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### Price List Info:

- (1) EUR Incl VAT = EUROPE Price privat customers
- (2) EUR excl VAT = EUROPE Company & Export Price Outside EU.
- (3) USD \$ = Export Price Outside EU (**USD \$ can change daily**)

## Price list RF HAMDESIGN B.V.

Date: January 2019 (V2.0)

**All prices are subject to change without notice**

### RF HAMDESIGN ships daily World Wide

		EURO Incl VAT (1)	EURO Excl. VAT (2)	USD \$ Export Price (3)
<b>DISH KIT: with 6mm square mesh, without feed</b> (Max. freq. 6GHz) Available F/D= 0.35 / 0.40 / 0.45 / 0.50				
*Do It Your Self MESH DISH KIT, Including: 3-leg feed support, milled center, mast clamp, rivets, all nuts and bolts and mesh				
FPD 1M0 KIT	Mesh dish 1meter diameter (option available 2.8mm sq mesh / max 11GHz, <b>add EUR 24,00</b> )	€ 230,00	€ 190,00	\$218,50
FPD 1M2 KIT	Mesh dish 1,2meter diameter (option available 2.8mm sq mesh / max 11GHz, <b>add EUR 32,00</b> )	€ 265,00	€ 219,00	\$251,85
FPD 1M5 KIT	Mesh dish 1,5meter diameter (option available 2.8mm sq mesh / max 11GHz, <b>add EUR 52,00</b> )	€ 326,00	€ 269,00	\$309,35
FPD 1M9 KIT	Mesh dish 1,9meter diameter (option available 2.8mm sq mesh / max 11GHz, <b>add EUR 65,00</b> )	€ 395,00	€ 326,00	\$374,90
FPD 2M4 KIT	Mesh dish 2.4 meter diameter, available F/D= 0.5/0.45/0.40 (2.8mm sq mesh / max 11GHz, <b>add EUR 85,00</b> )	€ 783,00	€ 647,00	\$744,05
FPD 3M0 KIT	Mesh dish 3 meter diameter, available F/D=0.4/0.45 (2.8mm sq mesh / max 11GHz, <b>add EUR 150.00</b> )	€ 1.392,00	€ 1.150,00	\$1.322,50
FPD 3M0 KIT/6P	6-Petal Mesh dish 3 meter diameter, F/D=0.45 (2.8mm sq mesh / max 11GHz, <b>add EUR 150.00</b> )	€ 2.020,00	€ 1.669,42	\$1.919,83
FPD 3M0 KIT/6P/DIY	6-Petal Mesh dish 3 meter diam., <b>Shipped as DIY KIT</b> F/D=0.45 (2.8mm sq mesh 11GHz, <b>add EUR 150.00</b> )	€ 1.809,00	€ 1.495,00	\$1.719,25
FPD 4M5 KIT	Mesh dish 4.5 meter diameter, available F/D=0.45 (2.8mm sq mesh / max 11GHz, <b>add EUR 250.00</b> )	€ 2.511,00	€ 2.075,00	\$2.386,25
CLX-10	Adaptor Bracket if you want to mount a Mesh Dish on > 55mm diameter pole.	€ 45,00	€ 37,19	\$42,77
FPD-BR50	Fixed Dish mounting Bracket, can be fixed set to 0 - 90 degree elevation (1, 1.2, 1.5, 1.9Meter Dish)	€ 56,00	€ 46,28	\$53,22
MESH2.8MM	MESH 2.8mm sq / Max 11GHz, (size: 1Meter high - Max. length 25 meter) Price / Meter	€ 22,00	€ 18,00	\$20,70
<b>DISH KIT: Multi Band Mesh dish inc. RING Feed and 6mm square mesh F/D=0.45</b>				
*Do It Your Self MESH DISH KIT, Including: 3-leg feed support, milled center, mast clamp, feed clamp, rivets, all nuts and bolts and mesh				
FPD 1M0 DB KIT	1meter, DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 1 Connector type feed	€ 390,00	€ 322,31	\$370,66
FPD 1M0 2313 KIT	1meter DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 2 separate connector for each band	€ 412,00	€ 340,50	\$391,57

FPD 1M0 23139 KIT	1meter TRI BAND ring dish feed 23, 13 & 9cm (1296 & 2320 & 3400MHz) 3 separate conn. for each band	€ 432,00	€ 357,02	\$410,58
FPD 1M0 23136 KIT	1meter TRI BAND ring dish feed 23, 13 & 6cm (1296 & 2320 & 5760MHz) 3 separate conn for each band	€ 412,00	€ 340,50	\$391,57
FPD 1M2 DB KIT	1,2meter DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 1 Connector type feed	€ 425,00	€ 351,24	\$403,93
FPD 1M2 2313 KIT	1,2meter DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 2 separate connector for each band	€ 447,00	€ 369,42	\$424,83
FPD 1M2 23139 KIT	1,2meter TRI BAND ring dish feed 23, 13 & 9cm (1296 & 2320 & 3400MHz) 3 separate conn for each band	€ 467,00	€ 385,95	\$443,84
FPD 1M2 23136 KIT	1,2meter TRI BAND ring dish feed 23, 13 & 6cm (1296 & 2320 & 5760MHz) 3 separate conn for each band	€ 467,00	€ 385,95	\$443,84
FPD 1M5 DB KIT	1,5meter DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 1 Connector type feed	€ 486,00	€ 401,65	\$461,90
FPD 1M5 2313 KIT	1,5meter DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 2 separate connector for each band	€ 508,00	€ 419,83	\$482,81
FPD 1M5 23139 KIT	1,5meter TRI BAND ring dish feed 23, 13 & 9cm (1296 & 2320 & 3400MHz) 3 separate conn for each band	€ 528,00	€ 436,36	\$501,82
FPD 1M5 23136 KIT	1,5meter TRI BAND ring dish feed 23, 13 & 6cm (1296 & 2320 & 5760MHz) 3 separate conn for each band	€ 528,00	€ 436,36	\$501,82
FPD 1M9 DB KIT	1,9meter DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 1 Connector type feed	€ 555,00	€ 458,68	\$527,48
FPD 1M9 2313 KIT	1,9meter DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 2 separate connector for each band	€ 577,00	€ 476,86	\$548,39
FPD 1M9 23139 KIT	1,9meter TRI BAND ring dish feed 23, 13 & 9cm (1296 & 2320 & 3400MHz) 3 separate conn for each band	€ 597,00	€ 493,39	\$567,40
FPD 1M9 23136 KIT	1,9meter TRI BAND ring dish feed 23, 13 & 6cm (1296 & 2320 & 5760MHz) 3 separate conn for each band	€ 597,00	€ 493,39	\$567,40

