

# DP Router Cutters with Negative Shear Angle



Negative Cutting Edge

## 141 (HWM tool body)



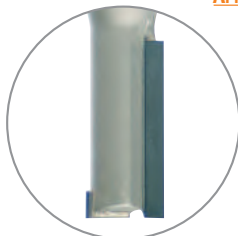
D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
6	10	60	6	1 neg.	1	<b>141.260.61</b>
8	15	65	8	1 neg.	1	<b>141.280.61</b>
10	15	65	10	1 neg.	1	<b>141.300.61</b>
12	20	70	12	1 neg.	1	<b>141.320.61</b>

### TECHNICAL DETAILS:

- Special super-micrograin carbide formulation
- Straight cutting edge.
- DP (H3).
- Resharpener cutter (max 3 times).
- Feed speed on MDF 3-4 m/min for cutter Ø6 and Ø8mm and 4-5m/minute for Ø10and Ø12mm

**APPLICATION:** to be used on all CNC routers for jointing and sizing of solid wood and wood-based panels.

# DP Router Cutters



\* Construction Z1+1 for 141.101.61 item

## 141



D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
6	8	65	12x40	1	1	<b>141.060.61</b>
8	12	65	12x40	1	1	<b>141.080.61</b>
*10	22	75	12x40	1+1	1	<b>141.101.61</b>

### TECHNICAL DETAILS:

- Super strength steel.
- DP cutting edge (H2,5).
- HW plunging tip for diagonal plunge-cutting.
- Resharpener cutter (max 3 times).
- Max feed speed 4 m/min.

**APPLICATION:** to be used on all CNC routers for jointing and sizing of solid wood and wood-based panels.

# DP Router Cutters with Shear Angle



**140**



D mm	I mm	L mm	S mm	Z	ORDER NO.
10	25	72	12x40	1+1 (3 DP+1 HW)	<b>140.03956</b>
12	27	75	12x40	1+1 (3 DP+1 HW)	<b>140.120.61</b>
12	35	85	12x40	1+1 (4 DP+1 HW)	<b>140.121.61</b>
12,7	27	75	12,7x40	1+1 (3 DP+1 HW)	<b>140.127.61</b>
12,7	35	85	12,7x40	1+1 (4 DP+1 HW)	<b>140.128.61</b>
15,87	27	85	15,87x50	1+1 (3 DP+1 HW)	<b>140.158.61</b>
15,87	45	103	15,87x50	1+1 (5 DP+1 HW)	<b>140.159.61</b>
16	27	85	16x50	1+1 (3 DP+1 HW)	<b>140.160.61</b>
16	35	93	16x50	1+1 (4 DP+1 HW)	<b>140.161.61</b>
18	27	85	20x50	1+1 (3 DP+1 HW)	<b>140.180.61</b>
18	35	95	20x50	1+1 (4 DP+1 HW)	<b>140.181.61</b>
18	45	105	20x50	1+1 (5 DP+1 HW)	<b>140.182.61</b>
19,05	27	85	19,05x50	1+1 (3 DP+1 HW)	<b>140.190.61</b>
19,05	45	105	19,05x50	1+1 (5 DP+1 HW)	<b>140.192.61</b>
20	27	85	20x50	1+1 (3 DP+1 HW)	<b>140.200.61</b>
20	35	95	20x50	1+1 (4 DP+1 HW)	<b>140.201.61</b>
20	45	105	20x50	1+1 (5 DP+1 HW)	<b>140.202.61</b>
20	55	115	20x50	1+1 (6 DP+1 HW)	<b>140.203.61</b>

