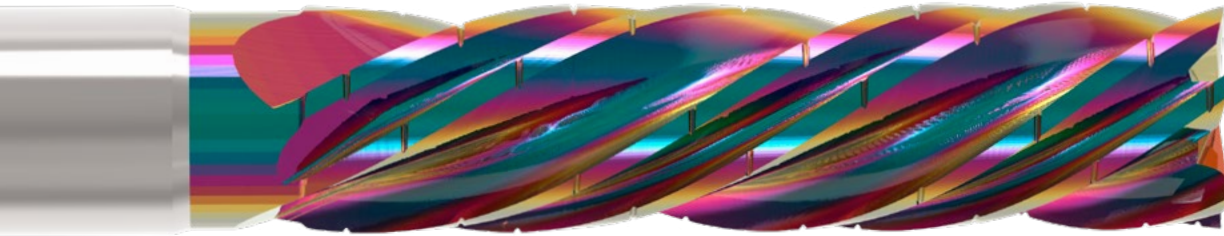
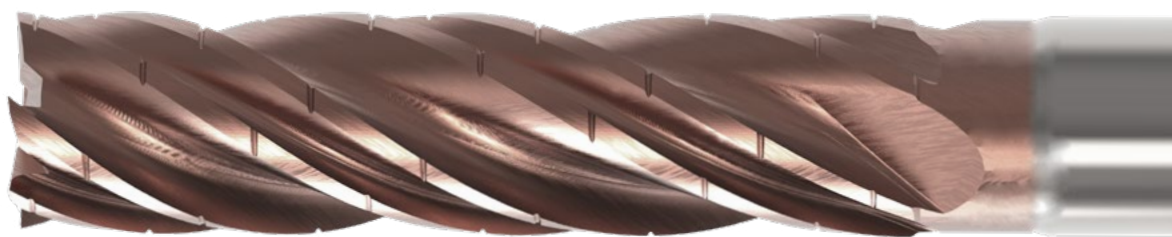
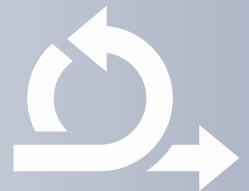


TROCHOID XL & XXL

HBmicrotec[®]
ACTIONTOOLS & ENGINEERING

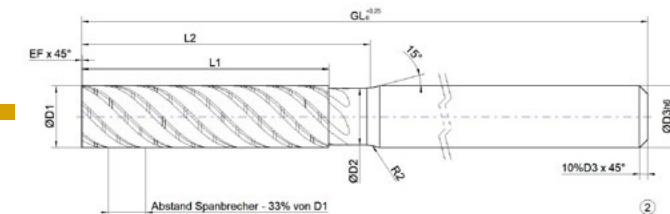
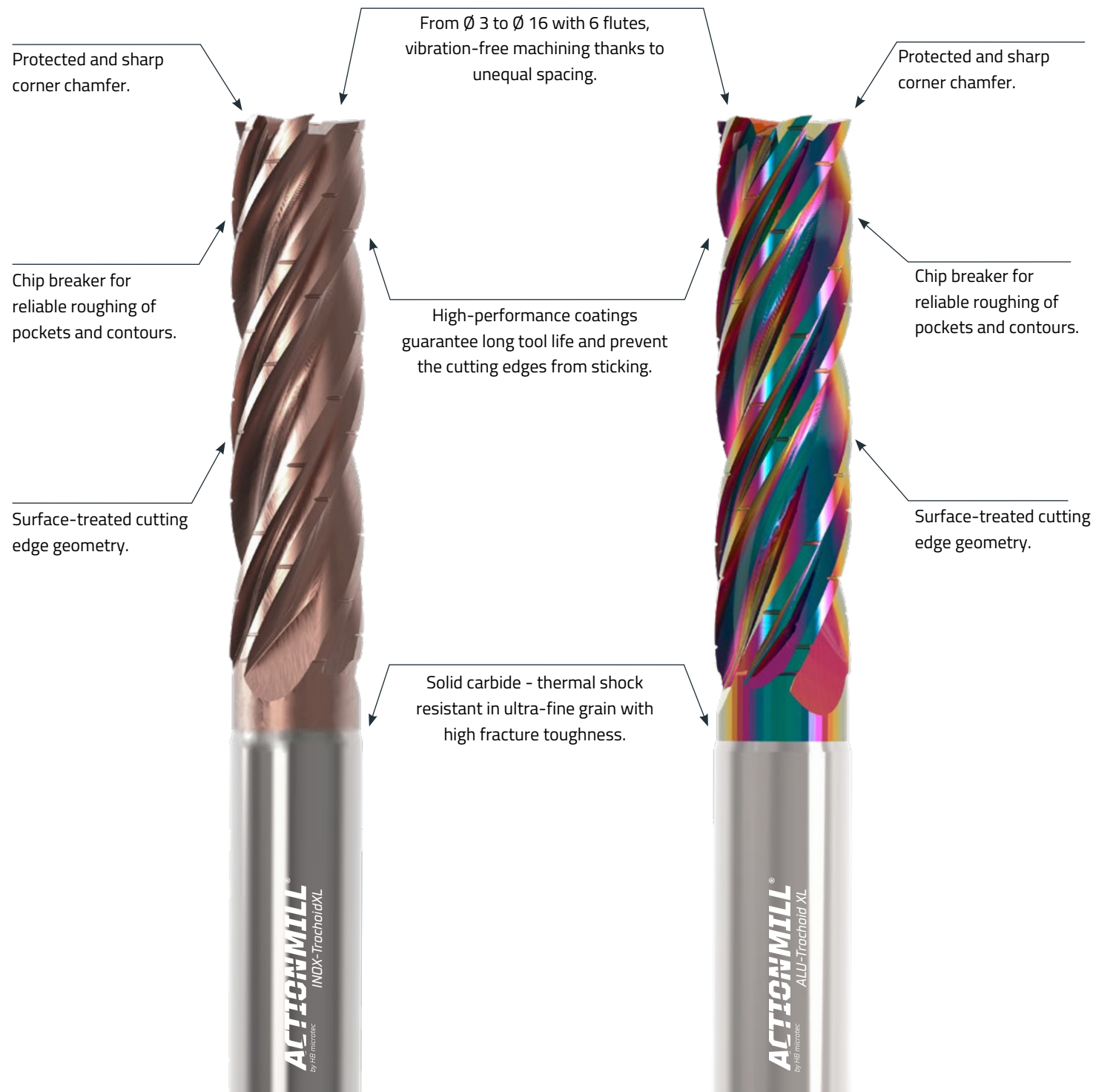


