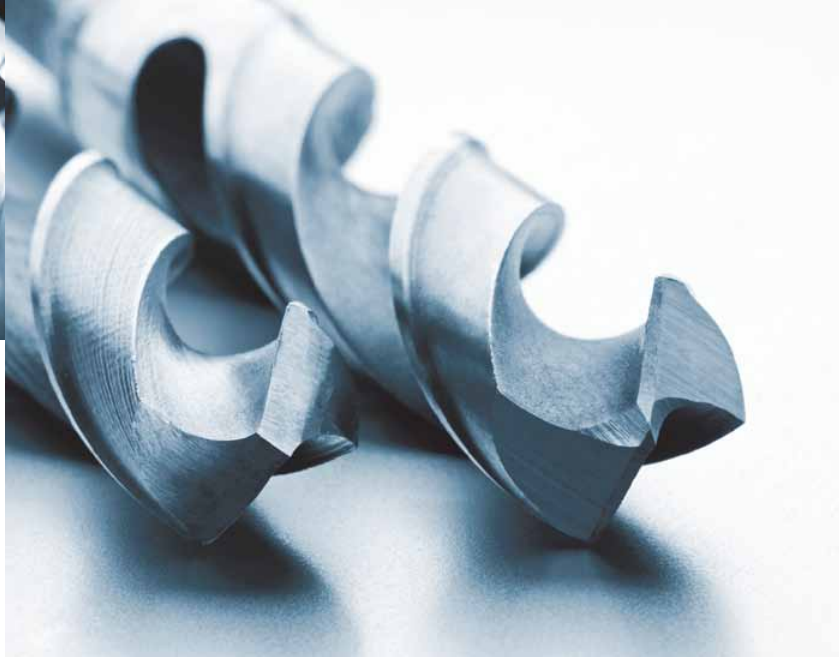


■ Catalog 2011

Drilling & Tapping Consumables



WALSHENGINEERING  **COM**

Ireland's leading supplier to the engineering industry



MAGTRON MB30 MAG-DRILL

The Magtron electro-magnetic drilling machine has been designed, developed and manufactured to the very highest standards to provide users with a powerful, portable and cost effective solution to whole cutting problems. It has a cutter capacity of 12-32mm and 13mm in twist drills. With a powerful 720W motor, a no-load speed of 550rpm and weighing just 10kg, the MB30 is the ideal machine for just about any industry.

Code	Description	Voltage	Price
5371	Magtron MB30	110v	€615.00
3307	Magtron MB30	220v	€615.00



UNIBOR EQ50 MAG-DRILL

The Unibor MB50 electro-magnetic drilling machine has been designed, developed and manufactured to the high standards you have come to expect from Universal Drilling UK.

It has a cutter capacity of 12-50mm and 19mm in twist drills (No.2 MT). With a powerful 1,150W motor, dual speed range of 280/500rpm and weighing just 18.5kg, the EQ50 is the ideal machine for the most demanding situations in industry today.

Code	Description	Voltage	Price
1206	Unibor EQ50	110v	€825.00
8011	Unibor EQ50	220v	€825.00



1" REACH MAGNETIC CUTTERS

All our magnetic cutters are manufactured by Universal Drilling in the UK – a company with a 20 year track record of excellence around the world. These high quality cutters have a maximum drilling depth of 25mm in Carbon Steel.

The unique geometry of Unibor cutters helps to achieve faster feed, lower cutting resistance and longer tool life.

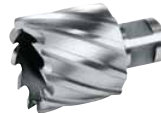
Code	Dia Ø	Working ↓	Total ↓	Cut	Price
3035	12mm	25mm	64mm	HSS	€12.28
3407	12.5mm	25mm	64mm	HSS	€20.15
3399	13mm	25mm	64mm	HSS	€12.40
3036	14mm	25mm	64mm	HSS	€12.60
3408	14.5mm	25mm	64mm	HSS	€20.48
9554	15mm	25mm	64mm	HSS	€12.70
3037	16mm	25mm	64mm	HSS	€13.33
7756	16.5mm	25mm	64mm	HSS	€21.20
3038	17mm	25mm	64mm	HSS	€14.28
3039	18mm	25mm	64mm	HSS	€14.60
4457	19mm	25mm	64mm	HSS	€14.90
3040	20mm	25mm	64mm	HSS	€16.70
4251	21mm	25mm	64mm	HSS	€17.13
3041	22mm	25mm	64mm	HSS	€17.75
3042	23mm	25mm	64mm	HSS	€18.38
3043	24mm	25mm	64mm	HSS	€19.00
3044	25mm	25mm	64mm	HSS	€21.43
3045	26mm	25mm	64mm	HSS	€22.05
3046	27mm	25mm	64mm	HSS	€22.78
3047	28mm	25mm	64mm	HSS	€25.40
3048	29mm	25mm	64mm	HSS	€26.15
3049	30mm	25mm	64mm	HSS	€26.78
3050	32mm	25mm	64mm	HSS	€28.45
1930	33mm	25mm	64mm	HSS	€31.18
8538	34mm	25mm	64mm	HSS	€32.03
3051	35mm	25mm	64mm	HSS	€32.88
3387	36mm	25mm	64mm	HSS	€33.70
3052	38mm	25mm	64mm	HSS	€37.60
3053	40mm	25mm	64mm	HSS	€43.38
3054	42mm	25mm	64mm	HSS	€45.35
3055	45mm	25mm	64mm	HSS	€48.73
3056	48mm	25mm	64mm	HSS	€55.98
3058	50mm	25mm	64mm	HSS	€58.38
3059	51mm	25mm	64mm	HSS	€68.78
3060	52mm	25mm	64mm	HSS	€70.55
5372	55mm	25mm	64mm	HSS	€76.13
7503	57mm	25mm	64mm	HSS	€79.70
1181	58mm	25mm	64mm	HSS	€81.58
7504	60mm	25mm	64mm	HSS	€85.25
3820	65mm	25mm	64mm	HSS	€291.05



2" REACH MAGNETIC CUTTERS

From Universal Drilling, these high-end HSS magnetic drill cutters have a drilling depth of 50mm and a HSS cutting edge. They are suitable for most magnetic drilling machines.

