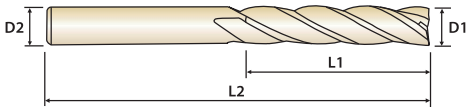
Y-COATED SOLID CARBIDE END MILLS
4 FLUTE LONG LENGTH

SEME72 SERIES

▶ Due to new coating and new tool geometry, outstanding cutting ability and wear resistance.
▶ Excellent performance when cutting prehardened steels, up to HRc55 which are used for molds & dies.
▶ Available various length of cut and overall length products.



MG HM | 4 | 30° | PLAIN | P. 138~141

Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Stock Item
	D1	D2	L1	L2	
SEME7201003E	1.0	6	3	60	●
SEME7201004E		6	4	60	●
SEME7201005E		6	5	60	●
SEME7201006E		6	6	60	●
SEME7201007E		6	7	60	
SEME7201008E		6	8	60	
SEME7201010E		6	10	60	
SEME7201012E		6	12	60	
SEME7201204E	1.2	6	4	60	
SEME7201206E		6	6	60	
SEME7201208E		6	8	60	
SEME7201210E		6	10	60	
SEME7201212E		6	12	60	
SEME7201506E	1.5	6	6	60	●
SEME7201508E		6	8	60	
SEME7201510E		6	10	60	
SEME7201512E		6	12	60	
SEME7201514E		6	14	60	
SEME7201516E		6	16	60	
SEME7202008E	2.0	6	8	60	●
SEME7202010E		6	10	60	●
SEME7202012E		6	12	60	●
SEME7202014E		6	14	60	●
SEME7202016E		6	16	60	
SEME7202510E	2.5	6	10	60	●
SEME7202512E		6	12	60	●
SEME7202516E		6	16	60	
SEME7202520E		6	20	60	

◎ : Excellent ○ : Good

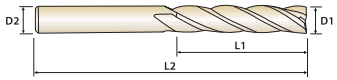
P					H	M	K	N					S	
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Stainless Steels	Cast Iron	Copper	Graphite	Aluminum	Acrylic	CFRP	Titanium	High Temperature Alloy
~HB225	HB225~352	HRc30~40	HRc40~45	HRc45~55	HRc55~70									
◎	◎	◎	◎	○			○							

Y-COATED SOLID CARBIDE END MILLS

4 FLUTE LONG LENGTH

SEME72 SERIES

▶ Due to new coating and new tool geometry, outstanding cutting ability and wear resistance.
▶ Excellent performance when cutting prehardened steels, up to HRc55 which are used for molds & dies.
▶ Available various length of cut and overall length products.



MG HM | 4 | 30° | PLAIN

P. 138~141

Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Stock Item
	D1	D2	L1	L2	
SEME7202526E	2.5	6	26	60	
SEME72030163SE	3.0	3	16	100	
SEME7203010E		6	10	70	●
SEME7203012E		6	12	70	●
SEME7203014E		6	14	70	
SEME7203016E		6	16	70	●
SEME7203020E		6	20	70	●
SEME7203026E		6	26	70	●
SEME7203030E		6	30	70	●
SEME72040204SE	4.0	4	20	100	
SEME7204012E		6	12	70	●
SEME7204016E		6	16	70	●
SEME7204020E		6	20	70	●
SEME7204026E		6	26	70	●
SEME7204030E		6	30	70	●
SEME7205020E	5.0	6	20	70	●
SEME7205025E		6	25	70	●
SEME7205025100E		6	25	100	
SEME7205030E		6	30	80	●
SEME7205035E		6	35	90	
SEME7205040E		6	40	100	
SEME7206015E	6.0	6	15	60	●
SEME7206015080E		6	15	80	
SEME7206020E		6	20	70	●
SEME7206020090E		6	20	90	●
SEME7206025E		6	25	75	●
SEME7206030E		6	30	80	●
SEME7206030100E		6	30	100	●

