



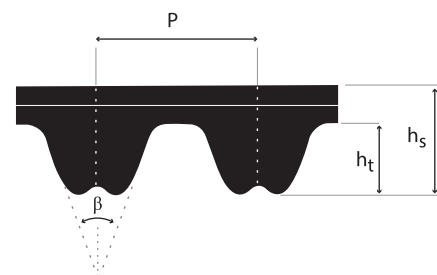
HTD TIMING BELTS

Description

The new HTD parabolic profile is deeper than the equivalent competitors standard tooth profile. The increased depth and sturdiness of the tooth results in an increased torque transmission capability and reduced interference during meshing.

The recess in the top of the tooth allows local deformation of the belt when meshing with the pulley, and this contributes to the ability to absorb shock loads and reduced interference during meshing. Other benefits include a reduction in transmission noise, an increase in tooth jump resistance, an increase in power transmitted and an increase resistance to tooth shear. Part numbers are identified by a 3 or 4 digit number (e.g. 960) which represents the pitch length in mm, a number and letter (e.g. 8M) the belts pitch and a 2 or 3 digit number (e.g. 30) the belts width. 960-8M-30 etc.

Belt type	Pitch	β	h_s	h_t
3M	3mm	32°	2.40	1.15
5M	5mm	32°	3.80	2.00
8M	8mm	32°	5.40	3.46
14M	14mm	32°	9.70	6.10



3M HTD

3M - CROSS SECTION		BELT WIDTH			
Part Number	Length (mm)	Number of teeth	6mm	9mm	15mm
90-3M-	90	30	06	09	15
105-3M-	105	35	06	09	15
129-3M-	129	43	06	09	15
141-3M-	141	47	06	09	15
144-3M-	144	48	06	09	15
147-3M-	147	49	06	09	15
150-3M-	150	50	06	09	15
159-3M-	159	53	06	09	15
168-3M-	168	56	06	09	15
174-3M-	174	58	06	09	15
177-3M-	177	59	06	09	15
180-3M-	180	60	06	09	15
186-3M-	186	62	06	09	15
195-3M-	195	65	06	09	15
201-3M-	201	67	06	09	15
204-3M-	204	68	06	09	15
210-3M-	210	70	06	09	15
213-3M-	213	71	06	09	15
225-3M-	225	75	06	09	15
231-3M-	231	77	06	09	15
240-3M-	240	80	06	09	15
243-3M-	243	81	06	09	15
246-3M-	246	82	06	09	15
249-3M-	249	83	06	09	15
252-3M-	252	84	06	09	15

3M - CROSS SECTION		BELT WIDTH			
Part Number	Length (mm)	Number of teeth	6mm	9mm	15mm
255-3M-	255	85	06	09	15
261-3M-	261	87	06	09	15
264-3M-	264	88	06	09	15
267-3M-	267	89	06	09	15
270-3M-	270	90	06	09	15
276-3M-	276	92	06	09	15
285-3M-	285	95	06	09	15
288-3M-	288	96	06	09	15
291-3M-	291	97	06	09	15
297-3M-	297	99	06	09	15
300-3M-	300	100	06	09	15
312-3M-	312	104	06	09	15
318-3M-	318	106	06	09	15
327-3M-	327	109	06	09	15
330-3M-	330	110	06	09	15
333-3M-	333	111	06	09	15
336-3M-	336	112	06	09	15
339-3M-	339	113	06	09	15
345-3M-	345	115	06	09	15
357-3M-	357	119	06	09	15
363-3M-	363	121	06	09	15
375-3M-	375	125	06	09	15
384-3M-	384	128	06	09	15
390-3M-	390	130	06	09	15
393-3M-	393	131	06	09	15

3M HTD CONTINUED

3M - CROSS SECTION		BELT WIDTH			
Part Number	Length (mm)	Number of teeth	6mm	9mm	15mm
405-3M-	405	135	06	09	15
420-3M-	420	140	06	09	15
432-3M-	432	144	06	09	15
447-3M-	447	149	06	09	15
474-3M-	474	158	06	09	15
480-3M-	480	160	06	09	15
486-3M-	486	162	06	09	15
495-3M-	495	165	06	09	15
510-3M-	510	170	06	09	15
513-3M-	513	171	06	09	15
522-3M-	522	174	06	09	15
531-3M-	531	177	06	09	15
537-3M-	537	179	06	09	15
564-3M-	564	188	06	09	15
570-3M-	570	190	06	09	15
576-3M-	576	192	06	09	15
579-3M-	579	193	06	09	15
582-3M-	582	194	06	09	15
597-3M-	597	199	06	09	15