Code	Dia Ø	Working ↓	Total ↓	Cut	Price
3062	12mm	50mm	99mm	HSS	€18.28
3063	14mm	50mm	99mm	HSS	€19.43
3064	16mm	50mm	99mm	HSS	€20.68
3065	18mm	50mm	99mm	HSS	€22.48
3066	20mm	50mm	99mm	HSS	€24.88
3067	22mm	50mm	99mm	HSS	€26.88
2451	24mm	50mm	99mm	HSS	€29.20
3068	25mm	50mm	99mm	HSS	€32.88
3069	26mm	50mm	99mm	HSS	€34.03
7182	27mm	50mm	99mm	HSS	€35.28
2452	30mm	50mm	99mm	HSS	€40.75
7102	32mm	50mm	99mm	HSS	€44.43
3070	35mm	50mm	99mm	HSS	€50.50
2006	38mm	50mm	99mm	HSS	€55.33
3183	40mm	50mm	99mm	HSS	€63.95
3071	42mm	50mm	99mm	HSS	€68.15
7731	50mm	50mm	99mm	HSS	€94.93



1" REACH COBALT CUTTERS

Once again, these quality cutters are manufactured by Universal Drilling however as they have a HSS Co 8 cutting edge, they are ideal for working on stainless steel.

Code	Dia Ø	Working ↓	Total ↓	Cut	Price
9424	12mm	25mm	64mm	HSS Co 5	€24.52
9423	14mm	25mm	64mm	HSS Co 5	€25.04
9557	18mm	25mm	64mm	HSS Co 5	€29.24
9558	22mm	25mm	64mm	HSS Co 5	€35.44
7828	24mm	25mm	64mm	HSS Co 5	€37.96



CENTRE PINS

These pilot pins slide down into both long and short reach cutters and give you the perfect starting point every time.

Code	Description	Length	Price
1262	Short reach pilot pin	74mm	€3.90
1263	Long reach pilot pin	96mm	€4.80



COUNTERSINK CUTTERS

This useful cutting tool from Universal Drilling is made from HSS material and is perfect for countersinking a pre-existing hole from 19mm to 50mm diameter.

Code	Dia Ø	Description	Price
1264	19-50mm	Unibor Countersink Cutter	€238.88



HSS HOLESAWS

These HSS bi-metal holesaws are suitable for unalloyed steel (up to 700 N/mm² strength), non-ferrous and light metals, plastics, plasterboard and light building boards, fiberboard, plywood and wood.

Code	Ø mm	Ø Inch	Cut	For Arbor	Price
9840	14mm	9/16"	HSS	A1 / A4	€4.29
1242	16mm	5/8"	HSS	A1 / A4	€5.76
9841	17mm		HSS	A1 / A4	€5.15
1243	19mm	3/4"	HSS	A1 / A4	€5.10
1244	20mm		HSS	A1 / A4	€5.10
1239	21mm		HSS	A1 / A4	€5.76
1240	22mm	7/8"	HSS	A1 / A4	€5.76
9842	24mm	15/16"	HSS	A1 / A4	€5.10
1241	25mm	1"	HSS	A1 / A4	€5.61
9843	27mm	1-1/16"	HSS	A1 / A4	€5.61
9844	28mm	1-3/32"	HSS	A1 / A4	€5.61
1236	29mm	1-1/8"	HSS	A1 / A4	€6.09
9845	30mm	1-3/16"	HSS	A1 / A4	€6.09
1237	32mm	1-1/4"	HSS	A2 / A7	€6.09
1238	33mm		HSS	A2 / A7	€6.09
1235	35mm	1-3/8"	HSS	A2 / A7	€6.47
9846	36mm		HSS	A2 / A7	€6.47
9847	37mm		HSS	A2 / A7	€6.47
1231	38mm	1-1/2"	HSS	A2 / A7	€6.47
1232	40mm		HSS	A2 / A7	€6.47
1233	41mm	1-5/8"	HSS	A2 / A7	€6.47
1234	43mm	1-11/16"	HSS	A2 / A7	€6.47
1228	44mm	1-3/4"	HSS	A2 / A7	€7.79
1229	46mm	1-13/16"	HSS	A2 / A7	€7.79
1230	48mm	1-7/8"	HSS	A2 / A7	€7.79
2945	51mm	2"	HSS	A2 / A7	€7.11
1225	52mm		HSS	A2 / A7	€9.48
1226	54mm	2-1/8"	HSS	A2 / A7	€9.48
9848	55mm		HSS	A2 / A7	€9.48
1227	57mm	2-1/4"	HSS	A2 / A7	€9.48
9849	59mm		HSS	A2 / A7	€9.81
1222	60mm	2-3/8"	HSS	A2 / A7	€9.81
9850	63mm		HSS	A2 / A7	€10.45
1223	64mm	2-1/2"	HSS	A2 / A7	€10.45
9851	65mm		HSS	A2 / A7	€10.45
9852	67mm	2-5/8"	HSS	A2 / A7	€10.45
9853	68mm		HSS	A2 / A7	€10.45
1224	70mm	2-3/4"	HSS	A2 / A7	€10.45
9854	73mm	2-7/8"	HSS	A2 / A7	€10.65
1219	76mm	3"	HSS	A2 / A7	€10.63
9855	79mm	3-1/8"	HSS	A2 / A7	€11.24
9856	83mm	3-1/4"	HSS	A2 / A7	€11.81
9857	86mm	3-3/8"	HSS	A2 / A7	€12.32
1220	89mm	3-1/2"	HSS	A2 / A7	€12.83
9858	92mm	3-5/8"	HSS	A2 / A7	€13.38
9859	95mm	3-3/4"	HSS	A2 / A7	€14.87
9860	98mm	3-7/8"	HSS	A2 / A7	€15.88
1221	102mm	4"	HSS	A2 / A7	€16.94
2484	105mm		HSS	A2 / A7	€18.28
9861	108mm	4-1/4"	HSS	A2 / A7	€22.65
9862	111mm	4-3/8"	HSS	A2 / A7	€27.05
3027	114mm	4-1/2"	HSS	A2 / A7	€31.81
9863	121mm	4-3/4"	HSS	A2 / A7	€35.16
3028	127mm	5"	HSS	A2 / A7	€39.25
9864	140mm	5-1/2"	HSS	A2 / A7	€46.66
1022	152mm	6"	HSS	A2 / A7	€54.82
9865	160mm	6-5/16"	HSS	A2 / A7	€57.33
9866	168mm	6-5/8"	HSS	A2 / A7	€59.99
9867	177mm		HSS	A2 / A7	€61.31
9868	210mm	8-9/32"	HSS	A2 / A7	€77.20



FINE TOOTH S/S HOLESAWS

These HSS Co8 bi-metal holesaws with fine toothing are suitable for unalloyed steel (up to 1,000 N/mm² strength), high chromium alloyed steels such as stainless steel, steels resistant to rusts and acids, non-ferrous and light metals.

