



Integrated Type Keyless Drill Chucks



FOR DRILL ONLY , NOT FOR END MILL OR TAP



FOR SPECIFICATION PLEASE SEE P.C76

The main-shafts is of integrated type, which is much more superior than the traditional design. The major features are as follows:

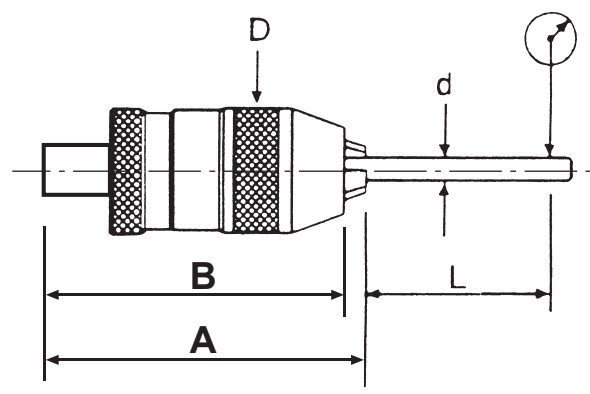
- Extremely rigid construction. Accuracy is same as page C66
- The accumulative tolerances can be reduced to a minimum, since the traditional mechanism requiring an ARBOR to connect the Drill Chucks which will generate the accumulative tolerances. The Integrated type Keyless Drill Chuck is designed to solve this problem totally.
- Prevent the Drill Chucks from falling out.
- Extremely safe in operation.
- 2500 R.P.M.



STANDARD ACCES.

ACCURACY

ITEM NO.	d mm	L mm	Max Tolerance mm	Torque kgf-cm
INT-8	3	25	0.05	160
	6			
	8	30		
INT-10	3	25	0.05	260
	6			
	10	30		
INT-13	5	30	0.05	400
	10			
	13	25		
INT-16	5	25	0.05	480
	10			
	16	30		





ORDER NO.	Clamping Capacity		Female Taper DIN or Jacobs	OUTER Ø / mm	Length		WEIGHT (kgs)	CODE NO.
	Ø mm	Ø inch			Open B mm	Closed A mm		
INT-8-MT-2	0.5-8	0-5/16"	MT-2	36	150	157	0.8	3301-030
INT-8-JC-20	0.5-8	0-5/16"	JC-20	36	134	141	0.8	3301-031
INT-8-BT30	0.5-8	1/64"-1/8"	BT30	36	78	85	1	3301-070
INT-8-BT40	0.5-8	1/64"-1/8"	BT40	36	77	86	1.5	3301-072
INT-8-NT30	0.5-8	1/64"-1/8"	NT30	36	67	75	0.8	3301-080
INT-8-NT40	0.5-8	1/64"-1/8"	NT40	36	66	74	1.3	3301-081
INT-8-SK40	0.5-8		SK-40	36	81	87	1.4	3301-083
INT-13-R8	1-13	1/64"-1/2"	R8	50	196	205	1.5	3301-032
INT-13-MT2	1-13	0-1/2"	MT-2	50	172	184	1.3	3301-082
INT-13-MT3	1-13	0-1/2"	MT-3	50	190	201	1.4	3301-033
INT-13-MT4	1-13	0-1/2"	MT-4	50	216	227	1.8	3301-034
INT-13-JC-20	1-13	0-1/2"	JC-20	50	153	164	1.4	3301-035
INT-13-JC-25	1-13	0-1/2"	JC-25	50	163	174	1.6	3301-036
INT-13-JC-32	1-13	0-1/2"	JC-32	50	173	185	1.8	3301-037
INT-13-NT30	1-13	0-1/2"	NT-30	50	86	99	1.4	3301-038
INT-13-NT40	1-13	0-1/2"	NT-40	50	85	96	1.8	3301-039
INT-13-BT30	1-13	1/64"-1/2"	BT30	50	96	108	1.4	3301-071
INT-13-BT40	1-13	0-1/2"	BT-40	50	100	111	2	3301-040
INT-13-BT50	1-13	0-1/2"	BT-50	50	106	117	4.7	3301-041
INT-13-NT50	1-13	0-1/2"	NT-50	50	100	112	4.3	3301-059
INT-13-SK30	1-13		SK-30	50	99	111	1.34	3301-084
INT-13-SK40	1-13		SK-40	50	100	113	1.9	3301-085
INT-13-SK50	1-13		SK-50	50	93	106	3.9	3301-087
INT-16-R8	3-16	1/8"-5/8"	R8	57	198	211	1.9	3301-042
INT-16-MT3	3-16	1/8"-5/8"	MT3	57	194	207	1.9	3301-043
INT-16-MT4	3-16	1/8"-5/8"	MT4	57	219	232	2	3301-044
INT-16-JC-20	3-16	1/8"-5/8"	JC-20	57	152	165	1.8	3301-045
INT-16-JC-25	3-16	1/8"-5/8"	JC-25	57	162	178	1.7	3301-046
INT-16-JC-32	3-16	1/8"-5/8"	JC-32	57	184	179	2.2	3301-047
INT-16-NT40	3-16	1/8"-5/8"	NT-40	57	113	126	2.6	3301-049
INT-16-BT40	3-16	1/8"-5/8"	BT-40	57	113	127	2.5	3301-050
INT-16-BT50	3-16	1/8"-5/8"	BT-50	57	111	124	5	3301-051
INT-16-NT50	3-16	1/8"-5/8"	NT-50	57	104	117	4.5	3301-056
INT-16-SK40	3-16	1/8"-5/8"	SK-40	57	127	141	2.4	3301-057
INT-16-SK50	3-16	1/8"-5/8"	SK-50	57	97	110	3.9	3301-058

KEYLESS DRILL CHUCK

ORDER NO.	SIZE DIN 69871A	Clamping range (Ømm)	D	L		WEIGHT (kg)	CODE NO.
				Minimum	Maximum		
INT-8-SK40	SK40-APU08	0.5-8	35.6	81	87	1.4	3301-001
INT-13-SK40	SK40-APU13	1-13	52	100	113	1.9	3301-002
INT-13-SK50	SK50-APU13	1-13	52	93	106	3.9	3301-004
INT-13-SK30	SK30-APU13	1-13	52	99	111	1.34	3301-006
INT-16-SK40	SK40-APU16	3-16	56.8	127	140	2.4	3301-007
INT-16-SK50	SK50-APU16	3-16	56.8	97	110	3.9	3301-008

ORDER NO.	Clamping Capacity		Taper	OUTER Ø / mm	WEIGHT (kgs)	CODE NO.
	mm	inch				
INT-8-CAT30	0.5-8	1/64"-1/8"	CAT30	Ø36	0.8	3301-073
INT-13-CAT30	0.5-13	1/64"-1/2"		Ø50	1	3301-074
INT-8-CAT40	0.5-8	1/64"-1/8"	CAT40	Ø36	1.32	3301-075
INT-13-CAT40	0.5-13	1/64"-1/2"		Ø50	2.1	3301-076
INT-16-CAT40	3-16	1/8"-5/8"	CAT50	Ø57	2.26	3301-077
INT-13-CAT50	0.5-13	1/64"-1/2"		Ø50	3.95	3301-078
INT-16-CAT50	3-16	1/8"-5/8"		Ø57	4.2	3301-079