**DISH KIT:10368MHz or 5760 MHz single band and Multi Band 10368 + 5760MHz MESH DISH, F/D=0.45 / 2.8 mm sq Mesh**

FPD 1M0 D KIT	1meter Mesh Dish KIT without dish feed, Gain 5760MHz = 30.4dBd / Gain 10368MHz = 35.7dBd	€ 254,00	€ 209,92	\$241,40
FPD 1M2 D KIT	1,2meter Mesh Dish KIT without dish feed, Gain 5760MHz = 31.9dBd / Gain 10368MHz = 37.3dBd	€ 297,00	€ 245,45	\$282,27
FPD 1M0 3 KIT	1meter Mesh Dish KIT & single band ring feed 3cm (10368MHz)	€ 364,00	€ 300,83	\$345,95
FPD 1M2 3 KIT	1,2meter Mesh Dish KIT & single band ring feed 3cm (10368MHz)	€ 407,00	€ 336,36	\$386,82
FPD 1M0 36 KIT	1meter Mesh Dish KIT & DUAL band ring feed 6 & 3cm (5760 & 10368MHz)	€ 421,00	€ 347,93	\$400,12
FPD 1M2 36 KIT	1,2meter Mesh Dish KIT & DUAL band ring feed 6 & 3cm (5760 10368MHz)	€ 464,00	€ 383,47	\$440,99

**DISH KIT: SINGLE Band Mesh dish incl horn feed and 6mm square mesh 23cm / 13cm / 9cm / 6cm Band (F/D=0.45)**

\*Do It Your Self MESH DISH KIT, Including: 3-leg feed support, milled center, mast clamp, feed clamp, rivets, all nuts and bolts and mesh

FPD 1M2 23 KIT	23cm Mesh dish 1,2meter diameter	€ 483,00	€ 399,17	\$459,05
FPD 1M5 23 KIT	23cm Mesh dish 1,5meter diameter	€ 544,00	€ 449,59	\$517,02
FPD 1M9 23 KIT	23cm Mesh dish 1,9meter diameter	€ 613,00	€ 506,61	\$582,60
FPD 1M0 13 KIT	13cm Mesh dish 1meter diameter	€ 424,00	€ 350,41	\$402,98
FPD 1M2 13 KIT	13cm Mesh dish 1,2meter diameter	€ 459,00	€ 379,34	\$436,24
FPD 1M5 13 KIT	13cm Mesh dish 1,5meter diameter	€ 520,00	€ 429,75	\$494,21
FPD 1M9 13 KIT	13cm Mesh dish 1,9meter diameter	€ 589,00	€ 486,78	\$559,79
FPD 1M0 9 KIT	9cm Mesh dish 1meter diameter	€ 412,00	€ 340,50	\$391,57
FPD 1M2 9 KIT	9cm Mesh dish 1,2meter diameter	€ 447,00	€ 369,42	\$424,83
FPD 1M5 9 KIT	9cm Mesh dish 1,5meter diameter	€ 508,00	€ 419,83	\$482,81
FPD 1M9 9 KIT	9cm Mesh dish 1,9meter diameter	€ 577,00	€ 476,86	\$548,39
FPD 1M0 6 KIT	6cm Mesh dish 1meter diameter	€ 383,00	€ 316,53	\$364,01
FPD 1M2 6 KIT	6cm Mesh dish 1,2meter diameter	€ 418,00	€ 345,45	\$397,27
FPD 1M5 6 KIT	6cm Mesh dish 1,5meter diameter	€ 479,00	€ 395,87	\$455,25

FPD 1M9 6 KIT	6cm Mesh dish 1,9meter diameter	€ 548,00	€ 452,89	\$520,83
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#### DISH KIT PARTS:

FPD RIVETER	Hand riveter for use with deliverd 4mm rivets DISH KIT (Hand riveter made by ETC-Tools)	€ 27,00	€ 22,00	\$25,30
SPID-ADAPT	SPID Adaption plate for use to mount rotor on base plate in tower.	€ 39,00	€ 32,00	\$36,80
FPD-BR01	SPID BIG-RAS rotator mounting bracket Rotator <> DISH	€ 149,00	€ 123,00	\$141,45
FPD-BR02	SPID RAS rotator mounting bracket Rotator <> DISH	€ 124,00	€ 102,00	\$117,30
FPD-BR03	SPID BIG-RAS/HR rotator mounting bracket Rotator <> 4M5 DISH incl mounting pipe	€ 196,00	€ 161,50	\$185,73
FPD-BR50	Fixed Mesh Dish mounting Bracket (1, 1.2, 1.5, 1.9Meter Dish)	€ 56,00	€ 46,28	\$53,22
CLX-10	Adaptor Bracket if you want to mount a Mesh Dish on > 55mm diameter pole.	€ 45,00	€ 46,28	\$42,77

