

CHINABASE Precision joints

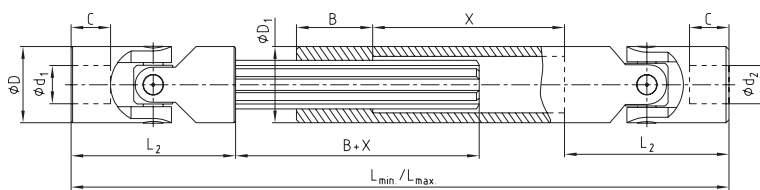
according to DIN 808 with plain and needle bearing

Type GA and HA; extendable



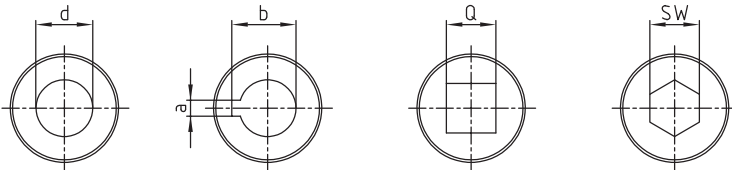
- Precision double joint - extendable, maximum articulation angle 45° for each joint
- Bridging of bigger shaft distances
- Type GA (plain bearing) $n_{max.} = 1000 \text{ min}^{-1}$
- Type HA (needle bearing) $n_{max.} = 4000 \text{ min}^{-1}$
- Available with quick locking GR; HR
- Available with finish bore H7 - on request available with keyway, thread for setscrews, square or hexagon bore

NEW ● Sizes 01 GA and 02 GA are new in our programme!



Size	Dimensions									
	$L_{min.} / L_{max.}$					Standard lengths				
03	140	160	180	230						
	170	200	240	330						
04	160	180	200	220	250	280	300			
	190	225	270	300	355	420	450			
05	170	180	200	220	250	280	300	350	400	
	200	220	260	300	350	420	450	550	650	
1	190	210	240	250	275	300	380	400		
	210	250	350	350	390	430	590	630		
2	230	250	270	290	300	400	500			
	280	320	370	400	415	620	820			
3	250	270	290	320	380	420	500			
	300	340	380	440	560	640	800			
4	250	270	290	330	350	470				
	280	320	350	430	470	710				
5	295	310	350	380	420	460	500			
	345	375	450	500	590	660	745			
6	330	350	370	400	450	500	540			
	380	420	455	510	620	720	795			

Finish bores:



Type GA with plain bearing $n_{max} = 1000 \text{ min}^{-1}$ Type HA with needle bearing $n_{max} = 4000 \text{ min}^{-1}$

Size		d_1, d_2 [H7]	D	L_2	C	$L_{min.}/L_{max.} / X$	B	a [JS9]	b	Q [H8]	SW [H8]	Spline shaft	D_1
GA	HA												
01 GA	-	6	16	34	8	← →	25	2	7,0	6	6	SW8	16
02 GA	-	8	16	40	11	← →	25	2	9,0	8	8	SW8	16
03 GA	03 HA	10	22	48	12	← →	30	3	11,4	10	10	11 x 14 Z6	22
04 GA	04 HA	12	25	56	13	← →	40	4	13,8	12	12	13 x 16 Z6	26
05 GA	05 HA	14	28	60	13	← →	40	5	16,3	14	14	13 x 16 Z6	29
1 GA	1 HA	16	32	68	16	← as per customers' request →	40	5	18,3	16	16	16 x 20 Z6	32
2 GA	2 HA	18	36	74	17	← →	40	6	20,8	18	18	18 x 22 Z6	37
3 GA	3 HA	20	42	82	18	← →	45	6	22,8	20	20	21 x 25 Z6	42
4 GA	4 HA	22	45	95	22	← $L_{min.} / L_{max.}$ →	50	6	24,8	22	22	23 x 28 Z6	47
5 GA	5 HA	24	50	108	26	← →	50	8	28,3	25	25	26 x 32 Z6	52
6 GA	6 HA	30	58	122	29	← →	60	8	33,3	30	30	32 x 38 Z8	58
7 GA	7 HA	35	70	140	35	← →	70	10	38,3	-	-	36 x 42 Z8	70
8 GA	8 HA	40	80	160	40	← →	80	12	43,3	-	-	42 x 48 Z8	80
9 GA	9 HA	50	95	190	50	← →	90	14	53,8	-	-	46 x 54 Z8	95

Calculation of mounting lengthes L and X (Stroke)

$$\text{Stroke } X \leq \frac{L_{max.} - 2 \cdot L_2 - B}{2}$$

$$L_{min.} \geq \frac{L_{max.} + 2 \cdot L_2 + B}{2}$$

minimum dimension $L_{min.}$
 $L_{min.} = L_2 + B + X + L_2$

Order form:

3 GA	$d_1 = \emptyset 20$	$d_2 = \emptyset 20$ keyway DIN	550/650
Size/type of joint	Finish bore (H7)	Finish bore (H7) keyway to DIN 6885 sheet 1 (JS9)	Mounting length $L_{min.}/L_{max.}$