ACTIONMILL[®]
by HB microtec
TrochoidXL



INOX-TrochoidXL

Alu-TrochoidXL



☐ Order

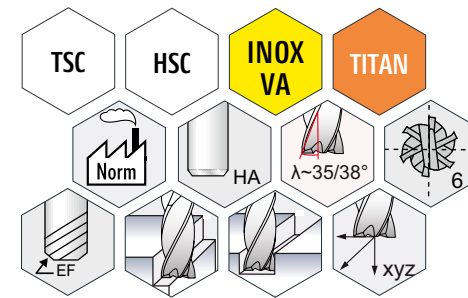
Order number: _____

☐ Inquiry

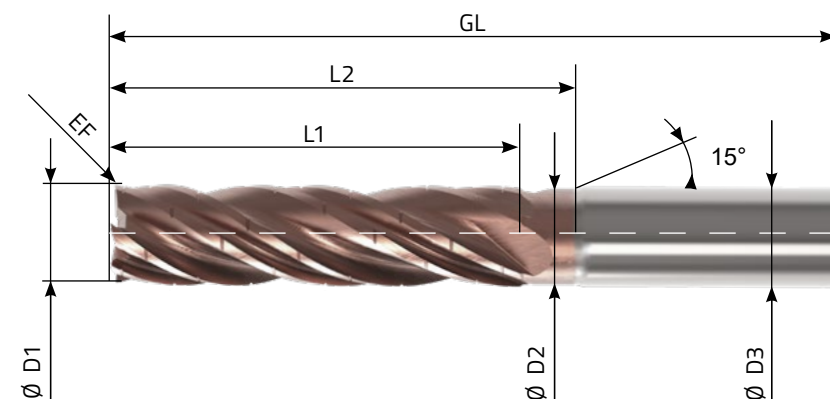
Dimensions: D ₁ : _____ GL: _____ EF: _____ D ₂ : _____ L ₁ : _____ Z: _____ D ₃ : _____ L ₂ : _____	Coating: ☐ Coated*: _____ ☐ Uncoated	Cooling channels: ☐ Yes ☐ No
Material to be machined: _____	Shank shape: _____	Cutting direction: ☐ Left ☐ Right
Date, signature & company stamp: _____		Quantity: _____
		Contact person: _____

* Without further information, the most suitable coating will be used.

4xD INOX-TrochoidXL



ACTIONMILL D1: 4.0 mm L1: 16.0 mm
AM.TROCHO.04.16.06.XL.01 ← Coating
Product name D3: 6.0 mm XL-Variant



■ α-INOX coated



5 PRO's of the ACTIONMILL:

- Vibration-free machining thanks to uneven flute spacing and unequal helix angles
- Special cutting edge design for vibration damping
- High-performance tool for trochoidal machining with a cutting edge length of 4xD
- Chip breaker geometry for process-reliable roughing of pockets and contours
- Protected and sharp mill corner

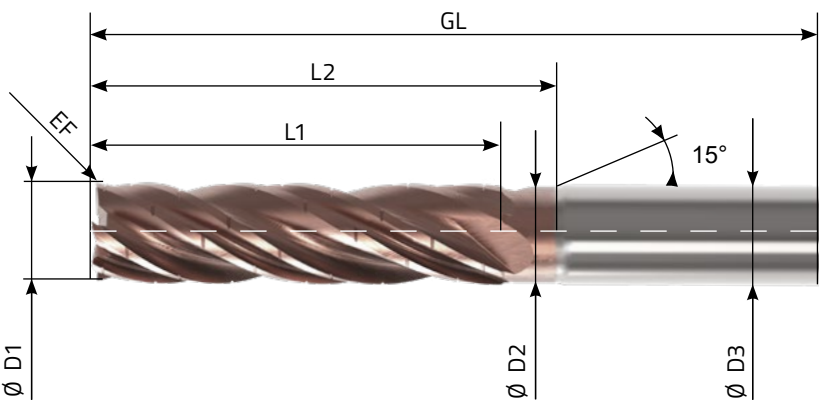
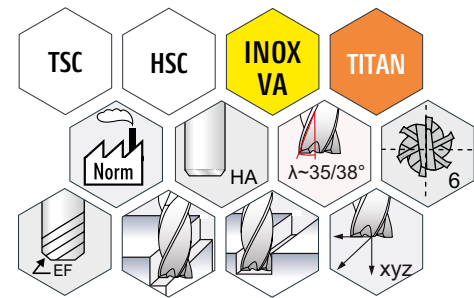
Article number	D1 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	EF (mm) sharp	GL (mm)	HB-Shank
AM.TROCHO.03.12.03.XL.01	Ø3.000	-	-	Ø3.00	12.00	-	0.03	50.00	-
AM.TROCHO.03968.16.06.XL.01	Ø 3.968	Ø 5/32"	Ø 3.80	Ø 6.00	16.00	20.00	0.03	83.00	.HB
AM.TROCHO.04.16.06.XL.01	Ø 4.000	-	Ø 3.80	Ø 6.00	16.00	20.00	0.03	83.00	.HB
AM.TROCHO.04762.20.06.XL.01	Ø 4.762	Ø 3/16"	Ø 4.50	Ø 6.00	20.00	25.00	0.03	83.00	.HB
AM.TROCHO.05.20.06.XL.01	Ø 5.000	-	Ø 4.80	Ø 6.00	20.00	25.00	0.03	83.00	.HB
AM.TROCHO.05556.23.06.XL.01	Ø 5.556	Ø 7/32"	Ø 5.20	Ø 6.00	23.00	25.00	0.03	83.00	.HB
AM.TROCHO.06.24.06.XL.01	Ø 6.000	-	Ø 5.70	Ø 6.00	24.00	28.00	0.03	83.00	.HB
AM.TROCHO.0635.26.08.XL.01	Ø 6.350	Ø 1/4"	Ø 6.00	Ø 8.00	26.00	28.00	0.03	83.00	.HB
AM.TROCHO.07144.30.08.XL.01	Ø 7.144	Ø 9/32"	Ø 6.90	Ø 8.00	30.00	34.00	0.05	80.00	.HB
AM.TROCHO.07938.32.08.XL.01	Ø 7.938	Ø 5/16"	Ø 7.80	Ø 8.00	32.00	36.00	0.05	80.00	.HB
AM.TROCHO.08.32.08.XL.01	Ø 8.000	-	Ø 7.80	Ø 8.00	32.00	36.00	0.05	83.00	.HB
AM.TROCHO.09525.40.10.XL.01	Ø 9.525	Ø 3/8"	Ø 9.20	Ø 10.00	40.00	44.00	0.05	100.00	.HB
AM.TROCHO.10.40.10.XL.01	Ø 10.000	-	Ø 9.70	Ø 10.00	40.00	44.00	0.05	101.00	.HB
AM.TROCHO.111125.45.12.XL.01	Ø 11.1125	Ø 7/16"	Ø 10.80	Ø 12.00	45.00	50.00	0.05	101.00	.HB
AM.TROCHO.12.48.12.XL.01	Ø 12.000	-	Ø 11.70	Ø 12.00	48.00	52.00	0.05	110.00	.HB
AM.TROCHO.12700.51.14.XL.01	Ø 12.700	Ø 1/2"	Ø 12.40	Ø 14.00	51.00	55.00	0.10	120.00	.HB
AM.TROCHO.14.56.14.XL.01	Ø 14.000	-	Ø 13.70	Ø 14.00	56.00	60.00	0.10	120.00	.HB
AM.TROCHO.142875.58.16.XL.01	Ø 14.2875	Ø 9/16"	Ø 13.90	Ø 16.00	58.00	62.00	0.10	120.00	.HB
AM.TROCHO.15875.64.16.XL.01	Ø 15.875	Ø 5/8"	Ø 15.50	Ø 16.00	64.00	68.00	0.10	120.00	.HB
AM.TROCHO.16.64.16.XL.01	Ø 16.000	-	Ø 15.70	Ø 16.00	64.00	68.00	0.10	120.00	.HB

