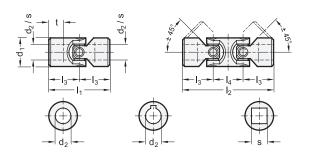
## **Universal Joints with Needle Bearing**

Extract

Single or Double







- Bore code
- 3 Without keyway
- With keywayWith square
- **5** Туре
- **EW** Single, needle bearing **DW** Double, needle bearing

<b>U</b>	3	3	4	4	<b>DW</b> Double, needle bearing			
d <sub>1</sub>	<b>d<sub>2</sub></b> H7 Bore	<b>s</b> H10 Square	I <sub>1</sub> Type EW	<b>I<sub>2</sub></b> Type DW	I <sub>3</sub>	I <sub>4</sub>	t +1 Max. assembly leng of the shaft	ŋth
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	1645
25	16	V 12*	74	104	37	30	21	) e 16
28	14	V 14*	60	96	30	36	13	/ torque → <i>Page</i>
32	16	V 16*	68	105	34	37	16	\ tor
32	20	V 16*	86	124	43	38	24	-
36	18	V 18*	74	114	37	40	17	p. p.i
42	20	V 20*	82	128	41	46	18	l the
42	25	V 20*	108	156	54	48	31	Permissible r.p.m. Determining the size
45	22	V 22*	95	145	47,5	50	22	iji ji
50	25	V 25*	108	163	54	55	26	Pe
50	30	V 25*	132	188	66	56	38	۵
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 Plain
- Joint bearing areas, pins Case-hardened
- Keyway JS9 DIN 6885 → Page 2078
- Cross Holes GN 110.1 → Page 2081
- ISO Fundamental Tolerances → Page 2151
- RoHS

## 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  $4000 \text{ r.p.m} \rightarrow Page \ 1645$ .

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	1	d <sub>1</sub>	
	2	Bore code	
	3	d <sub>2</sub> (s)	
1 2 3 4 5	4	I <sub>2</sub> (I <sub>1</sub> )	
DIN 808-50-B 25-163-DW	5	Туре	