

ROUND PERFORATION STAGGERED ROWS

STEEL					Fo			x 200		n				250×2				00x3		
DC01/DD11/S								in mn			1	1		icknes				icknes		
Perforation (mm)			0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0	1.0	1.5	2.0	3.0	1.0	1.5	2.0	3.0
Rt 0.5 – 1.25	15	L																		
Rt 0.75 – 1.5	23		L																	
Rt 1 – 2	23	L	L	L																
Rt 1.25 – 2.5	23		L	L																
Rt 1.5 – 2.5	33		L	L	L								L							
Rt 1.5 – 3	23			L	L								L							
Rt 1.75 – 3	31			L	L															
Rt 2 – 3	40		L	L	L	L							L							
Rt 2 – 3.5	30	L	L	L	L	L							L	L	L					
Rt 2.5 – 4	35			L	L	L								L	L					
Rt 3 – 4	51		L	L	L	L	L						L							
Rt 3 – 5	33		L	L	L	L	L						L	L	L	L	L	L	L	
Rt 3 – 6	23					L	L													
Rt 3.5 – 5.5	37				L	L	L								L					
Rt 4 – 5	58			L	L															
Rt 4 – 6	40		L	L	L	L	L						L	L	L	L	L	L	L	L
Rt 4 – 7	30					L	L	L							L	L				
Rt 5 – 6	63			L																
Rt 5 – 7	46	L	L	L	L	L	L												L	
Rt 5 – 8	35		L	L	L	L	L	L					L	L	L	L	L	L	L	L
Rv 5 – 10	23							L	L											
Rt 6 – 8	51	L		L	L		L						L	L						
Rt 6 – 9	40			L	L	L	Ĺ						L	L	L	L		L	L	L
Rt 6 – 10	33						L	L												
Rt 7 – 9	55			1	1	L	Ī								1					
Rt 7 – 10	44			L	L	ī	Ĺ													
Rt 8 – 10	58				Ĺ	_	_													
Rt 8 – 11	48			L	L	L													L	
Rt 8 – 12	40			L	L	ī	L	L	L				1	L	L	1		T	Ī	
Rt 8 – 15	26		_	Ė		Ė	Ė	_	_	L	L		-	Ė	Ė	-		Ė	-	
Rt 9 – 13	44				L		L			_	_									
Rt 10 – 14	46			L	L	L	L							L	L	L	L	L	L	
Rt 10 – 15	40			L	Ĺ	L	L	L	L				1	L	ī	L	L	L	Ī	
Rt 10 – 18	28							_	_	L	L		_			_	_	_		_
Rt 10 – 20	23									_	_	L								
Rt 12 – 16	51			L	L	L	L	L				_		L						
Rt 12 – 20	33			_	_	_	L	_		L	L			_						
Rt 15 – 20	51			L	L	L	L	L	L	_	_	_		L	L					
Rt 20 – 25	58			L	L	L	L	L	L					L	L			L	L	
Rt 20 – 23 Rt 20 – 28	46				L	L	L	1	L						L			L	L	
Rt 20 – 28 Rt 20 – 30	40				L	L	L	L	L		L				L			L	L	
Rt 30 – 40							1				L									
	51						L	L	L	L								_		
Rt 40 - 50	58							L	-											
Rt 50 – 60	63							L	L											

ATTENTION: Further tools or optional formats/actual measurements available on short notice

 \emph{L} = 24/48 hours supplier service all over Austria L = Supply within 3 to max. 8 working days Subject to change