■ For a mill with HB shank, add ".HB" to the article number, e.g. AM.TROCHO.04.16.06.XL.01.HB

Available from stock



5xD INOX-TrochoidXXL



■ α-INOX coated



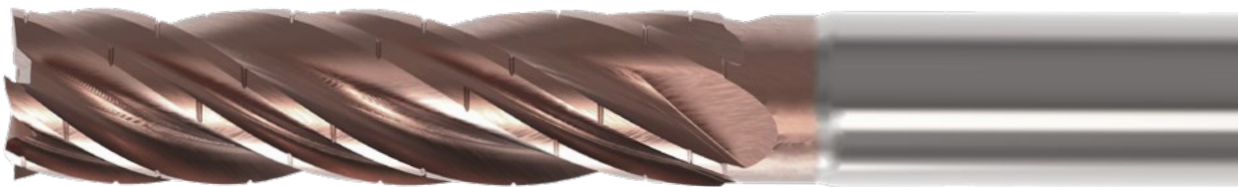
5 PRO's of the ACTIONMILL:

- Vibration-free machining thanks to uneven flute spacing and unequal helix angles
- Special cutting edge design for vibration damping
- High-performance tool for trochoidal machining with a cutting edge length of 5xD
- Chip breaker geometry for process-reliable roughing of pockets and contours
- Protected and sharp mill corner

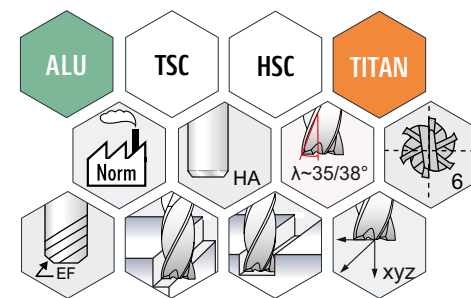
Article number	D1 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	EF (mm) sharp	GL (mm)	HB-Shank
AM.TROCHO.03.15.03.XXL.01	Ø3.000	-	-	Ø3.00	15.00	-	0.03	50.00	-
AM.TROCHO.03968.20.06.XXL.01	Ø 3.968	Ø 5/32"	Ø 3.80	Ø 6.00	20.00	24.00	0.03	83.00	.HB
AM.TROCHO.04.20.06.XXL.01	Ø 4.000	-	Ø 3.80	Ø 6.00	20.00	24.00	0.03	83.00	.HB
AM.TROCHO.04762.25.06.XXL.01	Ø 4.762	Ø 3/16"	Ø 4.50	Ø 6.00	25.00	29.00	0.03	83.00	.HB
AM.TROCHO.05.25.06.XXL.01	Ø 5.000	-	Ø 4.80	Ø 6.00	25.00	29.00	0.03	83.00	.HB
AM.TROCHO.05556.30.06.XXL.01	Ø 5.556	Ø 7/32"	Ø 5.20	Ø 6.00	30.00	34.00	0.03	83.00	.HB
AM.TROCHO.06.30.06.XXL.01	Ø 6.000	-	Ø 5.70	Ø 6.00	30.00	34.00	0.03	83.00	.HB
AM.TROCHO.0635.32.08.XXL.01	Ø 6.350	Ø 1/4"	Ø 6.00	Ø 8.00	32.00	36.00	0.03	83.00	.HB
AM.TROCHO.07144.36.08.XXL.01	Ø 7.144	Ø 9/32"	Ø 6.90	Ø 8.00	36.00	40.00	0.05	83.00	.HB
AM.TROCHO.07938.40.08.XXL.01	Ø 7.938	Ø 5/16"	Ø 7.80	Ø 8.00	40.00	44.00	0.05	83.00	.HB
AM.TROCHO.08.40.08.XXL.01	Ø 8.000	-	Ø 7.80	Ø 8.00	40.00	44.00	0.05	83.00	.HB
AM.TROCHO.09525.48.10.XXL.01	Ø 9.525	Ø 3/8"	Ø 9.20	Ø 10.00	48.00	52.00	0.05	101.00	.HB
AM.TROCHO.10.50.10.XXL.01	Ø 10.000	-	Ø 9.70	Ø 10.00	50.00	54.00	0.05	101.00	.HB
AM.TROCHO.111125.56.12.XXL.01	Ø 11.1125	Ø 7/16"	Ø 10.80	Ø 12.00	56.00	60.00	0.05	110.00	.HB
AM.TROCHO.12.60.12.XXL.01	Ø 12.000	-	Ø 11.70	Ø 12.00	60.00	64.00	0.05	110.00	.HB
AM.TROCHO.12700.64.14.XXL.01	Ø 12.700	Ø 1/2"	Ø 12.40	Ø 14.00	64.00	68.00	0.10	120.00	.HB
AM.TROCHO.14.70.14.XXL.01	Ø 14.000	-	Ø 13.70	Ø 14.00	70.00	74.00	0.10	120.00	.HB
AM.TROCHO.142875.72.16.XXL.01	Ø 14.2875	Ø 9/16"	Ø 13.90	Ø 16.00	72.00	76.00	0.10	130.00	.HB
AM.TROCHO.15875.80.16.XXL.01	Ø 15.875	Ø 5/8"	Ø 15.50	Ø 16.00	80.00	84.00	0.10	130.00	.HB
AM.TROCHO.16.80.16.XXL.01	Ø 16.000	-	Ø 15.70	Ø 16.00	80.00	84.00	0.10	130.00	.HB

■ For a mill with HB shank, add ".HB" to the article number, e.g. AM.TROCHO.04.20.06.XXL.01.HB