**TECHNICAL DETAILS:**

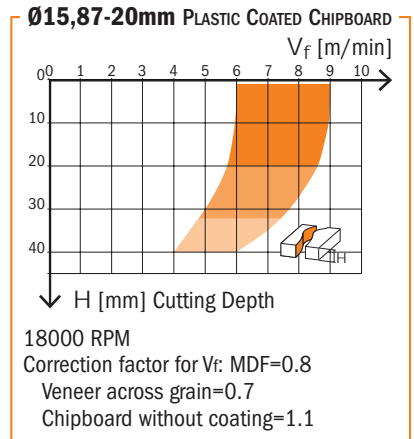
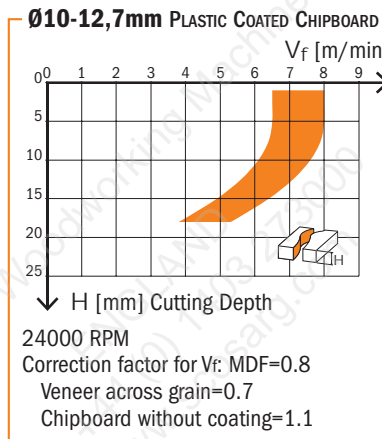
- Super strength steel.
- DP cutting edge (H2,5).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 3 times).

**APPLICATION:**

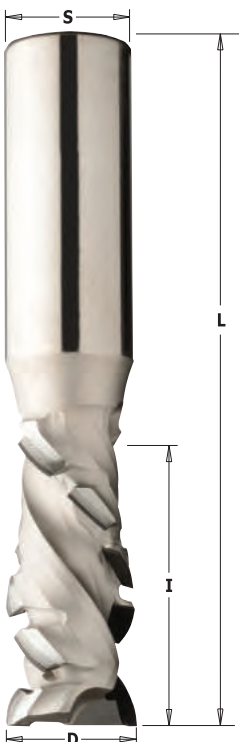
to be used on all CNC routers for jointing, rabbeting, grooving and copying of raw material, melamine and laminates, MDF, HPL and veneered panels.



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# DP Router Cutters with 45° Shear Angle



**140**



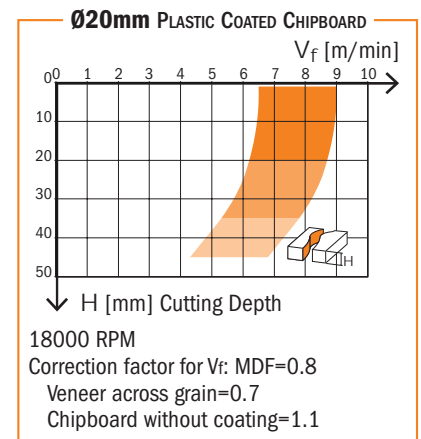
D mm	I mm	L mm	S mm	Z	ORDER NO.
20	25	85	20x50	1+1 (6 DP+1 HW)	<b>140.720.61</b>
20	35	95	20x50	1+1 (8 DP+1 HW)	<b>140.721.61</b>
20	45	105	20x50	1+1 (9 DP+1 HW)	<b>140.722.61</b>

**TECHNICAL DETAILS:**

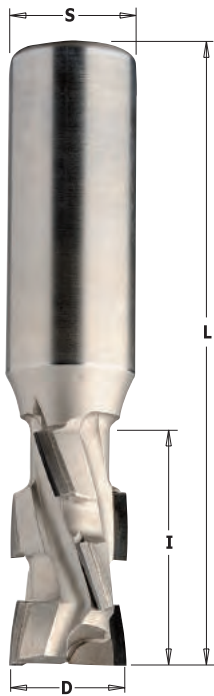
- Super strength steel.
- Diamond cutting edges featuring 45° shear angle (H4).
- HW plunging tip for plunge cutting.
- Resharpenable cutters (max 8-9 times).

**APPLICATION:**

to be used on all CNC routers for jointing, rabbeting, grooving and copying of raw material, melamine and laminates, MDF, HPL and veneered panels.



