

JHB Series

- JHB Series 확관틀은 확관범위가 긴 경우 사용됩니다.
- JHB Series use for long expanding range.



Roller Length	Adjustable Range	
	Min.	Max.
38.1mm	38.1mm	152.4mm
57.1mm	57.1mm	171.4mm

Tube O.D.		Tube Thickness			Tube I.D.		Min. Expansion		Max. Expansion		Tool No.	Roller No. Roll Length (38.1mm)	Tool No.	Roller No. Roll Length (57.1mm)	Mandrel No.	Mandrel square	
mm	inch	bwg	mm	inch	mm	inch	mm	inch	mm	inch						mm	inch
12.70	1/2"	14	2.11	0.083	8.48	0.334	8.23	0.324	9.50	0.374	JHB-100	797	-	-	1197	9.5	3/8
		15	1.83	0.072	9.04	0.356	8.84	0.348	10.11	0.398	JHB-100S	R-1	-	-	1199	9.5	3/8
		16	1.65	0.065	9.40	0.370	9.14	0.360	10.41	0.410	JHB-101	R-1	-	-	M-51	9.5	3/8
		17	1.47	0.058	9.75	0.384	9.50	0.374	10.77	0.424	JHB-102	R-2	-	-	M-51	9.5	3/8
		18	1.24	0.049	10.21	0.402	9.96	0.392	11.35	0.447	JHB-103	R-3	-	-	M-52	9.5	3/8
		20	0.89	0.035	10.92	0.430	10.31	0.406	11.71	0.461	JHB-104	R-3	-	-	M-53	9.5	3/8
15.88	5/8"	12	2.77	0.109	10.34	0.407	9.96	0.392	11.35	0.447	JHB-103	R-3	-	-	M-52	9.5	3/8
		13	2.41	0.095	11.05	0.435	10.80	0.425	12.19	0.480	JHB-105	R-4	-	-	M-53	9.5	3/8
		14	2.11	0.083	11.66	0.459	11.40	0.449	12.93	0.509	JHB-107	R-4	JHB-207	R-4-A	M-54	9.5	3/8
		15	1.83	0.072	12.22	0.481	11.96	0.471	13.61	0.536	JHB-108	R-5	JHB-208	R-5-A	M-55	9.5	3/8
		16	1.65	0.065	12.57	0.495	12.32	0.485	13.97	0.550	JHB-109	R-6	JHB-209	R-6-A	M-55	9.5	3/8
		17	1.47	0.058	12.93	0.509	12.67	0.499	14.33	0.564	JHB-110	R-6	JHB-210	R-6-A	M-56	9.5	3/8
		18	1.24	0.049	13.39	0.527	13.13	0.517	14.53	0.572	JHB-110S	R-7	JHB-210S	R-7-A	M-57	9.5	3/8
		19	1.07	0.042	13.74	0.541	13.26	0.522	14.78	0.582	JHB-111	R-7	JHB-211	R-7-A	M-56	9.5	3/8
		20	0.89	0.035	14.1	0.555	13.61	0.536	15.14	0.596	JHB-112	R-7	JHB-212	R-7-A	M-58	9.5	3/8
		21	0.81	0.032	14.25	0.561	13.61	0.536	15.14	0.596	JHB-112	R-7	JHB-212	R-7-A	M-58	9.5	3/8
		22	0.71	0.028	14.45	0.569	13.61	0.536	15.14	0.596	JHB-112	R-7	JHB-212	R-7-A	M-58	9.5	3/8
19.05	3/4"	10	3.40	0.134	12.24	0.482	11.96	0.471	13.61	0.536	JHB-108	R-5	JHB-208	R-5-A	M-55	9.5	3/8
		11	3.05	0.120	12.95	0.510	12.67	0.499	14.33	0.564	JHB-110	R-6	JHB-210	R-6-A	M-56	9.5	3/8
		12	2.77	0.109	13.51	0.532	13.26	0.522	14.78	0.582	JHB-111	R-7	JHB-211	R-7-A	M-56	9.5	3/8
		13	2.41	0.095	14.22	0.560	13.97	0.550	15.62	0.615	JHB-113	R-8	JHB-213	R-8-A	M-58	9.5	3/8