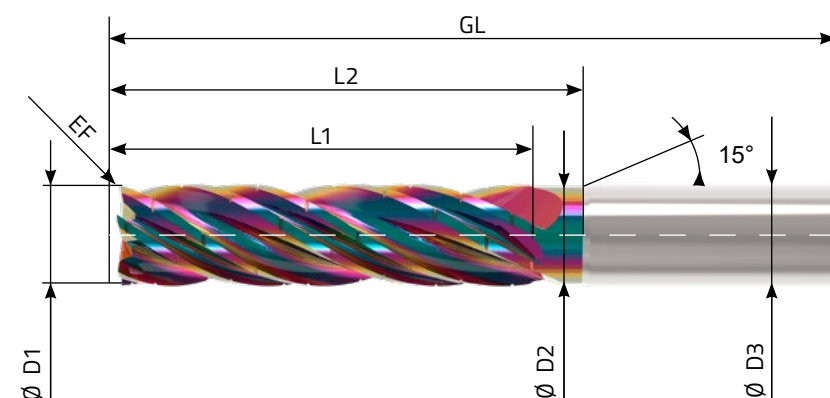
Available from stock



4xD Alu-TrochoidXL



ACTIONMILL D1: 4.0 mm L1: 16.0 mm
AM.TROCHO.04.16.06.XL.02 ← Coating
Product name D3: 6.0 mm XL-Variant



■ β-TITAN coated



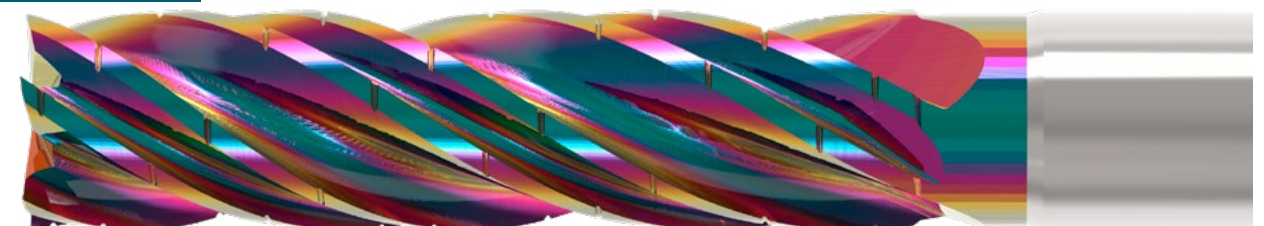
5 PRO's of the ACTIONMILL:

- Vibration-free machining thanks to uneven flute spacing and unequal helix angles
- Special cutting edge design for vibration damping
- High-performance tool for trochoidal machining with a cutting edge length of 4xD
- Chip breaker geometry for process-reliable roughing of pockets and contours
- Protected and sharp mill corner

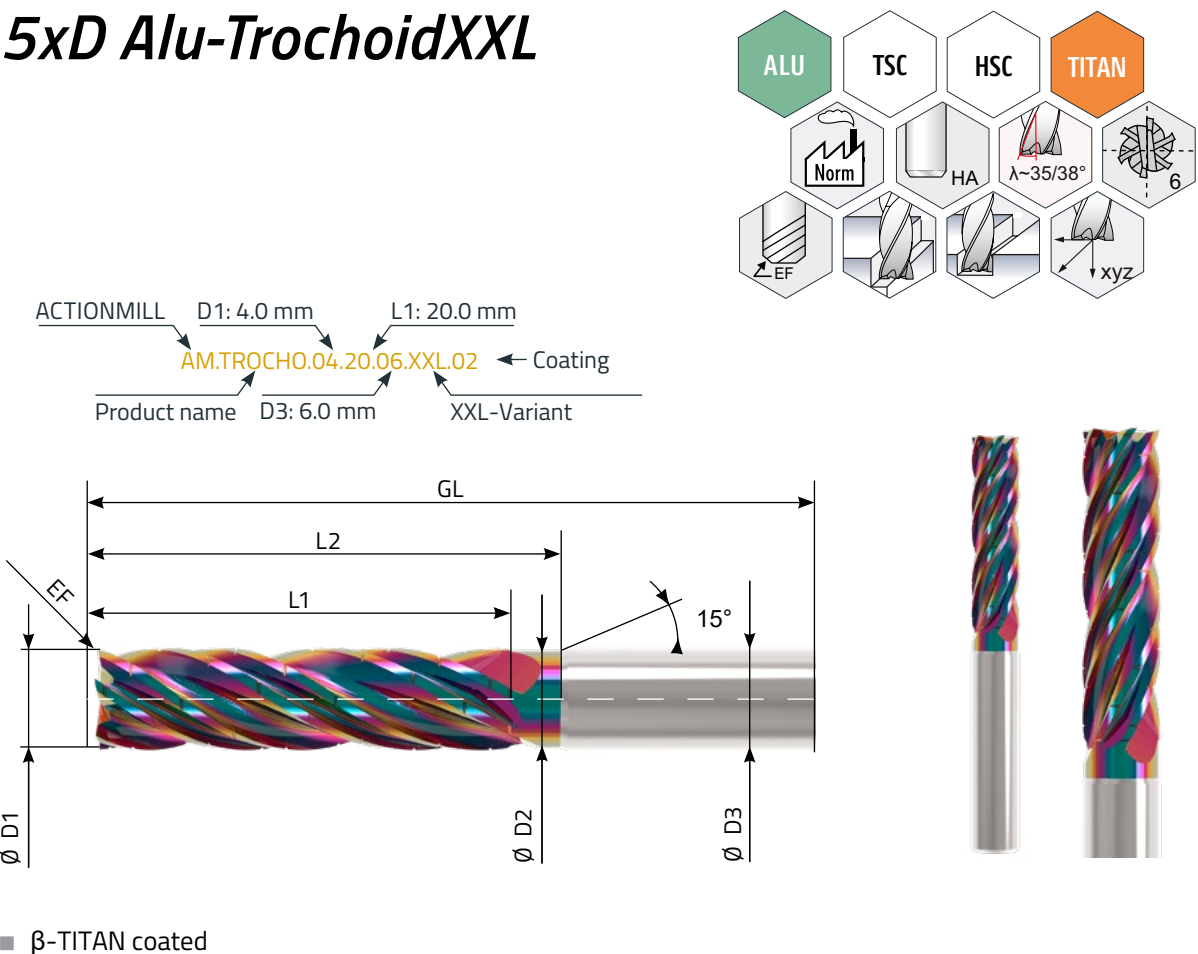
Article number	D1 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	EF (mm) sharp	GL (mm)	HB-Shank
AM.TROCHO.03.12.03.XL.02	Ø3.000	-	-	Ø3.00	12.00	-	0.03	50.00	-
AM.TROCHO.03968.16.06.XL.02	Ø 3.968	Ø 5/32"	Ø 3.80	Ø 6.00	16.00	20.00	0.03	83.00	.HB
AM.TROCHO.04.16.06.XL.02	Ø 4.000	-	Ø 3.80	Ø 6.00	16.00	20.00	0.03	83.00	.HB
AM.TROCHO.04762.20.06.XL.02	Ø 4.762	Ø 3/16"	Ø 4.50	Ø 6.00	20.00	25.00	0.03	83.00	.HB
AM.TROCHO.05.20.06.XL.02	Ø 5.000	-	Ø 4.80	Ø 6.00	20.00	25.00	0.03	83.00	.HB
AM.TROCHO.05556.23.06.XL.02	Ø 5.556	Ø 7/32"	Ø 5.20	Ø 6.00	23.00	25.00	0.03	83.00	.HB
AM.TROCHO.06.24.06.XL.02	Ø 6.000	-	Ø 5.70	Ø 6.00	24.00	28.00	0.03	83.00	.HB
AM.TROCHO.0635.26.08.XL.02	Ø 6.350	Ø 1/4"	Ø 6.00	Ø 8.00	26.00	28.00	0.03	83.00	.HB
AM.TROCHO.07144.30.08.XL.02	Ø 7.144	Ø 9/32"	Ø 6.90	Ø 8.00	30.00	34.00	0.05	80.00	.HB
AM.TROCHO.07938.32.08.XL.02	Ø 7.938	Ø 5/16"	Ø 7.80	Ø 8.00	32.00	36.00	0.05	80.00	.HB
AM.TROCHO.08.32.08.XL.02	Ø 8.000	-	Ø 7.80	Ø 8.00	32.00	36.00	0.05	83.00	.HB
AM.TROCHO.09525.40.10.XL.02	Ø 9.525	Ø 3/8"	Ø 9.20	Ø 10.00	40.00	44.00	0.05	100.00	.HB
AM.TROCHO.10.40.10.XL.02	Ø 10.000	-	Ø 9.70	Ø 10.00	40.00	44.00	0.05	101.00	.HB
AM.TROCHO.111125.45.12.XL.02	Ø 11.1125	Ø 7/16"	Ø 10.80	Ø 12.00	45.00	50.00	0.05	101.00	.HB
AM.TROCHO.12.48.12.XL.02	Ø 12.000	-	Ø 11.70	Ø 12.00	48.00	52.00	0.05	110.00	.HB
AM.TROCHO.12700.51.14.XL.02	Ø 12.700	Ø 1/2"	Ø 12.40	Ø 14.00	51.00	55.00	0.10	120.00	.HB
AM.TROCHO.14.56.14.XL.02	Ø 14.000	-	Ø 13.70	Ø 14.00	56.00	60.00	0.10	120.00	.HB
AM.TROCHO.142875.58.16.XL.02	Ø 14.2875	Ø 9/16"	Ø 13.90	Ø 16.00	58.00	62.00	0.10	120.00	.HB
AM.TROCHO.15875.64.16.XL.02	Ø 15.875	Ø 5/8"	Ø 15.50	Ø 16.00	64.00	68.00	0.10	120.00	.HB
AM.TROCHO.16.64.16.XL.02	Ø 16.000	-	Ø 15.70	Ø 16.00	64.00	68.00	0.10	120.00	.HB

