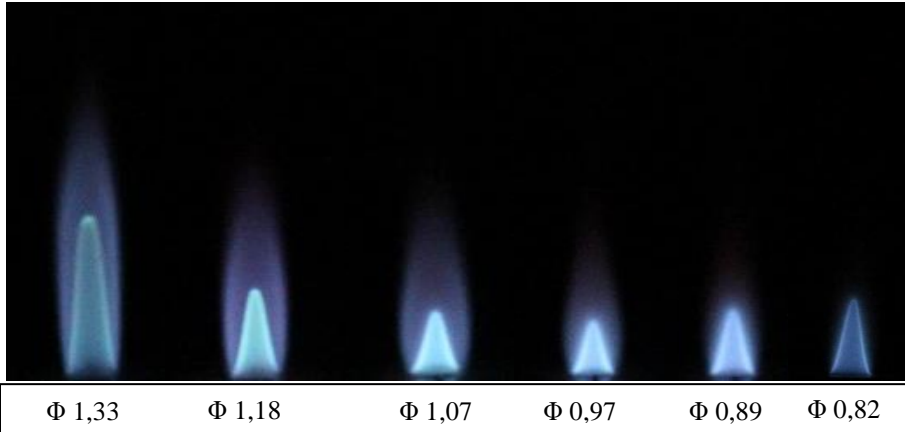


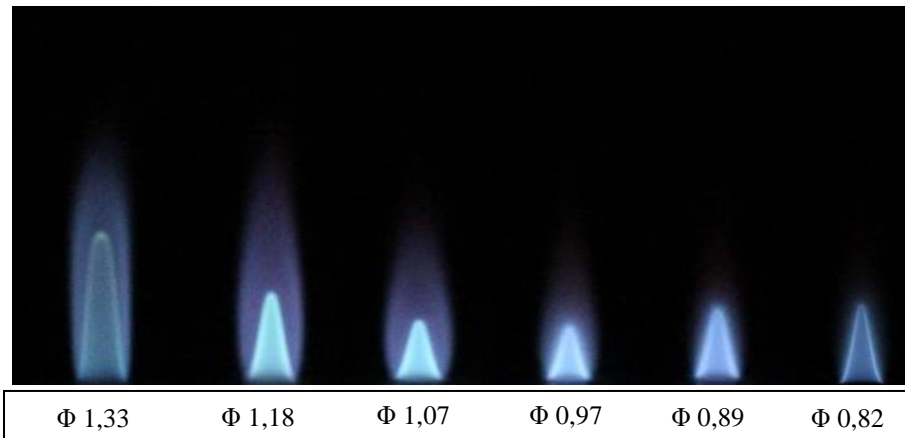
LAMPIRAN

Lampiran 1. Gambar Data Visual Api

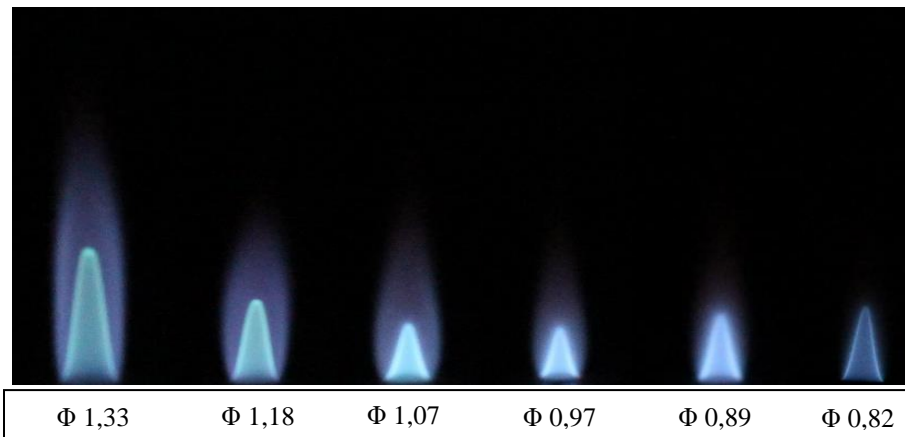
Ring 45 mm



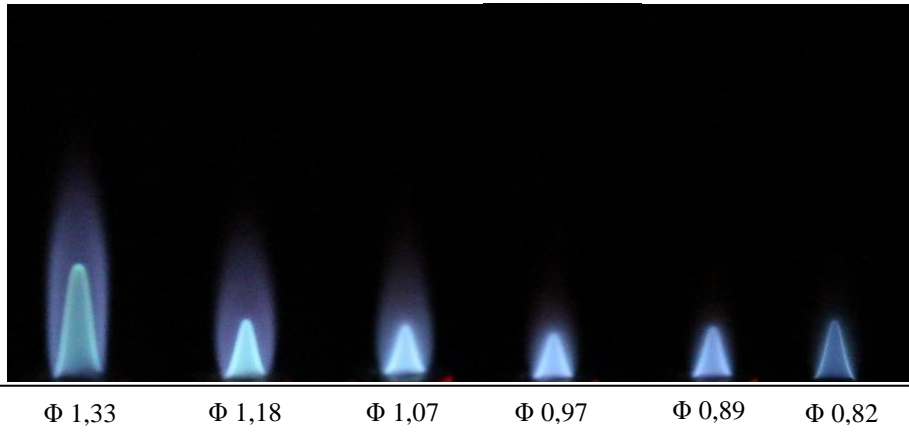
Ring 40 mm



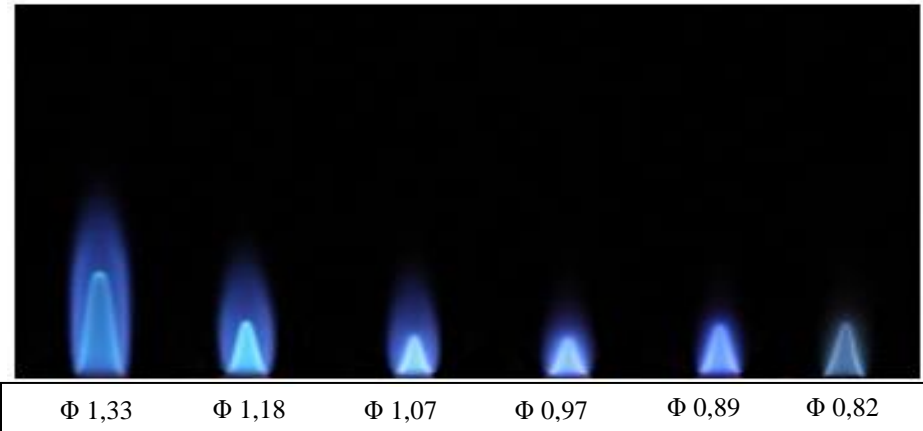
Ring 35 mm



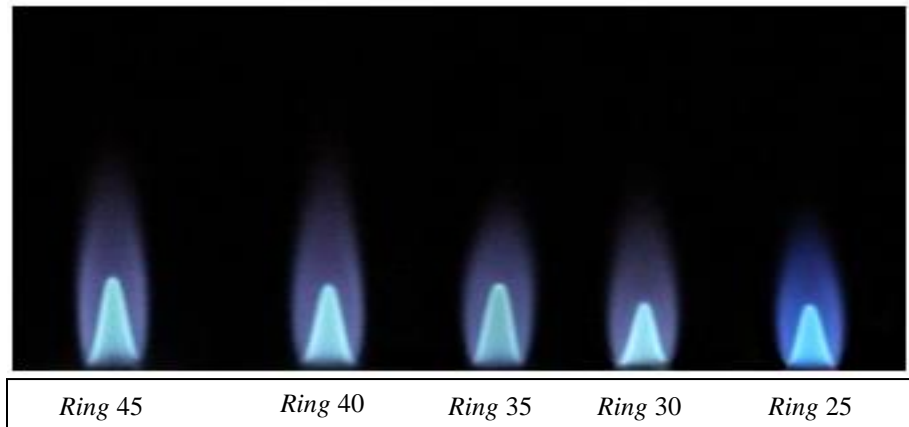
Ring 30 mm



Ring 25 mm

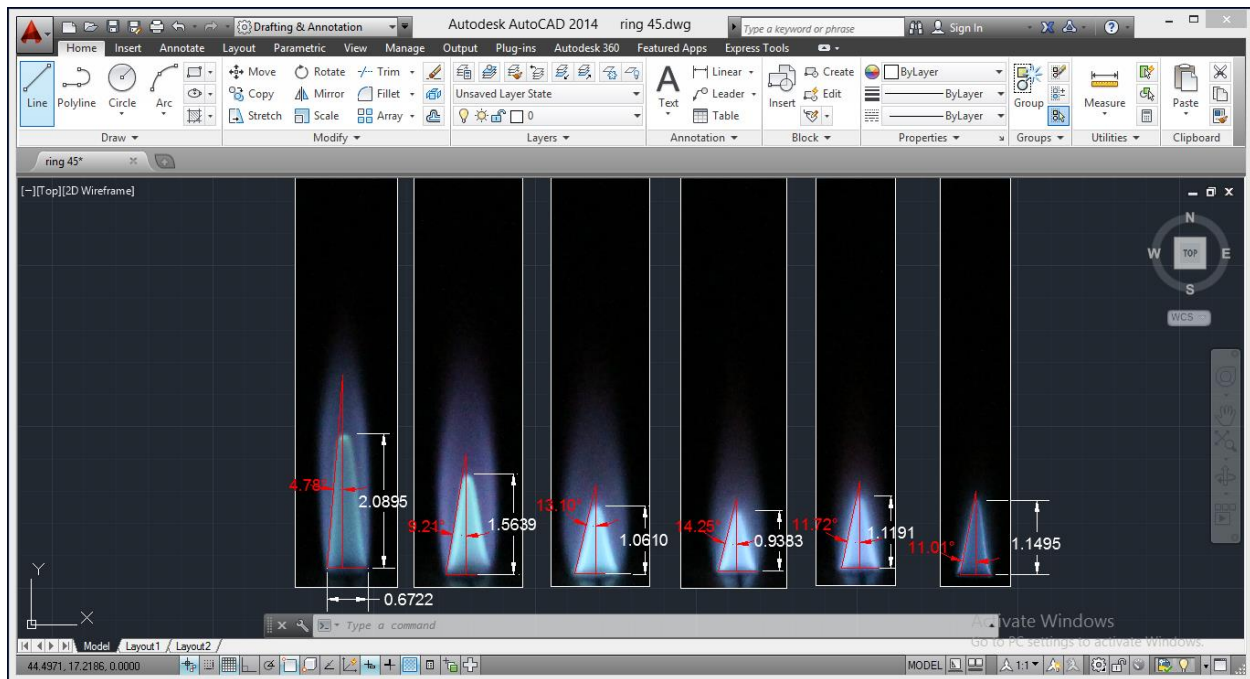


Variasi Ring pada equivalence ratio 1,18

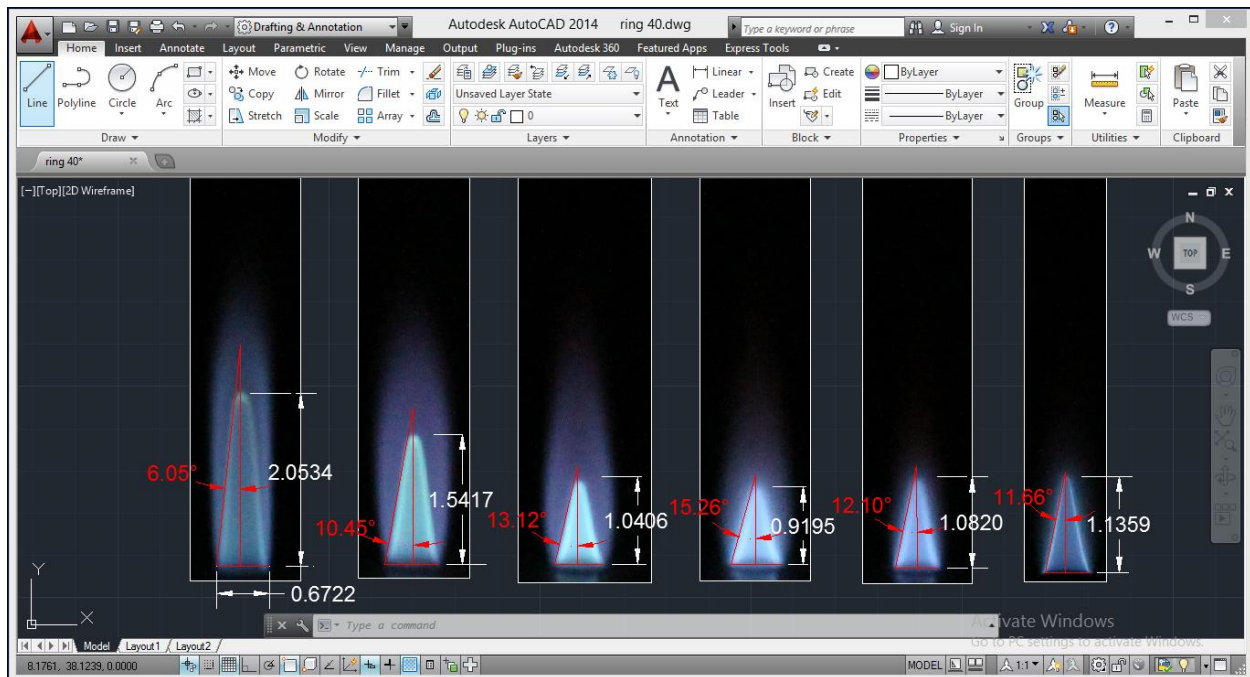