3M - CROSS SECTION		BELT WIDTH			
Part Number	Length (mm)	Number of teeth	6mm	9mm	15mm
600-3M-	600	200	06	09	15
633-3M-	633	211	06	09	15
648-3M-	648	216	06	09	15
669-3M-	669	223	06	09	15
711-3M-	711	237	06	09	15
735-3M-	735	245	06	09	15
738-3M-	738	246	06	09	15
756-3M-	756	252	06	09	15
804-3M-	804	268	06	09	15
882-3M-	882	294	06	09	15
945-3M-	945	315	06	09	15
1062-3M-	1062	354	06	09	15
1125-3M-	1125	375	06	09	15
1245-3M-	1245	415	06	09	15
1263-3M-	1263	421	06	09	15
1500-3M-	1500	500	06	09	15
1530-3M-	1530	510	06	09	15
1863-3M-	1863	621	06	09	15

5M HTD

5M - CROSS SECTION		BELT WIDTH			
Part Number	Length (mm)	Number of teeth	9mm	15mm	25mm
180-5M-	180	36	09	15	25
225-5M-	225	45	09	15	25
235-5M-	235	47	09	15	25
245-5M-	245	49	09	15	25
255-5M-	255	51	09	15	25
265-5M-	265	53	09	15	25
270-5M-	270	54	09	15	25
280-5M-	280	56	09	15	25
285-5M-	285	57	09	15	25
295-5M-	295	59	09	15	25
300-5M-	300	60	09	15	25
305-5M-	305	61	09	15	25
325-5M-	325	65	09	15	25
345-5M-	345	69	09	15	25
350-5M-	350	70	09	15	25
375-5M-	375	75	09	15	25
400-5M-	400	80	09	15	25
420-5M-	420	84	09	15	25
425-5M-	425	85	09	15	25
450-5M-	450	90	09	15	25

5M - CROSS SECTION		BELT WIDTH			
Part Number	Length (mm)	Number of teeth	9mm	15mm	25mm
420-5M-	420	84	09	15	25
425-5M-	425	85	09	15	25
450-5M-	450	90	09	15	25
455-5M-	455	91	09	15	25
460-5M-	460	92	09	15	25
465-5M-	465	93	09	15	25
475-5M-	475	95	09	15	25
490-5M-	490	98	09	15	25
500-5M-	500	100	09	15	25
525-5M-	525	105	09	15	25
535-5M-	535	107	09	15	25
565-5M-	565	113	09	15	25
575-5M-	575	115	09	15	25
580-5M-	580	116	09	15	25
600-5M-	600	120	09	15	25
610-5M-	610	122	09	15	25
615-5M-	615	123	09	15	25
635-5M-	635	127	09	15	25
640-5M-	640	128	09	15	25
670-5M-	670	134	09	15	25

5M HTD CONTINUED

5M - CROSS SECTION		BELT WIDTH			
Part Number	Length (mm)	Number of teeth	9mm	15mm	25mm
675-5M-	675	135	09	15	25
700-5M-	700	140	09	15	25
705-5M-	705	141	09	15	25
710-5M-	710	142	09	15	25
725-5M-	725	145	09	15	25
740-5M-	740	148	09	15	25
750-5M-	750	150	09	15	25
755-5M-	755	151	09	15	25
800-5M-	800	160	09	15	25
835-5M-	835	167	09	15	25
850-5M-	850	170	09	15	25
890-5M-	890	178	09	15	25
900-5M-	900	180	09	15	25
935-5M-	935	187	09	15	25
940-5M-	940	188	09	15	25
950-5M-	950	190	09	15	25
980-5M-	980	196	09	15	25
1000-5M-	1000	200	09	15	25
1025-5M-	1025	205	09	15	25
1050-5M-	1050	210	09	15	25