>> SENDZIMIR GALVANISED >> ALUMINIUM Page 11



ROUND PERFORATION STAGGERED ROWS

SENDZIMIR GALV	erforation (mm) Ao (%) 0.5				0 x 20		ı			x 250					× 300		
DX51D			T	hickne	ss in m	ım			Thick	ness in	mm			Thic	kness i	n mm	
Perforation (mm)	Ao (%)	0.5	0.75	1	1.5	2	3	0.75	1	1.5	2	3	0.75	1	1.5	2	3
Rt 1 – 2	23		L	L													
Rt 1.5 – 2.5	33		L	L													
Rt 2 – 3	40			L													
Rt 2 – 3.5	30		L	L	L	L		L	L				L				
Rt 2.5 – 4	35			L					L					L			
Rt 3 – 4	51		L	L					L								
Rt 3 – 5	33	L	L	L	L	L		L	L	L			L	L	L		
Rt 4 – 6	40		L	L	L	L		L	L	L			L	L	L		
Rt 4 – 8	23			L					L					L			
Rt 5 – 7	46		L	L				L	L					L		L	
Rt 5 – 8	35	L	L	L	L	L	L	L	L	L	L			L	L	L	
Rt 6 – 8	51	L	L	L	L				L	L	L			L			
Rt 6 – 9	40		L	L	L					L							
Rt 7 – 10	44			L													
Rt 8 – 10	58		L					L	L					L			
Rt 8 – 12	40			L	L	L			L	L	L			L	L	L	
Rt 10 – 14	46			L	L	L			L		L						
Rt 10 – 15	40			L	L	L	L		L	L	L			L	L	L	
Rt 15 – 20	51				L					L	L					L	
Rt 20 – 25	58									L	L					L	
Rt 20 – 28	46				L	L				L	L						

ALUMINIUM			Format	1000	× 200	0 mm		l Fo	rmat 1	250 x	2500	mm	l For	mat 1	500 x 3	3000 r	nm
AL99.5hh/EN AV	V1050A				in mm			10		ckness			101		ess in		11111
Perforation (mm)		0.5	0.75		1.5	2	3	0.75	1	1.5	2	3	0.75	1111001	1.5	2	3
Rt 1 – 2	23	0.5	0.73	L	1.5		3	0.73	'	1.5		J	0.73	'	1.5		3
Rt 1.5 – 2.5	33			L													
Rt 2 – 3	40			L													
Rt 2 – 3.5	30		L	L	L	L				L	L						
Rt 2.5 – 4	35		L		L	L				L	L						
Rt 3 – 4	51		1	L	L												
Rt 3 – 5	33		L	L	L	T		L		L	L			-			
Rt 4 – 5	58		L	Ė				L	L	L	L			L		L	
Rt 4 – 6	40		1	L		L		L	-	L	L			-	L		
Rt 5 – 7	46		L	L	L	L		L	L	L	L			L			
Rt 5 – 8	35		1	i i	i i		L	1		L	L	L		τ.	L	L	L
Rt 6 – 9	40						_	_	_					Ė		i	
Rt 8 – 12	40			L	Ĺ	ī				L	L	L				L	
Rt 10 – 14	48			L	_		L			Ĺ	_	_					
Rt 10 – 15	40			L	L	ī	L			L	L	L				L	L
Rt 15 – 20	51			_			Ĺ			_	·				_		_
Rt 20 – 28	46					T					Ī						

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Subject to change

>> STAINLESS STEEL Page 13



ROUND PERFORATION STAGGERED ROWS

All positions available sanded on one or both sides with supplier times 10-12 WD

STAINLESS ST					ıt 1000					Formo	at 1250	× 250	0 mm	Formo	at 1500	× 300	0 mm
1.4301/X5CrNi	18-10			Th	nicknes	s in mr	n			T	hickne	ss in m	m	Tł	nicknes	s in mr	
Perforation (mm)	Ao (%)		0.75	1	1.5	2	3	4	5	1	1.5	2	3	1	1.5	2	3
Rt 0.6 – 1.25	21	0,4															
Rt 0.75 – 1.5	23	0,6															
Rt 1 – 2	23	L	L														
Rt 1.1 – 2	27		L														
Rt 1.25 – 2.5	23			L													
Rt 1.5 – 2.5	33	L	L	L													
Rt 1.5 – 3	23			L													
Rt 2 – 3	40			L	L												
Rt 2 – 3.5	30	L	L	L	L					L	L						
Rt 2.5 – 4	35			L													
Rt 3 – 4	51		L	L													
Rt 3 – 5	33	L	L	L	L	L	L			L	L	L		L	L		
Rt 3 – 6	23						L										
Rt 4 – 6	40		L	L	L	L				L	L	L		t			
Rt 4 – 7	30					L	L										
Rt 5 – 7	46	L		L	L												
Rt 5 – 8	35		L	L	L*	L	L			L	L	L	L	L	L	L	
Rt 6 – 8	51		L	L	L												
Rt 6 – 9	40		L	L	L	L	L				L				L		
Rt 7 – 9	55					L											
Rt 7 – 10	44			L													
Rt 8 – 10	58		L	L	L												
Rt 8 – 11	48			L	L	L											
Rt 8 – 12	40			L	L	L	L			L	L	L		L	L		
Rt 10 – 14	46			L	L	L											
Rt 10 – 15	40			L	L**	L	L	L	L	L	L	L			L	L	
Rt 12 – 16	51			L		L											
Rt 15 – 20	51				L	L											
Rt 20 – 28	46				L	L						L				L	
Rt 20 – 30	40					L											