■ For a mill with HB shank, add ".HB" to the article number, e.g. AM.TROCHO.04.16.06.XL.02.HB

Available from stock



5xD Alu-TrochoidXXL



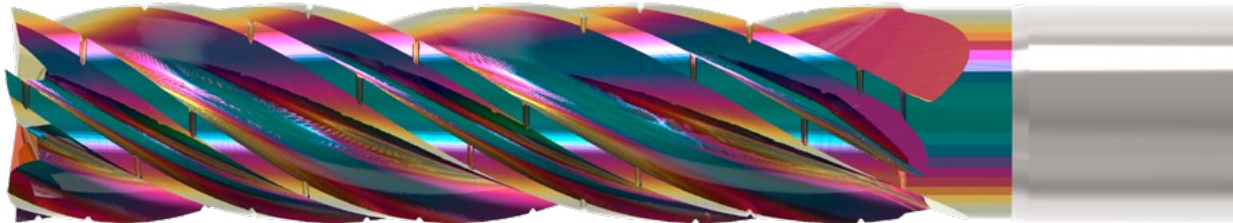
5 PRO's of the ACTIONMILL:

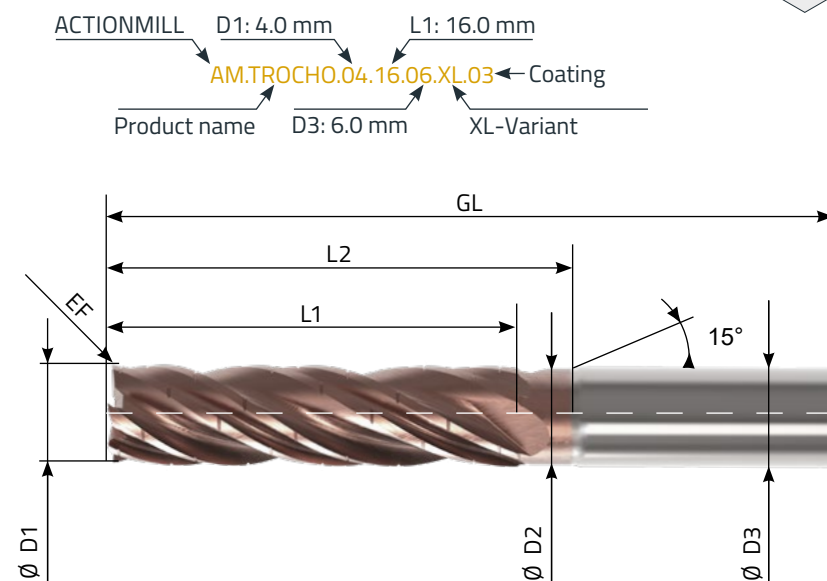
- Vibration-free machining thanks to uneven flute spacing and unequal helix angles
- Special cutting edge design for vibration damping
- High-performance tool for trochoidal machining with a cutting edge length of 5xD
- Chip breaker geometry for process-reliable roughing of pockets and contours
- Protected and sharp mill corner