#### DISH FEEDS

FPF HORN 23	Horn feed 23cm for F/D=0.45, water proof, N-connector F, 50 ohm, max 1Kw (ex <b>CLX1</b> )	€ 188,00	€ 155,00	\$178,25
FPF HORN 13	Horn feed 13cm for F/D=0.45, water proof, N-Connector F, 50 ohm, max 1Kw (ex CLX1)	€ 164,00	€ 135,00	\$155,25
FPF HORN 9	Horn feed 9cm for F/D=0.45, water proof, N-Connector F, 50 ohm, max 1Kw (ex CLX2)	€ 152,00	€ 125,00	\$143,75
FPF HORN 6	Horn feed 6cm for F/D=0.45, water proof, N-Connector F, 50 ohm, max 1Kw (ex CLX2)	€ 123,00	€ 101,00	\$116,15
FPF HORN 3	Horn feed 3cm for F/D=0.4, delivererd inc. Teflon cap, SMA-Connector F, 50 ohm, (ex CLX2)	€ 121,00	€ 100,00	\$115,00
10HG2	Offset Dish Horn feed 10368MHz for F/D=0.6-0.7, Full CNC machined, WR90 input	€ 165,00	€ 136,00	\$156,40
24HG2	Offset Dish Horn feed 24 GHz for F/D=0.6-0.7, Full CNC machined, WR42 input	€ 165,00	€ 136,00	\$156,40
CLX1	Clamp for mounting the HORN / HELIX / RING feed in front of the dish	€ 30,00	€ 24,00	\$27,60
CLX2	Clamp for mounting the HORN feed (9/6/3cm), RING feed (6/3cm) in front of the dish	€ 30,00	€ 24,00	\$27,60
FPF RDB	DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 1 Connector type feed (ex <b>CLX1</b> )	€ 130,00	€ 107,00	\$123,05
FPF R2313	DUAL BAND ring dish feed 23 and 13cm (1296 & 2320MHz) 2 separate connector for each band (ex <b>CLX1</b> )	€ 152,00	€ 125,00	\$143,75
FPF R23139	TRI BAND ring dish feed 23, 13 & 9cm (1296 & 2320 & 3400MHz) 3 separate conn. for each band (ex <b>CLX1</b> )	€ 172,00	€ 142,00	\$163,30
FPF R23136	TRI BAND ring dish feed 23, 13 & 6cm (1296 & 2320 & 5760MHz) 3 separate conn. for each band (ex <b>CLX1</b> )	€ 172,00	€ 142,00	\$163,30
FPF R963	TRI BAND ring dish feed 3, 6 & 9 cm (10368, 5760 & 3400 MHz) 3 separate conn. for each band (ex <b>CLX1</b> )	€ 172,00	€ 142,00	\$163,30
FPF R231363	4 BAND ring dish feed 23, 13, 6 & 3 cm (1296, 2320, 5760 & 10368 MHz) 4 sep. Connector (ex CLX1)	€ 199,00	€ 164,00	\$188,60
FPF R231396	4 BAND ring dish feed 23, 13, 9 & 6 cm (1296, 2320, 3400 & 5760 MHz) 4 sep. Connector (ex CLX1)	€ 199,00	€ 164,00	\$188,60
FPF R2313963	5 BAND ring dish feed 23, 13, 9, 6 & 3 cm (1296, 2320, 3400, 5760 & 10368 MHz) 5 sep. Connector (ex CLX1)	€ 229,00	€ 189,26	\$217,64
FPF R3	SINGLE BAND ring dish feed 3cm (10368MHz) ATV freq available (ex <b>CLX2</b> )	€ 80,00	€ 66,00	\$75,90
FPF R6	SINGLE BAND ring dish feed 6cm (5760MHz) (ex <b>CLX2</b> )	€ 80,00	€ 66,00	\$75,90
FPF R36	DUAL BAND ring dish feed 3 & 6cm (5760 & 10368MHz) 2 separate SMA conn. for each band (ex <b>CLX2</b> )	€ 137,00	€ 113,00	\$129,95
LH-13XL	LHCP or RHCP HELIX dish feed 2.1 - 2.7GHz N-Connector, also available for other freq. (need clamp: CLX1)	€ 121,00	€ 100,00	\$115,00
LH-23XL	LHCP or RHCP HELIX dish feed 1.4 - 1.8GHz N-Connector, also available for other freq. (need clamp: CLX1)	€ 121,00	€ 100,00	\$115,00
LH-ISS	LHCP HELIX ISS HAM TV Dish feed 2.4 - 2.5 GHz (need clamp: CLX1)	€ 121,00	€ 100,00	\$115,00
CIR-1296	Dual Mode LHCP / RHCP Dish feed, tuned at 1296MHz, RX & TX N-Connector (F) (need clamp: CLX-05)	€ 229,00	€ 189,00	\$217,35
CIR-1296/OPT1	Dual Mode LHCP / RHCP Dish feed, tuned at 1296MHz, TX 7/16-DIN / RX N-Conn. (F) need clamp: CLX-05	€ 244,00	€ 201,00	\$231,15
CIR-1700	Dual Mode LHCP / RHCP Dish feed, can be tuned from 1650 to 1750 MHz, RX & TX N-Connector (F) (need clamp: Cl	€ 229,00	€ 189,00	\$217,35
CIR-2320	Dual Mode LHCP / RHCP Dish feed, tuned at 2320MHz, RX & TX N-Connector (F) (need clamp: CLX-06)	€ 179,00	€ 147,50	\$169,63

