



Wuchttabelle



AUSWUCHTTABELLE

Für auswuchtbaren Feinbohrkopf Urma B05 40 20 067

Balancing chart

For Urma fine boring head, balanced B05 40 20 067

Table d'équilibrage

Pour tête micrométrique Urma B05 40 20 067



Auswuchten Feinbohrkopf

1. Sicherungsschraube A lösen
2. Die beiden Skalen entsprechend der Tabelle in Übereinstimmung bringen
3. Sicherungsschraube wieder anziehen

Balancing the fine boring head

1. Loosening the locking screw A
2. Align the two scales to set the bore diameter
3. Re-tighten the locking screw

Equilibrage de la tête micrométrique

1. Desserrer la vis A de sûreté sur la bague d'équilibrage
2. Faire coïncider les deux échelles graduées en fonction du diamètre
3. Resserrer la vis de sûreté

Beispiel, Example, Exemple

Bestellnummer Part number No de cde	Bohrung \varnothing Bore \varnothing Alésage \varnothing	Bohrung \varnothing mm			Bore \varnothing mm		Alésage \varnothing mm	
		6	7	8				
R105.1823.3.5	5-10	(30-35) 32	(30-35) 32,5					



Bohrung \varnothing 0,3 - 1,0 mm

Schneidplatte linke Ausführung

Für diesen Bereich muss der Klemmhalter B105.0016.U1.01 um 180° gedreht eingesetzt werden, um den gewünschten \varnothing einstellen zu können.

Bore \varnothing 0,3 - 1,0 mm

Insert type left hand

For this bore range, it's necessary to turn the Insertholder B105... by 180°. With this option, it is possible to set the insert behind the centre line which is necessary for \varnothing less than 1,0 mm.

Alésage \varnothing 0,3 - 1,0 mm

Plaquette de coupe gauche

Pour ces dimensions la douille de réduction B105.0016.U1.01 doit être tournée de 180°. De telle façon à ce que le réglage soit réalisable seulement par le centre arrière.



Bohrung \varnothing > 1,0 mm

Schneidplatte rechte Ausführung

Bore \varnothing > 1,0 mm

Insert type right hand

Alésage \varnothing > 1,0 mm

Plaquette de coupe droite

WUCHTTABELLE - DREHEN > 0,3 mm

Balancing chart

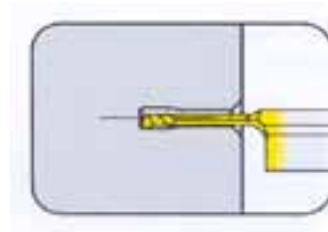
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B105.0016.U1.01



Werkzeuge Seite 7, tools page 7, outils page 7

Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm		Bore ø mm		Alésage ø mm	
		0,3	0,5 0,7	1	1,3 2 2,5	3	4
L105.1802.0.03 *	0,3-1	(15-20) 17	(15-20) 16.3				
L105.1802.0.05 *	0,5-1,3	(10-15) 12	(10-15) 11.5	(20-25) 21			
L105.1803.0.07 *	0,7-1	(10-15) 10.3	(10-15) 10				
R105.1805.005.0.1			(10-15) 10	(10-15) 11	(10-15) 12		
R105.1805.005.1.1	1-3		(10-15) 10	(10-15) 11	(10-15) 12		
R105.1805.005.2.1			(10-15) 10	(10-15) 11	(10-15) 12		
R105.1805.0.1			(10-15) 10	(10-15) 11	(10-15) 12		
R105.1805.1.1	1-3		(10-15) 10	(10-15) 11	(10-15) 12		
R105.1805.2.1			(10-15) 10	(10-15) 11	(10-15) 12		
R105.1813.005.0.15				(10-15) 9.9	(10-15) 10.5	(10-15) 10.5	
R105.1813.005.1.15	2,5-4			(10-15) 9.9	(10-15) 10.5	(10-15) 10.5	
R105.1813.005.2.15				(10-15) 9.9	(10-15) 10.3	(10-15) 10.3	
R105.1813.01.0.15				(10-15) 9.9	(10-15) 10.5	(10-15) 10.5	
R105.1813.01.1.15	2,5-4			(10-15) 9.9	(10-15) 10.5	(10-15) 10.5	
R105.1813.01.2.15				(10-15) 9.9	(10-15) 10.3	(10-15) 10.3	

* Klemmhalter B105.0016.U1.01 muss um 180° gedreht eingesetzt werden, somit ist ein Verstellen nur hinter Mitte für diesen Bereich realisierbar.