◎ : Excellent ○ : Good

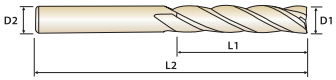
P					H	M	K	N					S	
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Stainless Steels	Cast Iron	Copper	Graphite	Aluminum	Acrylic	CFRP	Titanium	High Temperature Alloy
~HB225	HB225~352	HRc30~40	HRc40~45	HRc45~55	HRc55~70									
◎	◎	◎	◎	○			○							

Y-COATED SOLID CARBIDE END MILLS

4 FLUTE LONG LENGTH

SEME72 SERIES

▶ Due to new coating and new tool geometry, outstanding cutting ability and wear resistance.
▶ Excellent performance when cutting prehardened steels, up to HRc55 which are used for molds & dies.
▶ Available various length of cut and overall length products.



MG HM | 4 | 30° | PLAIN

P. 138~141

Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Stock Item
	D1	D2	L1	L2	
SEME7206030150E	6.0	6	30	150	
SEME7206035E		6	35	90	●
SEME7206040E		6	40	90	●
SEME7206040120E		6	40	120	●
SEME7206045E		6	45	150	●
SEME7208025E	8.0	8	25	80	●
SEME7208030E		8	30	80	●
SEME7208030100E		8	30	100	
SEME7208035E		8	35	90	●
SEME7208040E		8	40	90	●
SEME7208040120E		8	40	120	
SEME7208040150E		8	40	150	
SEME7208045E		8	45	100	●
SEME7208050E		8	50	100	●
SEME7208050150E		8	50	150	●
SEME7210030E	10.0	10	30	80	●
SEME7210030100E		10	30	100	●
SEME7210035E		10	35	90	●
SEME7210040E		10	40	90	●
SEME7210040120E		10	40	120	
SEME7210045E		10	45	100	●
SEME7210050E		10	50	100	●
SEME7210050150E		10	50	150	
SEME7210050200E		10	50	200	
SEME7210055E		10	55	150	
SEME7210060E		10	60	110	
SEME7210060200E		10	60	200	
SEME7212035E	12.0	12	35	90	●

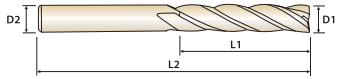
◎ : Excellent ○ : Good

P					H	M	K	N					S	
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Stainless Steels	Cast Iron	Copper	Graphite	Aluminum	Acrylic	CFRP	Titanium	High Temperature Alloy
~HB225	HB225~352	HRc30~40	HRc40~45	HRc45~55	HRc55~70									
◎	◎	◎	◎	○			○							

Y-COATED SOLID CARBIDE END MILLS
4 FLUTE LONG LENGTH

SEME72 SERIES

▶ Due to new coating and new tool geometry, outstanding cutting ability and wear resistance.
▶ Excellent performance when cutting prehardened steels, up to HRc55 which are used for molds & dies.
▶ Available various length of cut and overall length products.



MG HM | 4 | 30° | PLAIN

P. 138~141

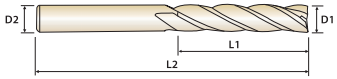
Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Stock Item
	D1	D2	L1	L2	
SEME7212040E	12.0	12	40	100	●
SEME7212040120E		12	40	120	
SEME7212045E		12	45	130	●
SEME7212050E		12	50	100	●
SEME7212050150E		12	50	150	
SEME7212055E		12	55	110	●
SEME7212060E		12	60	110	●
SEME7212060150E		12	60	150	●
SEME7212060200E		12	60	200	
SEME7212065E		12	65	150	
SEME7212070E		12	70	120	
SEME7212070200E		12	70	200	
SEME7214050E	14.0	16	50	110	●
SEME7214060E		16	60	150	
SEME7216040E	16.0	16	40	150	
SEME7216050E		16	50	110	●
SEME7216050150E		16	50	150	
SEME7216060E		16	60	120	●
SEME7216070E		16	70	130	●
SEME7216070150E		16	70	150	●
SEME7216070200E		16	70	200	
SEME7216080E		16	80	150	
SEME7216090E		16	90	150	
SEME72160110E		16	110	200	
SEME72160120E		16	120	250	
SEME7218050E	18.0	20	50	120	
SEME7218070E		20	70	130	
SEME72180100E		20	100	200	

