

ToYo Tool®

# SOLID CARBIDE BACK CHAMFERING SERIES

*No more burrs on the front or back  
of a through hole!*

***Back chamfer of the  
small-diameter hole***

## Product lineup

- ***Chamfering cutter for the aluminum***
- ***Chamfering cutter for the stainless steel***
- ***Chamfering cutter for the general steel***
- ***Chamfering cutter for the titanium***

For aluminum BCM / WCM cutter

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Model number	Tip diameter D1	Tip length L1	Fled diameter D2	Clearance length L2	Effective cutting length H	The number of blade	Shank diameter DS	Full length L
BCM45-1.05-0.35-3.5	1.05	1.05	0.35	3.5	0.3	3	φ3	50
BCM45-1.2-0.45-3.5	1.2	1.2	0.45	3.5	0.325			
BCM45-1.2-0.45-5				5				
BCM45-1.3-0.5-3.5	1.3	1.3	0.5	3.5	0.35			
BCM45-1.3-0.5-5				5				
BCM45-1.8-0.8-5				1.8				
BCM45-2.4-1.0-10	2.4	2.4	1	10	0.65			
BCM45-4.0-2.0-15	4	4	2	15	0.95			
WCM45-5.0-2.8-20	5	5	2.8	20	1.05			
WCM45-8.0-4.8-25	8	8	4.8	25	1.55	3 (herringbone)	φ8	70

For stainless steel SUS-BCM / SUS-WCM cutter

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Model number	Tip diameter D1	Tip length L1	Fled diameter D2	Clearance length L2	Effective cutting length H	The number of blade	Shank diameter DS	Full length L			
SUS-BCM45-1.3-0.8-3.5	1.3	1.3	0.8	3.5	0.2	3	φ3	50			
SUS-BCM45-1.3-0.8-5				5							
SUS-BCM45-2.3-1.2-6				2.3					2.3	1.2	6
SUS-BCM45-2.3-1.2-8	8										
SUS-BCM45-2.3-1.2-10	10										
SUS-BCM45-3.8-2.0-8	3.8	3.8	2	8	0.85				3	φ4	60
SUS-BCM45-3.8-2.0-10				10							
SUS-BCM45-3.8-2.0-15				15							
SUS-WCM45-5.0-2.8-10				5		5	2.8	10			
SUS-WCM45-5.0-2.8-15	15										
SUS-WCM45-5.0-2.8-20	20										
SUS-WCM45-8.0-4.8-15	8	8	4.8		15			1.55	3	φ8	70
SUS-WCM45-8.0-4.8-20				20							
SUS-WCM45-8.0-4.8-25				25							

For general steel materials STEEL-BCM / STEEL-WCM cutter

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Model number	Tip diameter D1	Tip length L1	Fled diameter D2	Clearance length L2	Effective cutting length H	The number of blade	Shank diameter DS	Full length L			
STEEL-BCM45-1.3-0.8-3.5	1.3	1.3	0.8	3.5	0.2	3	φ3	60			
STEEL-BCM45-1.3-0.8-5				5							
STEEL-BCM45-2.3-1.2-4	2.3	2.3	1.2	4	0.5						
STEEL-BCM45-2.3-1.2-6				6							
STEEL-WCM45-3.8-2.0-5	3.8	2.8	2	5	0.85				3	φ4	60
STEEL-WCM45-3.8-2.0-10				10							
STEEL-WCM45-5.0-2.8-10				5							
STEEL-WCM45-5.0-2.8-15	15										
STEEL-WCM45-5.0-2.8-20	20										
STEEL-WCM45-8.0-4.8-15	8	8	4.8		15	1.55	3	φ8			
STEEL-WCM45-8.0-4.8-20				20							
STEEL-WCM45-8.0-4.8-25				25							

For titanium TITAN-BCM / TITAN-WCM cutter

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Model number	Tip diameter D1	Tip length L1	Fled diameter D2	Clearance length L2	Effective cutting length H	The number of blade	Shank diameter DS	Full length L			
TITAN-BCM45-1.3-0.8-3.5	1.3	1.3	0.8	3.5	0.2	3	φ3	60			
TITAN-BCM45-1.3-0.8-5				5							
TITAN-BCM45-2.3-1.2-4				2.3					2.3	1.2	4
TITAN-BCM45-2.3-1.2-6	6										
TITAN-WCM45-3.8-2.0-5	3.8	2.3	2	5	0.85				3	φ4	60
TITAN-WCM45-3.8-2.0-10				10							
TITAN-WCM45-5.0-2.8-10				5							
TITAN-WCM45-5.0-2.8-15	15										
TITAN-WCM45-5.0-2.8-20	20										
TITAN-WCM45-8.0-4.8-15	8	6	4.8		15	1.55	3	φ8			
TITAN-WCM45-8.0-4.8-20				20							
TITAN-WCM45-8.0-4.8-25				25							