Lampiran 2. Gambar Pengolahan Data Sudut dan Tinggi Api

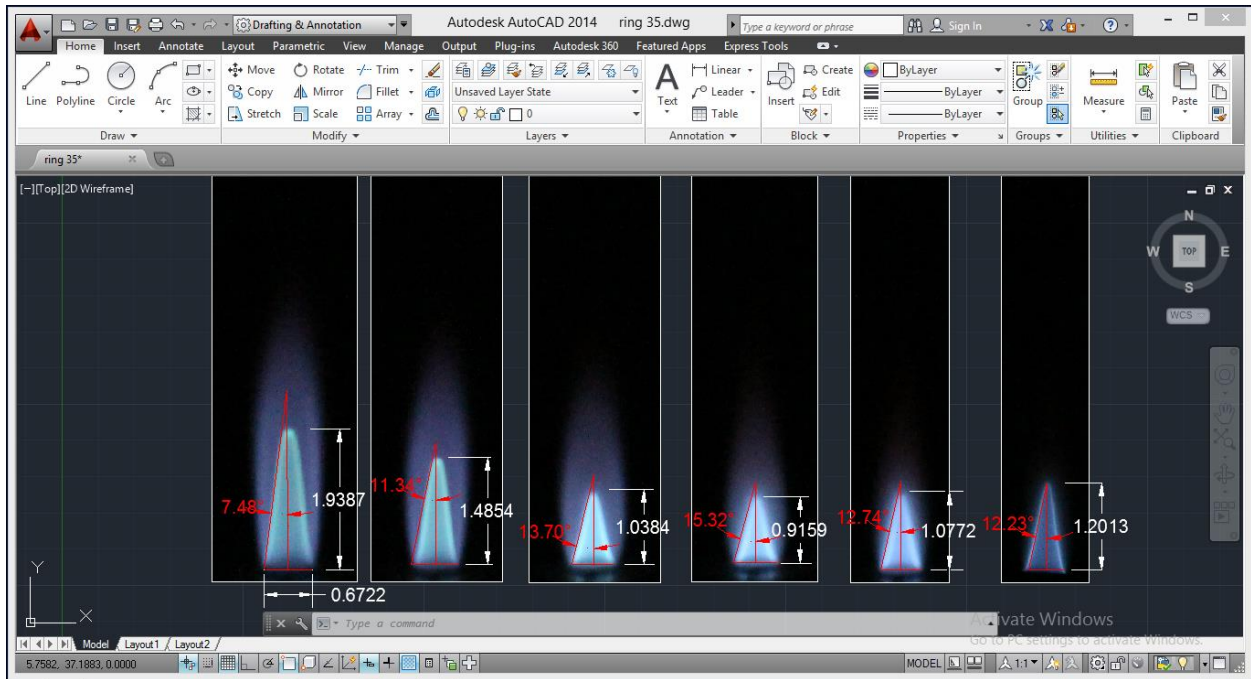
Ring 45 mm



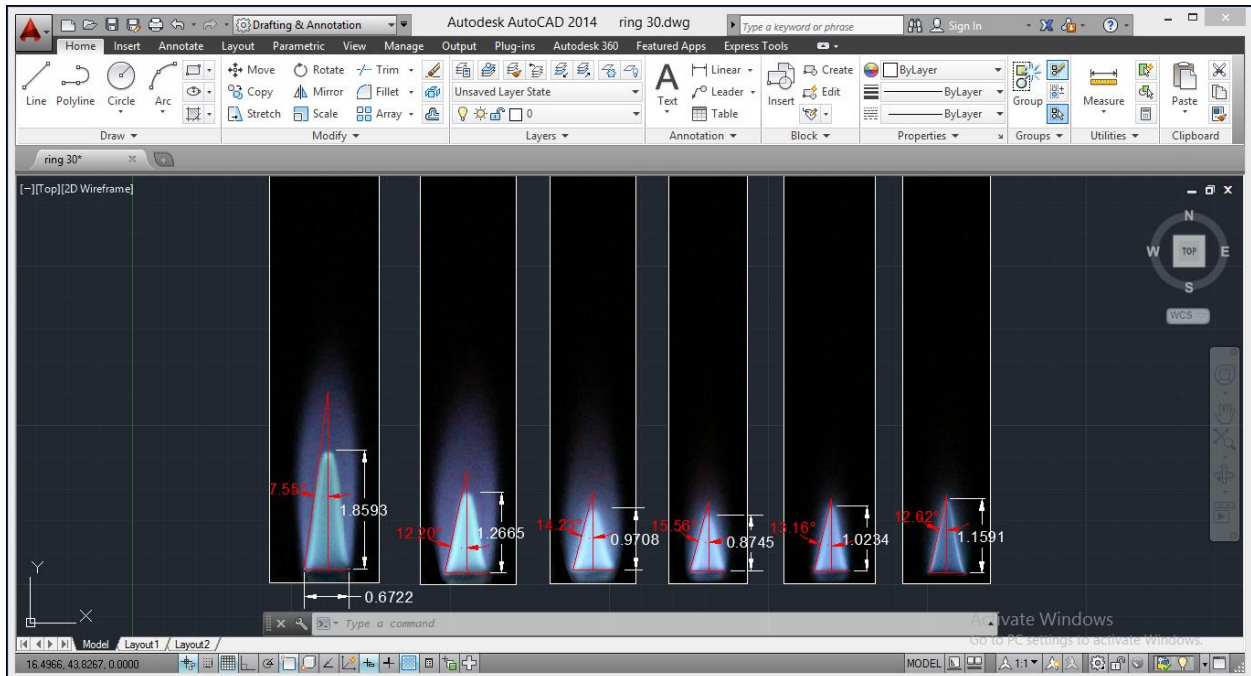
Ring 40 mm



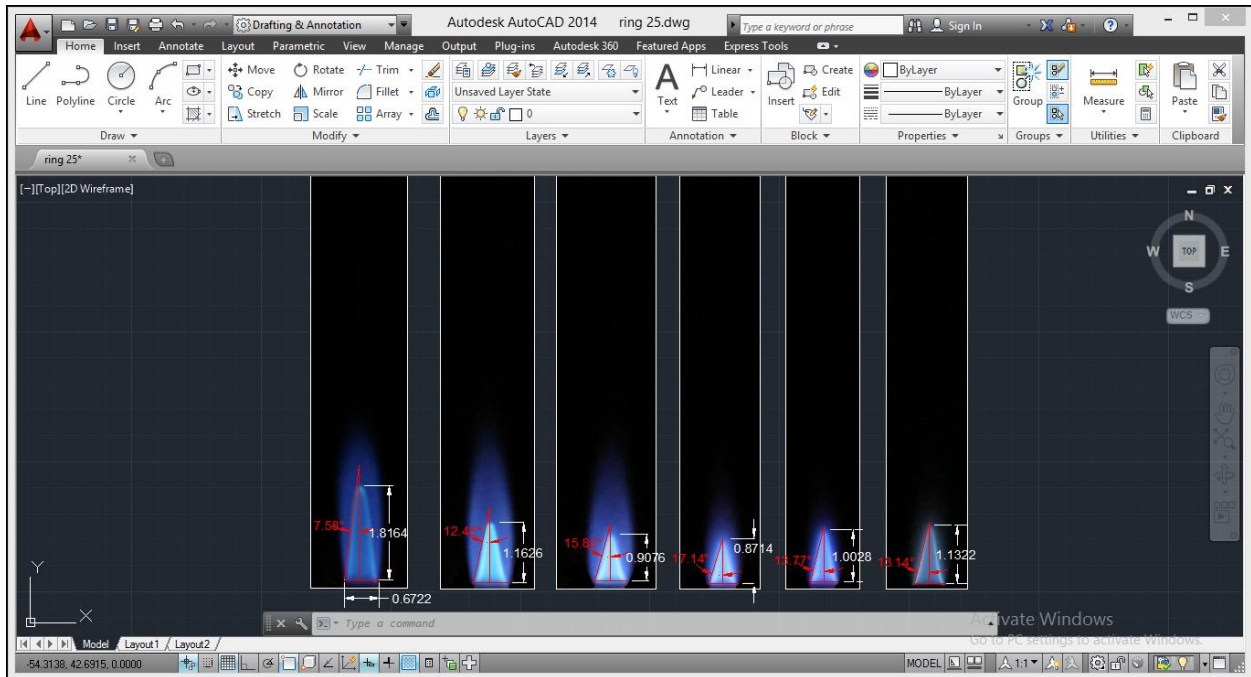
Ring 35 mm



Ring 30 mm



Ring 25 mm



Lampiran 3. Tabel Hasil Perhitungan Nyala Api Laminar

Variasi	Parameter	Φ 1,33	Φ 1,18	Φ 1,07	Φ 0,97	Φ 0,89	Φ 0,82
25 mm	T _{ujung} (°C)	1164	1185	1196	1218	1174	1169
	<i>Ring</i> T _{tengah} (°C)	1134	1157	1173	1190	1161	1155
	S _L (cm/s)	11,65	21,13	29,43	34,6	30,25	31,09