5M - CROSS SECTION		BELT WIDTH			
Part Number	Length (mm)	Number of teeth	9mm	15mm	25mm
1100-5M-	1100	220	09	15	25
1125-5M-	1125	225	09	15	25
1135-5M-	1135	227	09	15	25
1195-5M-	1195	239	09	15	25
1200-5M-	1200	240	09	15	25
1240-5M-	1240	248	09	15	25
1270-5M-	1270	254	09	15	25
1420-5M-	1420	284	09	15	25
1500-5M-	1500	300	09	15	25
1595-5M-	1595	319	09	15	25
1605-5M-	1605	321	09	15	25
1690-5M-	1690	338	09	15	25
1790-5M-	1790	358	09	15	25
1800-5M-	1800	360	09	15	25
1870-5M-	1870	374	09	15	25
1895-5M-	1895	379	09	15	25
1945-5M-	1945	389	09	15	25
2000-5M-	2000	400	09	15	25
2250-5M-	2250	450	09	15	25
2525-5M-	2525	505	09	15	25

8M HTD

8M - CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm
288-8M-	288	36	20	30	50	85
320-8M-	320	40	20	30	50	85
352-8M-	352	44	20	30	50	85
360-8M-	360	45	20	30	50	85
384-8M-	384	48	20	30	50	85
408-8M-	408	51	20	30	50	85
416-8M-	416	52	20	30	50	85
456-8M-	456	57	20	30	50	85
480-8M-	480	60	20	30	50	85
536-8M-	536	67	20	30	50	85
544-8M-	544	68	20	30	50	85
560-8M-	560	70	20	30	50	85
600-8M-	600	75	20	30	50	85
608-8M-	608	76	20	30	50	85
632-8M-	632	79	20	30	50	85
640-8M-	640	80	20	30	50	85
680-8M-	680	85	20	30	50	85
720-8M-	720	90	20	30	50	85

8M - CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm
760-8M-	760	95	20	30	50	85
800-8M-	800	100	20	30	50	85
840-8M-	840	105	20	30	50	85
880-8M-	880	110	20	30	50	85
896-8M-	896	112	20	30	50	85
920-8M-	920	115	20	30	50	85
960-8M-	960	120	20	30	50	85
1000-8M-	1000	125	20	30	50	85
1040-8M-	1040	130	20	30	50	85
1080-8M-	1080	135	20	30	50	85
1120-8M-	1120	140	20	30	50	85
1200-8M-	1200	150	20	30	50	85
1224-8M-	1224	153	20	30	50	85
1280-8M-	1280	160	20	30	50	85
1352-8M-	1352	169	20	30	50	85
1424-8M-	1424	178	20	30	50	85
1440-8M-	1440	180	20	30	50	85
1464-8M-	1464	183	20	30	50	85

