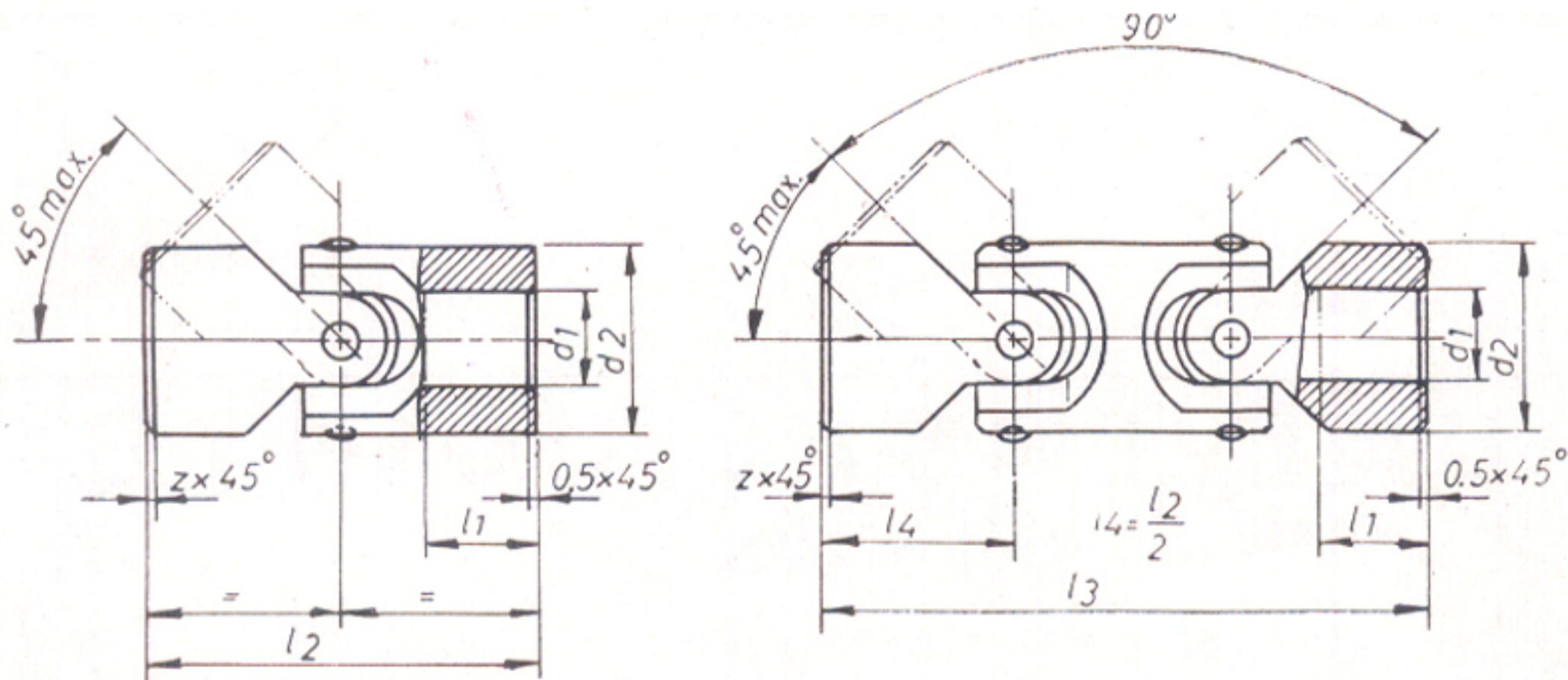


# UNIVERSAL JOINTS

## Series SfN 5014

as per DIN 808, single and double.



From E. Single U.J.  $d_1 = 6$  to 50. Form D, Double U.J.  $d_1 = 10$  to 50

Table - 1 For Dimensions of U.J.

$d_1$	$d_2$	$l_1$	$l_2$	$l_3$	$z$	Loss of Moment		Co-axial tolerance of the bore with each other
						Checked Turning Moment daNm	Turning loss by revolving angle $0^\circ$ min.	
H7	k11		$\pm 1$	$\pm 1$				
6	16	9	34	—	0.5	0.02	45	0.06
8	16	11	40	—				
10	16	15	52	74				
12	20	13	48	—				
12	20	18	62	88	1	0.04	40	0.09
16	25	15	56	86				
16	25	22	74	104				
20	32	19	68	104				
20	32	25	86	124	1	0.17	28	0.12
25	40	23	82	128				
25	40	32	108	156				
32	50	29	105	160				
32	50	40	132	188	1	0.34	25	0.15
40	63	36	130	198				
40	63	50	166	238				
50	75	44	160	245				
50	90	54	190	290		2.8	14	

G - with sliding pin. w = with needle bearing size 10 to 50

Table - 2 Assly of U.J. and Fixing

BORE SIZE	$d_1$	6	8	10	12	16	20	25	32	40	50
	$d_3$	2	3	4	5	6	8	10	12	14	16
	w	4.5	5	6	7.5	9	11	15	18	22	27

TAPER PIN TO DIN

Table - 4 U.J. with square hole to be specified with V

	10	14	19	24	30	36	46
	S M11	10	14	19	24	30	36
	e max	13	18	25	32	40	48
	$d_1$	12	16	20	25	32	40

Table - 3 U.J. with key way to be specified with N

$d_1$	H7	6	8	10	12	16	20	25	32	40	50
	b	P9	—	2	3	4	5	6	8	10	14
	t	—	9	11.4	13.8	18.3	22.8	28.3	35.3	43.5	53.8
	zul. Abw	—					+0.1		+0.2		
					0				0		

Table - 5 Hole configuration for U.J.

HOLE CONFIGURATION OF U.J. HALF				
SHOWN	FOR FORM 'E'	FOR FORM 'D'	FOR FORM 'E'	FOR FORM 'D'
	E 20x N20x 40 DIN 808	D 20x N20x 40 DIN 808	E 20x V19x 40 DIN 808	D 20x V19x 40 DIN 808
	U.J.	U.J.	U.J.	U.J.