	Tinggi _L (cm)	3,242	2,075	1,62	1,555	1,79	2,021
30 mm	T _{ujung} (°C)	1155	1170	1176	1200	1163	1156
	<i>Ring</i> T _{tengah} (°C)	1125	1145	1157	1172	1149	1144
	S _L (cm/s)	11,61	20,71	26,48	31,49	28,93	29,88
	Tinggi _L (cm)	3,32	2,26	1,733	1,561	1,827	2,07
35 mm	T _{ujung} (°C)	1151	1162	1170	1190	1157	1151
	<i>Ring</i> T _{tengah} (°C)	1121	1132	1152	1166	1144	1132
	S _L (cm/s)	11,5	19,27	25,51	31,02	28,02	28,97
	Tinggi _L (cm)	3,46	2,51	1,853	1,635	1,914	2,144
40 mm	T _{ujung} (°C)	1138	1150	1160	1181	1151	1139
	<i>Ring</i> T _{tengah} (°C)	1107	1128	1145	1160	1134	1120
	S _L (cm/s)	9,31	17,78	24,45	30,9	26,64	27,64
	Tinggi _L (cm)	3,665	2,752	1,857	1,641	1,931	2,027
45 mm	T _{ujung} (°C)	1131	1142	1152	1172	1144	1133
	<i>Ring</i> T _{tengah} (°C)	1101	1119	1138	1149	1130	1114
	S _L (cm/s)	7,36	15,69	24,41	28,9	25,81	26,12
	Tinggi _L (cm)	3,73	2,791	1,894	1,675	1,997	2,052

Lampiran 4. Tabel Data Variasi Diameter *Ring Bunsen Burner*

Tabel Data Variasi Diameter *Ring Bunsen burner*