8M HTD

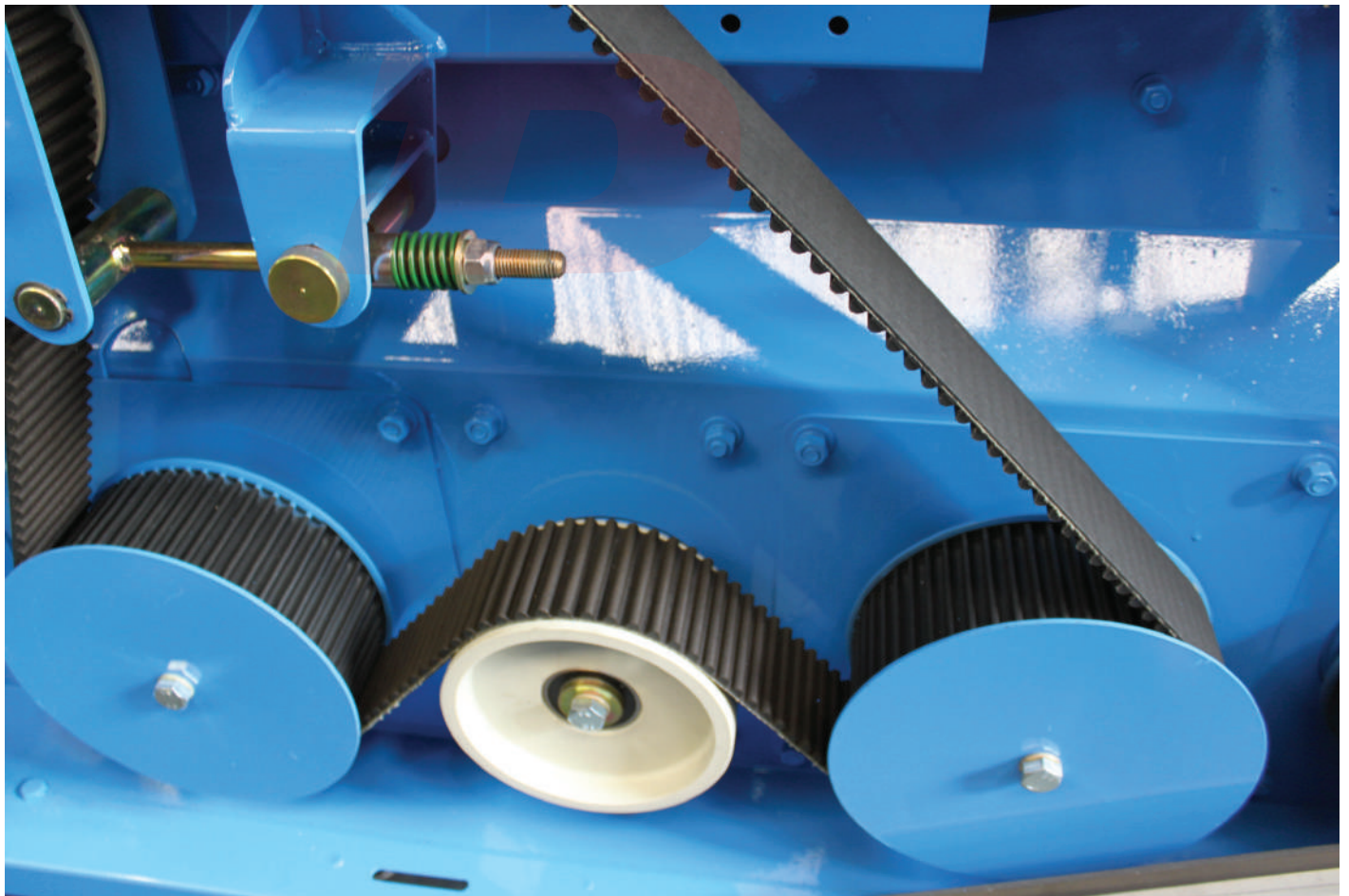
8M - CROSS SECTION			BELT WIDTH				8M - CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm	Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm
1200-8M-	1200	150	20	30	50	85	2000-8M-	2000	250	20	30	50	85
1224-8M-	1224	153	20	30	50	85	2200-8M-	2200	275	20	30	50	85
1280-8M-	1280	160	20	30	50	85	2240-8M-	2240	280	20	30	50	85
1352-8M-	1352	169	20	30	50	85	2272-8M-	2272	284	20	30	50	85
1424-8M-	1424	178	20	30	50	85	2400-8M-	2400	300	20	30	50	85
1440-8M-	1440	180	20	30	50	85	2520-8M-	2520	315	20	30	50	85
1464-8M-	1464	183	20	30	50	85	2600-8M-	2600	325	20	30	50	85
1512-8M-	1512	189	20	30	50	85	2800-8M-	2800	350	20	30	50	85
1600-8M-	1600	200	20	30	50	85	2840-8M-	2840	355	20	30	50	85
1680-8M-	1680	210	20	30	50	85	3048-8M-	3048	381	20	30	50	85
1760-8M-	1760	220	20	30	50	85	3280-8M-	3280	410	20	30	50	85
1792-8M-	1792	224	20	30	50	85	3600-8M-	3600	450	20	30	50	85
1800-8M-	1800	225	20	30	50	85	4000-8M-	4000	500	20	30	50	85
1904-8M-	1904	238	20	30	50	85	4400-8M-	4400	550	20	30	50	85