		14	2.11	0.083	14.83	0.584	14.58	0.574	16.23	0.639	JHB-115	R-9	JHB-215	R-9-A	M-58	9.5	3/8
		15	1.83	0.072	15.39	0.606	15.14	0.596	16.79	0.661	JHB-116	R-10	JHB-216	R-10-A	M-58	9.5	3/8
		16	1.65	0.065	15.75	0.620	15.37	0.605	17.40	0.685	JHB-117	R-10	JHB-217	R-10-A	M-59	9.5	3/8
		17	1.47	0.058	16.10	0.634	15.72	0.619	17.75	0.699	JHB-118	R-11	JHB-218	R-11-A	M-59	9.5	3/8
		18	1.24	0.049	16.56	0.652	15.72	0.619	17.75	0.699	JHB-118	R-11	JHB-218	R-11-A	M-59	9.5	3/8
		19	1.07	0.042	16.92	0.666	16.31	0.642	18.34	0.722	JHB-119	R-12	JHB-219	R-12-A	M-59	9.5	3/8
		20	0.89	0.035	17.27	0.680	16.31	0.642	18.34	0.722	JHB-119	R-12	JHB-219	R-12-A	M-59	9.5	3/8
22.22	7/8"	10	3.40	0.134	15.42	0.607	15.14	0.596	16.79	0.661	JHB-116	R-10	JHB-216	R-10-A	M-58	9.5	3/8
		11	3.05	0.120	16.13	0.635	15.72	0.619	17.75	0.699	JHB-118	R-11	JHB-218	R-11-A	M-59	9.5	3/8
		12	2.77	0.109	16.69	0.657	16.31	0.642	18.34	0.722	JHB-119	R-12	JHB-219	R-12-A	M-59	9.5	3/8
		13	2.41	0.095	17.40	0.685	17.02	0.670	19.05	0.750	JHB-121	R-13	JHB-221	R-13-A	M-60	9.5	3/8
		14	2.11	0.083	18.01	0.709	17.40	0.685	19.66	0.774	JHB-123	R-14	JHB-223	R-14-A	M-61	9.5	3/8
		15	1.83	0.072	18.57	0.731	18.08	0.712	20.35	0.801	JHB-124	R-15	JHB-224	R-15-A	M-61	9.5	3/8
		16	1.65	0.065	18.92	0.745	18.44	0.726	20.70	0.815	JHB-124S	R-15	JHB-224S	R-15-A	M-62	9.5	3/8
		17	1.47	0.058	19.28	0.759	18.80	0.740	21.06	0.829	JHB-125	R-16	JHB-225	R-16-A	M-62	9.5	3/8
		18	1.24	0.049	19.74	0.777	18.80	0.740	21.06	0.829	JHB-125	R-16	JHB-225	R-16-A	M-62	9.5	3/8
25.40	1"	8	4.19	0.165	17.02	0.670	16.64	0.655	18.67	0.735	JHB-120	R-13	JHB-220	R-13-A	M-59	9.5	3/8
		9	3.76	0.148	17.88	0.704	17.40	0.685	19.66	0.774	JHB-123	R-14	JHB-223	R-14-A	M-61	9.5	3/8
		10	3.40	0.134	18.59	0.732	18.08	0.712	20.35	0.801	JHB-124	R-15	JHB-224	R-15-A	M-61	9.5	3/8
		11	3.05	0.120	19.30	0.760	18.80	0.740	21.06	0.829	JHB-125	R-16	JHB-225	R-16-A	M-62	9.5	3/8
		12	2.77	0.109	19.86	0.782	19.38	0.763	21.64	0.852	JHB-127	R-17	JHB-227	R-17-A	M-62	9.5	3/8
		13	2.41	0.095	20.57	0.810	20.09	0.791	22.35	0.880	JHB-129	R-18	JHB-229	R-18-A	M-62	9.5	3/8
		14	2.11	0.083	21.18	0.834	20.57	0.810	23.09	0.909	JHB-130	R-18	JHB-230	R-18-A	M-63	9.5	3/8
		15	1.83	0.072	21.74	0.856	21.26	0.837	23.77	0.936	JHB-131	R-19	JHB-231	R-19-A	M-63	9.5	3/8
