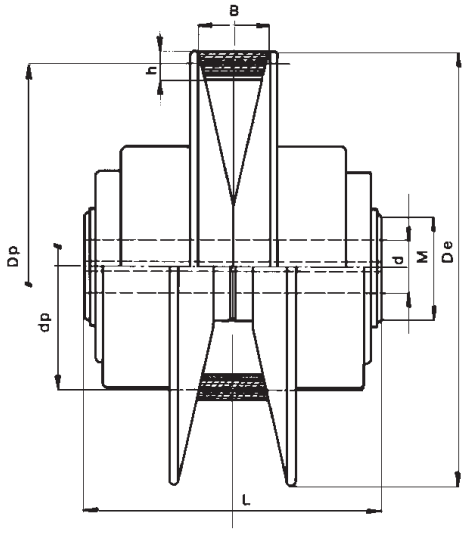
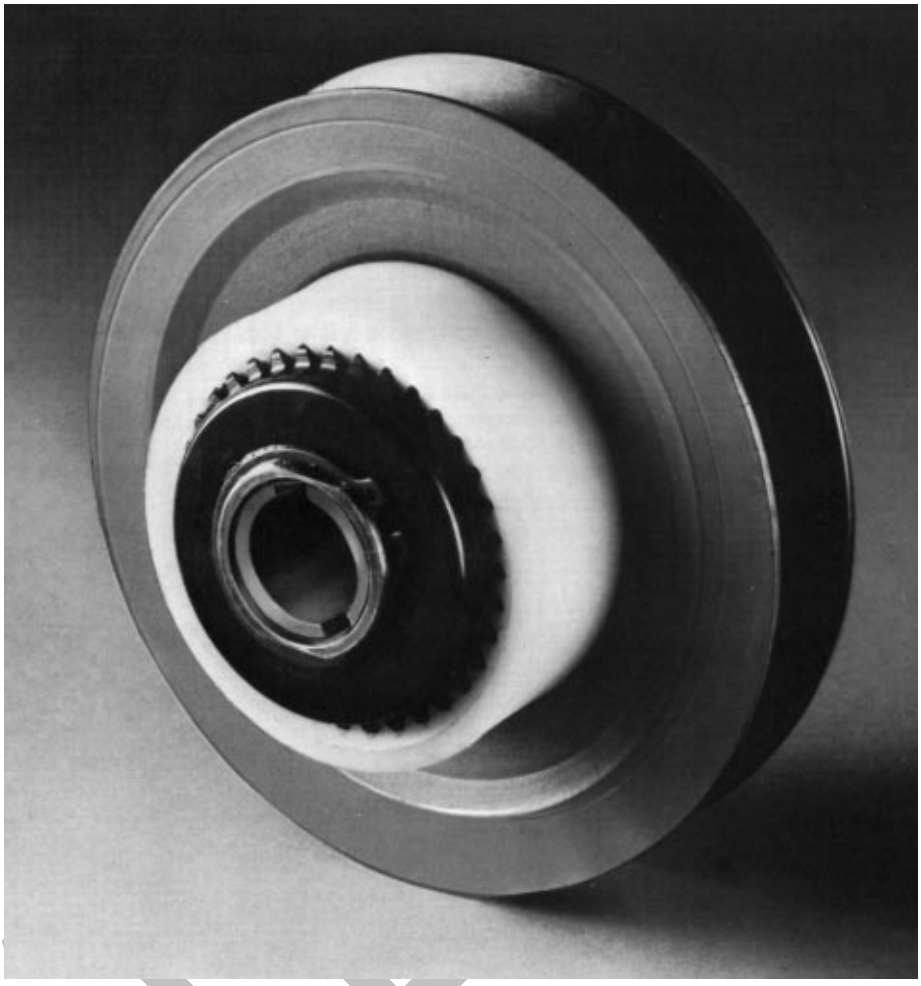
DIMENSIONS AND PERFORMANCES