CIR-3400	Dual Mode LHCP / RHCP Dish feed, tuned at 3400MHz, RX & TX N-Connector (F)	€ 149,00	€ 123,14	\$141,61
CIR-8500	Dual Mode LHCP / RHCP Dish feed, tuned between 9-10GHz, SMA-Connector (F) (Need bracket CLX-8500)	€ 475,00	€ 392,56	\$451,44
CIR-103	Dual Mode LHCP / RHCP Dish feed, tuned between 9.5-11GHz, SMA-Connector (F) (Need bracket CLX-103)	€ 475,00	€ 392,56	\$451,44
CLX-05	Dish Feed Bracket, CNC milled, ready to place CIR-1296 in front of the dish using 4-leg support	€ 164,00	€ 135,00	\$155,25
CLX-06	Dish Feed Bracket, CNC milled, ready to place CIR-2320 in front of the dish using 4-leg support	€ 149,00	€ 123,00	\$141,45
CLX-06/A	Dish Feed Bracket, CNC Milled, Used to place CIR-2320 in front of the dish into CLX-05 bracket	€ 125,00	€ 103,00	\$118,45
CLX-07	Dish Feed Bracket, CNC milled, ready to place CIR-1700 in front of the dish using 4-leg support	€ 164,00	€ 135,00	\$155,25
CLX-08	Dish Feed Bracket, CNC milled, ready to place CIR-3400 in front of the dish using 4-leg support	€ 149,00	€ 123,14	\$141,61
CLX-8500	Dish Feed Bracket, CNC milled, ready to place CIR-8500 in front of the dish using 4-leg support	€ 149,00	€ 123,14	\$141,61
CLX-103	Dish Feed Bracket, CNC milled, ready to place CIR-103 in front of the dish using 4-leg support	€ 149,00	€ 123,14	\$141,61

#### ELAD Communications

SNA-2550	ELAD compact P.C. based Scalar Network Analyzer from 100 kHz to 2.5 GHz.	€ 1.490,00	€ 1.231,00	\$1.415,65
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#### 3dB Hybrid Ring Couplers

FPQ RING23	23cm 3dB Hybrid RING coupler, max 1kW, N-Female in Milled aluminium housing	€ 167,00	€ 138,00	\$158,70
FPQ RING13	13cm 3dB Hybrid RING coupler, max 1kW, N-Female in Milled aluminium housing	€ 152,00	€ 125,00	\$143,75
FPQ RING9	9cm 3dB Hybrid RING coupler, max 1kW, SMA-Female in Milled aluminium housing	€ 121,00	€ 100,00	\$115,00

#### Directional couplers N-Connector & 7/16DIN Model

FPR 144	Directional coupler, 144 – 432MHz, Max 1.5kW, 2x N-Connector female	€ 99,00	€ 81,00	\$93,15
FPR 432	Directional coupler, 432 - 2320MHz, Max 1.5kW, 2x N-Connector female	€ 99,00	€ 81,00	\$93,15
FPR HP7/16	High Power Directional coupler, 50 - 3000MHz, Max 2.5kW @ 3GHz, 7/16-DIN Female / Female	€ 119,00	€ 98,00	\$112,70
FPR HP7/16M	High Power Directional coupler, 50 - 3000MHz, Max 2.5kW @ 3GHz, 7/16-DIN Female / Male	€ 119,00	€ 98,00	\$112,70
C-30NF	700 - 2800 MHz Calibrated Directional coupler / 30dB Flat Output coupling / N-Connector Female !! NEW !!	€ 99,00	€ 81,00	\$93,15
C-40NF	700 - 2800 MHz Calibrated Directional coupler / 40dB Flat Output coupling / N-Connector Female !! NEW !!	€ 99,00	€ 81,00	\$93,15
C-30-7/16	700 - 2800 MHz Calibrated Directional coupler / 30dB Flat Output coupling / 7/16 DIN Female !! NEW !!	€ 119,00	€ 98,00	\$112,70
C-40-7/16	700 - 2800 MHz Calibrated Directional coupler / 40dB Flat Output coupling / 7/16 DIN Female !! NEW !!	€ 119,00	€ 98,00	\$112,70

#### Antenna power splitters (Available for each freq. Between 50MHz up to 2500MHz)

\* Made of brass, Connectors soldered, Waterproof, all splitters available with 7/16-Din female connector @ input

FPP 2W50	2 way 6m antenna power splitter, ¼ wl, N-Connector female	€ 152,00	€ 125,00	\$143,75
FPP 2W144	2 way 2m antenna power splitter, ¼ wl, N-Connector female	€ 63,00	€ 52,00	\$59,80
FPP 3W144	3 way 2m antenna power splitter, ¼ wl, N-Connector female	€ 69,00	€ 57,00	\$65,55
FPP 4W144	4 way 2m antenna power splitter, ½ wl, N-Connector female	€ 115,00	€ 95,00	\$109,25
FPP 6W/144	6 way 2m antenna power splitter, ½ wl, N-Connector female	€ 128,00	€ 105,00	\$120,75
FPP 8W/144	8 way 2m antenna power splitter, ½ wl, N-Connector female	€ 141,00	€ 116,00	\$133,40
FPP 2W432	2 way 70cm antenna power splitter, ¼ wl, N-Connector female	€ 60,00	€ 49,00	\$56,35
FPP 3W432	3 way 70cm antenna power splitter, ¼ wl, N-Connector female	€ 66,00	€ 54,00	\$62,10

FPP 4W432	4 way 70cm antenna power splitter, ½ wl, N-Connector female	€ 90,00	€ 74,00	\$85,10
FPP 6W432	6 way 70cm antenna power splitter, ½ wl, N-Connector female	€ 102,00	€ 84,00	\$96,60
FPP 8W432	8 way 70cm antenna power splitter, ½ wl, N-Connector female	€ 114,00	€ 94,00	\$108,10
FPP 2W1296	2 way 23cm antenna power splitter, ¼ wl, N-Connector female	€ 55,00	€ 45,00	\$51,75
FPP 3W1296	3 way 23cm antenna power splitter, ¼ wl, N-Connector female	€ 61,00	€ 50,00	\$57,50
FPP 4W1296	4 way 23cm antenna power splitter, ½ wl, N-Connector female	€ 78,00	€ 64,00	\$73,60
FPP 6W1296	6 way 23cm antenna power splitter, ½ wl, N-Connector female	€ 90,00	€ 74,00	\$85,10
FPP 8W1296	8 way 23cm antenna power splitter, ½ wl, N-Connector female	€ 102,00	€ 84,00	\$96,60
FPP 7/16F	7/16 DIN female connector at input, add .....	€ 15,00	€ 12,00	\$13,80
FPP 7/16M	7/16 DIN MALE connector at input, add .....	€ 20,00	€ 16,38	\$18,84
FPP N-MALE	N-Connector Male at input, add .....	€ 11,00	€ 9,00	\$10,35

