

Code: **UBZ** (Blank type)

**Bottle-neck Punch**  
(Trambone type, form D)

d1	L	d2	h	r
2	80	3	3	3.5
	100			
2.1	100	3.2	3	5
2.2	100	3.2	3	5
2.3	100	3.5	3	5
2.4	100	3.5	3	5
2.5	80	3.5	3	5
	100			
2.6	100	4	3	6.5
2.7	100	4	3	6.5
2.8	100	4	3	6.5
2.9	100	4	3	6.5
3	80	4.5	3	6.5
	100			
3.1	100	4.5	3	6.5
3.2	100	4.5	3	6.5
3.3	100	4.5	3	6.5
3.4	100	4.5	3	6.5
3.5	80	5	3	8
	100			
3.6	100	5	3	8
3.7	100	5	3	8
3.8	100	5	3	8
3.9	100	5	3	8
4	80	5.5	4	8
	100			
4.1	100	5.5	4	8
4.2	100	5.5	4	8
4.3	100	5.5	4	8

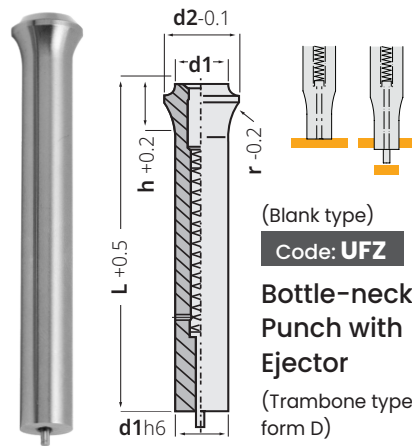


Order:  
**UBZ** x d1 x L



Material: 1.3343 (M2)  
Hardness: 62 - 66 HRC  
Head Hardness: 45 - 55 HRC

d1	L	d2	h	r
4.4	100	5.5	4	8
4.5	80	6	4	8
	100			
4.6	100	6	4	8
4.7	100	6	4	8
4.8	100	6	4	8
4.9	100	6	4	8
5	80	7	4	10
	100			
5.1	100	7	4	10
5.2	100	7	4	10
5.3	100	7	4	10
5.4	100	7	4	10
5.5	80	8	4	10
	100			
5.6	100	8	4	10
5.7	100	8	4	10
5.8	100	8	4	10
5.9	100	8	4	10
6	80	9	4	10
	100			
6.1	100	9	4	10
6.2	100	9	4	10
6.3	100	9	4	10
6.4	100	9	4	10
6.5	100	10	4	12
7	100	10	4	12
7.5	100	11	4	12
8	80	11	4	12
	100			
8.5	100	13	4	15
9	100	13	4	15
9.5	100	14	4	15
10	100	14	4	15
10.5	100	15	4	15
11	100	15	4	15
11.5	100	16	4	15
12	100	16	4	15
12.5	100	17	4	15
13	100	17	4	15
13.5	100	18	4	15
14	100	18	4	15
15	100	19	4	15
16	100	20	4	15
17	100	21	4	15
18	100	22	4	15
19	100	23	4	15
20	100	25	4	15



(Blank type)

Code: **UFZ**

**Bottle-neck Punch with Ejector**

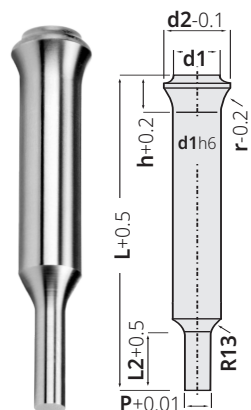
(Trambone type, form D)

d1	L	d2	h	r	d1	L	d2	h	r
5	80	7	8.36	10	10	100	14	11.48	15
	100				11	100	15	11.48	15
6	80	9	9.27	10	12	100	16	11.48	15
	100				13	100	17	11.48	15
7	80	10	9.81	12	15	100	19	11.48	15
	100				16	100	20	11.48	15
8	80	11	9.81	12	20	100	25	12.29	15
	100				25	100	31	13	15
9	100	13	11.48	15					



Order:  
**UFZ** x d1 x L

Material: 1.3343 (M2)  
Hardness: 62 - 66 HRC



**Note:** Special dimensions on request.

Code: **UKZ**

**Bottle-neck Punch Stepped**

(Trambone type, form D)

P	d1	L2	d2	r	h	L
8 ~ 2.9	3	10	4.5	6.5	6.03	71
1 ~ 3.9	4	10	5.5	8	7.38	
1.2 ~ 4.9	5	10	7	10	8.36	
1.6 ~ 5.9	6	10	9	10	9.27	80
2.5 ~ 7.9	8	13	11	12	9.81	
4 ~ 9.9	10	17	14	15	11.48	100
5 ~ 12.9	13	17	17	15	11.48	
8 ~ 15.9	16	17	20	15	11.48	
12 ~ 19.9	20	17	25	15	11.48	



Order:  
**UKZ** d1 x P x L2 x L

Material: 1.3343 (M2)  
Hardness: 62 - 66 HRC