* It's necessary to turn the Insertholder B105.0016.U1.01 by 180°. With this option, it is possible to set the insert behind the centre line which is necessary for ø less than 1.0 mm.

* La douille de réduction B105.0016.U1.01 doit être tournée de 180°. De telle façon à ce que le réglage soit réalisable seulement par le centre arrière.

WUCHTTABELLE - DREHEN > 2,0 mm

Balancing chart

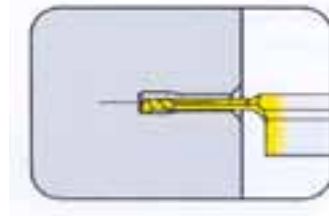
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B105.0016.U1.01



Werkzeuge Seite 8, tools page 8, outils page 8

Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm		Bore ø mm		Alésage ø mm	
		2	3	4	5	6	7
R105.1809.005.0.2		(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15
R105.1809.005.1.2	2-7	(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15
R105.1809.005.2.2		(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15
R105.1809.01.0.2		(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15
R105.1809.01.1.2	2-7	(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15
R105.1809.01.1.2		(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15
R105.1809.0.2		(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15
R105.1809.1.2	2-7	(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15
R105.1809.2.2		(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(10-15) 15

WUCHTTABELLE - DREHEN > 3,0 mm

Balancing chart

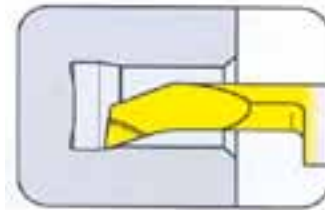
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B105.0016.U1.01



Werkzeuge Seite 9, tools page 9, outils page 9

Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm Bore ø mm Alésage ø mm						
		3	4	5	6	7	8	9
R105.1813.005.1.3	3-8	(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(10-15) 14.5	(15-20) 19.9	
R105.1813.005.2.3		(10-15) 10.5	(10-15) 11.5	(10-15) 13.5	(10-15) 13.5	(10-15) 14.5	(15-20) 19.9	
R105.1813.005.3.3		(10-15) 10.5	(10-15) 11.4	(10-15) 13.4	(10-15) 13.4	(10-15) 14.4	(15-20) 19.8	
R105.1813.01.1.3	3-8	(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(10-15) 14.5	(15-20) 19.9	
R105.1813.01.2.3		(10-15) 10.5	(10-15) 11.5	(10-15) 13.5	(10-15) 13.5	(10-15) 14.5	(15-20) 19.9	
R105.1813.01.3.3		(10-15) 10.5	(10-15) 11.4	(10-15) 13.4	(10-15) 13.4	(10-15) 14.4	(15-20) 19.8	
R105.1813.1.3	3-8	(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(10-15) 14.5	(15-20) 19.9	
R105.1813.2.3		(10-15) 10.5	(10-15) 11.5	(10-15) 13.5	(10-15) 13.5	(10-15) 14.5	(15-20) 19.9	
R105.1813.3.3		(10-15) 10.5	(10-15) 11.4	(10-15) 13.4	(10-15) 13.4	(10-15) 14.4	(15-20) 19.8	
R105.1819.005.1.4	4-9		(10-15) 10.3	(10-15) 11.3	(10-15) 12.3	(10-15) 13.3	(10-15) 14.3	(15-20) 19.7
R105.1819.005.2.4		(10-15) 10.2	(10-15) 11.2	(10-15) 12.2	(10-15) 13.2	(10-15) 14.2	(15-20) 19.7	
R105.1819.005.3.4		(10-15) 10.2	(10-15) 11.2	(10-15) 12.2	(10-15) 13.2	(10-15) 14.2	(15-20) 19.7	
R105.1819.1.4	4-9		(10-15) 10.3	(10-15) 11.3	(10-15) 12.3	(10-15) 13.3	(10-15) 14.3	(15-20) 19.7
R105.1819.2.4		(10-15) 10.2	(10-15) 11.2	(10-15) 12.2	(10-15) 13.2	(10-15) 14.2	(15-20) 19.7	
R105.1819.3.4		(10-15) 10.2	(10-15) 11.2	(10-15) 12.2	(10-15) 13.2	(10-15) 14.2	(15-20) 19.7	

WUCHTTABELLE - DREHEN > 5,0 mm

Balancing chart

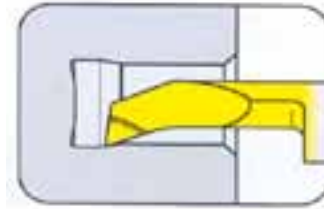
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B105.0016.U1.01