Code	Ø mm	Ø Inch	Cut	For Arbor	Price
9869	19mm	3/4"	HSS Co-8	A1 / A4	€8.00
3627	24mm	15/16"	HSS Co-8	A1 / A4	€8.18
9870	25mm	1"	HSS Co-8	A1 / A4	€8.63
1928	28mm	1-3/32"	HSS Co-8	A1 / A4	€8.63
9871	32mm	1-1/4"	HSS Co-8	A2 / A7	€8.63
1914	35mm	1-3/8"	HSS Co-8	A2 / A7	€9.20
9872	38mm	1-1/2"	HSS Co-8	A2 / A7	€9.20
9873	51mm	2"	HSS Co-8	A2 / A7	€11.03
9874	57mm	2-1/4"	HSS Co-8	A2 / A7	€13.48
9875	64mm	2-1/2"	HSS Co-8	A2 / A7	€14.85
9876	76mm	3"	HSS Co-8	A2 / A7	€15.95
9877	89mm	3-1/2"	HSS Co-8	A2 / A7	€18.65
9878	102mm	4"	HSS Co-8	A2 / A7	€24.05

HOLESAW ACCESSORIES



We stock a variety of holesaw accessories from the RUKO range. The A1 and A4 arbors are suitable for holesaws from 14-30mm while the A2 and A7 are used on holesaws from 32-210mm. The A7 arbor is suitable for an SDS-Plus chuck.

No.	Code	Description	Shank	Price
1	1958	A1 Arbor	6-sided	€6.80
2	1245	A2 Arbor	6-sided	€9.66
3	9883	A4 Arbor	6mm spindle	€5.43
4	9882	A7 Arbor	SDS-Plus	€11.51
No.	Code	Description	Price	
5	1246	A1/A4 Centre Pin	€2.84	
5	1247	A2/A7 Centre Pin	€2.84	
No.	Code	Description	Price	
6	9880	300mm A1/A2 Arbor Extension	€12.36	
7	9879	Arbor Ejector Spring	€0.84	
8	9881	A1 to A2 Arbor Adaptor	€3.01	

HOLESAW SETS



A handy holesaw kit with a 22mm, 29mm, 35mm, 44mm, 51mm and 68mm holesaws and an A2 and A4 Arbor from RUKO in Germany. All the holesaws are HSS and are suitable for unalloyed steel, non-ferrous and light metals. They come in a durable plastic carry case.

Code	Description	Code	Price
5543	6-Piece RUKO Electricians Holesaw Kit	A106 340	€40.90

STEP DRILLS & COUNTERSINKS



These tools are ideal for countersinking and deburring in the following sectors of industry: electrical, sanitary engineering, heating, mechanical engineering, switching systems, tubular steel construction and wood working.

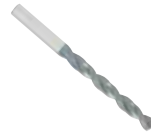
No.	Code	Description	Range	Price
1	8730	HSS Step Drill No.1	4-20mm	€31.72
2	7863	HSS Step Drill No.2	4-30mm	€46.64
3	8716	HSS Step Drill No.3	6-38mm	€102.90
4	7713	3-Piece HSS Step Drill Set		€115.45
No.	Code	Description	Price	
5	1104	HSS 8.3mm Countersink	€8.69	
5	1105	HSS 10.4mm Countersink	€8.95	
5	1106	HSS 16.5mm Countersink	€13.86	
5	1107	HSS 20.5mm Countersink	€19.16	
5	1108	HSS 37.0mm Countersink	€64.22	
6	5540	6-Piece Countersink Set (6.3-20.5mm)	€57.57	
No.	Code	Description	Price	
7	4297	3-Piece Tube & Sheet Drill Set (1,2 & 3)	€79.94	



TIVOLY HSS DRILL BITS

One of the biggest sellers in our range, the Tivoly HSS drill bits are manufactured in France. These strong and accurate drill bits for heat treatable steels with "elliptic" grinding, the Altai's drill bit achieves a reduction in axial force of 30% and guarantees excellent geometric control of the hole.