<i>Equivalence ratio</i>	<i>Diameter ring</i>	$\alpha(^{\circ})$	v (cm/s)
1,33	<i>Ring 25 mm</i>	7,58	96,76
	<i>Ring 30 mm</i>	7,55	96,76
	<i>Ring 35 mm</i>	7,48	96,76
	<i>Ring 40 mm</i>	6,05	96,76
	<i>Ring 45 mm</i>	4,78	96,76
1,18	<i>Ring 25 mm</i>	12,45	107,37
	<i>Ring 30 mm</i>	12,2	107,37
	<i>Ring 35 mm</i>	11,34	107,37
	<i>Ring 40 mm</i>	10,45	107,37
	<i>Ring 45 mm</i>	9,21	107,37
1,07	<i>Ring 25 mm</i>	15,86	117,98
	<i>Ring 30 mm</i>	14,23	117,98
	<i>Ring 35 mm</i>	13,7	117,98
	<i>Ring 40 mm</i>	13,12	117,98
	<i>Ring 45 mm</i>	13,1	117,98
0,97	<i>Ring 25 mm</i>	17,14	128,6
	<i>Ring 30 mm</i>	15,56	128,6
	<i>Ring 35 mm</i>	15,32	128,6
	<i>Ring 40 mm</i>	15,26	128,6
	<i>Ring 45 mm</i>	14,25	128,6
0,89	<i>Ring 25 mm</i>	13,77	139,2
	<i>Ring 30 mm</i>	13,16	139,2
	<i>Ring 35 mm</i>	12,74	139,2
	<i>Ring 40 mm</i>	12,1	139,2
	<i>Ring 45 mm</i>	11,72	139,2
0,82	<i>Ring 25 mm</i>	13,14	149,8
	<i>Ring 30 mm</i>	12,62	149,8
	<i>Ring 35 mm</i>	12,23	149,8
	<i>Ring 40 mm</i>	11,66	149,8
	<i>Ring 45 mm</i>	11,01	149,8