◎ : Excellent ○ : Good

P					H	M	K	N					S	
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Stainless Steels	Cast Iron	Copper	Graphite	Aluminum	Acrylic	CFRP	Titanium	High Temperature Alloy
~HB225	HB225~352	HRc30~40	HRc40~45	HRc45~55	HRc55~70									
◎	◎	◎	◎	○			○							

Y-COATED SOLID CARBIDE END MILLS
4 FLUTE LONG LENGTH
SEME72 SERIES
▶ Due to new coating and new tool geometry, outstanding cutting ability and wear resistance.
▶ Excellent performance when cutting prehardened steels, up to HRc55 which are used for molds & dies.
▶ Available various length of cut and overall length products.



MG HM | 4 | 30° | PLAIN

P. 138~141

Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Stock Item
	D1	D2	L1	L2	
SEME7220050E	20.0	20	50	110	
SEME72200050150E		20	50	150	
SEME7220060E		20	60	130	●
SEME7220070E		20	70	130	
SEME7220080E		20	80	150	
SEME7220090E		20	90	150	
SEME72200900200E		20	90	200	●
SEME72200110E		20	110	200	
SEME72200120E		20	120	250	
SEME7222075E	22.0	20	75	150	
SEME72220110E		20	110	200	
SEME7225070E	25.0	25	70	150	
SEME7225090E		25	90	150	●
SEME72250110E		25	110	200	
SEME72250120		25	120	250	

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.03	h6

◎ : Excellent ○ : Good

P					H	M	K	N					S	
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Stainless Steels	Cast Iron	Copper	Graphite	Aluminum	Acrylic	CFRP	Titanium	High Temperature Alloy
~HB225	HB225~352	HRc30~40	HRc40~45	HRc45~55	HRc55~70									
◎	◎	◎	◎	○			○							

Y-COATED SOLID CARBIDE END MILLS

4 FLUTE LONG LENGTH

SEME72 SERIES

DIA. = Diameter RPM = rev./min. Vc = m/min.
LOC = Length of Cut FEED = mm/min. Fz = mm/tooth