Code	Dia Ø	Total ↓	Working ↓	Cut	Make	Price
3905	1mm	34mm	12mm	HSS	Tivoly	€1.06
3907	1.3mm	38mm	16mm	HSS	Tivoly	€0.94
3909	1.5mm	40mm	18mm	HSS	Tivoly	€0.82
3512	1.7mm	40mm	18mm	HSS	Tivoly	€0.96
3914	2mm	49mm	24mm	HSS	Tivoly	€0.68
3916	2.2mm	53mm	27mm	HSS	Tivoly	€0.78
3917	2.3mm	53mm	27mm	HSS	Tivoly	€0.78
3918	2.4mm	57mm	30mm	HSS	Tivoly	€0.88
Code	Dia Ø	Total ↓	Working ↓	Cut	Make	Price
3919	2.5mm	57mm	30mm	HSS	Tivoly	€0.86
3921	2.7mm	61mm	33mm	HSS	Tivoly	€0.88
3922	2.8mm	61mm	33mm	HSS	Tivoly	€0.88
3924	3mm	61mm	33mm	HSS	Tivoly	€0.74
3925	3.1mm	65mm	36mm	HSS	Tivoly	€0.88
3926	3.2mm	65mm	36mm	HSS	Tivoly	€0.86
3927	3.3mm	65mm	36mm	HSS	Tivoly	€0.96
3928	3.4mm	70mm	39mm	HSS	Tivoly	€0.96
Code	Dia Ø	Total ↓	Working ↓	Cut	Make	Price
3929	3.5mm	70mm	39mm	HSS	Tivoly	€0.88
3930	3.6mm	70mm	39mm	HSS	Tivoly	€0.96
3934	4mm	75mm	43mm	HSS	Tivoly	€0.98
3936	4.2mm	75mm	43mm	HSS	Tivoly	€1.10
3938	4.4mm	80mm	47mm	HSS	Tivoly	€1.20
3939	4.5mm	80mm	47mm	HSS	Tivoly	€1.12
3941	4.7mm	80mm	47mm	HSS	Tivoly	€1.28
3942	4.8mm	86mm	52mm	HSS	Tivoly	€1.28
Code	Dia Ø	Total ↓	Working ↓	Cut	Make	Price
3943	4.9mm	86mm	52mm	HSS	Tivoly	€1.30
3944	5mm	86mm	52mm	HSS	Tivoly	€1.20
4153	5mm Double Ended		13mm	HSS	Tivoly	€2.30
3946	5.2mm	86mm	52mm	HSS	Tivoly	€1.36
3949	5.5mm	93mm	57mm	HSS	Tivoly	€1.60
3951	5.7mm	93mm	57mm	HSS	Tivoly	€1.66
3952	5.8mm	93mm	57mm	HSS	Tivoly	€1.68
3954	6mm	93mm	57mm	HSS	Tivoly	€1.64
Code	Dia Ø	Total ↓	Working ↓	Cut	Make	Price
3959	6.5mm	101mm	63mm	HSS	Tivoly	€1.92
3962	6.8mm	109mm	69mm	HSS	Tivoly	€2.58
3964	7mm	109mm	69mm	HSS	Tivoly	€2.34
3969	7.5mm	109mm	69mm	HSS	Tivoly	€2.46
3974	8mm	117mm	75mm	HSS	Tivoly	€2.80
3975	8.1mm	117mm	75mm	HSS	Tivoly	€3.08
3976	8.2mm	117mm	75mm	HSS	Tivoly	€3.16
3977	8.3mm	117mm	75mm	HSS	Tivoly	€3.14
Code	Dia Ø	Total ↓	Working ↓	Cut	Make	Price
3979	8.5mm	117mm	75mm	HSS	Tivoly	€3.02
3984	9mm	125mm	81mm	HSS	Tivoly	€3.68
3989	9.5mm	125mm	81mm	HSS	Tivoly	€4.00
3994	10mm	133mm	87mm	HSS	Tivoly	€4.32
3996	10.2mm	133mm	87mm	HSS	Tivoly	€5.46
3999	10.5mm	133mm	87mm	HSS	Tivoly	€5.60
4002	10.8mm	142mm	94mm	HSS	Tivoly	€8.06
4004	11mm	142mm	94mm	HSS	Tivoly	€6.52
Code	Dia Ø	Total ↓	Working ↓	Cut	Make	Price
4009	11.5mm	142mm	94mm	HSS	Tivoly	€6.98
4012	11.8mm	142mm	94mm	HSS	Tivoly	€8.06
4014	12mm	151mm	101mm	HSS	Tivoly	€7.76
4019	12.5mm	151mm	101mm	HSS	Tivoly	€8.52
4025	13mm	151mm	101mm	HSS	Tivoly	€8.84



TIVOLY COBALT DRILL BITS

Rapid and accurate drilling in stainless steels type 304L and 316L thanks to their multi layer coating BLADE, with TBX geometry and cobalt substrate. The TBX bit achieves more than 40% tool life compared to similar products.

Code	Dia Ø	Total ↓	Working ↓	Make	Price
4195	1mm	34mm	12mm	Tivoly TBX Pro	€1.74
4196	1.5mm	40mm	18mm	Tivoly TBX Pro	€1.79
4197	2mm	49mm	24mm	Tivoly TBX Pro	€1.79
4198	2.5mm	57mm	30mm	Tivoly TBX Pro	€2.27
4199	3mm	61mm	33mm	Tivoly TBX Pro	€1.99
4200	3.5mm	70mm	39mm	Tivoly TBX Pro	€2.38
4201	3.8mm	75mm	43mm	Tivoly TBX Pro	€2.91
4202	4mm	75mm	43mm	Tivoly TBX Pro	€2.58
4203	4.5mm	80mm	47mm	Tivoly TBX Pro	€3.00
4204	5mm	86mm	52mm	Tivoly TBX Pro	€3.16
4205	5.5mm	93mm	57mm	Tivoly TBX Pro	€4.23
4206	6mm	93mm	57mm	Tivoly TBX Pro	€4.37
4207	6.5mm	101mm	63mm	Tivoly TBX Pro	€5.01
4208	7mm	109mm	69mm	Tivoly TBX Pro	€6.10
4209	7.5mm	109mm	69mm	Tivoly TBX Pro	€6.38
4210	8mm	117mm	75mm	Tivoly TBX Pro	€7.28
4211	8.5mm	117mm	75mm	Tivoly TBX Pro	€7.70
4212	9mm	125mm	81mm	Tivoly TBX Pro	€7.84
4213	9.4mm	125mm	81mm	Tivoly TBX Pro	€10.64
4214	9.5mm	125mm	81mm	Tivoly TBX Pro	€10.42
4215	10mm	133mm	87mm	Tivoly TBX Pro	€11.20
4216	10.5mm	133mm	87mm	Tivoly TBX Pro	€12.21
4217	11mm	142mm	94mm	Tivoly TBX Pro	€13.44
4218	11.5mm	142mm	94mm	Tivoly TBX Pro	€14.42
4219	12mm	151mm	101mm	Tivoly TBX Pro	€15.54
4220	12.5mm	151mm	101mm	Tivoly TBX Pro	€16.72
4221	13mm	151mm	101mm	Tivoly TBX Pro	€17.19
4222	14mm	160mm	108mm	Tivoly TBX Pro	€32.82



RUKO COBALT DRILL BITS

These economy, high performance twist drill bits are suitable for the drilling of conventional materials and are within everyone's budget. The cobalt content of these bits ensures increased heat resistance.