Werkzeuge Seite 10, tools page 10, outils page 10

Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm Bore ø mm Alésage ø mm								
		5	6	7	8	9	10	11	12	13
R105.1823.005.1.5	5-10	(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28			
R105.1823.005.2.5		(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1			
R105.1823.005.3.5		(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28			
R105.1823.005.4.5		(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28			
R105.1823.005.5.5		(10-15) 10.3	(10-15) 11.3	(10-15) 12.3	(10-15) 13.3	(15-20) 19	(25-30) 28			
R105.1823.1.5	5-10	(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28			
R105.1823.2.5		(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1			
R105.1823.3.5		(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28			
R105.1823.4.5		(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28			
R105.1823.5.5		(10-15) 10.3	(10-15) 11.3	(10-15) 12.3	(10-15) 13.3	(15-20) 19	(25-30) 28			
R105.1833.005.2.6	7-12			(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19.1	(25-30) 28.1	
R105.1833.005.3.6				(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28	
R105.1833.005.4.6				(10-15) 10.4	(10-15) 11.3	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28	
R105.1833.005.5.6				(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28	
R105.1833.2.6	7-12			(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19.1	(25-30) 28.1	
R105.1833.3.6				(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28	
R105.1833.4.6				(10-15) 10.4	(10-15) 11.3	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28	
R105.1833.5.6				(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28	
R105.1840.005.3.7	8-13				(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(15-20) 19.5
R105.1840.005.4.7					(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(15-20) 19.5
R105.1840.005.5.7					(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(15-20) 19.5
R105.1840.3.7	8-13				(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(15-20) 19.5
R105.1840.4.7					(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(15-20) 19.5
R105.1840.5.7					(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(15-20) 19.5

WUCHTTABELLE - DREHEN > 4,0 mm

Balancing chart

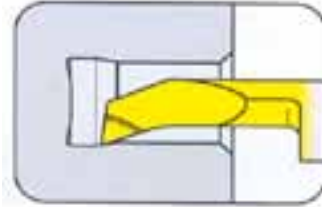
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B105.0016.U1.01



Werkzeuge Seite 11, tools page 11, outils page 11

Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm Bore ø mm Alésage ø mm										
		4	5	6	7	8	9	10	11	12	13	
R105.1819.1.H4	4-9	(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28					
R105.1819.2.H4		(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28					
R105.1819.3.H4		(10-15) 10.3	(10-15) 11.3	(10-15) 12.3	(10-15) 13.3	(15-20) 19	(25-30) 28					
R105.1823.1.H5	5-10		(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1				
R105.1823.2.H5			(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1				
R105.1823.3.H5			(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1				
R105.1823.4.H5			(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19	(25-30) 28				
R105.1823.5.H5			(10-15) 10.4	(10-15) 11.4	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1				
R105.1833.2.H6	7-12				(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1		
R105.1833.3.H6					(10-15) 10.4	(10-15) 11.4	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1		
R105.1833.4.H6					(10-15) 10.4	(10-15) 11.4	(10-15) 12.5	(10-15) 13.5	(15-20) 19.1	(25-30) 28.1		
R105.1833.5.H6					(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(15-20) 19.1	(25-30) 28.1		
R105.1840.3.H7	8-13					(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13.1	(10-15) 14.1	(15-20) 19.5	
R105.1840.4.H7						(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(15-20) 19.5	
R105.1840.5.H7						(10-15) 10	(10-15) 11	(10-15) 12	(10-15) 13	(10-15) 14	(15-20) 19.5	

WUCHTTABELLE - DREHEN > 4,0 mm

Balancing chart

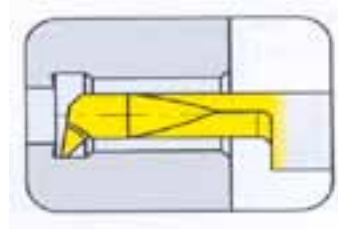
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B105.0016.U1.01



Werkzeuge Seite 12, tools page 12, outils page 12

Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm Bore ø mm Alésage ø mm									
		4	5	6	7	8	9	10	11	12	
R105.4719.3.4	4-9	(10-15) 10.3	(10-15) 11.3	(10-15) 12.3	(10-15) 13.3	(15-20) 19	(25-30) 28				
R105.4723.4.5	5-10		(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.5	(10-15) 14.5	(20-25) 24			
R105.4733.5.6	7-12				(10-15) 10.2	(10-15) 11.2	(10-15) 12.5	(15-20) 18	(15-20) 19	(15-20) 19.8	