### SPID Standard Antenna ROTATOR incl Controller

SPID RAU	SPID AZ (hor.) ant rotor, incl. controller, build in interface, mouse, software, USB cable, (=Light Version RAK)	€ 495,00	€ 409,00	\$470,35
SPID RAK	SPID AZ (hor.) ant. rotor, incl. controller, build in USB interface, mouse, software, USB cable	€ 649,00	€ 536,00	\$616,40
SPID BIG-RAK	SPID AZ (hor.) antenna rotor, incl. controller, build in interface, mouse, software, USB cable	€ 960,00	€ 793,00	\$911,95
SPID RAS	SPID AZ & EL (hor. + vert.) antenna rotor, incl. controller, build in interface, mouse, software, USB cable	€ 1.099,00	€ 908,00	\$1.044,20
SPID BIG-RAS	SPID AZ & EL (hor. + vert.) antenna rotor, incl. controller, build in interface, mouse, software, USB cable	€ 1.549,00	€ 1.280,00	\$1.472,00
SPID RAEL	SPID EL (Vertical) antenna rotor, incl. controller (USB) and mouse	€ 649,00	€ 536,00	\$616,40
CC4-001/25	Control cable 4-core 4x1,5sq.mm, for Single-Axes SPID Rotators, Available in 25, 50, 75 & 100Meter length, 25mtr price =	€ 66,00	€ 54,54	\$62,72
CC8-001/25	Control cable 8-core 8x1,5sq.mm, for Dual-Axes SPID Standard Rotators, in 25, 50, 75 & 100Meter length, 25mtr price =	€ 110,00	€ 90,90	\$104,54
PW32015	Power Supply Unit 18 Volt / 20 Amp, For use with SPID RAS & BIG-RAS Standard rotators	€ 119,00	€ 98,00	\$112,70
PW15015LC	Power Supply Unit 13.5 - 16,5 Volt / 10 Amp DC, For use with SPID RAU, RAK, BIG-RAK & RAEL Rotators	€ 46,00	€ 38,00	\$43,70

### SPID High Resolution Rotator System incl Controller

SPID RAK/HR	SPID AZ (hor.) antenna rotor, incl. controller, type MD-02, build in interface, software, !! NEW!!	€ 950,00	€ 785,00	\$902,75
SPID BIG-RAK/HR	SPID AZ (hor.) antenna rotor, incl. controller, type MD-02, build in interface, software, !! NEW!!	€ 1.245,00	€ 1.028,92	\$1.183,26
SPID RAS/HR	SPID AZ & EL (hor. + vert.) antenna rotor, incl. controller, type MD-02, build in interface, software, !! NEW!!	€ 1.435,00	€ 1.185,95	\$1.363,84
SPID BIG-RAS/HR	SPID AZ & EL (hor. + vert.) antenna rotor, incl. controller, type MD-01, build in interface, software, !! NEW!!	€ 1.859,00	€ 1.536,00	\$1.766,40
SPID MD-01	SPID MD-01 rotor controller, incl build in track interface, software, USB cable (only controller)	€ 430,00	€ 355,00	\$408,25
SPID MD-02	SPID MD-02 rotor controller, incl build in track interface, software, USB cable !! NEW !! (only controller)	€ 430,00	€ 355,00	\$408,25
SPID PS-01	SPID Dual Voltage Power Supply, for use with SPID rotor and MD-01 !! NEW !!	€ 486,00	€ 401,65	\$461,90
SPID PS-02	SPID Dual Voltage Power Supply, for use with SPID rotor and MD-02 !! NEW !!	€ 486,00	€ 401,65	\$461,90
SPID ET	MD-01 Ethernet Module, ready to build into MD-01 or MD-02 controller	€ 60,00	€ 49,00	\$56,35
SPID MOUSE	SPID Mouse for use with MD-01 or MD-02 controller (2 Ax control possible)	€ 25,00	€ 20,00	\$23,00
MD-X15	SPID Connector Set. Spare / Extra Connector set MD-0X or PS-0X	€ 15,00	€ 12,40	\$14,26
SPID SW-01	SPID BIG-RAS/HR switch module, type SW-01 (19" model)	€ 253,00	€ 209,00	\$240,35

SPID UG-2	SPID UPGRADE SET for RAS and BIG-RAS to High Resolution rotor incl MD-01 or MD-02 controller	€ 545,00	€ 450,00	\$517,50
SPID UG-1	SPID UPGRADE SET for RAK and BIG-RAK to High Resolution rotor incl MD-01 or MD-02 controller	€ 520,00	€ 429,00	\$493,35
CC8-004/25	Control Sensor cable for all SPID /HR Rotators 8-core 8x0,2sq.mm, Max 25 meter Length **	€ 42,00	€ 34,00	\$39,10
CC4-001/25	Control cable 4-core 4x1,5sq.mm, for all SPID /HR rotators motor control, Available in 25, 50, 75 & 100Meter length, 25mtr price =	€ 66,00	€ 54,54	\$62,72
CC6-003/50	** Sensor Control Cable Screened, needed if control cable longer than 25 meter Available 50 or 100 meter lengths. For use with all SPID High Res. Rotators. Price = 50 meter = 3x2core screened - DUAL AXES ROTOR	€ 136,00	€ 112,00	\$128,80
CC6-002/50	** Sensor Control Cable Screened, needed if control cable longer than 25 mtr Available 50 or 100 mtr lengths. For use with all SPID High Res. Rotators. Price = 50 meter = 2x2core screened - SINGLE AXES ROTOR	€ 91,00	€ 75,00	\$86,25