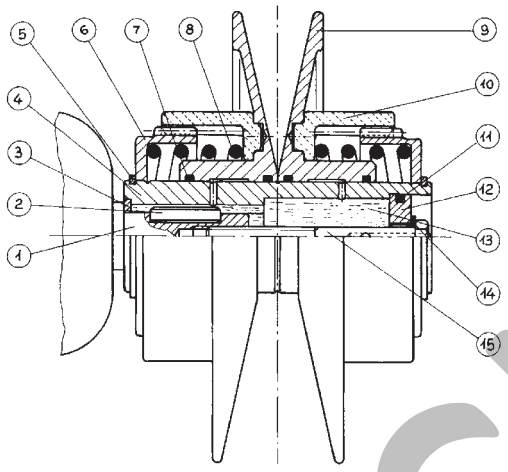
TYPE	Power [kW]				Belt			Hub and bores		Variation range	Weight
	750 [rpm]	1000 [rpm]	1500 [rpm]	3000 [rpm]	B x h [mm]	De L [mm]	dw max min Dp dp [mm]	M (1) d (2) [mm]	Finished bores (3) [mm]	1:	[kg]
VAR 100	0,25	0,33	0,5	1	13 x 6	100 65	97 37	23 10	11-12-14-16	2,61	0,900
VAR 130	0,37	0,5	0,75	1,5	22 x 8	130 88	126 46	27 10	14-18-19	2,73	1,690
VAR 160	0,75	1	1,5	3	28 x10	160 115	155 60	34 10	18-19-22-24	2,58	3,250
VAR 190	1,75	2,3	3,5	7	36 x12	190 131	184 65	39 10	19-22-24-25-28	2,83	4,850
VAR 240	2,75	3,65	5,5	—	46 x 13	240 170	233 72	43 10	24-25-28-32	3,22	8,600
VAR 300	5	6,6	10	—	54 x 16	300 200	292 91	54 10	32-38-42	3,21	15,000

(1) Steel hub diameter

(2) H 11 tolerance pilot bore

(3) H 7 tolerance on finished bores complete with keyway to UNI standard

INSTALLATION INSTRUCTIONS



ITEM POSITION	DESCRIPTION
1	Motor shaft
2	Key
3	Aluminium seal washer
4	Pulley shaft
5	Stop ring
6	Toothed bushing
7	OR packing
8	Spring
9	Flange
10	SM/23 resin sleeve
11	OR packing
12	Steel washer
13	Lubrication grease
14	Aluminium seal washer
15	Screw

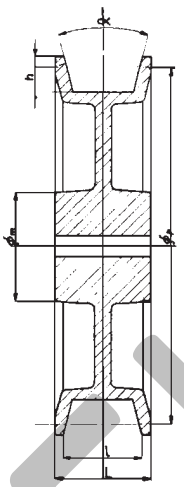
	DESCRIPTION
1	Take off the key (2) from the motor shaft (1).
2	Assemble the aluminium seal washer (3) on the motor shaft (1).
3	Reassemble the key (2) on the motor shaft (1).
4	Assemble the pulley.
5	Lock the pulley on the motor shaft (1) by means of the screw (15), not forgetting to insert the aluminium seal washer (14).
6	**IMPORTANT** Fill up the grease chamber with the lubrication grease (13). Thick grease is preferred.

FISATECH

DRIVEN PULLEYS

Driven pulleys are expressly designed to be used with VAR pulleys.