# DP Router Cutters with Shear Angle



**142**



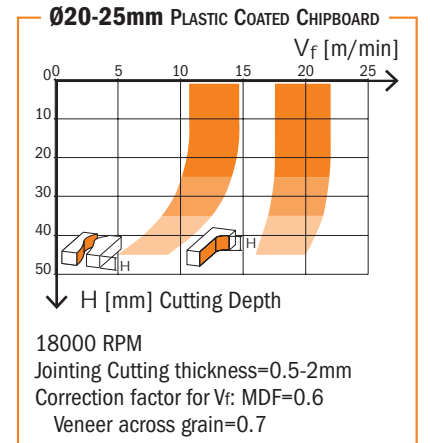
D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
20	27	85	20x50	2+2 (6 DP+1 HW)	1	<b>142.200.61</b>
20	36	95	20x50	2+2 (8 DP+1 HW)	1	<b>142.201.61</b>
20	45	105	20x50	2+2 (10 DP+1 HW)	1	<b>142.202.61</b>
20	55	115	20x50	2+2 (12 DP+1 HW)	1	<b>142.203.61</b>
25	27	90	25x55	2+2 (6 DP+1 HW)	1	<b>142.250.61</b>
25	36	100	25x55	2+2 (8 DP+1 HW)	1	<b>142.251.61</b>
25	45	110	25x55	2+2 (10 DP+1 HW)	1	<b>142.252.61</b>
25	55	120	25x55	2+2 (12 DP+1 HW)	1	<b>142.253.61</b>

**TECHNICAL DETAILS:**

- Super strength steel.
- DP cutting edge (H2,5).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpener cutter (max 3 times).

**APPLICATION:**

to be used on all CNC routers for jointing, rabbeting, grooving, copying and dividing cuts of raw material, melamine and laminates, MDF, HPL and veneered panels.



# DP Router Cutters with 20° Shear Angle



**142**



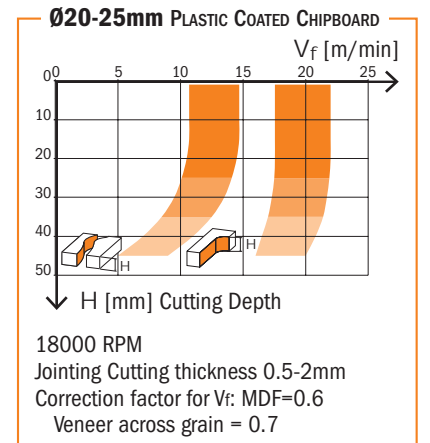
D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
20	25	85	20x45	2+2 (8 DP+1 HW)	1	<b>142.720.61</b>
20	30	90	20x45	2+2 (10 DP+1 HW)	1	<b>142.721.61</b>
20	35	95	20x45	2+2 (12 DP+1 HW)	1	<b>142.722.61</b>
20	40	100	20x45	2+2 (14 DP+1 HW)	1	<b>142.723.61</b>
20	45	105	20x45	2+2 (16 DP+1 HW)	1	<b>142.724.61</b>
20	50	110	20x45	2+2 (18 DP+1 HW)	1	<b>142.725.61</b>
20	55	115	20x45	2+2 (20 DP+1 HW)	1	<b>142.726.61</b>

**TECHNICAL DETAILS:**

- Super strength steel.
- Diamond cutting edges featuring 20° shear angle (H4).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpener cutters (max 8-10 times).

**APPLICATION:**

used on all CNC routers for jointing, rabbeting, grooving, copying and dividing raw material, melamine, laminated, MDF, HPL and veneered panels.