Code	Dia Ø	Total ↓	Working ↓	Make	Price
4273	1mm	34mm	12mm	RUKO HSS Co 5	€1.45
4046	1.5mm	40mm	18mm	RUKO HSS Co 5	€1.25
4047	2mm	49mm	24mm	RUKO HSS Co 5	€1.05
4048	2.5mm	57mm	30mm	RUKO HSS Co 5	€1.10
4049	3mm	61mm	33mm	RUKO HSS Co 5	€1.15
4050	3.5mm	70mm	39mm	RUKO HSS Co 5	€1.40
4052	4mm	75mm	43mm	RUKO HSS Co 5	€1.50
4051	4.5mm	80mm	47mm	RUKO HSS Co 5	€1.70
4054	5mm	86mm	52mm	RUKO HSS Co 5	€1.85
4053	5.5mm	93mm	57mm	RUKO HSS Co 5	€2.35
4056	6mm	93mm	57mm	RUKO HSS Co 5	€2.40
4055	6.5mm	101mm	63mm	RUKO HSS Co 5	€2.75
4057	7mm	109mm	69mm	RUKO HSS Co 5	€2.95
4058	7.5mm	109mm	69mm	RUKO HSS Co 5	€3.85
4070	8mm	117mm	75mm	RUKO HSS Co 5	€4.45
4080	8.5mm	117mm	75mm	RUKO HSS Co 5	€4.70
4084	9mm	125mm	81mm	RUKO HSS Co 5	€5.30
4086	9.5mm	125mm	81mm	RUKO HSS Co 5	€5.90
4088	10mm	133mm	87mm	RUKO HSS Co 5	€6.25
4089	10.5mm	133mm	87mm	RUKO HSS Co 5	€7.15
4092	11mm	142mm	94mm	RUKO HSS Co 5	€8.85
4093	11.5mm	142mm	94mm	RUKO HSS Co 5	€10.45
4094	12mm	151mm	101mm	RUKO HSS Co 5	€10.80
4095	12.5mm	151mm	101mm	RUKO HSS Co 5	€13.35
4096	13mm	151mm	101mm	RUKO HSS Co 5	€14.80



HSS DRILL BIT SETS

Item 1 is a 19-piece kit from Tivoly is our biggest seller and contains the highest quality HSS drill bits that you have come to expect from Tivoly.

No.	Code	Size	Range	Make	Price
1	3280	19-Piece Set	1 - 10mm	Tivoly	€38.61
2	8633	50-Piece Set	1 - 5.9mm	Tivoly	€75.08
3	8632	41-Piece Set	6 - 11mm	Tivoly	€163.30
4	5530	19-Piece Set	1 - 10mm	RUKO	€21.15



REDUCED SHANK DRILL BITS

These strong and precise bits have a 13mm shank, for the drilling of large diameters in higher tensile steels due to the high quality of our steels and grinding precision.

Code	Dia Ø	Total ↓	Working ↓	Shank ↓	Cut	Price
4177	13.5mm	160mm	108mm	27mm	HSS	€12.70
4178	14mm	160mm	108mm	27mm	HSS	€13.60
4179	14.5mm	169mm	114mm	27mm	HSS	€14.62
4180	15mm	169mm	114mm	27mm	HSS	€14.80
4181	15.5mm	178mm	120mm	30mm	HSS	€17.34
4182	16mm	178mm	120mm	30mm	HSS	€18.02
6518	17mm	184mm	125mm	30mm	HSS	€20.40
4183	17.5mm	191mm	130mm	30mm	HSS	€23.44
4184	18mm	191mm	130mm	30mm	HSS	€24.82
4185	18.5mm	198mm	135mm	30mm	HSS	€27.52
4186	19mm	198mm	135mm	30mm	HSS	€27.52
4188	20mm	205mm	140mm	30mm	HSS	€35.00
4189	21mm	205mm	145mm	40mm	HSS	€41.36
4190	22mm	210mm	150mm	40mm	HSS	€47.34



TAPER SHANK DRILL BITS

The very best tool shop option, the Tivoly taper shank drill bits are available in a variety of morse taper sizes. These quality bits are suitable for the drilling of higher tensile steels, due to the high quality of our steels and grinding precision.

Code	Dia Ø	Total ↓	Working ↓	Taper	Price
4059	16mm	218mm	120mm	MT2	€20.65
4060	16.5mm	223mm	125mm	MT2	€23.42
4061	17mm	223mm	125mm	MT2	€22.19
4062	17.5mm	228mm	130mm	MT2	€24.47
4063	18mm	228mm	130mm	MT2	€26.08
4064	18.5mm	233mm	135mm	MT2	€27.49
4065	19mm	233mm	135mm	MT2	€26.76
4066	19.5mm	238mm	140mm	MT2	€30.49
4067	20mm	238mm	140mm	MT2	€28.67
4068	20.5mm	243mm	145mm	MT2	€33.30
4069	21mm	243mm	145mm	MT2	€34.02
4071	22mm	248mm	150mm	MT2	€36.66
4072	22.5mm	253mm	155mm	MT2	€39.85
4073	23mm	253mm	155mm	MT2	€42.56
4075	24mm	281mm	160mm	MT3	€42.88
4076	24.5mm	281mm	160mm	MT3	€44.63
4077	25mm	281mm	160mm	MT3	€40.67
4078	25.5mm	286mm	165mm	MT3	€50.21
4079	26mm	286mm	165mm	MT3	€50.93
4081	27mm	291mm	170mm	MT3	€55.39
4082	27.5mm	291mm	170mm	MT3	€56.16
4083	28mm	291mm	170mm	MT3	€58.03
4087	30mm	296mm	175mm	MT3	€67.31
4091	32mm	224mm	185mm	MT4	€80.34
4097	35mm	339mm	190mm	MT4	€95.95
4103	38mm	349mm	200mm	MT4	€122.73
4117	45mm	359mm	210mm	MT4	€197.05
4131	52mm	412mm	225mm	MT5	€299.51



COBALT DRILL BIT SETS

Our two cobalt drill bit sets allow you to pick from a high end 19-piece set from Tivoly or a more economically priced 19-piece cobalt drill bit set from RUKO in Germany.

No.	Code	Size	Range	Make	Price
1	3430	19-Piece Set	1 - 10mm	Tivoly	€68.13
2	8891	19-Piece Set	1 - 10mm	RUKO	€53.50



LONG SERIES DRILL BITS

These strong and precise bits are extra long and are for the drilling of deeper holes due to the high quality of our steels and grinding precision.

Code	Dia Ø	Total ↓	Working ↓	Cut	Price
9457	3mm	100mm	66mm	HSS	€2.30
8148	4mm	119mm	78mm	HSS	€2.91
7592	5mm	132mm	87mm	HSS	€3.70
9332	6mm	139mm	91mm	HSS	€4.51
9331	7mm	156mm	102mm	HSS	€6.72
6175	8mm	165mm	109mm	HSS	€7.98
6172	10mm	184mm	121mm	HSS	€10.53



CALIPERS & DEPTH GAUGES

Our range of Limit Calipers and Depth Gauges are some of the finest on the market whilst being extremely affordable. All items are supplied in a protective case or wallet.