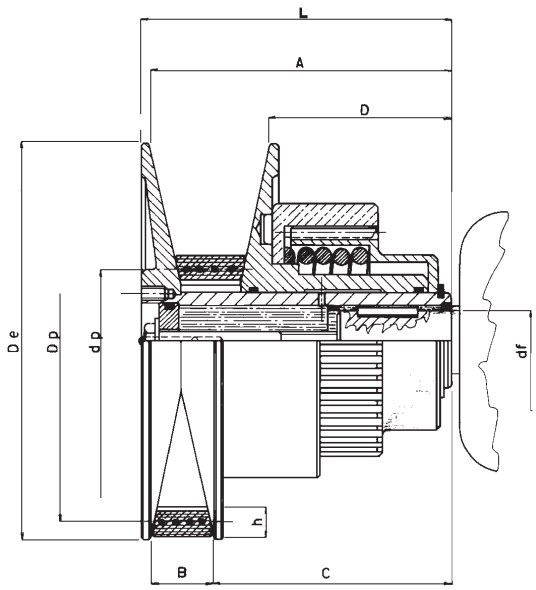


TYPE	FISSA 100	FISSA 130	FISSA 16	FISSA 190	FISSA 240	FISSA 300
α	**25°**	**25°**	**25°**	**28°**	**28°**	**28°**
h [mm]	**12**	**16**	**18**	**20**	**26**	**32**
l [mm]	**13**	**22**	**28**	**36**	**46**	**54**
L [mm]	**20**	**26**	**32**	**43**	**52**	**70**
øp [mm]	øm [mm]	øm [mm]	øm [mm]	øm [mm]	øm [mm]	øm [mm]
80	30	30	35	—	—	—
90	35	38	38	—	—	—
100	35	38	38	—	—	—
112	40	42	42	50	—	—
125	40	46	46	54	—	—
140	40	48	48	54	55	—
160	45	48	48	60	68	—
170	45	55	55	62	70	—
180	50	58	58	68	75	80
200	50	68	68	70	78	82
224	60	70	70	70	85	90
250	60	70	75	75	88	92
280	60	70	78	78	90	92
315	60	80	80	80	90	100
355	—	85	90	90	90	95
400	—	—	90	90	90	95
450	—	—	—	90	95	95
500	—	—	—	—	95	105

FISATECH

VARIABLE SPEED PULLEYS “MONO”

DIMENSIONS AND PERFORMANCES





TYPE	POWER TRANSMITTED AT RPM [kW]			De [mm]	dp [mm]	Dp [mm]	L [mm]	A [mm]	C-D [mm]	B * h [mm]	Dp / dp
	750	1000	1500								
MONO 100	0,25	0,33	0,50	100	39	97	73	71	10,0	13 * 6	2,49
MONO 130	0,37	0,50	0,75	130	48	126	102	98	17,5	22 * 8	2,63
MONO 160	0,75	1,00	1,50	160	55	155	114	111	22,0	28 * 10	2,82
MONO 190	1,75	2,30	3,50	190	66	184	147	144	29,0	36 * 12	2,79
MONO 240	2,75	3,65	5,50	240	73	233	160	157	40,0	46 * 13	3,19

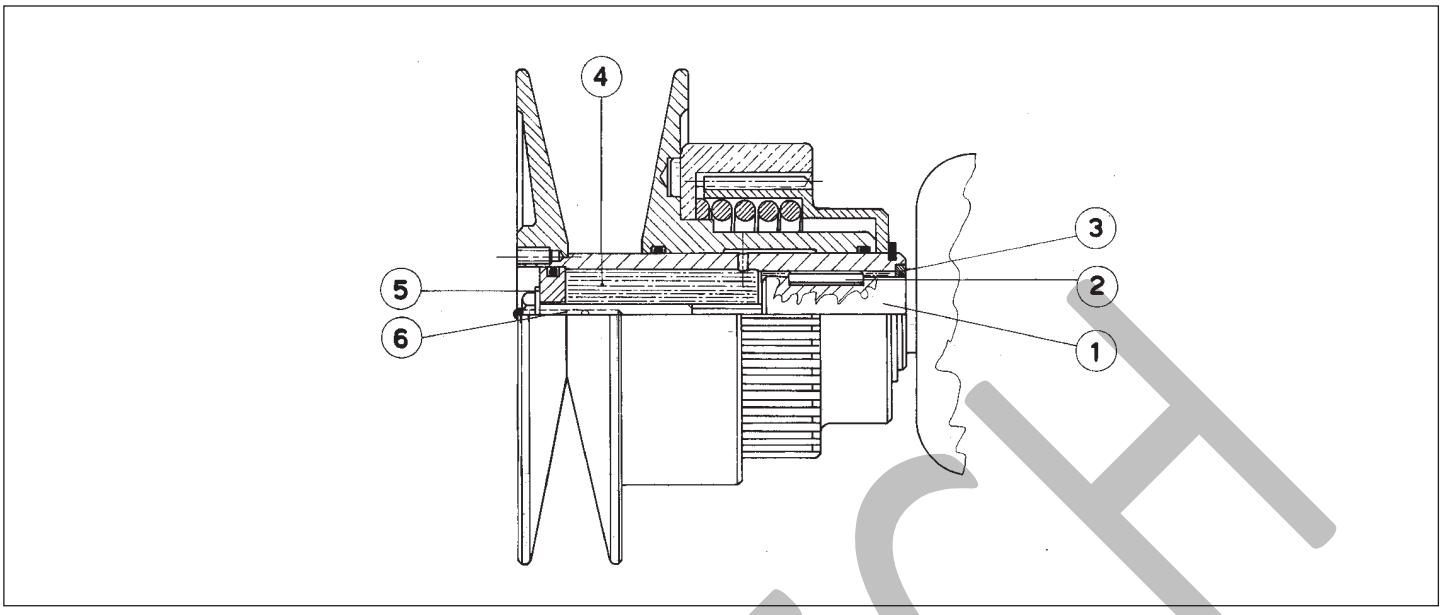
Note: the ratio “Dp / dp” represents the variation range.

