



**Long Shank Range**

**Cylinder without Endcut - Shape A, ZYA, SA**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	3.0	14.0	3.0	50	Solid	A30314-2-50	A30314-6-50
	3.0	14.0	3.0	75	Solid	A30314-2-75	A30314-6-75
	3.0	14.0	3.0	100	Solid	A30314-2-100	A30314-6-100

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	6.0	18.0	6.0	100	Solid	A60618-2-100	A60618-6-100
	6.0	18.0	6.0	150	Solid	A60618-2-150	A60618-6-150
	6.0	19.0	6.0	172	Brazed	A60820-2-170	A60820-6-170
	9.6	19.0	6.0	172	Brazed	A61020-2-170	A61020-6-170
	12.7	25.0	6.0	178	Brazed	A61225-2-175	A61225-6-175*

**Cylinder with Endcut - Shape B, ZYAS, SB**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	3.0	14.0	3.0	50	Solid	B30314-2-50	B30314-6-50
	3.0	14.0	3.0	75	Solid	B30314-2-75	B30314-6-75
	3.0	14.0	3.0	100	Solid	B30314-2-100	B30314-6-100

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	6.0	18.0	6.0	100	Solid	B60618-2-100	B60618-6-100
	6.0	18.0	6.0	150	Solid	B60618-2-150	B60618-6-150
	6.0	19.0	6.0	172	Brazed	B60820-2-170	B60820-6-170
	9.6	19.0	6.0	172	Brazed	B61020-2-170	B61020-6-170
	12.7	25.0	6.0	178	Brazed	B61225-2-175	B61225-6-175*

**Ball Nosed Cylinder - Shape C, WRC, SC**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	3.0	14.0	3.0	50	Solid	C30312-2-50	C30312-6-50
	3.0	14.0	3.0	75	Solid	C30312-2-75	C30312-6-75
	3.0	14.0	3.0	100	Solid	C30312-2-100	C30312-6-100

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	6.0	18.0	6.0	100	Solid	C60618-2-100	C60618-6-100
	6.0	18.0	6.0	150	Solid	C60618-2-150	C60618-6-150
	6.0	19.0	6.0	172	Brazed	C60820-2-170	C60820-6-170
	9.6	19.0	6.0	172	Brazed	C61020-2-170	C61020-6-170
	12.7	25.0	6.0	178	Brazed	C61225-2-175	C61225-6-175*



**Ball - Shape D, KUD, SD**

3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	3.0	2.5	3.0	50	Solid	D30303-2-50	D30303-6-50
	3.0	2.5	3.0	75	Solid	D30303-2-75	D30303-6-75

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	6.0	6.0	6.0	182	Brazed	D60808-2-180	D60808-6-180
	9.6	8.0	6.0	184	Brazed	D61010-2-185	D61010-6-185
	12.7	11.0	6.0	164	Brazed	D61212-2-162	D61212-6-162*

**Oval - Shape E, TRE, SE**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	3.0	6.0	3.0	50	Solid	E30306-2-50	E30306-6-50
	3.0	6.0	3.0	75	Solid	E30306-2-75	E30306-6-75

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	9.6	16.0	6.0	168	Brazed	E61015-2-165	E61015-6-165
	12.7	22.0	6.0	175	Brazed	E61220-2-170	E61220-6-170*

**Ball Nosed Tree - Shape F, RBF, SF**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	3.0	14.0	3.0	50	Solid	F30312-2-50	F30312-6-50
	3.0	14.0	3.0	75	Solid	F30312-2-75	F30312-6-75

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	6.0	18.0	6.0	150	Solid	F60618-2-150	F60618-6-150
	9.6	19.0	6.0	172	Brazed	F61020-2-170	F61020-6-170
	12.7	25.0	6.0	178	Brazed	F61225-2-175	F61225-6-175*

**Long Shank Range**

**Pointed Tree - Shape G, SPG, SG**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	3.0	14.0	3.0	50	Solid	G30312-2-50	G30312-6-50
	3.0	14.0	3.0	75	Solid	G30312-2-75	G30312-6-75

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	9.6	19.0	6.0	172	Brazed	G61020-2-170	G61020-6-170
	12.7	25.0	6.0	178	Brazed	G61225-2-175	G61225-6-175*

**Flame - Shape H, SH**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	3.0	14.0	3.0	50	Solid	H30306-2-50	H30306-6-50
	3.0	14.0	3.0	75	Solid	H30306-2-75	H30306-6-75

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 2	Cut 6
	6.0	19.0	6.0	172	Brazed	H60820-2-170	H60820-6-170
	12.7	32.0	6.0	178	Brazed	H61232-2-182	H61232-6-182*

**Ball Nosed Cone - Shape L, KEL, SL**



3mm shank	Dimensions - All in mm						Part Numbers	
	d1	l1	d2	l2	Type	Angle	Cut 2	Cut 6
	3.0	14.0	3.0	50	Solid	8°	L30312-2-50	L30312-6-50
	3.0	14.0	3.0	75	Solid	8°	L30312-2-75	L30312-6-75

  