MATERIAL		P							
		NON-ALLOYED STEELS ALLOY STEELS				ALLOY STEELS HEAT RESISTANT STEELS			
HARDNESS		~ HRc 35				HRc 35 ~ HRc 45			
STRENGTH		~ 1100N/mm²				1110 ~ 1500N/mm²			
DIA.	LOC	RPM	FEED	Vc	Fz	RPM	FEED	Vc	Fz
1.0	3	19200	180	60	0.002	10940	70	34	0.002
1.0	4	19200	180	60	0.002	10940	70	34	0.002
1.0	5	19200	180	60	0.002	10940	70	34	0.002
1.0	6	17280	145	54	0.002	9850	60	31	0.002
1.0	7	17280	145	54	0.002	9850	60	31	0.002
1.0	8	17280	130	54	0.002	9850	50	31	0.001
1.0	10	17280	130	54	0.002	9850	50	31	0.001
1.0	12	15360	100	48	0.002	8760	40	28	0.001
1.2	4	16200	205	61	0.003	9230	80	35	0.002
1.2	6	16200	205	61	0.003	9230	80	35	0.002
1.2	8	14580	165	55	0.003	8310	65	31	0.002
1.2	10	14580	145	55	0.002	8310	60	31	0.002
1.2	12	14580	145	55	0.002	8310	60	31	0.002
1.5	6	13800	215	65	0.004	7870	85	37	0.003
1.5	8	12420	195	59	0.004	7080	80	33	0.003
1.5	10	12420	175	59	0.004	7080	70	33	0.002
1.5	12	12420	155	59	0.003	7080	60	33	0.002
1.5	14	12420	155	59	0.003	7080	60	33	0.002
1.5	16	11040	120	52	0.003	6290	50	30	0.002
2.0	8	10580	240	66	0.006	6050	95	38	0.004
2.0	10	10580	240	66	0.006	6050	95	38	0.004
2.0	12	9530	195	60	0.005	5440	80	34	0.004
2.0	14	9530	195	60	0.005	5440	80	34	0.004
2.0	16	9530	175	60	0.005	5440	70	34	0.003
2.5	10	8990	260	71	0.007	5170	110	41	0.005
2.5	12	8990	260	71	0.007	5170	110	41	0.005
2.5	16	8090	210	64	0.006	4650	85	37	0.005
2.5	20	8090	185	64	0.006	4650	80	37	0.004
2.5	26	7200	145	57	0.005	4130	60	32	0.004
3.0	10	7400	275	70	0.009	4280	120	40	0.007
3.0	12	7400	275	70	0.009	4280	120	40	0.007
3.0	14	7400	275	70	0.009	4280	120	40	0.007
3.0	16	6660	250	63	0.009	3860	110	36	0.007
3.0	20	6660	225	63	0.008	3860	95	36	0.006
3.0	26	6660	200	63	0.008	3860	85	36	0.006
3.0	30	6660	200	63	0.008	3860	85	36	0.006
4.0	12	6000	335	75	0.014	3410	140	43	0.010
4.0	16	6000	335	75	0.014	3410	140	43	0.010
4.0	20	6000	335	75	0.014	3410	140	43	0.010
4.0	26	5400	270	68	0.013	3070	110	39	0.009
4.0	30	5400	270	68	0.013	3070	110	39	0.009
5.0	20	5120	430	80	0.021	2900	170	46	0.015
5.0	25	5120	430	80	0.021	2900	170	46	0.015
5.0	30	4610	350	72	0.019	2610	135	41	0.013
5.0	35	4610	350	72	0.019	2610	135	41	0.013
5.0	40	4610	310	72	0.017	2610	120	41	0.011
6.0	15	4420	515	83	0.029	2520	215	48	0.021
6.0	20	4420	515	83	0.029	2520	215	48	0.021
6.0	25	4420	515	83	0.029	2520	215	48	0.021
6.0	30	4420	440	83	0.025	2520	185	48	0.018
6.0	35	3970	395	75	0.025	2270	165	43	0.018
6.0	40	3970	350	75	0.022	2270	145	43	0.016
6.0	45	3970	350	75	0.022	2270	145	43	0.016

Y-COATED SOLID CARBIDE END MILLS

4 FLUTE LONG LENGTH

SEME72 SERIES

DIA. = Diameter RPM = rev./min. Vc = m/min.
LOC = Length of Cut FEED = mm/min. Fz = mm/tooth