Article number	D1 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	EF (mm) sharp	GL (mm)	HB-Shank
AM.TROCHO.03.15.03.XXL.02	Ø3.000	-	-	Ø3.00	15.00	-	0.03	50.00	-
AM.TROCHO.03968.20.06.XXL.02	Ø 3.968	Ø 5/32"	Ø 3.80	Ø 6.00	20.00	24.00	0.03	83.00	.HB
AM.TROCHO.04.20.06.XXL.02	Ø 4.000	-	Ø 3.80	Ø 6.00	20.00	24.00	0.03	83.00	.HB
AM.TROCHO.04762.25.06.XXL.02	Ø 4.762	Ø 3/16"	Ø 4.50	Ø 6.00	25.00	29.00	0.03	83.00	.HB
AM.TROCHO.05.25.06.XXL.02	Ø 5.000	-	Ø 4.80	Ø 6.00	25.00	29.00	0.03	83.00	.HB
AM.TROCHO.05556.30.06.XXL.02	Ø 5.556	Ø 7/32"	Ø 5.20	Ø 6.00	30.00	34.00	0.03	83.00	.HB
AM.TROCHO.06.30.06.XXL.02	Ø 6.000	-	Ø 5.70	Ø 6.00	30.00	34.00	0.03	83.00	.HB
AM.TROCHO.0635.32.08.XXL.02	Ø 6.350	Ø 1/4"	Ø 6.00	Ø 8.00	32.00	36.00	0.03	83.00	.HB
AM.TROCHO.07144.36.08.XXL.02	Ø 7.144	Ø 9/32"	Ø 6.90	Ø 8.00	36.00	40.00	0.05	83.00	.HB
AM.TROCHO.07938.40.08.XXL.02	Ø 7.938	Ø 5/16"	Ø 7.80	Ø 8.00	40.00	44.00	0.05	83.00	.HB
AM.TROCHO.08.40.08.XXL.02	Ø 8.000	-	Ø 7.80	Ø 8.00	40.00	44.00	0.05	83.00	.HB
AM.TROCHO.09525.48.10.XXL.02	Ø 9.525	Ø 3/8"	Ø 9.20	Ø 10.00	48.00	52.00	0.05	101.00	.HB
AM.TROCHO.10.50.10.XXL.02	Ø 10.000	-	Ø 9.70	Ø 10.00	50.00	54.00	0.05	101.00	.HB
AM.TROCHO.111125.56.12.XXL.02	Ø 11.1125	Ø 7/16"	Ø 10.80	Ø 12.00	56.00	60.00	0.05	110.00	.HB
AM.TROCHO.12.60.12.XXL.02	Ø 12.000	-	Ø 11.70	Ø 12.00	60.00	64.00	0.05	110.00	.HB
AM.TROCHO.12700.64.14.XXL.02	Ø 12.700	Ø 1/2"	Ø 12.40	Ø 14.00	64.00	68.00	0.10	120.00	.HB
AM.TROCHO.14.70.14.XXL.02	Ø 14.000	-	Ø 13.70	Ø 14.00	70.00	74.00	0.10	120.00	.HB
AM.TROCHO.142875.72.16.XXL.02	Ø 14.2875	Ø 9/16"	Ø 13.90	Ø 16.00	72.00	76.00	0.10	130.00	.HB
AM.TROCHO.15875.80.16.XXL.02	Ø 15.875	Ø 5/8"	Ø 15.50	Ø 16.00	80.00	84.00	0.10	130.00	.HB
AM.TROCHO.16.80.16.XXL.02	Ø 16.000	-	Ø 15.70	Ø 16.00	80.00	84.00	0.10	130.00	.HB

■ For a mill with HB shank, add ".HB" to the article number, e.g. AM.TROCHO.04.20.06.XL.02.HB

Available from stock





- γ -Steel coated



- Vibration-free machining thanks to uneven flute spacing and unequal helix angles
- Special cutting edge design for vibration damping
- High-performance tool for trochoidal machining with a cutting edge length of 4xD
- Chip breaker geometry for process-reliable roughing of pockets and contours
- Protected and sharp mill corner

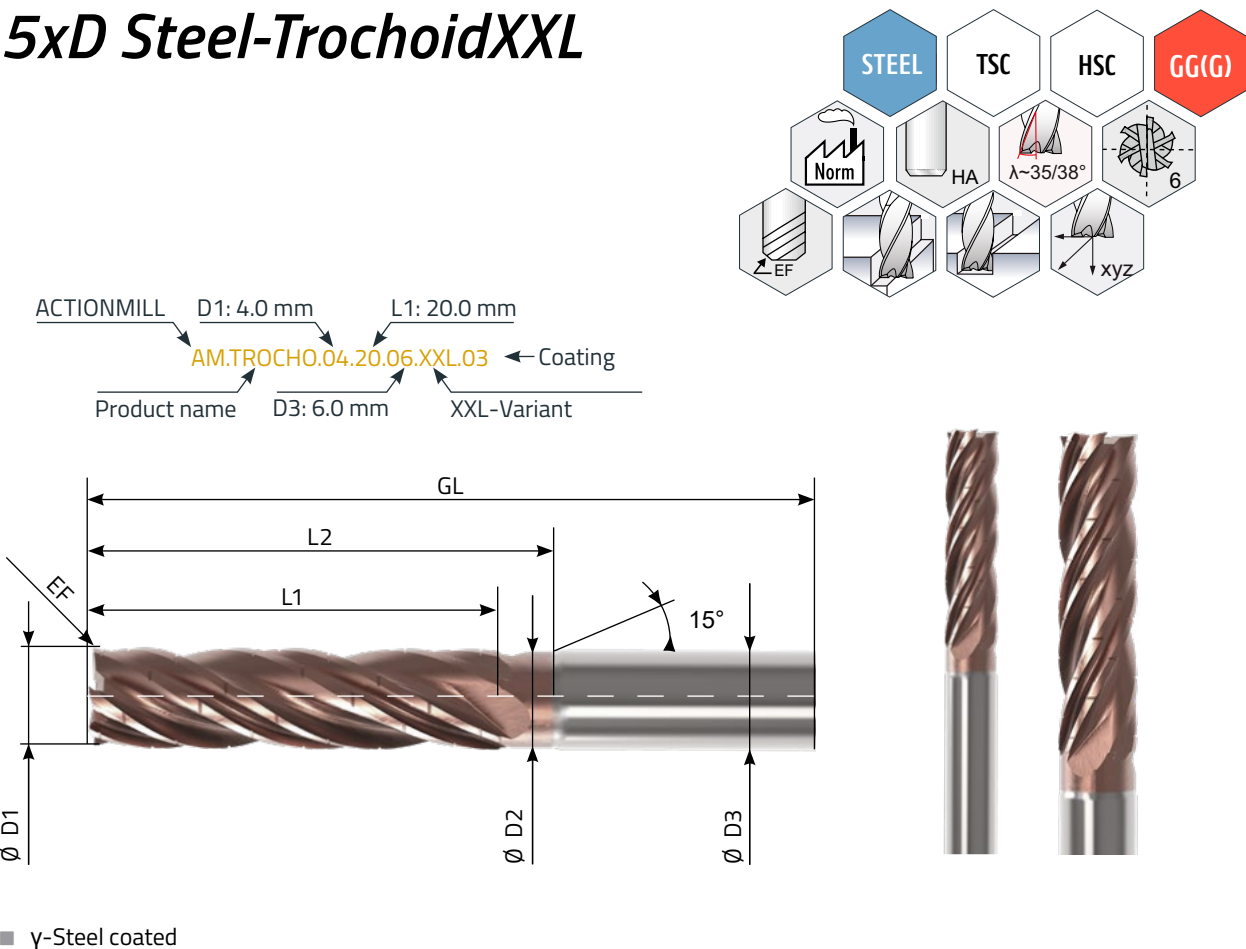
Article number	D1 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	EF (mm) sharp	GL (mm)	HB- Shank
AM.TROCHO.03.12.03.XL.03	Ø3.000	-	-	Ø3.00	12.00	-	0.03	50.00	-
AM.TROCHO.03968.16.06.XL.03	Ø 3.968	Ø 5/32"	Ø 3.80	Ø 6.00	16.00	20.00	0.03	83.00	.HB
AM.TROCHO.04.16.06.XL.03	Ø 4.000	-	Ø 3.80	Ø 6.00	16.00	20.00	0.03	83.00	.HB
AM.TROCHO.04762.20.06.XL.03	Ø 4.762	Ø 3/16"	Ø 4.50	Ø 6.00	20.00	25.00	0.03	83.00	.HB
AM.TROCHO.05.20.06.XL.03	Ø 5.000	-	Ø 4.80	Ø 6.00	20.00	25.00	0.03	83.00	.HB
AM.TROCHO.05556.23.06.XL.03	Ø 5.556	Ø 7/32"	Ø 5.20	Ø 6.00	23.00	25.00	0.03	83.00	.HB
AM.TROCHO.06.24.06.XL.03	Ø 6.000	-	Ø 5.70	Ø 6.00	24.00	28.00	0.03	83.00	.HB
AM.TROCHO.0635.26.08.XL.03	Ø 6.350	Ø 1/4"	Ø 6.00	Ø 8.00	26.00	28.00	0.03	83.00	.HB
AM.TROCHO.07144.30.08.XL.03	Ø 7.144	Ø 9/32"	Ø 6.90	Ø 8.00	30.00	34.00	0.05	80.00	.HB
AM.TROCHO.07938.32.08.XL.03	Ø 7.938	Ø 5/16"	Ø 7.80	Ø 8.00	32.00	36.00	0.05	80.00	.HB
AM.TROCHO.08.32.08.XL.03	Ø 8.000	-	Ø 7.80	Ø 8.00	32.00	36.00	0.05	83.00	.HB
AM.TROCHO.09525.40.10.XL.03	Ø 9.525	Ø 3/8"	Ø 9.20	Ø 10.00	40.00	44.00	0.05	100.00	.HB
AM.TROCHO.10.40.10.XL.03	Ø 10.000	-	Ø 9.70	Ø 10.00	40.00	44.00	0.05	101.00	.HB
AM.TROCHO.111125.45.12.XL.03	Ø 11.1125	Ø 7/16"	Ø 10.80	Ø 12.00	45.00	50.00	0.05	101.00	.HB
AM.TROCHO.12.48.12.XL.03	Ø 12.000	-	Ø 11.70	Ø 12.00	48.00	52.00	0.05	110.00	.HB
AM.TROCHO.12700.51.14.XL.03	Ø 12.700	Ø 1/2"	Ø 12.40	Ø 14.00	51.00	55.00	0.10	120.00	.HB
AM.TROCHO.14.56.14.XL.03	Ø 14.000	-	Ø 13.70	Ø 14.00	56.00	60.00	0.10	120.00	.HB
AM.TROCHO.142875.58.16.XL.03	Ø 14.2875	Ø 9/16"	Ø 13.90	Ø 16.00	58.00	62.00	0.10	120.00	.HB
AM.TROCHO.15875.64.16.XL.03	Ø 15.875	Ø 5/8"	Ø 15.50	Ø 16.00	64.00	68.00	0.10	120.00	.HB
AM.TROCHO.16.64.16.XL.03	Ø 16.000	-	Ø 15.70	Ø 16.00	64.00	68.00	0.10	120.00	.HB