		16	1.65	0.065	22.10	0.870	21.26	0.837	23.77	0.936	JHB-131	R-19	JHB-231	R-19-A	M-63	9.5	3/8
		17	1.47	0.058	22.45	0.884	21.97	0.865	24.49	0.964	JHB-132	R-21	JHB-232	R-21-A	M-63	9.5	3/8
		18	1.24	0.049	22.91	0.902	21.97	0.865	24.49	0.964	JHB-132	R-21	JHB-232	R-21-A	M-63	9.5	3/8
19	1.07	0.042	23.27	0.916	21.97	0.865	24.49	0.964	JHB-132	R-21	JHB-232	R-21-A	M-63	9.5	3/8		
20	0.89	0.035	23.62	0.930	21.97	0.865	24.49	0.964	JHB-132	R-21	JHB-232	R-21-A	M-63	9.5	3/8		

JHB Series

Tube O.D.		Tube Thickness			Tube I.D.		Min. Expansion		Max. Expansion		Tool No.	Roller No. Roll Length (38.1mm)	Tool No.	Roller No. Roll Length (57.15mm)	Mandrel No.	Mandrel square	
mm	inch	bwg	mm	inch	mm	inch	mm	inch	mm	inch						mm	inch
28.58	1.1/8"	8	4.19	0.165	20.19	0.795	19.71	0.776	22.23	0.875	JHB-129S	R-20	JHB-229S	R-20-A	M-63	9.5	3/8
		9	3.76	0.148	21.06	0.829	20.57	0.810	23.09	0.909	JHB-130	R-18	JHB-230	R-18-A	M-63	9.5	3/8
		10	3.40	0.134	21.77	0.857	21.26	0.837	23.77	0.936	JHB-131	R-19	JHB-231	R-19-A	M-63	9.5	3/8
		11	3.05	0.120	22.48	0.885	21.97	0.865	24.49	0.964	JHB-132	R-21	JHB-232	R-21-A	M-63	9.5	3/8
		12	2.77	0.109	23.04	0.907	22.43	0.883	24.94	0.982	JHB-134	R-21	JHB-234	R-21-A	M-64	9.5	3/8
		13	2.41	0.095	23.75	0.935	23.27	0.916	25.78	1.015	JHB-136	R-22	JHB-236	R-22-A	M-64	9.5	3/8
		14	2.11	0.083	24.36	0.959	23.75	0.935	26.52	1.044	JHB-138	R-23	JHB-238	R-23-A	M-65	9.5	3/8
		15	1.83	0.072	24.92	0.981	24.43	0.962	27.20	1.071	JHB-140	R-24	JHB-240	R-24-A	M-65	9.5	3/8
		16	1.65	0.065	25.27	0.995	24.43	0.962	27.20	1.071	JHB-140	R-24	JHB-240	R-24-A	M-65	9.5	3/8
		17	1.47	0.058	25.63	1.009	25.15	0.990	27.91	1.099	JHB-142	R-26	JHB-242	R-26-A	M-66	9.5	3/8
18	1.24	0.049	26.09	1.027	25.15	0.990	27.91	1.099	JHB-142	R-26	JHB-242	R-26-A	M-66	9.5	3/8		
31.75	1.1/4"	8	4.19	0.165	23.37	0.920	22.89	0.901	25.65	1.010	JHB-135	R-25	JHB-235	R-25-A	M-65	12.7	1/2
		9	3.76	0.148	24.23	0.954	23.75	0.935	26.52	1.044	JHB-138	R-23	JHB-238	R-23-A	M-65	12.7	1/2
		10	3.40	0.134	24.94	0.982	24.43	0.962	27.20	1.071	JHB-140	R-24	JHB-240	R-24-A	M-65	12.7	1/2
		11	3.05	0.120	25.65	1.010	25.15	0.990	27.91	1.099	JHB-142	R-26	JHB-242	R-26-A	M-66	12.7	1/2
		12	2.77	0.109	26.21	1.032	25.73	1.013	28.50	1.122	JHB-143	R-27	JHB-243	R-27-A	M-66	12.7	1/2