^{*}also available sanded on one side K 220 / K240 + foil

^{**}also available sanded on both sides K 220 / K240 + foil

STAINLESS ST	EEL			Format	1000	x 200	0 mm			IFormo	ıt 1250) x 25(00 mm	l Formo	at 1500	0 x 30	00mm
1.4571/X6CrNiMo					nicknes						Thickne				nicknes		
Perforation (mm)	Ao (%)	0.5	0.75	1	1.5	2	3	4	5	1	1.5	2	3	1	1.5	2	3
Rt 1.25 – 2.5	23			L													
Rt 2 – 3.5	30			L	L												
Rt 3 – 5	33			L	L	L						L					
Rt 4 – 6	40			L	L	L				L	L			L			
Rt 5 – 8	35		L	L	L	L	L			L	L	L		L	L	L	
Rt 6 – 9	40				L	L											
Rt 8 – 12	40			L	L	L											
Rt 10 – 15	40			L	L	L					L						

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ROUND PERFORATION STRAIGHT ROWS

STEEL		Fo	ormat 1	000 x 2	2000 mr	n	Fo	ormat 1:	250 x 2	2500 mr	n	Fo	rmat 13	500 x 3	000 mn	n
DC01/DD11/S	235JR		Thicl	kness in	mm			Thickn	ness in 1	mm			Thic	kness ir	n mm	
Perforation (mm)	Ao (%)	0.75	1	1.5	2	3	0.75	1	1.5	2	3	0.75	1	1.5	2	3
Ru 4.5 – 15	7		L	L				L	L				L	L		
Ru 4.5 Euro	7		L	L					L							
Ru 4.5 – 25	3			L	L				L							
Ru 5 – 8	31		L	L												
Ru 5 – 15	9		L	L												
Ru 5 Euro	8		L	L					L							
Ru 5 – 25	3		L	L				L								
Ru 10 – 15	35			L												
Ru 10 – 20.78	18				L					L					L	
Ru 15 – 36.38	13				L					L						
Ru 20 – 48.5	13			L	L				L	L				L	L	

SENDZIMIR GALV	ANISED	Fo	rmat 1	000 x 2	2000 m	ım	Fo	rmat 1	250 x :	2500 m	nm	For	mat 15	500 x 3	000 m	m
DX51D			Thick	ness in	mm			Thick	kness ir	n mm			Thicl	kness in	mm	
Perforation (mm)	Ao (%))	0.75	1	1.5	2	3	0.75	1	1.5	2	3	0.75	1	1.5	2	3
Ru 4.5 – 15	7		L	L					L					L		
Ru 5 – 8	31		L	L												
Ru 8 – 17.32	17			L												
Ru 10 – 20.78	18				L					L					L	
Ru 15 – 36.38	13			L												
Ru 20 – 48.5	13			L	L				L	L				L	L	

ALUMINIUM		Fo	rmat 10	000 x 2	2000 m	m	Fo	ormat 1	250 x	2500 r	nm	Fo	rmat 13	500 x 3	3000 m	ım
AL99.5hh/EN A	W1050A		Thic	kness i	n mm			Thick	ness in	mm			Thic	kness i	n mm	
Perforation (mm)	Ao (%))	0.75	1	1.5	2	3	0.75	1	1.5	2	3	0.75	1	1.5	2	3
Ru 4.5 – 15	7			L	L				L	L					L	
Ru 5 – 8	31		L	L												
Ru 5 – 12	14		L	L												
Ru 8 – 17.32	17				L											
Ru 10 – 15	35				L											
Ru 10 – 20.78	18				L					L					L	
Ru 10 – 25.98	12				L					L						
Ru 15 – 34.64	15				L					L						
Ru 15 – 36.38	13				L					L						
Ru 20 – 48.5	13				L					L					L	