■ For a mill with HB shank, add ".HB" to the article number, e.g. AM.TROCHO.04.16.06.XL.03.HB

Available from stock



5xD Steel-TrochoidXXL



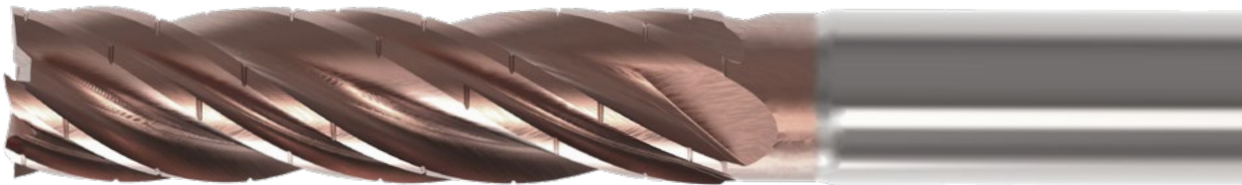
5 PRO's of the ACTIONMILL:

- Vibration-free machining thanks to uneven flute spacing and unequal helix angles
- Special cutting edge design for vibration damping
- High-performance tool for trochoidal machining with a cutting edge length of 5xD
- Chip breaker geometry for process-reliable roughing of pockets and contours
- Protected and sharp mill corner