		13	2.41	0.095	26.92	1.060	26.44	1.041	29.21	1.150	JHB-144	R-28	JHB-244	R-28-A	M-67	12.7	1/2
		14	2.11	0.083	27.53	1.084	26.92	1.060	29.69	1.169	JHB-146	R-29	JHB-246	R-29-A	M-67	12.7	1/2
		15	1.83	0.072	28.09	1.106	27.61	1.087	30.38	1.196	JHB-148	R-30	JHB-248	R-30-A	M-67	12.7	1/2
		16	1.65	0.065	28.45	1.120	27.61	1.087	30.38	1.196	JHB-148	R-30	JHB-248	R-30-A	M-67	12.7	1/2
		17	1.47	0.058	28.80	1.134	28.32	1.115	31.09	1.224	JHB-150	R-30	JHB-250	R-30-A	M-68	12.7	1/2
18	1.24	0.049	29.26	1.152	28.32	1.115	31.09	1.224	JHB-150	R-30	JHB-250	R-30-A	M-68	12.7	1/2		
34.92	1.3/8"	8	4.19	0.165	26.54	1.045	26.06	1.026	28.83	1.135	JHB-143S	R-31	JHB-243S	R-31-A	M-67	12.7	1/2
		9	3.76	0.148	27.41	1.079	26.92	1.060	29.69	1.169	JHB-146	R-29	JHB-246	R-29-A	M-67	12.7	1/2
		10	3.40	0.134	28.12	1.107	27.61	1.087	30.38	1.196	JHB-148	R-30	JHB-248	R-30-A	M-67	12.7	1/2
		11	3.05	0.120	28.83	1.135	28.32	1.115	31.09	1.224	JHB-150	R-30	JHB-250	R-30-A	M-68	12.7	1/2
		12	2.77	0.109	29.39	1.157	28.78	1.133	31.55	1.242	JHB-151	R-32	JHB-251	R-32-A	M-68	12.7	1/2
		13	2.41	0.095	30.10	1.185	29.46	1.160	32.39	1.275	JHB-152	R-33	JHB-252	R-33-A	M-69	12.7	1/2
		14	2.11	0.083	30.71	1.209	29.95	1.179	32.87	1.294	JHB-154	R-24	JHB-254	R-24-A	M-70	12.7	1/2
		15	1.83	0.072	31.27	1.231	30.63	1.206	33.55	1.321	JHB-155	R-35	JHB-255	R-35-A	M-70	12.7	1/2
16	1.65	0.065	31.62	1.245	30.63	1.206	33.55	1.321	JHB-155	R-35	JHB-255	R-35-A	M-70	12.7	1/2		
38.10	1.1/2"	8	4.19	0.165	29.72	1.170	29.08	1.145	32.00	1.260	JHB-151S	R-34	JHB-251S	R-34-A	M-69	12.7	1/2
		9	3.76	0.148	30.58	1.204	29.90	1.145	32.87	1.294	JHB-154	R-34	JHB-254	R-34-A	M-70	12.7	1/2
		10	3.40	0.134	31.29	1.232	30.63	1.206	33.55	1.321	JHB-155	R-35	JHB-255	R-35-A	M-70	12.7	1/2
		11	3.05	0.120	32.00	1.260	31.37	1.235	34.29	1.350	JHB-156	R-36	JHB-256	R-36-A	M-70	12.7	1/2
		12	2.77	0.109	32.56	1.282	31.93	1.257	34.85	1.372	JHB-158	R-37	JHB-258	R-37-A	M-70	12.7	1/2
		13	2.41	0.095	33.27	1.310	32.64	1.285	35.56	1.400	JHB-160	R-37	JHB-260	R-37-A	M-71	12.7	1/2
		14	2.11	0.083	33.88	1.331	32.64	1.285	35.56	1.400	JHB-160	R-37	JHB-260	R-37-A	M-71	12.7	1/2
		15	1.83	0.072	34.44	1.356	33.81	1.331	36.73	1.446	JHB-161	R-38	JHB-261	R-38-A	M-71	12.7	1/2
		16	1.65	0.065	34.80	1.370	33.81	1.331	36.73	1.446	JHB-161	R-38	JHB-261	R-38-A	M-71	12.7	1/2