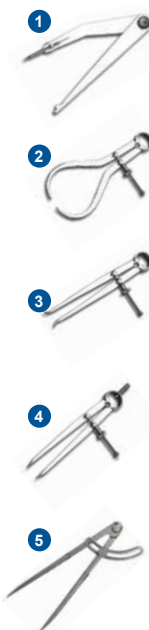
No	Code	Description	Price
1	7447	Limit 150mm Vernier Calipers	€31.50
1	7602	Limit 200mm Vernier Calipers	€44.70
2	1033	Limit 150mm Digital Vernier Calipers	€50.40
3	2194	Limier 150mm Depth Gauge	€34.30



LIMIT MICROMETERS

Our range of Limit Micrometers are some of the finest on the market today whilst being extremely affordable. All items are supplied in a protective case or wallet.

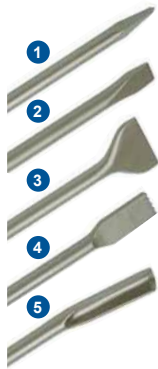
No	Code	Description	Range	Price
1	7445	Limit Micrometer	0-25mm	€29.90
1	8574	Limit Micrometer	25-50mm	€32.60
2	5712	Limit Digital Micrometer	0-25mm	€156.90



CALIPERS & DIVIDERS

We stock a full range of quality Groz Measuring Tools which includes Jenny calipers, Outside spring dividers, Inside spring dividers, Spring dividers. We also carry two sizes of Wing dividers from Limit.

No	Code	Description	Capacity	Price
1	2408	6" Jenny Calipers	150mm	€8.50
2	8793	4" Outside Spring Calipers	100mm	€8.00
2	8794	6" Outside Spring Calipers	150mm	€9.00
2	8795	8" Outside Spring Calipers	200mm	€12.00
2	8871	12" Outside Spring Calipers	300mm	€17.50
3	8798	4" Inside Spring Calipers	100mm	€6.50
3	8797	6" Inside Spring Calipers	150mm	€8.50
3	8796	8" Inside Spring Calipers	200mm	€10.50
3	8872	12" Inside Spring Calipers	300mm	€14.50
4	8792	4" Spring Dividers	100mm	€8.00
4	2409	6" Spring Dividers	150mm	€10.50
4	2410	8" Spring Dividers	200mm	€14.00
4	1815	10" Spring Dividers	250mm	€17.50
4	8791	12" Spring Dividers	300mm	€22.50
5	5696	6" Wing Dividers	170mm	€13.80
5	5704	12" Wing Dividers	390mm	€22.50



SDS-PLUS CHISELS

Made of a special impact resistant material, these chisels allow for maximum energy transmission of the hammer drill to the chisel edge. Ideal for chiselling in concrete, masonry, stone and bricks. They are suitable for all hammer drills with SDS-Plus adaptor and 2-groove adaptor with rotating stop.

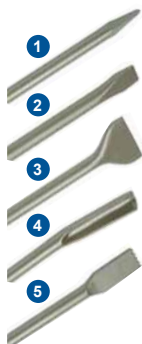
No.	Code	Type	Total ↓	Width	Price
1	4341	Pointed	250mm	-	€11.19
2	5999	Flat	250mm	20mm	€11.19
3	8116	Spade	250mm	40mm	€18.25
4	3303	Comb	250mm	27mm	€21.19
5	5526	Channel	250mm	22mm	€18.25



SDS-MAX DRILL BITS

Our SDS-Plus drill bits are suitable for drilling in concrete, stone, masonry and granite. They are suitable for use in all hammer drills with an SDS-Max and 2-groove adaptor.

Code	Ø mm	Ø Inch	Total ↓	Working ↓	Cutters	Price
4347	14mm	9/16"	340mm	200mm	2	€49.11
2215	16mm	5/8"	340mm	200mm	4	€50.84
2455	20mm	25/32"	320mm	200mm	4	€54.36
5541	22mm	7/8"	320mm	200mm	4	€58.91
4246	25mm	63/64"	320mm	200mm	4	€59.55
5542	30mm	1-3/16"	370mm	250mm	4	€70.39



SDS-MAX CHISELS

Made of a special impact resistant material, these chisels allow for maximum energy transmission of the hammer drill to the chisel edge. Ideal for chiselling in concrete, masonry, stone and bricks. They are suitable for all hammer drills with SDS-Max adaptor and 2-groove adaptor with rotating stop.

No.	Code	Type	Total ↓	Width	Price
1	5531	Pointed	400mm	-	€11.69
2	8066	Flat	400mm	25mm	€13.63
3	5717	Spade	400mm	50mm	€22.65
4	3906	Channel	300mm	26mm	€23.99
5	6265	Comb	300mm	32mm	€29.82



DIAMOND CORE DRILLING SET

A 12-piece dry diamond core drill set which incorporates 5 of the most commonly used plumbing and general building sizes ideal for hand basin waste overflow shower and bath waste pipe, tumble dryer vents and boiler flues.

The kit consists of 42-52-65-117-127mm core drills as well as a 3 jaw chuck adaptor, 3 jaw 250mm extension, SDS chuck adaptor, SDS 250mm extension, A-Taper Guide Rod, Drift Key, Lockable aluminium tool case.

Code	Description	Part No.	Price
7088	Rothenberger Dry Diamond Core Drill Set	8.9020	€251.14



CUTTING COOLANTS

Our cutting coolants provide exceptional lubrication and heat dispersant properties resulting in improved finish to machined pieces. Suitable for most metals including high carbon and tensile steels. Our range of Rocol coolants are regarded to be some of the best available on the market today while the Ambersil range is fast becoming as popular.

No.	Code	Make	Type	Size	Price
1	2632	Rocol	Compound	500gm	€13.50
2	1167	Rocol	Liquid	400gm	€21.50
3	4737	Rocol	Spray	300ml	€22.50
4	2123	Orbitalum	Spray	500ml	€15.75
5	8516	Ambersil	Liquid	350ml	€10.95
6	8517	Ambersil	Spray	400ml	€9.95



SDS-PLUS DRILL BITS

All our SDS-Plus drill bits are suitable for drilling in concrete, clinker, stone, masonry, tiles and marble. They are suitable for use in all hammer drills with an SDS-Plus adaptor.

