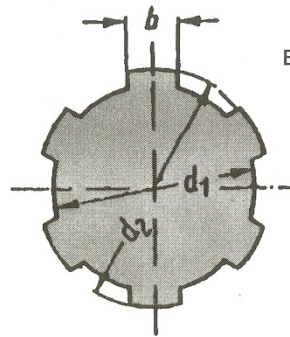
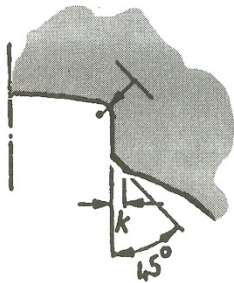
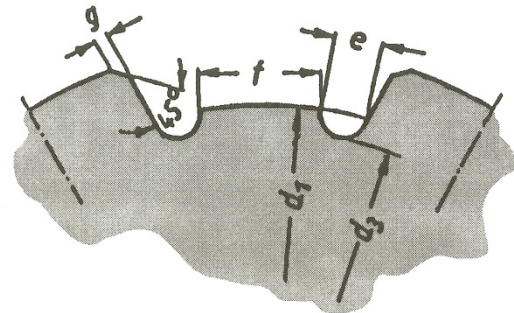


**METRIC PARALLEL SPLINE SHAFT CONNECTIONS - DIN 5463 (in mm)**

A Spline bore profile



B Spline shaft profile



The flank of each key must be parallel to the inside diameter  $d_1'$  as far as to the point of intersection.

Details left unspecified are to be designed as appropriate

Dimensions of a spline bore profile A having the nominal dimensions 8 x 32 x 36: Spline bore profile A 8 x 32 x 38 DIN 5462

Designation of a spline shaft profile B having the nominal dimensions 8 x 46 x 54: Spline shaft profile B 8 x 46 x 54 DIN 5463

- 1) Internal centering is not possible for all profiles when producing spline shaft profiles by the hobbing process.
- 2) These values have been calculated on the basis that the spline shaft profiles are produced by the hobbing process
- 3) Tolerances for inside diameter  $d_1$ , outside diameter  $d_2$ , and key width  $b$  should be stated
- 4) The old symbol should no longer be used for new construction and remains in force only for the transition period.



90 Bissel Street

Joliet, IL 60432

phone 800.876.7216

fax 815.723.9207

**METRIC PARALLEL SPLINE SHAFT CONNECTIONS - DIN 5463 (in mm)**

Nominal dimensions		No. of Keys	Centering	d1	d2	b	D3	e2	f	g	K	r	
New symbol Number of keys inside diameter outside diam.	Old symbol inside diam. Outside diam. width of key												
6 x 11 x 14	11 x 14 x 4	6	interior	11	14	3	9.9	1.55		0.3	0.3	0.2	
6 x 13 x 16	13 x 16 x 3.5		centering	13	16	4	12	1.5	0.32	0.3	0.3	0.2	
6 x 16 x 20	16 x 20 x 4				16	20	4	14.5	2.1	0.16	0.3	0.3	0.2
6 x 16 x 22	18 x 22 x 5				18	22	5	16.7	1.95	0.45	0.3	0.3	0.2
6 x 21 x 25	21 x 25 x 5				21	25	5	19.5	1.98	1.95	0.3	0.3	0.2
6 x 23 x 28	23 x 28 x 6				23	28	6	21.3	2.3	1.34	0.3	0.3	0.2
6 x 26 x 32	26 x 32 x 6				26	32	6	23.4	2.94	1.65	0.4	0.4	0.3
6 x 28 x 34	28 x 34 x 7				28	34	7	25.9	2.94	1.7	0.4	0.4	0.3
8 x 32 x 36	32 x 38 x 6	8	interior	32	38	6	29.4	3.3	0.15	0.4	0.4	0.3	
8 x 36 x 40	36 x 42 x 7		or flank	35	42	7	33.9	3.01	1.02	0.4	0.4	0.3	
8 x 42 x 46	42 x 48 x 8		centering	42	48	8	39.5	2.91	2.57	0.4	0.4	0.3	
8 x 46 x 50	46 x 54 x 9				46	54	9	42.7	4.1	0.86	0.5	0.5	0.5
8 x 52 x 58	52 x 60 x 10				52	60	10	48.7	4.74	2.44	0.5	0.5	0.5
8 x 56 x 62	56 x 65 x 10				56	65	10	52.2	5	2.5	0.5	0.5	0.5
8 x 62 x 68	62 x 72 x 10				62	72	12	57.8	5.43	2.4	0.5	0.5	0.5
10 x 72 x 72	72 x 82 x 12		10		72	78	12	67.4	5.43		0.5	0.5	0.5
10 x 82 x 92	82 x 92 x 12			82	88	12	77.1	5.4	3	0.5	0.5	0.5	
10 x 92 x 102	92 x 102 x 14			92	98	14	87.3	5.2	4.5	0.5	0.5	0.5	
10 x 102 x 112	102 x 112 x 16			102	108	16	97.7	4.9	6.3	0.5	0.5	0.5	
10 x 112 x 125	112 x 125 x 18			112	120	18	106	3.4	4.4	0.5	0.5	0.5	