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# DP Router Cutters with Shear Angle for Nesting (Densimet® Tungsten Heavy Metal Alloys)



**143**



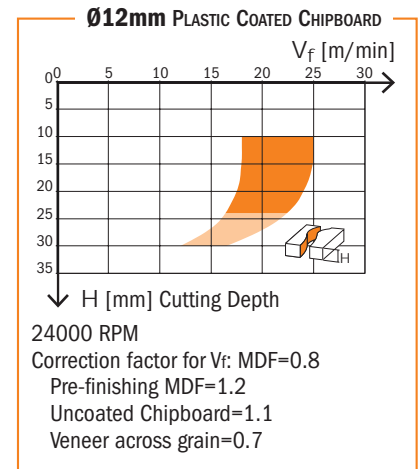
D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
12	25	70	12x40	3 (9 DP)	1	<b>143.120.61</b>
12	31	80	12x40	3 (12 DP)	1	<b>143.121.61</b>

**TECHNICAL DETAILS:**

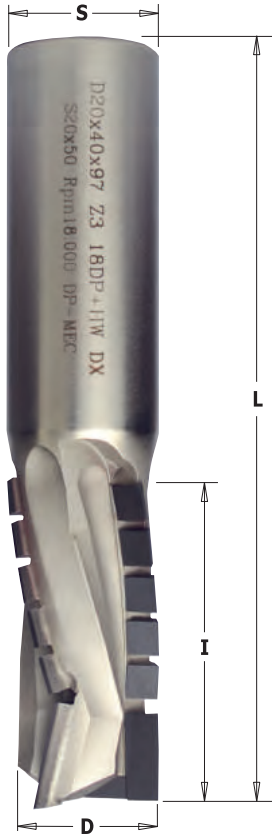
- Densimet® tungsten heavy metal alloys for low-vibration.
- DP cutting edge (H2,5).
- Resharpenable cutter (max 6 times).

**APPLICATION:**

to be used on all CNC routers for jointing, rabbeting, grooving, copying and dividing cuts of raw material, melamine and laminates, MDF, HPL and veneered panels.  
High performance on pre-and finish-routing.



# DP Spiral Router Cutters with Shear Angle



**143**



D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
18	25	82	20x50	3 (10 DP+1 HW)	1	<b>143.180.61</b>
18	30	87	20x50	3 (13 DP+1 HW)	1	<b>143.181.61</b>
18	35	92	20x50	3 (15 DP+1 HW)	1	<b>143.182.61</b>
20	25	82	20x50	3 (10 DP+1 HW)	1	<b>143.200.61</b>
20	30	85	20x50	3 (13 DP+1 HW)	1	<b>143.201.61</b>
20	35	92,5	20x50	3 (15 DP+1 HW)	1	<b>143.202.61</b>
20	40	97	20x50	3 (18 DP+1 HW)	1	<b>143.203.61</b>
20	45	102	20x50	3 (21 DP+1 HW)	1	<b>143.204.61</b>
20	50	106,5	20x50	3 (24 DP+1 HW)	1	<b>143.205.61</b>
20	55	111	20x50	3 (27 DP+1 HW)	1	<b>143.206.61</b>
20	60	116,5	20x50	3 (30 DP+1 HW)	1	<b>143.207.61</b>
20	65	121,5	20x50	3 (31 DP+1 HW)	1	<b>143.208.61</b>
22	30	92	25x50	3 (13 DP+1 HW)	1	<b>143.220.61</b>
□ 22	35	97	25x50	3 (15 DP+1 HW)	1	<b>143.221.61</b>
22	40	102	25x50	3 (18 DP+1 HW)	1	<b>143.222.61</b>
□ 22	45	107	25x50	3 (21 DP+1 HW)	1	<b>143.223.61</b>
22	50	112	25x50	3 (24 DP+1 HW)	1	<b>143.224.61</b>
□ 22	55	117	25x50	3 (27 DP+1 HW)	1	<b>143.225.61</b>
22	60	122	25x50	3 (30 DP+1 HW)	1	<b>143.226.61</b>
□ 22	65	127	25x50	3 (31 DP+1 HW)	1	<b>143.227.61</b>
□ 22	70	132	25x50	3 (36 DP+1 HW)	1	<b>143.228.61</b>