#### SPID Available Options

SPID-ADAPT	SPID Adaption plate for use to mount rotor on base plate in tower.	€ 39,00	€ 32,00	\$36,80
FPD-BR01	SPID BIG-RAS rotator mounting bracket Rotator <> DISH	€ 149,00	€ 123,00	\$141,45
FPD-BR02	SPID RAS rotator mounting bracket Rotator <> DISH	€ 124,00	€ 102,00	\$117,30
FPD-BR03	SPID BIG-RAS/HR rotator mounting bracket Rotator <> 4M5 DISH incl mounting pipe	€ 196,00	€ 161,50	\$185,73
UA-01	XXL Heavy Duty Rotor Bracket, suitable SPID RAS rotor, supplied incl. Counter Weight Arms	€ 449,00	€ 371,00	\$426,65
UA-02	XXL Heavy Duty Rotor Bracket, suitable SPID BIG-RAS rotor, supplied incl. Counter Weights Arms	€ 479,00	€ 395,50	\$454,83

#### SPX Azimuth & Elevation Antenna Rotator System incl Controller

SPX-361	Light Rotor, AZIMUTH incl. controller, built in track interface (USB), software, USB cable, mouse.	€ 398,00	€ 328,50	\$377,78
SPX-362	Medium Duty Rotor, AZIMUTH incl. controller, built in track interface (USB), software, USB cable, mouse.	€ 429,00	€ 354,00	\$407,10
SPX-X05	SPX Connector Set. Spare / Extra Connector set SPX-361 or SPX-362	€ 6,00	€ 4,96	\$5,70
SPX-01	Light Rotor, AZIMUTH & Elevation, Incl. controller, built in track interface (USB), software, USB cable, mouse.	€ 690,00	€ 570,25	\$655,78
SPX-01/HR	Light /HR Rotor, Azimuth & Elevation incl. controller MD-01 or MD-02 (Resolution 0.2 dgr)	€ 989,00	€ 817,36	\$939,96
SPX-02	Medium Duty Rotor, AZIMUTH & Elevation incl. controller, built in track interface (USB), software, USB cable, mouse.	€ 775,00	€ 640,50	\$736,57
SPX-02/HR	Medium Duty /HR Rotor, Azimuth & Elevation incl. controller MD-01 or MD-02 (Resolution 0.2 dgr)	€ 1.074,00	€ 887,60	\$1.020,74
SPX-X10	SPX Connector Set. Spare / Extra Connector set SPX-01 or SPX-02	€ 12,00	€ 9,92	\$11,41
SPX-03	Heavy Duty Standard Rotor, Azimuth & Elevation incl. controller Rot2Prog (resolution 0.5 dgr)	€ 1.199,00	€ 990,91	\$1.139,55
SPX-03/HR	Heavy Duty /HR Rotor, Azimuth & Elevation incl. controller MD-01 or MD-02 (Resolution 0.2 dgr)	€ 1.498,00	€ 1.238,02	\$1.423,72
SPID PS-01	Dual Voltage Power Supply, for use with SPX-0X/HR rotor and MD-01	€ 486,00	€ 401,65	\$461,90
SPID PS-02	Dual Voltage Power Supply, for use with SPX-0X/HR rotor and MD-02	€ 486,00	€ 401,65	\$461,90
SPID ET	MD-01 Ethernet Module, ready to build into MD-01 or MD-02 controller	€ 60,00	€ 49,00	\$56,35
SPID MOUSE	Mouse for use with MD-01 or MD-02 controller (2 Ax control possible)	€ 25,00	€ 20,00	\$23,00
MD-X15	SPID Connector Set. Spare / Extra Connector set MD-0X or PS-0X	€ 15,00	€ 12,40	\$14,26
PW15015	Power Supply Unit 13.5 - 16,5 Volt / 10 Amp DC, For use with SPX Standard Azimuth rotators	€ 46,00	€ 38,00	\$43,70
PW32015	Power Supply Unit 18 Volt / 20 Amp, For use with SPX Standard Azimuth & Elevation rotators	€ 119,00	€ 98,00	\$112,70
PSU-1228	Power Supply Unit 9 - 15 Volts / 20 Amp DC, For use with all SPX Standard AZ and AZ&EL rotators (Desktop)	€ 89,00	€ 73,55	\$84,59
CC4-001/25	Control cable 4-core 4x1,5sq.mm, for <b>NON/HR</b> Single Axes and <b>/HR</b> Dual-Ax, SPX rotators: Available in 25, 50, 75 & 100Meter length, 25mtr price =	€ 66,00	€ 54,54	\$62,72

CC8-001/25	Control cable 8-core 8x1,5sq.mm, for all <b>Dual-Axes SPX Standard Rotators</b> , Available in 25, 50, 75 & 100Meter length, 25mtr price =	€ 110,00	€ 90,90	\$104,54
CS4-001/25	Sensor Control cable Screened 4-core 4x0,25sq.mm, for all <b>SPX-0X/HR rotators</b> , Available in 25, 50, 75 & 100Meter length, Note: 2 length needed for dual exes rotor, 25mtr price =	€ 35,00	€ 28,93	\$33,26
BR-20	SPX Heavy Duty Mast Pole Bracket, SPX-03 (This Bracket is used to mount the rotor bottom up / top down)	€ 109,00	€ 90,08	\$103,59
CWA-05	SPX Counter weight Arms, used for SPX-03	€ 109,00	€ 90,08	\$103,59
PLATE-03	SPX Mast Pole Mount Base, used for SPX-01 and SPX-02	€ 29,00	€ 23,97	\$27,56
PLATE-50	SPX Mast Pole Mount Base, used for SPX-03	€ 69,00	€ 57,02	\$65,57
PLATE-04	SPX Heavy Duty Mast Pole Mount Head Unit or Mount Base, used for SPX-01 and SPX-02	€ 35,00	€ 28,93	\$33,26
PLATE-05	SPX AZ Medium Duty Mast Pole Mount Head Unit, used for SPX-361 and SPX-362	€ 35,00	€ 28,93	\$33,26
GS-065	Thrust bearing for mast diameters up to 65 mm, 8 nuts, double ball bearing design, fits to PLATE-03	€ 65,00	€ 53,72	\$61,78
ARM-02	Used to mount @ side of the SPX AZ/EL rotor, SPX-01 and SPX-02	€ 29,00	€ 23,97	\$27,56
SPX MB-90/1	Mobile Tilt Rotor, 12 Volts DC, Incl control panel and mounting hardware	€ 295,00	€ 243,00	\$279,45
SPX MB-90/2	Mobile Tilt Rotor, 12 Volts DC, Incl control panel and mounting hardware	€ 330,00	€ 272,00	\$312,80

