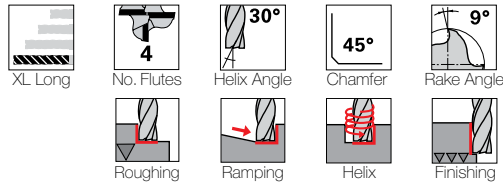


UNI-PRO End Mills (4-Flute) - Metric - XL Long Length



center cutting



Tool material

Solid Carbide

Surface finish

bright

FIREX®

Series

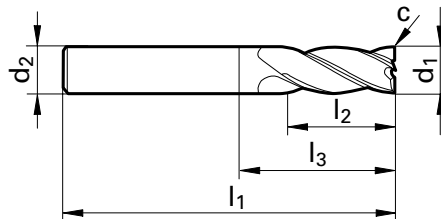
3012

3023

Application group	Material examples	Ideal for
P	Steel	●
M	Stainless steel	●
K	Cast iron	●
N	Aluminum	●
S	Ni / Ti alloys	○
H	Hardened steel	--

●=Optimal ○=Secondary

Speed and Feed data found on page 302



d1 h10	d2 h6	l1	l2	l3	c	No. of Flutes	Code no.	EDP Number	
mm	mm	mm	mm	mm	mm x 45°				
3.000	3.000	75.00	20.00	47.00	0.05	4	3.000	9030120030000	9030230030000
4.000	4.000	75.00	25.00	47.00	0.05	4	4.000	9030120040000	9030230040000
5.000	5.000	75.00	30.00	47.00	0.05	4	5.000	9030120050000	9030230050000
6.000	6.000	75.00	30.00	39.00	0.05	4	6.000	9030120060000	9030230060000
8.000	8.000	100.00	40.00	64.00	0.10	4	8.000	9030120080000	9030230080000
10.000	10.000	100.00	40.00	60.00	0.10	4	10.000	9030120100000	9030230100000
12.000	12.000	150.00	45.00	105.00	0.10	4	12.000	9030120120000	9030230120000
14.000	14.000	150.00	45.00	105.00	0.15	4	14.000	9030120140000	9030230140000
14.000	16.000	150.00	65.00	101.00	0.15	4	14.001	9030120140010	9030230140010
16.000	16.000	150.00	65.00	102.00	0.15	4	16.000	9030120160000	9030230160000
18.000	18.000	150.00	65.00	102.00	0.15	4	18.000	9030120180000	9030230180000
18.000	20.000	150.00	65.00	99.00	0.15	4	18.001	9030120180010	9030230180010
20.000	20.000	150.00	65.00	100.00	0.15	4	20.000	9030120200000	9030230200000