14M HTD

14M - CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	40mm	55mm	85mm	115mm	170mm
966-14M-	966	69	40	55	85	115	170
1092-14M-	1092	78	40	55	85	115	170
1106-14M-	1106	79	40	55	85	115	170
1120-14M-	1120	80	40	55	85	115	170
1190-14M-	1190	85	40	55	85	115	170
1260-14M-	1260	90	40	55	85	115	170
1288-14M-	1288	92	40	55	85	115	170
1344-14M-	1344	96	40	55	85	115	170
1400-14M-	1400	100	40	55	85	115	170
1442-14M-	1442	103	40	55	85	115	170
1568-14M-	1568	112	40	55	85	115	170
1610-14M-	1610	115	40	55	85	115	170
1750-14M-	1750	125	40	55	85	115	170
1764-14M-	1764	126	40	55	85	115	170
1778-14M-	1778	127	40	55	85	115	170
1848-14M-	1848	132	40	55	85	115	170
1890-14M-	1890	135	40	55	85	115	170
1904-14M-	1904	136	40	55	85	115	170
1960-14M-	1960	140	40	55	85	115	170
2100-14M-	2100	150	40	55	85	115	170
2240-14M-	2240	160	40	55	85	115	170
2310-14M-	2310	165	40	55	85	115	170
2380-14M-	2380	170	40	55	85	115	170
2450-14M-	2450	175	40	55	85	115	170

14M HTD CONTINUED

14M - CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	40mm	55mm	85mm	115mm	170mm
2590-14M-	2590	185	40	55	85	115	170
2660-14M-	2660	190	40	55	85	115	170
2800-14M-	2800	200	40	55	85	115	170
2968-14M-	2968	212	40	55	85	115	170
3150-14M-	3150	225	40	55	85	115	170
3360-14M-	3360	240	40	55	85	115	170
3500-14M-	3500	250	40	55	85	115	170
3850-14M-	3850	275	40	55	85	115	170
3920-14M-	3920	280	40	55	85	115	170
4326-14M-	4326	309	40	55	85	115	170
4410-14M-	4410	315	40	55	85	115	170
4578-14M-	4578	327	40	55	85	115	170
4956-14M-	4956	354	40	55	85	115	170





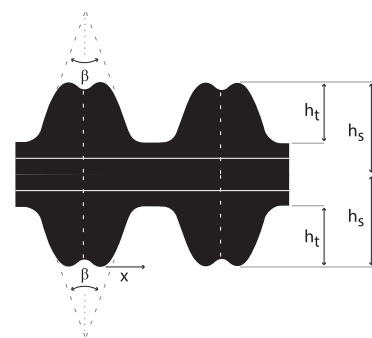
HTD TIMING BELTS 'DD'

Description

The new HTD parabolic profile is deeper than the equivalent competitors standard tooth profile. The increased depth and sturdiness of the tooth results in an increased torque transmission capability and reduced interference during meshing. The recess in the top of the tooth allows local deformation of the belt when meshing with the pulley, and this contributes to the ability to absorb shock loads and reduced interference during meshing. Other benefits include a reduction in transmission noise, an increase in tooth jump resistance, an increase in power transmitted and an increase resistance to tooth shear.

Part numbers are identified by a 3 or 4 digit number (e.g. 960) which represents the pitch length in mm, a number and letter (e.g. 8M) the belts pitch and a 2 or 3 digit number (e.g. 30) the belts width. 960-8M-30 DD etc.

Belt type	Pitch	β	h_s	h_t
8M	8mm	32°	5.40	3.46
14M	14mm	32°	9.70	6.10



8M DD HTD

8M - DD CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm
560-8M-DD	560	70	20	30	50	85
600-8M-DD	600	75	20	30	50	85
608-8M-DD	608	76	20	30	50	85
632-8M-DD	632	79	20	30	50	85
640-8M-DD	640	80	20	30	50	85
680-8M-DD	680	85	20	30	50	85
720-8M-DD	720	90	20	30	50	85
760-8M-DD	760	95	20	30	50	85
800-8M-DD	800	100	20	30	50	85
840-8M-DD	840	105	20	30	50	85
880-8M-DD	880	110	20	30	50	85
896-8M-DD	896	112	20	30	50	85
920-8M-DD	920	115	20	30	50	85
960-8M-DD	960	120	20	30	50	85
1000-8M-DD	1000	125	20	30	50	85
1040-8M-DD	1040	130	20	30	50	85
1080-8M-DD	1080	135	20	30	50	85
1120-8M-DD	1120	140	20	30	50	85
1200-8M-DD	1200	150	20	30	50	85
1224-8M-DD	1224	153	20	30	50	85
1280-8M-DD	1280	160	20	30	50	85
1352-8M-DD	1352	169	20	30	50	85
1424-8M-DD	1424	178	20	30	50	85