#### SPID RING Rotator System Incl Controller

RING-01/HR	SPID RING Rotator, incl. controller, type MD-01 or MD-02, build in interface, software, !! NEW!!	€ 1.795,00	€ 1.483,00	\$1.705,45
RING-01	SPID RING Rotator, incl. controller, type Rot1Prog, build in interface, software, !! NEW!!	€ 1.695,00	€ 1.400,50	\$1.610,58
RING-02/HR	SPID RING Rotator, incl. controller, type MD-01 or MD-02, build in interface, software, !! NEW!!	€ 1.895,00	€ 1.566,00	\$1.800,90
RING-02	SPID RING Rotator, incl. controller, type Rot1Prog, build in interface, software, !! NEW !!	€ 1.795,00	€ 1.483,00	\$1.705,45

#### Portable Tripod (four-legged frame) is suitable for both stationary and mobile applications.

STR-01	Tripod, Max hight 670 – 830mm / Max load 30kg	€ 450,00	€ 371,50	\$427,23
STR-02	4-legged frame, Max hight 1708mm / Max load 100kg	€ 1.489,00	€ 1.230,58	\$1.415,17
STR-03	4-legged frame, Max hight 1500-2500mm / Max load 100kg	€ 1.725,00	€ 1.425,00	\$1.638,75
STR-04	Tripod frame, hight mm / Max load 100kg	€ 1.489,00	€ 1.230,58	\$1.415,17

#### Antenna Rotator Interface (ARS)

ARS USB/AZ	ARS-USB Azimuth Unit <b>NEW !!</b>	€ 161,00	€ 133,00	\$152,95
ARS USB/AZ&EL	ARS-USB Azimuth & Elevation Unit <b>NEW !!</b>	€ 233,00	€ 192,00	\$220,80
ARS Old model AZ	ARS-Azimuth Interface Old model PCB. (view pcs left)	€ 90,00	€ 74,00	\$85,10

#### Omnidirectinal sector waveguide antenna

SL2320	2300 - 2400 MHz Slotted Waveguide Antenna	€ 152,00	€ 125,00	\$143,75
SL2320-xx	Slotted Waveguide Antennas frequency at request		mail	

#### 23cm (1296MHz) Power Aplifier

FPC 23PAD	23cm Cavity P.A. , suitable for 2x 2C39BA, 10W in / 150W out, needs 1200Volts DC (Sold Out)	€ 264,00	€ 218,00	\$250,70
FPC 23PAE	23cm Cavity P.A. , suitable for 2C39BA, 5W in / 75W out, needs 1200Volts DC	€ 239,00	€ 197,00	\$226,55

FPC 23TUBE	2C39 PULLS, tested incl measurement report at 1296 MHz (Sold out)	€ 23,00	€ 19,00	\$21,85
FPC 23BIAS	Bias circuit 2x 2C39 cavity P.A. (Sold out)	€ 30,00	€ 24,00	\$27,60
FPC 23COV	Aluminium cover over cavity PA, ready to use together with centr blower. (Sold Out)	€ 25,00	€ 20,00	\$23,00
FPC 23BLOW	Centrifugal blower, 12V/3A, Speed 3300 min. Air volume 4m3/min.	€ 45,00	€ 37,00	\$42,55
FPC 23WAT01	2C39 Water cool jacket applied for 6mm tube, slider type (Sold Out)	€ 22,00	€ 18,00	\$20,70
FPC 23WAT02	2C39 Water cool jacket applied for 6mm tube, screw type. (M10 or M12 x 1) (Sold Out)	€ 31,00	€ 25,00	\$28,75
FPC 23SLUG	23cm Slug tuner, N-male / N-female, Max 1kW	€ 80,00	€ 66,00	\$75,90
FPC 13SLUG	13cm Slug tuner, N-male / N-female, Max 1kW	€ 80,00	€ 66,00	\$75,90
FPC PARTS	Teflon foil / Fingertstock / Teflon rod available, see <b>PARTS chapter</b>			

### HIGH POWER LOW PASS FILTERS

LPF144	144MHz High Power Low Pass filter, 7/16DIN connector 1*male / 1*female	€ 212,00	€ 175,00	\$201,25
LPF144/F	144MHz High Power Low Pass filter, 7/16DIN connector 2*Female	€ 207,00	€ 171,00	\$196,65
LPF432	432MHz High Power Low Pass filter, 7/16DIN connector 1*male / 1*female	€ 201,00	€ 166,00	\$190,90
LPF432/F	432MHz High Power Low Pass filter, 7/16DIN connector 2*Female	€ 197,00	€ 162,00	\$186,30
LPF144N	144MHz High Power Low Pass filter, N-connector 1*male / 1*female	€ 201,00	€ 166,00	\$190,90
LPF144/FN	144MHz High Power Low Pass filter, N-connector 2*Female	€ 197,00	€ 162,00	\$186,30
LPF432N	432MHz High Power Low Pass filter, N-connector 1*male / 1*female	€ 192,00	€ 158,00	\$181,70
LPF432/FN	432MHz High Power Low Pass filter, N-connector 2*Female	€ 187,00	€ 154,00	\$177,10