WUCHTTABELLE - DREHEN > 3,0 mm

Balancing chart

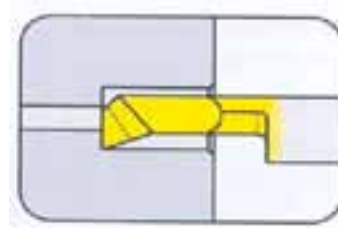
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B105.0016.U1.01



Werkzeuge Seite 13, tools page 13, outils page 13

Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm			Bore ø mm	Alésage ø mm				
		3	4	5	6	7	8	9	10	
R105.9013.1.3	3-8	(10-15) 10.6	(10-15) 11.6	(10-15) 12.6	(10-15) 13.7	(10-15) 14.6	(20-25) 24			
R105.9013.2.3		(10-15) 10.6	(10-15) 11.6	(10-15) 12.6	(10-15) 13.7	(10-15) 14.6	(20-25) 24			
R105.9019.1.4	4-9		(10-15) 10.4	(10-15) 11.4	(10-15) 12.4	(10-15) 13.4	(10-15) 14.4	(25-30) 28		
R105.9019.2.4			(10-15) 10.2	(10-15) 11.2	(10-15) 12.2	(10-15) 13.2	(10-15) 14.1	(25-30) 27.8		
R105.9023.1.5	5-10			(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.6	(10-15) 14.6	(20-25) 24	
R105.9023.2.5				(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.6	(10-15) 14.6	(20-25) 24	
R105.9023.3.5				(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(10-15) 13.6	(10-15) 14.5	(20-25) 24	

WUCHTTABELLE - DREHEN > 5,0 mm

Balancing chart

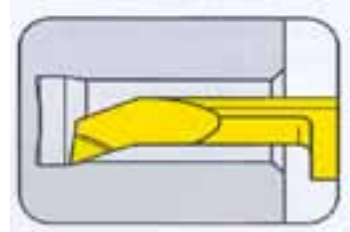
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B105.0016.U1.02



Werkzeuge Seite 14, tools page 14, outils page 14

Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm Bore ø mm Alésage ø mm								
		5	6	7	8	9	10	11	12	13
R105.1823.4.5.2	5-10	(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(25-30) 27	(30-35) 32.5	(20-25) 24.2			
R105.1823.5.5.2		(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(25-30) 27	(30-35) 32.5	(20-25) 24.2			
R105.1833.4.6.2	7-12			(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(25-30) 27	(30-35) 32.5	(20-25) 24.2	
R105.1833.5.6.2				(10-15) 10.5	(10-15) 11.5	(10-15) 12.5	(25-30) 27	(30-35) 32.5	(20-25) 24.2	
R105.1840.4.7.2	8-13				(10-15) 10	(10-15) 11	(15-20) 17	(15-20) 18	(15-20) 19	(15-20) 19.8
R105.1840.5.7.2					(10-15) 10	(10-15) 11	(15-20) 17	(15-20) 18	(15-20) 19	(15-20) 19.8
R105.4733.5.6.2	7-12			(10-15) 10.3	(10-15) 11.5	(10-15) 12.6	(10-15) 13.7	(10-15) 14.8	(20-25) 24.2	

WUCHTTABELLE - DREHEN > 6,0 mm

Balancing chart

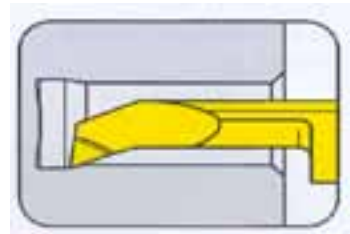
Table d'équilibrage

Klemmhalter Typ

Toolholder type

Douille de réduction

B110.0016.U1.02



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Bestellnummer Part number No de cde	Bohrung ø Bore ø Alésage ø	Bohrung ø mm Bore ø mm Alésage ø mm								
		6	7	8	9	10	11	12	13	
R110.1829.7.6	6-11	(30-35) 30	(25-30) 26	(15-20) 18	(25-30) 27.5	(20-25) 24.2	(25-30) 29			
R110.1829.9.6		(30-35) 30	(25-30) 26	(15-20) 18	(25-30) 27.5	(20-25) 24.2	(25-30) 29			
R110.1829.9.8	8-13			(10-15) 10	(10-15) 11.5	(10-15) 13	(15-20) 19	(15-20) 20	(25-30) 28.9	



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