“MONO” pulleys are available with the following bores:

TYPE	df [mm]					
MONO 100	10	11	12	14	16	
MONO 130	12	14	16	18	19	
MONO 160	14	16	18	19	22	24
MONO 190	18	19	22	24	25	28
MONO 240	22	24	25	28	32	

FISATECH

INSTALLATION INSTRUCTIONS



ITEM	DESCRIPTION
1	Motor shaft
2	Key
3	Aluminium seal washer
4	Lubrication grease
5	Aluminium seal washer
6	Screw

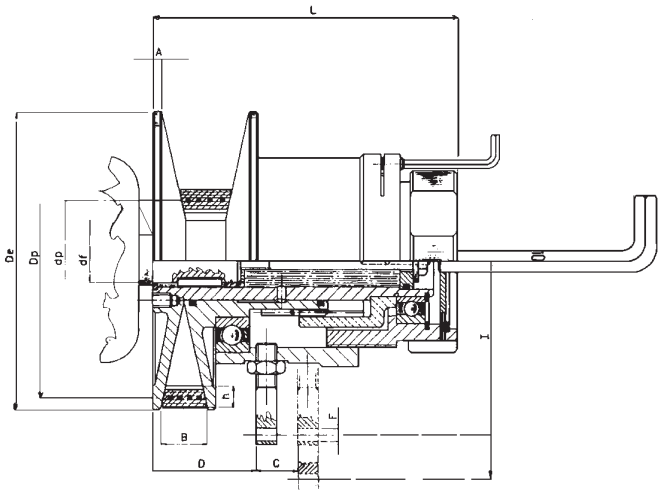
N° OPER.	DESCRIPTION
1	Take off the key (2) from the motor shaft (1).
2	Assemble the aluminium seal washer (3) on the motor shaft (1).
3	Reassemble the key (2) on the motor shaft (1).
4	Lock the pulley on the motor
	shaft (1) by means of the screw (6), not forgetting to insert the aluminium seal washer (5).
5	**IMPORTANT** Fill up the grease chamber with the lubrication grease (4). Thick grease is preferred.

FISATECH

VARIABLE SPEED PULLEYS “VOL”

(to be used in combination with MONO)

DIMENSIONS ET PERFORMANCES





TYPE	POWER TRANSMITTED AT RPM [kW]			De [mm]	dp [mm]	Dp [mm]	L [mm]	A [mm]	C [mm]	D [mm]	F [mm]	I min / I max	B * h [mm]	Dp / dp
	750	1000	1500											
VOL 100	0,25	0,33	0,50	100	39	97	100	2	10,0	32,0	8	59/66	13 * 6	2,49
VOL 130	0,37	0,50	0,75	130	48	126	132	2,5	17,5	38,5	8	74/82	22 * 8	2,63
VOL 160	0,75	1,00	1,50	160	55	155	152	3	22,0	48,0	8	89/100	28 * 10	2,82
VOL 190	1,75	2,30	3,50	190	66	184	179,5	3	29,0	56,0	8	104/112	36 * 12	2,79
VOL 240	2,75	3,65	5,50	240	73	233	213,5	3	40,0	67,0	8	129/137	46 * 13	3,19

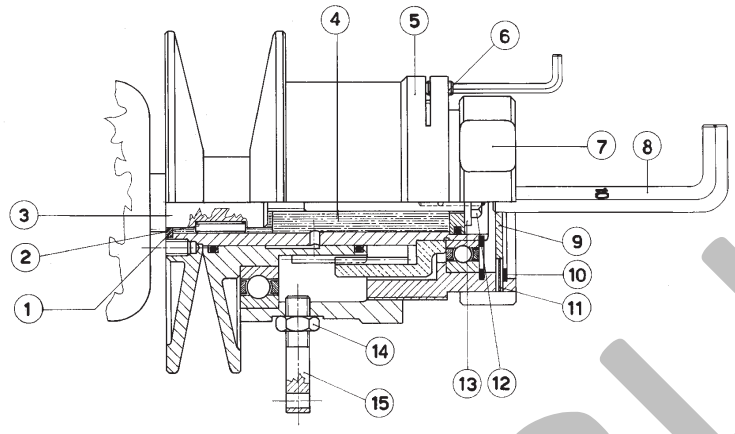
Note: the ratio “Dp / dp” represents the variation range.