### 70cm and 2M RF-DECK PARTS

FPC 70CIL	Extra Cool cilinder, add-on GS-35B (Brass)	€ 27,00	€ 22,00	\$25,30
FPC 70PART1	Load and tune part, incl. N-connector (All Brass) 70cm (432MHz)	€ 79,00	€ 65,00	\$74,75
FPC 70PART2	GS-35 ADD-ON cilinder, a connection for a round Anode line (Brass)	€ 70,00	€ 57,50	\$66,13
FPC 2PART1	Load and tune part, incl. N-connector (All Brass) 2m (144MHz)	€ 79,00	€ 65,00	\$74,75
FPC2M-7/16	Load Part, incl. 7/16 DIN connector Female (All Brass) 2m (144MHz)	€ 121,00	€ 100,00	\$115,00
FPC 70CM-7/16	Load Part, incl. 7/16 DIN connector Female (All Brass) 70CM (432MHz)	€ 121,00	€ 100,00	\$115,00

### Power supply - professional - closed module style

PW32027	Power Supply Unit 24-30Volt / 11.7Amp, (320W) Enclosed SALE PRICE !	€ 59,00	€ 48,00	\$55,20
PW15024	Power Supply Unit 21-26Volt / 6.5 Amp, (150W) Enclosed SALE PRICE !	€ 39,00	€ 32,00	\$36,80
PW50027	Power Supply Unit 24-30Volt / 18Amp (500W) Enclosed NEW !!	€ 172,00	€ 142,00	\$163,30
PW75027	Power Supply Unit 24-30Volt / 27,8Amp (750W), Enclosed NEW !!	€ 284,00	€ 234,00	\$269,10
PW150027	Power Supply Unit 24-30Volt / 56 Amp (1500W), Enclosed NEW !!	€ 528,00	€ 436,00	\$501,40
PW300024	Power Supply Unit 22-28Volt / 125Amp (3000W), Enclosed NEW !!	€ 783,00	€ 647,00	\$744,05

### PARTS: Teflon Pure PTFE White FOIL (other dimensions at request)

FPT 2530	Teflon foil 0.25mm thickness, 25 x 30cm	€ 6,00	€ 4,50	\$5,18
FPT 5030	Teflon foil 0.25mm thickness, 25 x 60cm	€ 13,00	€ 10,00	\$11,50



FPT 25302	Teflon foil 0.5mm thickness, 25 x 30cm		€ 12,00	€ 9,45	\$10,87
FPT 50302	Teflon foil 0.5mm thickness, 25 x 60cm		€ 25,00	€ 20,00	\$23,00
FPT 2530/1mm	Teflon foil 1mm thickness, 25 x 30cm	NEW !!	€ 25,00	€ 20,00	\$23,00
FPT 5030/1mm	Teflon foil 1mm thickness, 25 x 60cm	NEW !!	€ 49,00	€ 40,00	\$46,00

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**PARTS: Teflon Pure PTFE White round rod**

FPT 15mm	Teflon round rod 15mm, 20cm length		€ 8,00	€ 6,00	\$6,90
FPT 20mm	Teflon round rod 20mm, 20cm length		€ 13,00	€ 10,00	\$11,50
FPT 40mm	Teflon round rod 40mm, price / 10cm		€ 18,00	€ 14,28	\$16,42

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**PARTS: Fingerstock of beryllium copper and silver plated**

FPF ST50	Fingerstock, 50cm length		€ 33,00	€ 27,00	\$31,05
FPF KT50	Fingerstock, 50cm length		€ 38,00	€ 31,00	\$35,65

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**Aluminium Welding** (rods are approx. 450mm in length and 3 to 3,5mm diameter) <<<< NEW >>>> [WWW.DURAFIX.NL](http://WWW.DURAFIX.NL)

ALS-05	5 pcs rod each 45cm long		€ 24,00	€ 19,83	\$22,80
ALS-10	10 pcs rod each 45cm long		€ 32,00	€ 26,44	\$30,41
ALS-20	20 pcs rod each 45cm long, inc stainless steel brush.		€ 49,00	€ 39,67	\$45,62
ALS-40	40 pcs rod each 45cm long, inc 2pcs stainless steel brush.		€ 90,00	€ 74,38	\$85,54
ALS-60	60 pcs rod each 45cm long, inc 3pcs stainless steel brush.		€ 131,00	€ 108,26	\$124,50
ALS-100	100 pcs rod each 45cm long, inc 4pcs stainless steel brush.		€ 201,00	€ 166,11	\$191,03

**RF HAMDESIGN B.V.**

**Gauke Boelensstraat 108  
NL-9203 RS Drachten  
The Netherlands**

All prices are including DUTCH V.A.T. 21%.

## **Prices for foreign customers**

### **Inside EU:**

Private customers inside of EU countries will be treated as domestic customers, they will be charged with our DUTCH V.A.T. of 21% which is included in our price list.

No V.A.T. applies, if you are inside the EU countries and holding a V.A.T. number (divide listed prices by 1,21)

### **\* Outside EU:**

Our prices are including 21% DUTCH V.A.T. which is not to be paid by foreign customers.

Please deduct DUTCH V.A.T. which is included in the price list. (divide listed prices by 1,21)

### **Payment:**

Deliveries abroad are only effected against advance payment.

Upon receipt of your order we will send you an (proforma) invoice.

### **Payment by Bank transfer:**

As soon as the invoice amount in **EURO €** is transferred and cleared to our bank account the ordered goods will be immediately dispatched ex Drachten stock unless a delivery period has been agreed in writing. Bank charges are always to be taken over by the customer

### **Payment through PayPal / Credit Card:**

You can pay securely by Credit Card (VISA, MasterCard etc) 3.9% surcharge

Note: Credit card payment, never send card number by mail, we send you a secure payment link

Payment through PayPal are accepted

Payment address PayPal: **sales@rfhamdesign.com (3.9% surcharge)**

NOTE: All payments must be in **EURO**. (EUR)

### **Shipping charges: at cost**