

K640 Hammer piston Hitting energy chart

Model	PSI		BPM (分間打撃数)	V (m/s) (1時間当たりの 穿孔深度)	Stroke	M (kg) ピストンの 重量	Ek (J) 運動エネルギー	Ep (J) 位置エネルギー	Total Energy (Ek+Ep) (J)90%
	BAR	PSI							
K640 Hammer	7	100	860	3.44	150	520	3076.74	611.52	3319.43
	10.5	150	1020	4.59	150	520	5477.71	687.96	5549.1
	17.6	200	1110	5.55	150	520	8008.65	764.4	7895.75

SPECIFICATION

HAMMER SIZE		14"						15"	16"			
HAMMER MODEL		K320	K320R	K320KR	K320N	K320NR	K320NS	K350	K370	K370S	K370R	K370KR
Bit Shank	KukJe	K320	K320R	K320				K350	K370		K370	K370
	Ingersoll-Rand											
	Sandvik									SD-15		
	Numa				N120	N120S	N120S					
	Halco											
Recommended Hole DIA.	In.(mm)	14' ~ 20'(355~508)				18' ~ 24'(460~610)		17 1/2'~22'(445~560)	17 1/2' ~ 24'(445~610)			
Hammer DIA.	mm	320	325			370×325	325	355	376			
Cylinder Bore	mm	240						260	280			
Piston Stroke	mm	115						125	125			
Piston Weight	kg	155	151	155				180	202	220	205	202
Length(Less bit)	mm	1820	1765	1820		2056	1986	1885	1895	1904	2000	1895
Weight(Less bit)	kg	905	1037	932		1008	1023	1100	1248	1250	1380	1235
Connection Type		API 7 5/8 Reg. Pin	HEX' JOINT	API 7 5/8 Reg. Pin		API 6 5/8 Reg. Pin		API 7 5/8 Reg. Pin	API 8 5/8 Reg. Pin		HEX' JOINT	API 8 5/8 Reg. Pin
Air Flow Needed SCFM(m ³ /min)	100PSI (7.0kg/cm ²)	-	-	-	-	-	-	-	1280(36.2)			
	150PSI (10.5kg/cm ²)	1150(32.6)	1150(32.6)	1150(32.6)	1150(32.6)	1150(32.6)	1150(32.6)	1650(46.7)	1890(53.5)			
	200PSI (14.0kg/cm ²)	1650(46.7)	1650(46.7)	1650(46.7)	1650(46.7)	1650(46.7)	1650(46.7)	2090(59.2)	2730(77.3)			
	250PSI (17.6kg/cm ²)	2110(59.8)	2110(59.8)	2110(59.8)	2110(59.8)	2110(59.8)	2110(59.8)	2680(75.9)				
	300PSI (21.0kg/cm ²)	-	-	-	-	-	-	-				

HAMMER SIZE		18"				24"			28"	32"	40"
HAMMER MODEL		K410N	K410S	K410SR	K520K	K520N	K520NR	K520NS	K640	K700	K900
Bit Shank	KukJe				K520			K520S	K640	K700	K900
	Ingersoll-Rand										
	Sandvik		SD18	SD18							
	Numa	N180				N240	N240				
	Halco										
Recommended Hole DIA.	In.(mm)	18 1/8'~25 5/8'(460~650)			24'~33 1/2'(610~850)			30'~39 3/8'(760~1000)	28'~38'(700~960)	32'~46'(810~1170)	40'~59'(1010~1500)
Hammer DIA.	mm	410		435×410	520		535×520	670×520	640	700	900
Cylinder Bore	mm	310				380			470	520	650
Piston Stroke	mm	150				150			150	150	150
Piston Weight	kg	275	263		376				520	720	1300
Length(Less bit)	mm	1993	2040	2090	1971	1975	2025	2321	2200	2025	2200
Weight(Less bit)	kg	1574	1560	2071	2440	2388	2451	3016	3800	4610	6950
Connection Type		API 8 5/8 Reg. Pin & Box			API 8 5/8 Reg. Pin				API 8 5/8 Reg. Pin	HEX' JOINT	HEX' JOINT
Air Flow Needed SCFM(m ³ /min)	100PSI (7.0kg/cm ²)	1430(40.5)			1760(49.8)				2300(65)	3100(87.8)	3640(103)
	150PSI (10.5kg/cm ²)	2120(60.0)			2540(71.9)				3400(96.2)	4500(127.4)	5330(151)
	200PSI (14.0kg/cm ²)	3000(85)			3580(101.4)				4800(135.8)	6300(178.4)	7490(212)
	250PSI (17.6kg/cm ²)	-			-				-	-	-
	300PSI (21.0kg/cm ²)	-			-				-	-	-

* The hammers over 32 inch will be customised.

* The specification in above can be modified without an advance notice.