		17	1.47	0.058	35.15	1.384	33.81	1.331	37.39	1.472	JHB-162	R-38	JHB-262	R-38-A	M-72	12.7	1/2
		18	1.24	0.049	35.61	1.402	33.81	1.331	37.39	1.472	JHB-162	R-38	JHB-262	R-38-A	M-72	12.7	1/2
		19	1.07	0.042	35.97	1.416	33.81	1.331	37.39	1.472	JHB-162	R-38	JHB-262	R-38-A	M-72	12.7	1/2
20	0.89	0.035	36.32	1.430	33.81	1.331	37.39	1.472	JHB-162	R-38	JHB-262	R-38-A	M-72	12.7	1/2		
44.45	1-3/4"	8	4.19	0.165	36.07	1.420	34.75	1.368	39.37	1.550	-	-	JHB-264	R-33-A	M-90	19.0	3/4
		10	3.40	0.134	37.64	1.482	36.07	1.420	40.82	1.607	-	-	JHB-266	R-37-A	M-90	19.0	3/4
		11	3.05	0.120	38.35	1.410	36.93	1.454	41.53	1.635	-	-	JHB-267S	R-42	M-90	19.0	3/4
		12	2.77	0.109	38.91	1.532	37.64	1.482	42.09	1.657	-	-	JHB-267	R-44	M-90	19.0	3/4
		13	2.41	0.095	39.62	1.560	38.35	1.510	42.80	1.685	-	-	JHB-268	R-46	M-90	19.0	3/4
14	2.11	0.083	40.23	1.584	38.91	1.532	43.41	1.709	-	-	JHB-269S	R-48	M-90	19.0	3/4		
50.80	2"	7	4.57	0.18	41.60	1.640	39.80	1.57	45.00	1.770	-	-	JHB-269	R-46	M-91	19.0	3/4
		8	4.19	0.165	42.42	1.670	40.51	1.595	45.59	1.795	-	-	JHB-270	R-48	M-91	19.0	3/4
		10	3.40	0.134	43.99	1.732	41.66	1.640	47.17	1.857	-	-	JHB-271S	R-50	M-91	19.0	3/4
		11	3.05	0.120	44.70	1.760	42.42	1.670	47.88	1.885	-	-	JHB-271	R-52	M-91	19.0	3/4
		12	2.77	0.109	45.26	1.782	43.28	1.704	48.44	1.907	-	-	JHB-272S	R-54	M-91	19.0	3/4
		13	2.41	0.095	45.97	1.810	43.99	1.732	49.68	1.956	-	-	JHB-272	R-56	M-91	19.0	3/4
		14	2.11	0.083	46.58	1.834	43.99	1.732	49.68	1.956	-	-	JHB-272	R-56	M-91	19.0	3/4
		15	1.83	0.072	47.14	1.856	43.99	1.732	49.68	1.956	-	-	JHB-272	R-56	M-91	19.0	3/4
		16	1.65	0.065	47.50	1.870	43.99	1.732	49.68	1.956	-	-	JHB-272	R-56	M-91	19.0	3/4
		17	1.47	0.058	47.85	1.884	43.99	1.732	49.68	1.956	-	-	JHB-272	R-56	M-91	19.0	3/4
18	1.24	0.049	48.31	1.902	43.99	1.732	49.68	1.956	-	-	JHB-272	R-56	M-91	19.0	3/4		

JHB Series



Tube O.D.		Tube Thickness			Tube I.D.		Min. Expansion		Max. Expansion		Tool No.	Roller No. Roll Length (38.1mm)	Tool No.	Roller No. Roll Length (57.15mm)	Mandrel No.	Mandrel square	
mm	inch	bwg	mm	inch	mm	inch	mm	inch	mm	inch						mm	inch
57.15	2-1/4"	10	3.40	0.134	50.34	1.982	48.01	1.890	53.52	2.107	-	-	JHB-275S	R-56	M-92	19.0	3/4
		11	3.05	0.120	51.05	2.010	48.77	1.920	54.23	2.135	-	-	JHB-275	R-58	M-92	19.0	3/4
