



### 3-Flute, Ball End, Long Reach, Stub Flute, 30° Helix (.0100-.0750)

Cutter ø	Flute Length	XD LOC	OAL	Reach Length	XD Reach	Shank ø	Uncoated Part #	AlTiN Coated Part #	DLC Coated Part #
.0100	.015	1.5	2-1/2	.050	5	1/8	<a href="#">RET8300</a>	<a href="#">RET8301</a>	<a href="#">RET8302</a>
.0100	.015	1.5	2-1/2	.080	8	1/8	<a href="#">RET8303</a>	<a href="#">RET8304</a>	<a href="#">RET8305</a>
.0156	.022	1.5	2-1/2	.045	3	1/8	<a href="#">RET8306</a>	<a href="#">RET8307</a>	<a href="#">RET8308</a>
.0156	.022	1.5	2-1/2	.078	5	1/8	<a href="#">RET8309</a>	<a href="#">RET8310</a>	<a href="#">RET8311</a>
.0156	.022	1.5	2-1/2	.125	8	1/8	<a href="#">RET8312</a>	<a href="#">RET8313</a>	<a href="#">RET8314</a>
.0200	.030	1.5	2-1/2	.100	5	1/8	<a href="#">RET8315</a>	<a href="#">RET8316</a>	<a href="#">RET8317</a>
.0200	.030	1.5	2-1/2	.160	8	1/8	<a href="#">RET8318</a>	<a href="#">RET8319</a>	<a href="#">RET8320</a>
.0250	.037	1.5	2-1/2	.125	5	1/8	<a href="#">RET8321</a>	<a href="#">RET8322</a>	<a href="#">RET8323</a>
.0250	.037	1.5	2-1/2	.203	8	1/8	<a href="#">RET8324</a>	<a href="#">RET8325</a>	<a href="#">RET8326</a>
.0300	.045	1.5	2-1/2	.156	5	1/8	<a href="#">RET8327</a>	<a href="#">RET8328</a>	<a href="#">RET8329</a>
.0300	.045	1.5	2-1/2	.250	8	1/8	<a href="#">RET8330</a>	<a href="#">RET8331</a>	<a href="#">RET8332</a>
.0312	.046	1.5	2-1/2	.093	3	1/8	<a href="#">RET8333</a>	<a href="#">RET8334</a>	<a href="#">RET8335</a>
.0312	.046	1.5	2-1/2	.156	5	1/8	<a href="#">RET8336</a>	<a href="#">RET8337</a>	<a href="#">RET8338</a>
.0312	.046	1.5	2-1/2	.250	8	1/8	<a href="#">RET8339</a>	<a href="#">RET8340</a>	<a href="#">RET8341</a>
.0350	.052	1.5	2-1/2	.187	5	1/8	<a href="#">RET8342</a>	<a href="#">RET8343</a>	<a href="#">RET8344</a>
.0350	.052	1.5	2-1/2	.281	8	1/8	<a href="#">RET8345</a>	<a href="#">RET8346</a>	<a href="#">RET8347</a>
.0400	.060	1.5	2-1/2	.203	5	1/8	<a href="#">RET8348</a>	<a href="#">RET8349</a>	<a href="#">RET8350</a>
.0400	.060	1.5	2-1/2	.325	8	1/8	<a href="#">RET8351</a>	<a href="#">RET8352</a>	<a href="#">RET8353</a>
.0450	.067	1.5	2-1/2	.225	5	1/8	<a href="#">RET8354</a>	<a href="#">RET8355</a>	<a href="#">RET8356</a>
.0450	.067	1.5	2-1/2	.375	8	1/8	<a href="#">RET8357</a>	<a href="#">RET8358</a>	<a href="#">RET8359</a>
.0469	.070	1.5	2-1/2	.141	3	1/8	<a href="#">RET8360</a>	<a href="#">RET8361</a>	<a href="#">RET8362</a>
.0469	.070	1.5	2-1/2	.250	5	1/8	<a href="#">RET8363</a>	<a href="#">RET8364</a>	<a href="#">RET8365</a>
.0469	.070	1.5	2-1/2	.375	8	1/8	<a href="#">RET8366</a>	<a href="#">RET8367</a>	<a href="#">RET8368</a>
.0500	.075	1.5	2-1/2	.250	5	1/8	<a href="#">RET8369</a>	<a href="#">RET8370</a>	<a href="#">RET8371</a>
.0500	.075	1.5	2-1/2	.400	8	1/8	<a href="#">RET8372</a>	<a href="#">RET8373</a>	<a href="#">RET8374</a>
.0550	.082	1.5	2-1/2	.275	5	1/8	<a href="#">RET8375</a>	<a href="#">RET8376</a>	<a href="#">RET8377</a>
.0550	.082	1.5	2-1/2	.450	8	1/8	<a href="#">RET8378</a>	<a href="#">RET8379</a>	<a href="#">RET8380</a>
.0600	.090	1.5	2-1/2	.312	5	1/8	<a href="#">RET8381</a>	<a href="#">RET8382</a>	<a href="#">RET8383</a>
.0600	.090	1.5	2-1/2	.500	8	1/8	<a href="#">RET8384</a>	<a href="#">RET8385</a>	<a href="#">RET8386</a>
.0625	.093	1.5	2-1/2	.186	3	1/8	<a href="#">RET8387</a>	<a href="#">RET8388</a>	<a href="#">RET8389</a>
.0625	.093	1.5	2-1/2	.312	5	1/8	<a href="#">RET8390</a>	<a href="#">RET8391</a>	<a href="#">RET8392</a>
.0625	.093	1.5	2-1/2	.500	8	1/8	<a href="#">RET8393</a>	<a href="#">RET8394</a>	<a href="#">RET8395</a>
.0650	.097	1.5	2-1/2	.325	5	1/8	<a href="#">RET8396</a>	<a href="#">RET8397</a>	<a href="#">RET8398</a>
.0650	.097	1.5	2-1/2	.530	8	1/8	<a href="#">RET8399</a>	<a href="#">RET8400</a>	<a href="#">RET8401</a>
.0700	.105	1.5	2-1/2	.375	5	1/8	<a href="#">RET8402</a>	<a href="#">RET8403</a>	<a href="#">RET8404</a>
.0700	.105	1.5	2-1/2	.570	8	1/8	<a href="#">RET8405</a>	<a href="#">RET8406</a>	<a href="#">RET8407</a>
.0750	.112	1.5	2-1/2	.375	5	1/8	<a href="#">RET8408</a>	<a href="#">RET8409</a>	<a href="#">RET8410</a>
.0750	.112	1.5	2-1/2	.625	8	1/8	<a href="#">RET8411</a>	<a href="#">RET8412</a>	<a href="#">RET8413</a>



Tolerances	Diameter	Shank	Radius
All Sizes	+0.0005, -0.0005	+0.000, -0.0003	+0.0004, -0.0004



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