“VOL” pulleys are available with the following bores:

TYPE	df [mm]					
VOL 100	10	11	12	14	16	
VOL 130	12	14	16	18	19	
VOL 160	14	16	18	19	22	24
VOL 190	18	19	22	24	25	28
VOL 240	22	24	25	28	32	

FISATECH

INSTALLATION INSTRUCTIONS



ITEM	DESCRIPTION
1	Aluminium seal washer
2	Key
3	Motor shaft
4	Lubrication grease
5	Adjustment device
6	Grub screw
7	Hand wheel
8	Wrench
9	Plate
10	Pin circlip
11	Spring pin
12	Screw
13	Aluminium seal washer
14	Screw nut
1 5	Pin

N° OPER.	DESCRIPTION
1	Take off the key (2) from the motor shaft (3).
2	Assemble the aluminium seal washer (3) on the motor shaft (1).
3	Reassemble the key (2) on the motor shaft (3).
4	Assemble the pulley
5	Lock the pulley on the motor shaft (3) by means of the screw (12), not forgetting to insert the aluminium seal washer (13).
6	**IMPORTANT** Flill up the grease chamber with the lubrication grease (4). Thick grease is preferred.
7	Constrain the adjustment device to an external structure by means of the appropriate pin (15), which is adjustable in height (14).

FISATECH

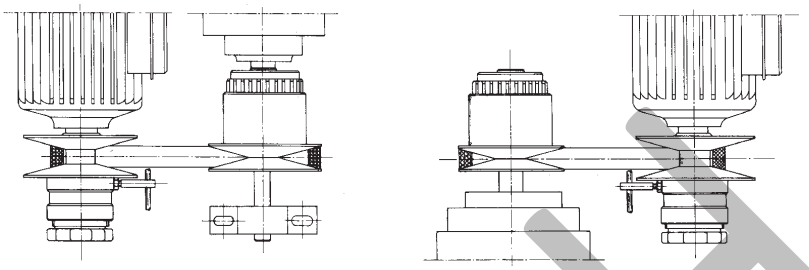
ADJUSTMENT

Variable speed pulleys VOL can be adjusted handly by means of the handwheel (7), or remotely by means of the plate (9).
The speed variation is simply obtained carrying out the following operations, while the drive is working:

1) Unclamp the adjustment device (5) by means of the grub screw (6).
2) Operate the handwheel (7), or the wrench (8) of the plate (9), until the desired speed is obtained.
3) Clamp the adjustment device (5) by means of the grub screw (6).

NOTE
The packing already includes the remote adjustment device.
A correct installation is simply obtained carrying out the following operations:
1) Insert the plate (9);
2) Assemble the spring pin (11) in the appropriate cut, and then clamp using the pin circlip (10).

CENTER DISTANCES
Center distances calculated with pulleys VOL-MONO and belts indicated at next page:



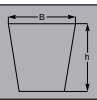
BELT INSIDE LENGTH [mm]	VOL - MONO 100	VOL - MONO 130	VOL - MONO 160	VOL - MONO 190	VOL - MONO 240
	• BELT SECTION [mm] •				
	13 x 6	22 x 8	28 x 10	36 x 12	46 x 13
	CENTER DISTANCES IN mm				
550	182	154	—	—	—
600	208	180	—	—	—
650	233	206	178	—	—
700	258	231	204	—	—
750	283	256	230	—	—
800	308	282	255	227	—
850	334	307	281	253	—
900	359	332	306	278	—
950	384	357	332	304	—
1000	409	383	357	330	279
1060	439	413	387	360	310
1120	469	443	417	390	341
1180	499	473	448	421	372
1250	534	508	483	456	408
1320	569	543	518	491	443
1400	609	583	558	532	484
1500	659	633	608	582	535
1600	709	684	659	632	585
1700	759	734	709	682	636
1800	809	784	759	733	686
2000	910	884	859	833	787

FISATECH

VARIABLE SPEED V-BELTS

BELT LENGHTS
All the indicated sections can be supplied in following inside length (Sv.i.).