MATERIAL		P				K			
		HARDENED STEELS				CAST IRON			
HARDNESS		HRc 45 ~ HRc 55							
STRENGTH		1500 ~ 2000N/mm²							
DIA.	LOC	RPM	FEED	Vc	Fz	RPM	FEED	Vc	Fz
1.0	3	6720	35	21	0.001	19200	180	60	0.002
1.0	4	6720	35	21	0.001	19200	180	60	0.002
1.0	5	6720	35	21	0.001	19200	180	60	0.002
1.0	6	6050	30	19	0.001	17280	145	54	0.002
1.0	7	6050	30	19	0.001	17280	145	54	0.002
1.0	8	6050	25	19	0.001	17280	130	54	0.002
1.0	10	6050	25	19	0.001	17280	130	54	0.002
1.0	12	5380	20	17	0.001	15360	100	48	0.002
1.2	4	5670	40	21	0.002	16200	205	61	0.003
1.2	6	5670	40	21	0.002	16200	205	61	0.003
1.2	8	5100	35	19	0.002	14580	165	55	0.003
1.2	10	5100	30	19	0.001	14580	145	55	0.002
1.2	12	5100	30	19	0.001	14580	145	55	0.002
1.5	6	4830	45	23	0.002	13800	215	65	0.004
1.5	8	4350	40	20	0.002	12420	195	59	0.004
1.5	10	4350	35	20	0.002	12420	175	59	0.004
1.5	12	4350	30	20	0.002	12420	155	59	0.003
1.5	14	4350	30	20	0.002	12420	155	59	0.003
1.5	16	3860	25	18	0.002	11040	120	52	0.003
2.0	8	3780	55	24	0.004	10580	240	66	0.006
2.0	10	3780	55	24	0.004	10580	240	66	0.006
2.0	12	3400	45	21	0.003	9530	195	60	0.005
2.0	14	3400	45	21	0.003	9530	195	60	0.005
2.0	16	3400	40	21	0.003	9530	175	60	0.005
2.5	10	3210	60	25	0.005	8990	260	71	0.007
2.5	12	3210	60	25	0.005	8990	260	71	0.007
2.5	16	2890	50	23	0.004	8090	210	64	0.006
2.5	20	2890	45	23	0.004	8090	185	64	0.006
2.5	26	2570	35	20	0.003	7200	145	57	0.005
3.0	10	2640	65	25	0.006	7400	275	70	0.009
3.0	12	2640	65	25	0.006	7400	275	70	0.009
3.0	14	2640	65	25	0.006	7400	275	70	0.009
3.0	16	2380	60	22	0.006	6660	250	63	0.009
3.0	20	2380	55	22	0.006	6660	225	63	0.008
3.0	26	2380	50	22	0.005	6660	200	63	0.008
3.0	30	2380	50	22	0.005	6660	200	63	0.008
4.0	12	2150	70	27	0.008	6000	335	75	0.014
4.0	16	2150	70	27	0.008	6000	335	75	0.014
4.0	20	2150	70	27	0.008	6000	335	75	0.014
4.0	26	1930	60	24	0.008	5400	270	68	0.013
4.0	30	1930	60	24	0.008	5400	270	68	0.013
5.0	20	1900	85	30	0.011	5120	430	80	0.021
5.0	25	1900	85	30	0.011	5120	430	80	0.021
5.0	30	1710	70	27	0.010	4610	350	72	0.019
5.0	35	1710	70	27	0.010	4610	350	72	0.019
5.0	40	1710	60	27	0.009	4610	310	72	0.017
6.0	15	1640	110	31	0.017	4420	515	83	0.029
6.0	20	1640	110	31	0.017	4420	515	83	0.029
6.0	25	1640	110	31	0.017	4420	515	83	0.029
6.0	30	1640	90	31	0.014	4420	440	83	0.025
6.0	35	1480	85	28	0.014	3970	395	75	0.025
6.0	40	1480	75	28	0.013	3970	350	75	0.022
6.0	45	1480	75	28	0.013	3970	350	75	0.022

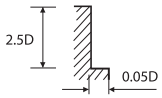
Y-COATED SOLID CARBIDE END MILLS

4 FLUTE LONG LENGTH

SEME72 SERIES

DIA. = Diameter RPM = rev./min. Vc = m/min.
LOC = Length of Cut FEED = mm/min. Fz = mm/tooth