All positions possible sanded on one or both sides with supplier times 10-12 WD possible

STAINLESS ST	EEL	Fo	rmat 1	000 x 2	2000 m	ım	Fo	rmat 1	250 x 2	2500 m	nm	Foi	rmat 15	500 x 3	000 m	m
1.4301/X5CrNi1	8-10		Thic	kness ir	n mm			Thick	ness in	mm			Thic	kness i	n mm	
Perforation (mm)	Ao (%)	0.75						1	1.5	2	3	0.75	1	1.5	2	3
Ru 4.5 – 15	7			L*/**					L*/**							
Ru 8 – 17.32	1 <i>7</i>			L**												
Ru 10 – 15	40			L*/**					L*							
Ru 10 – 20.78	18			L**					L**							
Ru 10 – 25.98	12			L*/**					L**							
Ru 15 – 36.38	13			L**												
Ru 20 – 48.5	13			L*/**					L**							

^{*}also in stock sanded on one side K 220 / K240 + foil

^{**}also in stock sanded on both sides K 220 / K240 +



SQUARE PERFORATION STRAIGHT ROWS

STEEL		Fori	mat 1000	0 x 2000	mm	For	mat 125	0 x 2500) mm	Forr	mat 1500	0 x 3000	mm
DC01/DD11/S2	235JR		Thickne	ss in mm	1		Thickn	ess in mi	m		Thickn	ess in mn	n
Perforation (mm)	Ao (%)	1	1.5	2	3	1	1.5	2	3	1	1.5	2	3
Cu 4 – 7	32	L	L			L							
Cu 5 – 7	51	L	L	L									
Cu 5 – 7.5	44	L	L	L		L	L	L					
Cu 5 – 8	39	L	L	L		L	L	L		L	L		
Cu 5 – 16	10	L	L			L	L						
Cu 6 – 9	44	L	L	L			L	L					
Cu 7 – 10	49	L											
Cu 8 – 10	64	L	L	L			L	L			L		
Cu 8 – 12	44	L	L	L	L	L	L	L		L	L	L	
Cu 10 – 12	69	L	L	L			L	L			L	L	
Cu 10 – 14	51	L	L	L	L	L	L	L			L	L	
Cu 10 – 15	44	L	L	L	L	L	L	L	L	L	L	L	L
Cu 10 – 30	11	L	L	L				L				L	
Cu 15 – 20	56	L	L	L	L		L	L				L	
Cu 20 – 25	64	L	L	L	L		L	L					
Cu 20 - 50	16			L				L				L	
Cu 25 – 30	69	L	L	L				L					

SENDZIMIR GALV	ANISED	For	mat 100	0 × 2000) mm	For	mat 1250	0 x 2500) mm	For	mat 1500	0 x 3000	mm
DX51D			Thickne	ss in mm			Thickne	ss in mm			Thickne	ess in mm	
Perforation (mm)	Ao(%))	1	1.5	2	3	1	1.5	2	3	1	1.5	2	3
Cu 5 – 7.5	44	L	L	L									
Cu 5 – 8	39	L	L	L		L	L						
Cu 7 – 10	49	L				L							
Cu 8 – 10	64	L	L	L		L	L			L			
Cu 8 – 12	44	L	L	L			L	L			L		
Cu 10 – 12	69	L	L	L		L	L	L		L	L		
Cu 10 – 14	51	L	L	L		L	L	L		L	L	L	
Cu 10 – 15	44	L	L	L	L	L	L	L		L	L	L	
Cu 20 – 50	16		L				L						

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>> STAINLESS STEEL >> ALUMINIUM next page

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SQUARE PERFORATION STRAIGHT ROWS

ALUMINIUM		Forn	nat 1000	x 2000	mm	Forn	nat 1250	× 2500	mm	Form	nat 1500	x 3000	mm
AL99.5hh/EN AV	V1050A		Thicknes	s in mm			Thickness	s in mm			Thickne	ss in mm	
Perforation (mm)	Ao (%)	1	1.5	2	3	1	1.5	2	3	1	1.5	2	3
Cu 4 – 7	32		L										
Cu 5 – 7.5	44	L	L	L									
Cu 5 – 8	39	L	L	L		L	L	L					
Cu 5 – 16	10			L				L				L	
Cu 6 – 9	44		L	L									
Cu 7 – 10	49	L				L							
Cu 8 – 10	64		L	L									
Cu 8 – 12	44	L	L	L				L				L	
Cu 10 – 12	69		L	L			L				L		
Cu 10 – 14	51	L	L	L		L	L	L			L	L	
Cu 10 – 15	44	L	L	L	L		L	L	L		L	L	
Cu 10 – 30	11			L				L				L	
Cu 15 – 40	14			L				L				L	
Cu 20 – 50	16			L				L				L	
Cu 25 – 70	13			L				L					