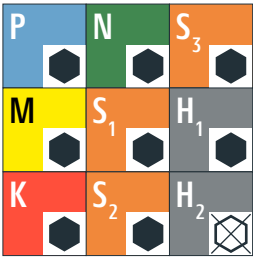
Article number	D1 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	EF (mm) sharp	GL (mm)	HB-Shank
AM.TROCHO.03.12.03.XXL.03	Ø3.000	-	-	Ø3.00	12.00	-	0.03	50.00	-
AM.TROCHO.03968.20.06.XXL.03	Ø 3.968	Ø 5/32"	Ø 3.80	Ø 6.00	20.00	24.00	0.03	83.00	.HB
AM.TROCHO.04.20.06.XXL.03	Ø 4.000	-	Ø 3.80	Ø 6.00	20.00	24.00	0.03	83.00	.HB
AM.TROCHO.04762.25.06.XXL.03	Ø 4.762	Ø 3/16"	Ø 4.50	Ø 6.00	25.00	29.00	0.03	83.00	.HB
AM.TROCHO.05.25.06.XXL.03	Ø 5.000	-	Ø 4.80	Ø 6.00	25.00	29.00	0.03	83.00	.HB
AM.TROCHO.05556.30.06.XXL.03	Ø 5.556	Ø 7/32"	Ø 5.20	Ø 6.00	30.00	34.00	0.03	83.00	.HB
AM.TROCHO.06.30.06.XXL.03	Ø 6.000	-	Ø 5.70	Ø 6.00	30.00	34.00	0.03	83.00	.HB
AM.TROCHO.0635.32.08.XXL.03	Ø 6.350	Ø 1/4"	Ø 6.00	Ø 8.00	32.00	36.00	0.03	83.00	.HB
AM.TROCHO.07144.36.08.XXL.03	Ø 7.144	Ø 9/32"	Ø 6.90	Ø 8.00	36.00	40.00	0.05	83.00	.HB
AM.TROCHO.07938.40.08.XXL.03	Ø 7.938	Ø 5/16"	Ø 7.80	Ø 8.00	40.00	44.00	0.05	83.00	.HB
AM.TROCHO.08.40.08.XXL.03	Ø 8.000	-	Ø 7.80	Ø 8.00	40.00	44.00	0.05	83.00	.HB
AM.TROCHO.09525.48.10.XXL.03	Ø 9.525	Ø 3/8"	Ø 9.20	Ø 10.00	48.00	52.00	0.05	101.00	.HB
AM.TROCHO.10.50.10.XXL.03	Ø 10.000	-	Ø 9.70	Ø 10.00	50.00	54.00	0.05	101.00	.HB
AM.TROCHO.111125.56.12.XXL.03	Ø 11.1125	Ø 7/16"	Ø 10.80	Ø 12.00	56.00	60.00	0.05	110.00	.HB
AM.TROCHO.12.60.12.XXL.03	Ø 12.000	-	Ø 11.70	Ø 12.00	60.00	64.00	0.05	110.00	.HB
AM.TROCHO.12700.64.14.XXL.03	Ø 12.700	Ø 1/2"	Ø 12.40	Ø 14.00	64.00	68.00	0.10	120.00	.HB
AM.TROCHO.14.70.14.XXL.03	Ø 14.000	-	Ø 13.70	Ø 14.00	70.00	74.00	0.10	120.00	.HB
AM.TROCHO.142875.72.16.XXL.03	Ø 14.2875	Ø 9/16"	Ø 13.90	Ø 16.00	72.00	76.00	0.10	130.00	.HB
AM.TROCHO.15875.80.16.XXL.03	Ø 15.875	Ø 5/8"	Ø 15.50	Ø 16.00	80.00	84.00	0.10	130.00	.HB
AM.TROCHO.16.80.16.XXL.03	Ø 16.000	-	Ø 15.70	Ø 16.00	80.00	84.00	0.10	130.00	.HB

■ For a mill with HB shank, add ".HB" to the article number, e.g. AM.TROCHO.04.20.06.XXL.03.HB

Available from stock



ACTIONMILL[®]
by HB microtec
INOX-TrochoidXL / XXL
ALU-Trochoid XL / XXL
Steel-Trochoid XL / XXL



Recommended use Highly suitable Partially suitable Not recommended

Material group	Material group	Mat. no.	DIN	AISI/ASTM/UNS
P	Steels up to RM < 1200N/mm²	1.0044	S275JR	AISI 1020
		1.0715	11SMn30	AISI 1215
		1.7131	16MnCr5	AISI 5115
		1.3505	100Cr6	AISI 52100
		1.7225	42CrMo4	AISI 4140
M	Stainless steels: ferritic, martensitic, austenitic	1.4034	X46Cr13	AISI 420C
		1.4542	X5CrNiCuNb 16-4	AISI 630 / ASTM 17-4 PH
		1.4545	X5CrNiCuNb 15-5	ASTM 15-5 PH
		1.4301	X5CrNi 18-10	AISI 304
		1.4435	X2CrNiMo 18-14-3	AISI 316L
K	Cast iron	0.6020	GG20	ASTM 30
		0.6030	GG30	ASTM 40B
		0.7040	GGG40	ASTM 60-40-18
		0.7060	GGG60	ASTM 80-60-03
N	Non-ferrous metals	3.2315	AlMgSi1	ASTM 6351
		2.0065	Cu-ETP / CW004A	UNS C11000
		2.0321	CuZn37 CW508L	UNS C27400
		2.0401	CuZn39Pb3 / CW614N	UNS C38500
		2.0966	CuAl10Ni5Fe4	UNS C63000
S (S1, S2, S3)	Heat-resistant steels, titanium, CrCo	2.4617	NiMo28	Hastelloy B-2
		2.4665	NiCr22Fe18Mo	Hastelloy X
		3.7165	TiAl6V4	ASTM B348 / F136
		9.9367	TiAl6Nb7	ASTM F1295
		2.4964	CoCr20W15Ni	Haynes 25
			CrCoMo28	ASTM F1537
H	Hardened steels ≥ 55 HRC	1.2510	100MnCrMoW4	AISI O1
		1.2379	X153CrMoV12	AISI D2

ap=L1	ae=0.05xD1	ap=L1	ae=0.05xD1	ap=L1	ae=0.05xD1	ap=L1	ae=0.05xD1	ap=L1	ae=0.05xD1
from Ø 3.0 mm		from Ø 6.0 mm		from Ø 8.0 mm		from Ø 10 mm		from Ø 12 mm - Ø 16 mm	
vc [m/min]	fz [mm]	vc [m/min]	fz [mm]	vc [m/min]	fz [mm]	vc [m/min]	vc [m/min]	vc [m/min]	fz [mm]
100-200	0.02 - 0.035	100-200	0.03 - 0.045	100-200	0.05 - 0.065	100-200	0.06 - 0.075	100-200	0.07 - 0.085
100-200	0.02 - 0.03	100-200	0.03 - 0.04	100-200	0.05 - 0.055	100-200	0.06 - 0.065	100-200	0.07 - 0.075
80-150	0.02 - 0.03	80-150	0.035 - 0.045	80-150	0.045 - 0.055	80-150	0.055 - 0.065	80-160	0.065 - 0.075
70-120	0.015 - 0.025	70-120	0.035 - 0.045	70-120	0.045 - 0.055	70-120	0.055 - 0.065	70-140	0.065 - 0.075
80-170	0.02 - 0.04	80-170	0.04 - 0.055	80-170	0.05 - 0.065	80-170	0.06 - 0.065	80-170	0.065 - 0.085
80-160	0.02 - 0.04	80-160	0.035 - 0.06	80-160	0.055 - 0.06	80-160	0.055 - 0.06	80-160	0.065 - 0.075
100-200	0.02 - 0.045	100-200	0.035 - 0.06	100-200	0.055 - 0.06	100-200	0.055 - 0.06	100-200	0.065 - 0.08
80-120	0.02 - 0.045	80-120	0.035 - 0.06	80-120	0.055 - 0.06	80-120	0.055 - 0.06	80-120	0.065 - 0.085
50-120	0.02 - 0.03	50-120	0.03 - 0.04	50-120	0.03 - 0.05	50-120	0.04 - 0.06	50-120	0.05 - 0.07
40-120	0.02 - 0.03	40-120	0.03 - 0.04	40-120	0.03 - 0.05	40-120	0.04 - 0.06	40-120	0.05 - 0.07
40-100	0.02 - 0.03	40-100	0.03 - 0.04	40-100	0.03 - 0.05	40-100	0.04 - 0.06	40-100	0.05 - 0.07
no data available									
no data available									

ACTIONMILL®

by HB microtec

TrochoidXL



HB microtec®
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