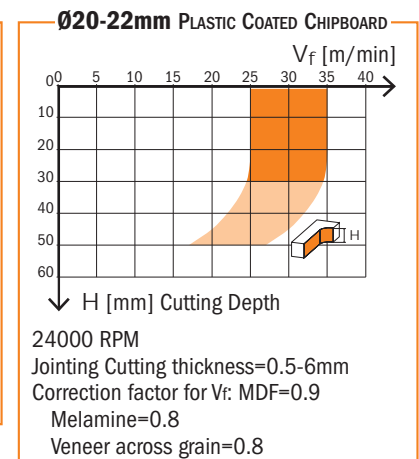
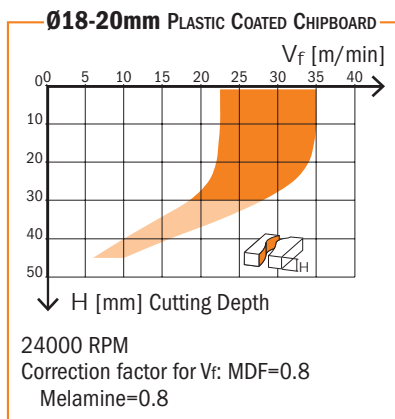
□ On request

**TECHNICAL DETAILS:**

- Super strength steel.
- DP cutting edge (H4).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 10/12 times).

**APPLICATION:**

to be used on all CNC routers for jointing, rabbeting, grooving, copying and dividing cuts of raw material, melamine and laminates, MDF, HPL and veneered panels. High performance on pre-and finish-routing.

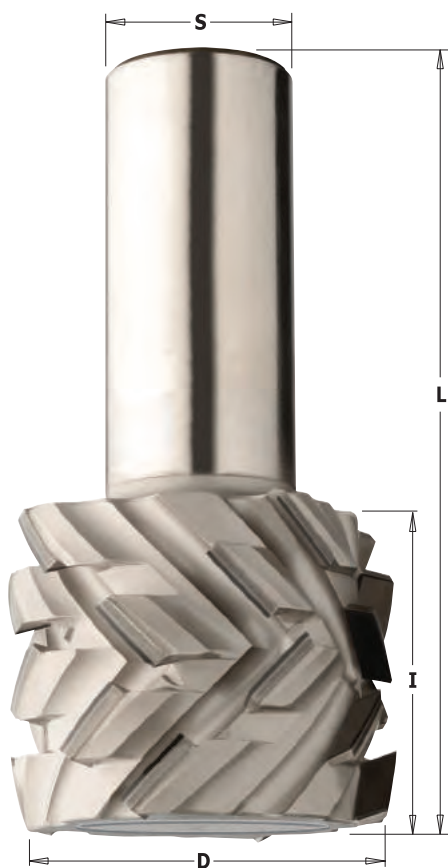


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# DP Router Cutters with 40° Shear Angle



DP
Z3+3
Z4+4
RH



## 145

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
□ 50	23	80	25x55	3+3 (9 DP)	1	<b>145.501.61</b>
□ 50	23	80	25x55	4+4 (12 DP)	1	<b>145.511.61</b>
□ 50	28	85	25x55	3+3 (12 DP)	1	<b>145.502.61</b>
□ 50	28	85	25x55	4+4 (16 DP)	1	<b>145.512.61</b>
□ 50	38	95	25x55	3+3 (18 DP)	1	<b>145.503.61</b>
□ 50	38	95	25x55	4+4 (24 DP)	1	<b>145.513.61</b>

□ On request

**TECHNICAL DETAILS:**

- Super strength steel.
- "H4" diamond cutting edges featuring 40° shear angle.
- Resharpenable cutters (max 8-10 times).
- Maximum feed speed 30m/minute.

**APPLICATION:**

used on all CNC routers for jointing, rabbeting, grooving, copying and dividing raw material, melamine, laminated, MDF, HPL and veneered panels. High performance routing.

Scott+Sargeant Woodworking Machinery Ltd  
 ENGLAND  
 Tel +44 (0) 1403 273000  
 www.scosarg.com