8M - DD CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm
1440-8M-DD	1440	180	20	30	50	85
1464-8M-DD	1464	183	20	30	50	85
1512-8M-DD	1512	189	20	30	50	85
1600-8M-DD	1600	200	20	30	50	85
1680-8M-DD	1680	210	20	30	50	85
1760-8M-DD	1760	220	20	30	50	85
1792-8M-DD	1792	224	20	30	50	85
1800-8M-DD	1800	225	20	30	50	85
1904-8M-DD	1904	238	20	30	50	85
2000-8M-DD	2000	250	20	30	50	85
2200-8M-DD	2200	275	20	30	50	85
2240-8M-DD	2240	280	20	30	50	85
2272-8M-DD	2272	284	20	30	50	85
2400-8M-DD	2400	300	20	30	50	85
2520-8M-DD	2520	315	20	30	50	85
2600-8M-DD	2600	325	20	30	50	85
2800-8M-DD	2800	350	20	30	50	85
2840-8M-DD	2840	355	20	30	50	85
3048-8M-DD	3048	381	20	30	50	85
3280-8M-DD	3280	410	20	30	50	85
3600-8M-DD	3600	450	20	30	50	85
4000-8M-DD	4000	500	20	30	50	85
4400-8M-DD	4400	550	20	30	50	85

14M DD HTD

14M - DD CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	40mm	55mm	85mm	115mm	170mm
966-14M-DD	966	69	40	55	85	115	170
1092-14M-DD	1092	78	40	55	85	115	170
1106-14M-DD	1106	79	40	55	85	115	170
1120-14M-DD	1120	80	40	55	85	115	170
1190-14M-DD	1190	85	40	55	85	115	170
1260-14M-DD	1260	90	40	55	85	115	170
1288-14M-DD	1288	92	40	55	85	115	170
1344-14M-DD	1344	96	40	55	85	115	170
1400-14M-DD	1400	100	40	55	85	115	170
1442-14M-DD	1442	103	40	55	85	115	170
1568-14M-DD	1568	112	40	55	85	115	170
1610-14M-DD	1610	115	40	55	85	115	170
1750-14M-DD	1750	125	40	55	85	115	170
1764-14M-DD	1764	126	40	55	85	115	170
1778-14M-DD	1778	127	40	55	85	115	170
1848-14M-DD	1848	132	40	55	85	115	170
1890-14M-DD	1890	135	40	55	85	115	170
1904-14M-DD	1904	136	40	55	85	115	170
1960-14M-DD	1960	140	40	55	85	115	170
2100-14M-DD	2100	150	40	55	85	115	170
2240-14M-DD	2240	160	40	55	85	115	170
2310-14M-DD	2310	165	40	55	85	115	170
2380-14M-DD	2380	170	40	55	85	115	170
2450-14M-DD	2450	175	40	55	85	115	170
2590-14M-DD	2590	185	40	55	85	115	170
2660-14M-DD	2660	190	40	55	85	115	170
2800-14M-DD	2800	200	40	55	85	115	170
2968-14M-DD	2968	212	40	55	85	115	170
3150-14M-DD	3150	225	40	55	85	115	170
3360-14M-DD	3360	240	40	55	85	115	170
3500-14M-DD	3500	250	40	55	85	115	170
3850-14M-DD	3850	275	40	55	85	115	170
3920-14M-DD	3920	280	40	55	85	115	170
4326-14M-DD	4326	309	40	55	85	115	170
4410-14M-DD	4410	315	40	55	85	115	170
4578-14M-DD	4578	327	40	55	85	115	170
4956-14M-DD	4956	354	40	55	85	115	170