Code	Ø mm	Ø Inch	Total ↓	Working ↓	Price
6396	5mm	3/16"	110mm	50mm	€2.81
2227	5mm	3/16"	160mm	100mm	€3.42
2163	5.5mm	7/32"	110mm	50mm	€3.36
4328	6mm	15/64"	110mm	50mm	€2.81
4329	6mm	15/64"	160mm	100mm	€3.23
4330	6mm	15/64"	210mm	150mm	€4.73
7857	6.5mm	8/32"	160mm	100mm	€4.16
4331	7mm	9/32"	110mm	50mm	€3.86
3479	7mm	9/32"	160mm	100mm	€4.35
4332	8mm	5/16"	110mm	50mm	€3.28
4333	8mm	5/16"	160mm	100mm	€3.59
2332	8mm	5/16"	210mm	150mm	€4.33
3675	8mm	5/16"	610mm	550mm	€21.63
2164	9mm	11/32"	210mm	150mm	€6.13
4337	10mm	3/8"	110mm	50mm	€3.93
4335	10mm	3/8"	160mm	100mm	€4.16
4338	10mm	3/8"	210mm	150mm	€5.17
4334	10mm	3/8"	260mm	200mm	€6.38
3676	10mm	3/8"	610mm	550mm	€20.48
4339	12mm	15/32"	160mm	100mm	€5.23
2508	12mm	15/32"	210mm	150mm	€6.45
2165	12mm	15/32"	260mm	200mm	€7.52
3677	12mm	15/32"	600mm	550mm	€22.81
7376	14mm	9/16"	160mm	100mm	€7.08
4340	14mm	9/16"	210mm	150mm	€8.02
7856	14mm	9/16"	260mm	200mm	€9.74
5538	14mm	9/16"	600mm	550mm	€25.35
4343	16mm	5/8"	160mm	100mm	€10.73
4344	16mm	5/8"	210mm	150mm	€11.30
4342	16mm	5/8"	450mm	400mm	€21.74
3678	16mm	5/8"	600mm	550mm	€25.73
7704	18mm	11/16"	250mm	200mm	€25.64
8701	18mm	11/16"	600mm	550mm	€41.24
3679	20mm	25/32"	200mm	150mm	€22.93
4345	20mm	25/32"	600mm	550mm	€41.52
3314	22mm	7/8"	600mm	550mm	€43.49
4346	25mm	63/64"	250mm	200mm	€36.52
5535	25mm	63/64"	450mm	400mm	€42.25



SCREW PITCH GAUGES

Quality screw pitch gauges covering the MM, WW, MM/ UNF, UNC/UNF and G-Pipe thread system from Limit. The quantity of blades varies for gauge to gauge but is indicated in the table below.

Code	System	Angle	Blades	For TPI	For Pitch	Price
7250	MM	60°	24	-	-	€6.10
6865	WW	55°	28	4-62	0.25-6	€7.20
6422	MM/UNF	60°	55	4-42	0.25-6	€10.70
8638	UNC/UNF	60°	30	4-42	-	€8.00
6908	G-pipe (R)	55°	6	8-28	-	€4.00



TAP & DIE SETS

We stock two great tap and die sets from RUKO in Germany. No.1 is a competitively priced 15-piece tap and drill set. No.2 is a 44-piece tap and die set that covers all sizes from M3 to M12. They include the drill bits and wrenches.

No.	Code	Contains	Range	Pieces	Price
1	5450	Tap & Drill	M3-M12	15	€68.43
2	2038	Tap, Drill & Die	M3-M12	44	€233.69



METRIC TAPS

A heavy-duty, high-speed steel tap set consisting of a taper, a second and a bottom. For through threads and bottoming threads in unalloyed and low-alloyed steels up to a strength of 800 N/mm², malleable cast iron and non-ferrous metals.

Code	Size	Pitch	Total ↓	Thread ↓	Drill Size	Price
9892	M2	0.40mm	36mm	8mm	1.6mm	€9.81
9893	M3	0.50mm	40mm	10mm	2.5mm	€9.81
9894	M4	0.70mm	45mm	12mm	3.3mm	€9.81
9895	M5	0.80mm	50mm	13mm	4.2mm	€10.16
5470	M6	1.0mm	56mm	15mm	5.0mm	€10.47
9896	M7	1.0mm	56mm	16mm	6.0mm	€11.02
5467	M8	1.25mm	63mm	18mm	6.8mm	€11.79
3460	M10	1.5mm	70mm	24mm	8.5mm	€14.94
3461	M12	1.75mm	75mm	29mm	10.2mm	€19.43
4265	M14	2.0mm	80mm	30mm	12mm	€24.29
4264	M16	2.0mm	80mm	32mm	14mm	€29.37
4269	M18	2.5mm	95mm	40mm	15.5mm	€42.64
5453	M20	2.5mm	95mm	40mm	17.5mm	€45.56
5666	M24	3.0mm	110mm	45mm	21mm	€68.00
9897	M30	3.5mm	125mm	56mm	26.5mm	€110.64



BSP TAPS

A heavy-duty, high-speed steel tap set consisting of a taper and a bottom. For through threads and bottoming threads.

Code	Size	TPI	Total ↓	Thread ↓	Drill Size	Price
4279	1/8"	28	63mm	18mm	8.8mm	€22.62
4285	1/4"	19	70mm	20mm	11.8mm	€22.26
4288	3/8"	19	70mm	20mm	15.25mm	€26.36
4291	1/2"	14	80mm	22mm	19mm	€37.82
4298	5/8"	14	80mm	22mm	21mm	€45.17
4294	3/4"	14	90mm	22mm	24.5mm	€56.54
1199	1"	11	100mm	25mm	30.75mm	€84.52



UNC TAPS

A heavy-duty, high-speed steel tap set consisting of a taper and a bottom. For through threads and bottoming threads.

Code	Size	TPI	Total ↓	Thread ↓	Drill Size	Price
4234	1/4"	20	50mm	19mm	5.1mm	€11.32
4235	5/16"	18	56mm	22mm	6.6mm	€12.32
4236	3/8"	16	70mm	24mm	8mm	€13.95
4237	1/2"	13	75mm	29mm	10.8mm	€20.94
4238	5/8"	11	80mm	32mm	13.5mm	€30.91
4239	3/4"	10	95mm	40mm	16.5mm	€41.22
4240	1"	8	110mm	50mm	22.25mm	€61.11



SPIRAL POINT MACHINE TAPS

A HSS machine tap with reinforced shank for through threads from RUKO in Germany. They have a Type B chamfer (4-5 threads with progressive tap). The thread is metric, DIN ISO 13.