		12	2.77	0.109	51.61	2.032	49.63	1.954	54.79	2.157	-	-	JHB-276	R-60	M-92	19.0	3/4
		13	2.41	0.095	52.32	2.060	50.34	1.982	55.50	2.185	-	-	JHB-277	R-62	M-92	19.0	3/4
		14	2.11	0.083	52.93	2.084	50.34	1.982	55.50	2.185	-	-	JHB-277	R-62	M-92	19.0	3/4
		15	1.83	0.072	53.49	2.106	50.34	1.982	55.50	2.185	-	-	JHB-277	R-62	M-92	19.0	3/4
		16	1.65	0.065	53.85	2.120	50.34	1.982	55.50	2.185	-	-	JHB-277	R-62	M-92	19.0	3/4
63.50	2-1/2"	7-8	4.50	0.177	54.50	2.146	52.00	2.050	59.30	2.335	-	-	JHB-278	R-45-A	M-92	19.0	3/4
		9	3.75	0.148	56.00	2.204	53.50	2.106	60.40	2.380	-	-	JHB-279	R-46-A	M-93	19.0	3/4
		10	3.40	0.134	56.69	2.232	54.36	2.140	61.14	2.407	-	-	JHB-280	R-64	M-93	19.0	3/4
		11	3.05	0.120	57.40	2.260	54.36	2.140	61.14	2.407	-	-	JHB-280	R-64	M-93	19.0	3/4
		12	2.77	0.109	57.96	2.282	54.36	2.140	61.14	2.407	-	-	JHB-280	R-64	M-93	19.0	3/4
		13	2.41	0.095	58.67	2.310	56.69	2.232	62.23	2.450	-	-	JHB-281	R-64	M-94	19.0	3/4
		14	2.11	0.083	59.28	2.334	56.69	2.232	62.23	2.450	-	-	JHB-281	R-64	M-94	19.0	3/4
		15	1.83	0.072	59.84	2.356	56.69	2.232	62.23	2.450	-	-	JHB-281	R-64	M-94	19.0	3/4
		16	1.65	0.065	60.20	2.370	56.69	2.232	62.23	2.450	-	-	JHB-281	R-64	M-94	19.0	3/4
		17	1.47	0.058	50.55	2.384	56.69	2.232	62.23	2.450	-	-	JHB-281	R-64	M-94	19.0	3/4
		18	1.24	0.049	61.01	2.402	56.69	2.232	62.23	2.450	-	-	JHB-281	R-64	M-94	19.0	3/4
69.85	2-3/4"	10	3.40	0.134	63.04	2.482	60.71	2.390	68.63	2.702	-	-	JHB-284	R-66	M-96	25.4	1
		11	3.05	0.120	63.8	2.510	60.71	2.390	68.63	2.702	-	-	JHB-284	R-66	M-96	25.4	1
		12	2.77	0.109	64.31	2.532	60.71	2.390	68.63	2.702	-	-	JHB-284	R-66	M-96	25.4	1
		13	2.41	0.095	65.02	2.560	60.71	2.390	68.63	2.702	-	-	JHB-284	R-66	M-96	25.4	1
		14	2.11	0.083	65.63	2.584	60.71	2.390	68.63	2.702	-	-	JHB-284	R-66	M-96	25.4	1
		15	1.83	0.072	66.19	2.606	60.71	2.390	68.63	2.702	-	-	JHB-284	R-66	M-96	25.4	1
		16	1.65	0.065	66.55	2.620	60.71	2.390	68.63	2.702	-	-	JHB-284	R-66	M-96	25.4	1
76.20	3"	8	4.19	0.165	67.82	2.670	65.02	2.560	71.86	2.829	-	-	JHB-286	R-67	M-97	25.4	1
		9	3.76	0.148	68.7	2.704	65.02	2.560	71.86	2.829	-	-	JHB-286	R-67	M-97	25.4	1
		10	3.40	0.134	69.39	2.732	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
		11	3.05	0.120	70.10	2.760	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
