



**2 Bore code**

- B** without keyway
- K** with keyway
- V** with square

**5 Type**

- EW** single, needle bearing
- DW** double, needle bearing

<b>1</b> $d_1$	<b>3</b> $d_2$ H7 Bore	<b>3</b> $s$ H10 Square	<b>4</b> $l_1$ Type EW	<b>4</b> $l_2$ Type DW	$l_3$	$l_4$	$t + 1$ max. assembly length of the shaft	Permissible r.p.m. / torque / Selection of the size → Page 1143
22	10	V 10*	48	74	24	26	12	
22	12	V 10*	62	88	31	26	18	
25	12	V 12*	56	86	28	30	13	
25	16	V 12*	74	104	37	30	21	
28	14	V 14*	60	96	30	36	13	
32	16	V 16*	68	105	34	37	16	
32	20	V 16*	86	124	43	38	24	
36	18	V 18*	74	114	37	40	17	
42	20	V 20*	82	128	41	46	18	
42	25	V 20*	108	156	54	48	31	
45	22	V 22*	95	145	47,5	50	22	
50	25	V 25*	108	163	54	55	26	
50	30	V 25*	132	188	66	56	38	
58	30	V 30*	122	190	61	68	29	
58	32	V 30*	130	198	65	68	33	
70*	35	V 35	140	212	70	72	35	

\* not available from stock, requires a minimum order quantity

**Specification**

- Steel blank
- Joint bearing areas, pins case hardened
- Keyway JS9 DIN 6885 → Page 1420
- Cross holes GN 110.1 → Page 1422
- ISO-Fundamental tolerances → Page 1479
- RoHS compliant

**On request**

- with other or unequal bores

**Information**

The permissible r.p.m. of universal joints with needle bearings DIN 808 is higher than for those with friction bearings, but is still dependent on the load, duration of use as well as angular disposition. Ideal applications allow speeds of up to 4000 r.p.m → Page 1143.

Needle bearings give the universal joints at 3° to 5° angular disposition a considerably higher degree of efficiency than those fitted with friction bearings. The needle bearings have a permanent lubrication and thus do not require servicing. Information regarding the selection of universal joints with needle bearing.

How to order

<b>1</b>	$d_1$
<b>2</b>	Bore code
<b>3</b>	$d_2$ (s)
<b>4</b>	$l_2$ ( $l_1$ )
<b>5</b>	Type

DIN 808-50-B 25-163-DW