Code	Size	Pitch	Total ↓	Thread ↓	Drill Size	Price
9884	M2	0.40mm	45mm	8mm	1.6mm	€6.62
9885	M2.5	0.45mm	50mm	9mm	2.05mm	€6.36
9886	M3	0.50mm	56mm	10mm	2.5mm	€6.36
9887	M4	0.70mm	63mm	12mm	3.3mm	€6.36
9888	M5	0.80mm	70mm	13mm	4.2mm	€6.36
9889	M6	1.0mm	80mm	13mm	5mm	€6.73
9890	M8	1.25mm	90mm	18mm	6.8mm	€7.94
9891	M10	1.5mm	100mm	20mm	8.5mm	€9.11
9945	M12	1.75mm	110mm	22mm	10.2mm	€11.51
1211	M14	2.0mm	110mm	25mm	12mm	€13.64
1213	M16	2.0mm	110mm	28mm	14mm	€15.93
1249	M18	2.5mm	125mm	30mm	15.5mm	€22.62
1265	M20	2.5mm	140mm	30mm	17.5mm	€23.69



METRIC DIES

A heavy-duty, high-speed steel round die in a pre-slotted, type B closed form from RUKO in Germany. The thread is metric, DIN ISO 13. Suitable for use on unalloyed and alloyed steels up to a strength of 800 N/mm².

Code	Size	Pitch	Outside Ø	Thickness	Price
9899	M3	0.50mm	20mm	5mm	€7.15
9900	M4	0.70mm	20mm	5mm	€7.15
9901	M5	0.80mm	20mm	7mm	€7.15
9902	M6	1.0mm	20mm	7mm	€7.15
9904	M8	1.25mm	25mm	9mm	€7.72
9905	M10	1.5mm	30mm	11mm	€9.35
9906	M12	1.75mm	38mm	14mm	€11.79
9907	M14	2.0mm	38mm	14mm	€13.68
9908	M16	2.0mm	45mm	18mm	€16.63
9909	M18	2.5mm	45mm	18mm	€18.04
9910	M20	2.5mm	45mm	18mm	€18.04
9911	M24	3.0mm	55mm	22mm	€25.83



BSP DIES

A heavy-duty, high-speed steel round BSP die in a pre-slotted, type B closed form from RUKO in Germany. The thread is "G" (cylindrical pipe thread) DIN ISO 228. Suitable for use on unalloyed and low alloyed steels.

Code	Size	TPI	Outside Ø	Thickness	Price
4322	1/8"	28	30mm	11mm	€19.93
4324	1/4"	19	38mm	10mm	€19.93
4325	3/8"	19	45mm	14mm	€24.42
4326	1/2"	14	45mm	14mm	€28.78
4311	5/8"	14	55mm	16mm	€38.50
4314	3/4"	14	55mm	16mm	€54.78
5908	1"	11	65mm	18mm	€57.49



METRIC DIE NUTS

A hexagonal solid square metric bolt die from German manufacturers, RUKO. For unalloyed and low-alloyed steels up to 800 N/mm² strength and non-ferrous metals. The thread is cut in one operation.

Code	Size	Pitch	Outside Ø	Thickness	Price
1554	M4	0.70mm	19mm	5mm	€10.80
1555	M5	0.80mm	19mm	7mm	€10.80
1556	M6	1.0mm	19mm	7mm	€10.80
1557	M8	1.25mm	22mm	9mm	€11.55
1558	M10	1.5mm	27mm	11mm	€13.86
1559	M12	1.75mm	36mm	14mm	€19.07
1561	M16	2.0mm	36mm	18mm	€26.99

TAPWRENCHES & DIE STOCKS

We stock a variety of tap wrenches and die stocks for most sizes of taps and dies. No.2 is an M5-M12 Ratchet Tap Wrench with a two jaw chuck which is ideal for thread-cutting in inaccessible places.



No	Code	Size	Range	Length	Price
1	1404	Size 1	M1-M10	180mm	€5.40
1	1405	Size 2	M3.5-M12	280mm	€7.88
1	1406	Size 3	M5-M20	380mm	€11.75
1	1407	Size 5	M13-M32	700mm	€40.39
2	1409	Size 2	M5-M12	100mm	€12.47
3	1400	Size 20	M3-M4	200mm	€4.49
3	1399	Size 20	M4.5-M6	200mm	€4.49
3	1403	Size 25	M7-M9	224mm	€4.84
3	1402	Size 30	M10-M11	280mm	€6.12
3	1401	Size 38	M12-M14	315mm	€7.72
3	4315	Size 45	M16-M20	450mm	€12.52
3	4317	Size 55	M22-M24	560mm	€17.78

ENGINEERING SUPPLIES AS IT SHOULD BE!

Walsh Engineering Supplies Ltd is an ISO accredited company. We specialise in the supply and after-sale service of welding equipment and most products associated with the industry. Our company was formed in 1983 and since then has become the leading supplier of welding equipment and consumables to the following industries: Pharmaceutical, Chemical, Power Generation, Aerospace, Brewery, Dairy and Construction

Our location is at a system built facility in Mallow, Co. Cork, Ireland, which incorporates a fully fitted service area staffed by our own in house service engineers. At Walsh Engineering Supplies we provide our customers with the most cost-effective solutions for their welding and engineering requirements. We achieve this by supplying you with the highest quality products from the most reliable and professional manufacturers. Our qualified and dedicated staff will endeavour to provide you, the customer with an efficient service at all times.



ORDER ONLINE



Come browse and buy from over 4000 items on our new website. Check product specifications, view pictures and videos of products, download free brochures, instruction manuals and material safety data sheets. Launched in November 08, we are proud that our website offers the most comprehensive range of engineering supplies in Ireland.

You can buy online too! Our website is secured by Realex, Ireland's leading online e-commerce provider. Most of our products are ex-stock and are shipped the same day with DPD for next day delivery. Come browse and see...

Visit us now at www.walshengineering.com

WALSHENGINEERING.COM
Ireland's leading supplier to the engineering industry

Walsh Engineering Supplies Ltd.
Newtwopothouse
Limerick Road
Mallow, Co. Cork
Republic of Ireland

Tel: +353 22 42802
Fax: +353 22 42806
Email: info@walshengineering.com
Web: www.walshengineering.com