BKLS25	½	BKDK16

Slitting Cutter Adapters – Inch



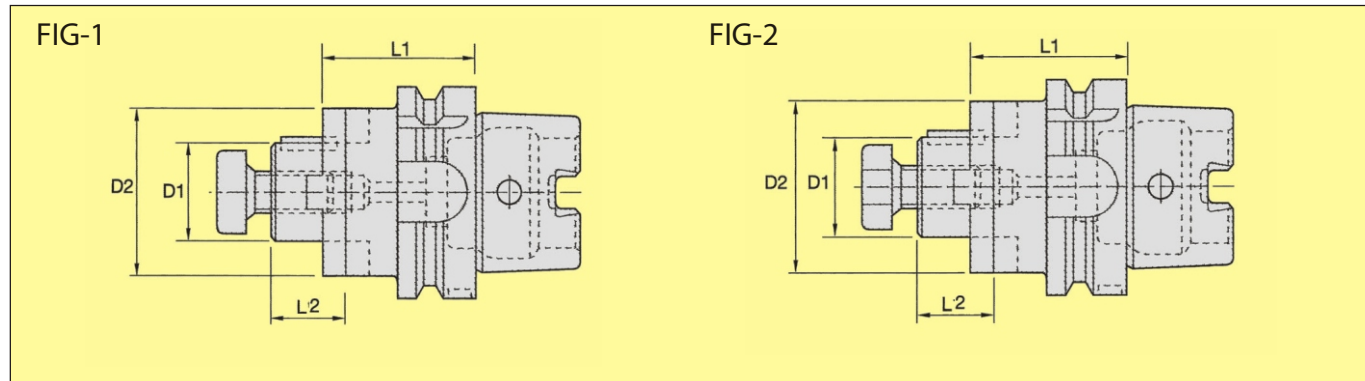
- Balanced by Design, No through coolant capability
- Order Example – HSK100ASA062400

Catalogue No	D1	D2	L1	L2	Wt. Lbs	Lock Screw	Wrench	Drive Key
HSK100ASA062400	5/8	1.25	4.00	0.78	5.46	BKLS07	¼	BSDK062088
HSK100ASA100400	1	1.61	4.00	0.94	6.23	BKLS10	5/16	BSDK100106
HSK100ASA125600	1 1/4	1.86	6.00	1.09	8.49	BKLS12	5/16	BSDK125119
HSK100ASA150600	1 ½	2.11	6.00	1.70	10.09	BKLS15	3/8	BSDK150175
HSK100ASA200600	2	2.75	6.00	1.70	14.19	BKLS20	9/16	BSDK200169

HSK100A Shank Tools

DIN 69893 part 1, form A.

Combi Shell Mill Adapters

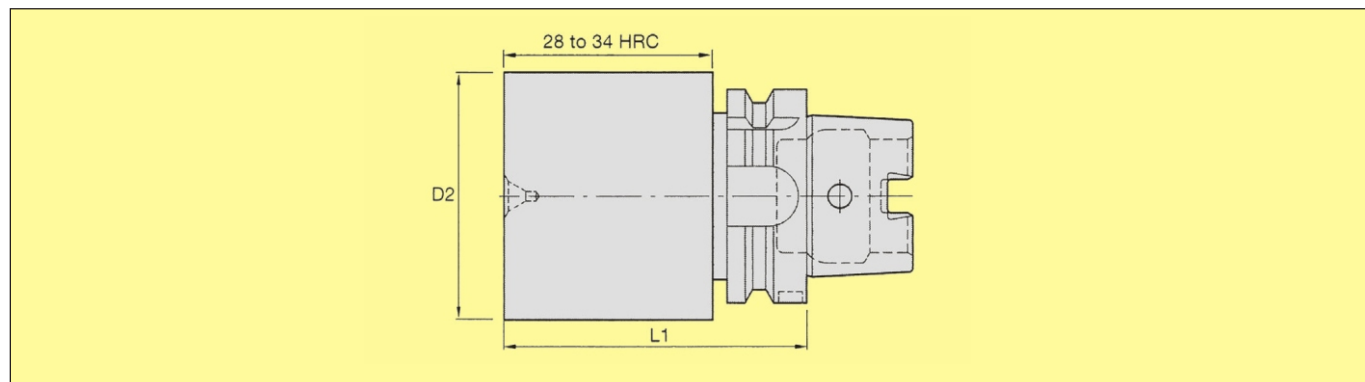


- Balanced by Design, For milling cutters with transverse or longitudinal slot
- Order Example – HSK100ACS16060M

Combi Shell Mill Adapters – Metric

Catalogue No	FIG	D1	D2	L1	L2	Wt. Kg.	Lock Screw	Wrench	Drive Ring	Drive Key
HSK63ACS16060M	1	16	32	60	27	2.22	BMS1294	6mm	BCDR16M	BCDK16M
HSK63ACS22060M	1	22	40	60	31	2.34	BMS1234	8mm	BCDR22M	BCDK22M
HSK63ACS27060M	2	27	48	60	33	2.52	BKLS27MPKG	BSMW27M	BCDR27M	BCDK27M
HSK63ACS32060M	2	32	58	60	38	2.82	BKLS32MPKG	BSMW32M	BCDR32M	BCDK32M
HSK63ACS40070M	2	40	70	70	41	3.55	BKLS40MPKG	BSMW40M	BCDR40M	BCDK40M
HSK63ACS50080M	2	50	90	80	46	5.04	BKL50MPKG	BSMW50M	BCDR50M	BCDK50M

Boring Bar Blank



- Machinable front end 28-34 HRC
- Order Example – HSK100ABB100300M

Catalogue No	D2	L1	Wt.Kg
HSK100ABB100300M	100.80	300	11.18
HSK100ABB200180M	200.80	180	34.36