All positions possible sanded on one or both sides with supplier times 10-12 WD possible

STAINLESS STEEL		Format 1000 x 2000 mm			Format 1250 x 2500 mm			Format 1500 x 3000 mm					
1.4301/X5CrNi18-10		Thickness in mm			Thickness in mm			Thickness in mm					
Perforation (mm)	Ao (%)	1	1.5	2	3	1	1.5	2	3	1	1.5	2	3
Cu 5 – 7.5	51	L											
Cu 5 – 7.5	44	L	L										
Cu 5 – 8	39	L	L	L		L	L			L			
Cu 5 – 16	10		L*/**				L*/**						
Cu 8 – 10	64	L	L				L						
Cu 8 – 12	44	L	L	L		L	L				L		
Cu 10 – 12	69	L	L				L				L		
Cu 10 – 14	51	L	L	L		L	L			L	L		
Cu 10 – 15	44	L	L*/**	L		L	L*/**	L			L	L	
Cu 10 – 30	11		L**				L*/**				L*/**		
Cu 15 – 40	14		L*/**				L*/**				L*/**		
Cu 20 – 50	16		L**				L*/**				L*/**		

^{*}in stock sanded on one side K 220 / K240 + foil

^{**}also in stock sanded on both sides K 220 / K240 + foil

STAINLESS STEEL Format 1000 x 2000 mm			Format 1250 x 2500 mm			Format 1500 x 3000 mm							
1.4571/X6CrNiMo		Thickness in mm			Thickness in mm			Thickness in mm					
Perforation (mm)		1	1.5	2	3	1	1.5	2	3	1	1.5	2	3
Cu 5 – 7.5	44	L											
Cu 5 – 8	39	L	L	L									
Cu 8 – 10	64	L											
Cu 8 – 12	44			L									
Cu 10 – 12	69	L											
Cu 10 – 14	51		L	L			L						
Cu 10 – 15	44	L	L	L									

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PRESSED METAL SHEETS / EMBOSSED METAL SHEETS

The following embossments are manufactured in serial production:

D: 3 – 8 working days

Formats: $1000 \times 2000 \text{ mm} \mid 1250 \times 2500 \text{ mm} \mid 1500 \times 3000 \text{ mm} \mid + \text{actual measurements}$

Thickness: 1 to 3 mm (everything above upon request)

Materials: Steel | Sendzimir galvanised | Aluminium | Stainless steel sanded /3D + foil

EMBOSSMENT (MM)	Partition A	Partition B	Partition C	Partition D
Round diameter 10	20	25	30	40
Round diameter 15	30	45	60	
Round diameter 20	30	40	50	60
Round diameter 30	45	60		
Round diameter 40	60	80		
Round diameter 50	75	100		

Partitions: Standard = Ru = arranged in straight rows. **Arrangements:** Rt/Rm = 60/45 degrees staggered, possible any time.

EMBOSSMENT (MM)	Partition A	Partition B	Partition C	Partition D
Square diameter 10	20	25	30	40
Square diameter 15	30	45	60	
Square diameter 20	30	40	50	60
Square diameter 30	45	60		
Square diameter 40	60	70	80	

Partitions: Standard = Cu = arranged in straight rows.

Partitions: Cz/Cd = 60 degrees staggered/diagonal possible any time.

Embossment tools: Production with variable partitions possible at short notice.

Slotted hole 6 x 25 mm	Rectangular hole 10 x 50 mm	
Slotted hole 7 x 30 mm	Rectangular hole 15 x 55 mm	
Slotted hole 8 x 25 mm	Further tools available	
Slotted hole 9 x 40 mm		
Slotted hole 10 x 30 mm		
Slotted hole 11 x 50 mm		

ATTENTION: All embossments are produced for **visual** applications.