MATERIAL		P							
		NON-ALLOYED STEELS ALLOY STEELS				ALLOY STEELS HEAT RESISTANT STEELS			
HARDNESS		~ HRc 35				HRc 35 ~ HRc 45			
STRENGTH		~ 1100N/mm²				1110 ~ 1500N/mm²			
DIA.	LOC	RPM	FEED	Vc	Fz	RPM	FEED	Vc	Fz
8.0	**25**	3360	550	84	0.041	1900	215	48	0.028
8.0	**30**	3360	550	84	0.041	1900	215	48	0.028
8.0	**35**	3360	550	84	0.041	1900	215	48	0.028
8.0	**40**	3360	470	84	0.035	1900	185	48	0.024
8.0	**45**	3020	420	76	0.035	1710	165	43	0.024
8.0	**50**	3020	375	76	0.031	1710	145	43	0.021
10.0	**30**	2820	550	89	0.049	1640	215	52	0.033
10.0	**35**	2820	550	89	0.049	1640	215	52	0.033
10.0	**40**	2820	550	89	0.049	1640	215	52	0.033
10.0	**45**	2820	470	89	0.042	1640	185	52	0.028
10.0	**50**	2820	470	89	0.042	1640	185	52	0.028
10.0	**55**	2540	420	80	0.041	1480	165	46	0.028
10.0	**60**	2540	375	80	0.037	1480	145	46	0.024
12.0	**35**	2300	430	87	0.047	1390	190	52	0.034
12.0	**40**	2300	430	87	0.047	1390	190	52	0.034
12.0	**45**	2300	365	87	0.040	1390	165	52	0.030
12.0	**50**	2300	365	87	0.040	1390	165	52	0.030
12.0	**55**	2300	365	87	0.040	1390	165	52	0.030
12.0	**60**	2300	325	87	0.035	1390	145	52	0.026
12.0	**65**	2070	290	78	0.035	1250	130	47	0.026
12.0	**70**	2070	290	78	0.035	1250	130	47	0.026
14.0	**50**	2120	345	93	0.041	1230	145	54	0.029
14.0	**60**	2120	345	93	0.041	1230	145	54	0.029
16.0	**40**	1940	385	98	0.050	1070	150	54	0.035
16.0	**50**	1940	385	98	0.050	1070	150	54	0.035
16.0	**60**	1940	325	98	0.042	1070	130	54	0.030
16.0	**70**	1940	325	98	0.042	1070	130	54	0.030
16.0	**80**	1940	290	98	0.037	1070	115	54	0.027
16.0	**90**	1750	260	88	0.037	960	100	48	0.026
16.0	**110**	1750	260	88	0.037	960	100	48	0.026
16.0	**120**	1750	260	88	0.037	960	100	48	0.026
18.0	**50**	1680	330	95	0.049	940	130	53	0.035
18.0	**70**	1680	280	95	0.042	940	110	53	0.029
18.0	**100**	1510	225	85	0.037	850	85	48	0.025
20.0	**50**	1420	275	89	0.048	820	110	52	0.034
20.0	**60**	1420	275	89	0.048	820	110	52	0.034
20.0	**70**	1420	235	89	0.041	820	90	52	0.027
20.0	**80**	1420	235	89	0.041	820	90	52	0.027
20.0	**90**	1420	205	89	0.036	820	80	52	0.024
20.0	**110**	1270	185	80	0.036	730	75	46	0.026
20.0	**120**	1270	185	80	0.036	730	75	46	0.026
22.0	**75**	1260	205	87	0.041	820	90	57	0.027
22.0	**110**	1260	180	87	0.036	820	80	57	0.024
25.0	**70**	1100	215	86	0.049	820	110	64	0.034
25.0	**90**	1100	185	86	0.042	820	90	64	0.027
25.0	**110**	1100	185	86	0.042	820	90	64	0.027
25.0	**120**	1100	160	86	0.036	820	80	64	0.024



Phone: +82-32-526-0909, www.yg1.kr, E-mail: yg1@yg1.kr

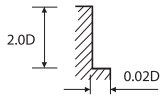
Y-COATED SOLID CARBIDE END MILLS

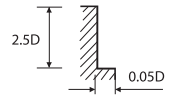
4 FLUTE LONG LENGTH

SEME72 SERIES

DIA. = Diameter RPM = rev./min. Vc = m/min.
LOC = Length of Cut FEED = mm/min. Fz = mm/tooth