6mm shank	Dimensions - All in mm						Part Numbers	
	d1	l1	d2	l2	Type	Angle	Cut 2	Cut 6
	9.6	30.0	6.0	183	Brazed	14°	L61026-2-176	L61026-6-176
	12.7	30.2	6.0	185	Brazed	14°	L61228-2-182	L61228-6-182*

**Coated Range -**

TIAIN coated for extended tool life

**Cylinder without Endcut - Shape A, ZYA, SA**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 6	Cut 3
	3.0	14.0	3.0	38.0	Solid	A30314-6 TIAIN	-

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 6	Cut 3
	6.0	18.0	6.0	50.0	Solid	A60618-6 TIAIN	-
	8.0	19.0	6.0	64.0	Brazed	A60820-6 TIAIN	-
	9.6	19.0	6.0	64.0	Brazed	A61020-6 TIAIN	A61020-3 TIAIN
	12.7	25.0	6.0	70.0	Brazed	A61225-6 TIAIN	A61225-3 TIAIN

**Cylinder with Endcut - Shape B, ZYAS, SB**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 6	Cut 3
	3.0	14.0	3.0	38.0	Solid	B30314-6 TIAIN	-

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 6	Cut 3
	6.0	18.0	6.0	50.0	Solid	B60618-6 TIAIN	-
	8.0	19.0	6.0	64.0	Brazed	B60820-6 TIAIN	-
	9.6	19.0	6.0	64.0	Brazed	B61020-6 TIAIN	B61020-3 TIAIN
	12.7	25.0	6.0	70.0	Brazed	B61225-6 TIAIN	B61225-3 TIAIN

**Ball Nosed Cylinder - Shape C, WRC, SC**



3mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 6	Cut 3
	3.0	14.0	3.0	38.0	Solid	C30312-6 TIAIN	-

  

6mm shank	Dimensions - All in mm					Part Numbers	
	d1	l1	d2	l2	Type	Cut 6	Cut 3
	6.0	18.0	6.0	50.0	Solid	C60618-6 TIAIN	-
	8.0	19.0	6.0	64.0	Brazed	C60820-6 TIAIN	-
	9.6	19.0	6.0	64.0	Brazed	C61020-6 TIAIN	C61020-3 TIAIN
	12.7	25.0	6.0	70.0	Brazed	C61225-6 TIAIN	C61225-3 TIAIN

## Coated Range

### Ball - Shape D, KUD, SD



3mm shank

Dimensions - All in mm

d1	l1	d2	l2	Type	Part Numbers	
					Cut 6	Cut 3
3.0	2.5	3.0	38.0	Solid	D30303-6 TIALN	-

  

d1	l1	d2	l2	Type	Part Numbers	
					Cut 6	Cut 3
6.0	4.7	6.0	50.0	Solid	D60606-6 TIALN	-
8.0	6.0	6.0	52.0	Brazed	D60808-6 TIALN	-
9.6	8.0	6.0	54.0	Brazed	D61010-6 TIALN	D61010-3 TIALN
12.7	11.0	6.0	56.0	Brazed	D61212-6 TIALN	D61212-3 TIALN

6mm shank

### Ball Nosed Tree - Shape F, RBF, SF



3mm shank

Dimensions - All in mm

d1	l1	d2	l2	Type	Part Numbers	
					Cut 6	Cut 3
3.0	14.0	3.0	38.0	Solid	F30312-6 TIALN	-

  

d1	l1	d2	l2	Type	Part Numbers	
					Cut 6	Cut 3
6.0	18.0	6.0	50.0	Solid	F60618-6 TIALN	-
9.6	19.0	6.0	65.0	Brazed	F61020-6 TIALN	F61020-3 TIALN
12.7	25	6.0	70.0	Brazed	F61225-6 TIALN	F61225-3 TIALN

6mm shank

### Pointed Tree - Shape G, SPG, SG



3mm shank

Dimensions - All in mm

d1	l1	d2	l2	Type	Part Numbers	
					Cut 6	Cut 3
3.0	14.0	3.0	38.0	Solid	G30312-6 TIALN	-

  

d1	l1	d2	l2	Type	Part Numbers	
					Cut 6	Cut 3
6.0	18.0	6.0	50.0	Solid	G60618-6 TIALN	-
9.6	19.0	6.0	64.0	Brazed	G61020-6 TIALN	-
12.7	25.0	6.0	70.0	Brazed	G61225-6 TIALN	-

6mm shank

## Coated Range

### Flame - Shape H, SH



6mm shank

Dimensions - All in mm

d1	l1	d2	l2	Type	Part Numbers	
					Cut 6	Cut 3
8.0	19.0	6.0	64.0	Brazed	H60820-6 TIALN	-
12.7	32.0	6.0	77.0	Brazed	H61232-6 TIALN	-

### Ball Nosed Cone - Shape L, KEL, SL



3mm shank

Dimensions - All in mm

d1	l1	d2	l2	Type	Part Numbers	
					Cut 6	Cut 3
3.0	14.0	3.0	38.0	Solid	L30312-6 TIALN	-

  

d1	l1	d2	l2	Type	Part Numbers	
					Cut 2	Cut 3
12.7	32.0	6.0	77.0	Brazed	L61228-6 TIALN	L61228-3 TIALN

6mm shank