LEGENDA
Sv.i. = inside length
Sv.pr. = pitch legth

SECTION  Bxh [mm]	13x6*	22x8*	28x8 28x10*	36x10 36x12*	46x12 46x13* 46x14	50x14 54x16*	70x20
VAR(100÷300) , MONO (100÷240) , VOL (100÷240)	100	130	160	190	240	300	—

*Recommended sizes



BELT SECTION	13x6	22x8 28x8	28x10 36x10	36x12 46x12	46x14 54x14	54x16	70x20	46x13	
Sv.i. [mm]	Sv.pr. [mm]							Sv.i. [mm]	Sv.pr. [mm]
400	—	—	—	—	—	—	—	—	—
425	455	—	—	—	—	—	—	—	—
450	480	—	—	—	—	—	—	—	—
475	505	—	—	—	—	—	—	—	—
500	530	540	—	—	—	—	—	—	—
525	555	560	—	—	—	—	—	—	—
550	580	590	—	—	—	—	—	—	—
560	590	600	—	—	—	—	—	—	—
575	605	610	—	—	—	—	—	—	—
600	630	640	650	655	—	—	—	—	—
625	655	660	670	680	—	—	—	—	—
630	660	670	680	—	—	—	—	—	—
650	680	690	700	705	—	—	—	—	
670	700	710	720	—	—	—	—	—	—
675	705	715	730	—	—	—	—	—	—
700	730	740	750	755	—	—	—	—	—
710	740	750	760	765	—	—	—	—	—
725	755	760	770	780	—	—	—	—	
750	780	790	800	805	—	—	—	—	—
770	800	810	820	825	—	—	—	795	855
775	805	815	830	830	—	—	—	845	905
790	820	820	840	845	—	—	—	—	
800	830	840	850	855	860	—	—	870	930
820	850	860	870	875	880	—	—	895	955
850	880	890	900	905	910	—	—	945	1005
900	930	940	950	955	960	—	—	995	1055
950	980	990	1000	1005	1010	1025	—	1025	1085
960	990	1000	1010	1015	1020	1035	—	1055	1115
1000	1030	1040	1050	1055	1060	1075	—	1115	1175
1050	1080	1090	1100	1105	1110	1125	—	1140	1200
1060	1090	1100	1110	1115	1120	1135	—	1155	1215
1100	1130	1140	1150	1155	1160	1175	—	1175	1235
1120	1150	1160	1170	1175	1180	1195	—	1190	1250
1150	1180	1190	1200	1205	1210	1225	—	1245	1305
1180	1210	1220	1230	1235	1240	1255	—	1265	1325
1200	1230	1240	1250	1255	1260	1275	—	1315	1375
1225	1255	1260	1270	1280	1285	1300	—	1395	1455
1250	1280	1290	1300	1305	1310	1325	1345	1430	1490
1320	1350	1360	1370	1375	1380	1395	1415	1490	1550
1350	1380	1390	1400	1405	1410	1425	1445	1560	1620
1400	1430	1440	1450	1455	1460	1475	1495	1595	1655
1500	—	1540	1550	1555	1560	1575	1595	1635	1695
1600	—	1640	1650	1655	1660	1675	1695	1695	1755
1700	—	1740	1750	1755	1760	1775	1795	1735	1795
1800	—	1840	1850	1855	1860	1875	1895	1795	1855
1900	—	1940	1950	1955	1960	1975	1995	1895	1955
2000	—	2040	2050	2055	2060	2075	2095	1915	1975
2120	—	2160	2170	2175	2180	2195	2215	2000	2060
2240	—	2280	2290	2295	2300	2315	2335	2060	2120
2360	—	—	2410	2415	2420	2435	2455	2120	2180
								2210	2270
2500	—	—	2550	2555	2560	2575	2595	2240	2300
2800	—	—	—	—	—	—	2895	2360	2420
3150	—	—	—	—	—	—	3245	2400	2460
3210	—	—	—	—	—	—	3305	2500	2560
3520	—	—	—	—	—	—	3615	2800	2860

FISATECH