MATERIAL		P				K			
		HARDENED STEELS				CAST IRON			
HARDNESS		HRc 45 ~ HRc 55							
STRENGTH		1500 ~ 2000N/mm²							
DIA.	LOC	RPM	FEED	Vc	Fz	RPM	FEED	Vc	Fz
8.0	**25**	1260	110	32	0.022	3360	550	84	0.041
8.0	**30**	1260	110	32	0.022	3360	550	84	0.041
8.0	**35**	1260	110	32	0.022	3360	550	84	0.041
8.0	**40**	1260	90	32	0.018	3360	470	84	0.035
8.0	**45**	1130	85	28	0.019	3020	420	76	0.035
8.0	**50**	1130	75	28	0.017	3020	375	76	0.031
10.0	**30**	1010	110	32	0.027	2820	550	89	0.049
10.0	**35**	1010	110	32	0.027	2820	550	89	0.049
10.0	**40**	1010	110	32	0.027	2820	550	89	0.049
10.0	**45**	1010	90	32	0.022	2820	470	89	0.042
10.0	**50**	1010	90	32	0.022	2820	470	89	0.042
10.0	**55**	910	85	29	0.023	2540	420	80	0.041
10.0	**60**	910	75	29	0.021	2540	375	80	0.037
12.0	**35**	840	85	32	0.025	2300	430	87	0.047
12.0	**40**	840	85	32	0.025	2300	430	87	0.047
12.0	**45**	840	70	32	0.021	2300	365	87	0.040
12.0	**50**	840	70	32	0.021	2300	365	87	0.040
12.0	**55**	840	70	32	0.021	2300	365	87	0.040
12.0	**60**	840	65	32	0.019	2300	325	87	0.035
12.0	**65**	760	55	29	0.018	2070	290	78	0.035
12.0	**70**	760	55	29	0.018	2070	290	78	0.035
14.0	**50**	760	65	33	0.021	2120	345	93	0.041
14.0	**60**	760	65	33	0.021	2120	345	93	0.041
16.0	**40**	670	70	34	0.026	1940	385	98	0.050
16.0	**50**	670	70	34	0.026	1940	385	98	0.050
16.0	**60**	670	60	34	0.022	1940	325	98	0.042
16.0	**70**	670	60	34	0.022	1940	325	98	0.042
16.0	**80**	670	55	34	0.021	1940	290	98	0.037
16.0	**90**	600	50	30	0.021	1750	260	88	0.037
16.0	**110**	600	50	30	0.021	1750	260	88	0.037
16.0	**120**	600	50	30	0.021	1750	260	88	0.037
18.0	**50**	590	65	33	0.028	1680	330	95	0.049
18.0	**70**	590	55	33	0.023	1680	280	95	0.042
18.0	**100**	530	45	30	0.021	1510	225	85	0.037
20.0	**50**	500	55	31	0.028	1420	275	89	0.048
20.0	**60**	500	55	31	0.028	1420	275	89	0.048
20.0	**70**	500	45	31	0.023	1420	235	89	0.041
20.0	**80**	500	45	31	0.023	1420	235	89	0.041
20.0	**90**	500	40	31	0.020	1420	205	89	0.036
20.0	**110**	450	35	28	0.019	1270	185	80	0.036
20.0	**120**	450	35	28	0.019	1270	185	80	0.036
22.0	**75**	500	45	35	0.023	1260	205	87	0.041
22.0	**110**	500	40	35	0.020	1260	180	87	0.036
25.0	**70**	500	55	39	0.028	1100	215	86	0.049
25.0	**90**	500	45	39	0.023	1100	185	86	0.042
25.0	**110**	500	45	39	0.023	1100	185	86	0.042
25.0	**120**	500	40	39	0.020	1100	160	86	0.036





Phone: +82-32-526-0909, www.yg1.kr, E-mail: yg1@yg1.kr