		12	2.77	0.109	70.66	2.782	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
		13	2.41	0.095	71.37	2.810	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
		14	2.11	0.083	71.98	2.834	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
		15	1.83	0.072	72.54	2.856	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
		16	1.65	0.065	72.90	2.870	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
		17	1.47	0.058	73.25	2.884	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
		18	1.24	0.049	53.14	2.092	67.06	2.640	74.98	2.952	-	-	JHB-288	R-67	M-96	25.4	1
88.90	3-1/2"	3	6.60	0.259	75.7	2.982	70.1	2.160	78.5	3.090	-	-	JHB-290	R-70	M-99	25.4	1
		5	5.59	0.220	77.7	3.060	73.4	2.890	81.8	3.220	-	-	JHB-292	R-70	M-99	25.4	1
		8	4.19	0.165	80.5	3.170	76.4	3.010	84.8	3.340	-	-	JHB-294	R-70	M-99	25.4	1
		13	2.41	0.095	84.1	3.311	79.7	3.140	88.1	3.470	-	-	JHB-296	R-70	M-99	25.4	1
		14	2.10	0.083	84.7	3.334	79.7	3.140	88.1	3.470	-	-	JHB-296	R-70	M-99	25.4	1
		15	1.83	0.072	85.2	3.354	79.7	3.140	88.1	3.470	-	-	JHB-296	R-70	M-99	25.4	1
		16	1.65	0.065	85.6	3.370	79.7	3.140	88.1	3.470	-	-	JHB-296	R-70	M-99	25.4	1
		17	1.47	0.058	86.0	3.385	79.7	3.140	88.1	3.470	-	-	JHB-296	R-70	M-99	25.4	1
		18	1.24	0.049	86.4	3.401	79.7	3.140	88.1	3.470	-	-	JHB-296	R-70	M-99	25.4	1
101.6	4"	3	6.60	0.259	88.4	3.480	84.5	3.330	94.5	3.720	-	-	JHB-298	R-71	M-100	25.4	1
		4	6.00	0.236	89.6	3.527	84.5	3.330	94.5	3.720	-	-	JHB-298	R-71	M-100	25.4	1
		8	4.19	0.165	93.2	3.670	90.9	3.580	100.8	3.970	-	-	JHB-300	R-71	M-101	25.4	1
		9	3.75	0.148	94.1	3.704	90.9	3.580	100.8	3.970	-	-	JHB-300	R-71	M-101	25.4	1
		10	3.40	0.134	94.8	3.732	90.9	3.580	100.8	3.970	-	-	JHB-300	R-72	M-101	25.4	1
		11	3.04	0.120	95.5	3.760	90.9	3.580	100.8	3.970	-	-	JHB-300	R-72	M-101	25.4	1
		12	2.76	0.109	96.1	3.783	90.9	3.580	100.8	3.970	-	-	JHB-300	R-72	M-101	25.4	1
		13	2.41	0.095	96.8	3.811	90.9	3.580	100.8	3.970	-	-	JHB-300	R-72	M-101	25.4	1
		14	2.10	0.083	97.4	3.834	90.9	3.580	100.8	3.970	-	-	JHB-300	R-72	M-101	25.4	1
		16	1.65	0.065	98.3	3.870	90.9	3.580	100.8	3.970	-	-	JHB-300	R-72	M-101	25.4	1

◆ Note

이 외의 사양은 스페셜 툴로 제작이 가능합니다. (별도문의)

In case of any other specification, it is possible to make special tools. Please enquire.