

# Single needle roller universal joint

## H Industrial range

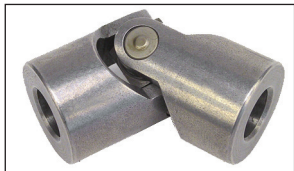
- **Standard series**
- **Needle bearings**
- Suitable for speeds up to 4000 rpm
- Max. misalignment angle 45°
- **Materials:**  
Body: C45 steel  
Pin: Hardened steel 18NCD4

### Uses

- High speed applications

### Accessories

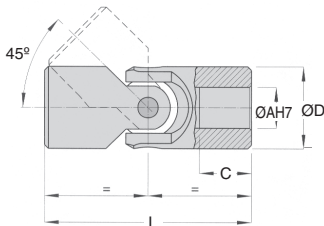
- Optional rubber cover



### Modifiable bore



High speed applications



Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

### Effect of operating angle

The torques below are given for a 10° angle. For other angles, the appropriate factor from this table should be applied. E.g. For 100Nm to be transmitted at 20°, the corrected value of torque becomes  $100/0.75 = 133$  Nm and a joint should be chosen that can transmit 133Nm at the required speed.

### DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	ØD	ØA	C	L	Torque (Nm)						Stock*	Price each
					at 250 rpm	at 500 rpm	at 1000 at 2000 rpm	at 3000 rpm	at 4000 rpm			
H02-A-8/8	16	8	15	52	-	-	-	6,9	-	-	✓	55,03 €
H03-A-10/10	20	10	18	62	26,4	20,4	16,8	13,2	12,0	10,8	✓	49,52 €
H05-A-14/14	25	14	20	74	40,8	34,8	28,8	26,4	24,0	21,6	✓	49,52 €
H1-A-16/16	32	16	24	86	78,0	66,0	54,0	48,0	44,4	38,4	✓	55,03 €
H2-A-18/18	37	18	17	72	90,0	73,2	60,0	54,0	48,0	43,2	✓	57,91 €
H3-A-20/20	40	20	30	108	168,0	144,0	120,0	96,0	84,0	78,0	✓	66,06 €
H4-A-22/22	47	22	22	95	194,4	158,4	129,6	105,6	92,4	85,2	-	76,86 €
H5-A-25/25	50	25	38	132	240,0	204,0	156,0	132,0	108,0	102,0	✓	85,32 €
H6-A-30/30	63	30	45	166	360,0	324,0	276,0	228,0	192,0	168,0	-	109,87 €
H61-A-32/32	63	32	45	166	360,0	324,0	276,0	228,0	192,0	168,0	-	102,34 €
H7-A-35/35	70	35	35	140	391,2	332,4	284,4	237,6	201,6	-	-	185,22 €
H8-A-40/40	80	40	50	180	438,0	363,6	306,0	246,0	223,2	-	-	255,02 €
H9-A-50/50	95	50	54	190	482,4	402,0	330,0	270,0	237,6	-	-	357,36 €

\*Depending on availability - Dimensions in mm



# Double needle roller universal joint

## Industrial range

## HD

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- **Needle bearings**
- Suitable for speeds up to 4000 rpm
- Max. misalignment angle 45°
- **Materials:**
  - Body: C45 steel
  - Pin: Hardened steel 18NCD4



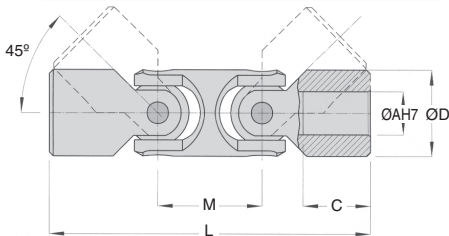
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### Accessories

- Optional rubber cover

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5°	1,25
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### Effect of operating angle

The torques below are given for a 10° angle. For other angles, the appropriate factor from this table should be applied. E.g. For 100Nm to be transmitted at 20°, the corrected value of torque becomes  $100/0.75 = 133 \text{ Nm}$  and a joint should be chosen that can transmit 133Nm at the required speed.

**High speed applications**

### DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

	ØD	ØA	C	M	L	Torque (Nm)				Price each			
						at 250 rpm	at 500 rpm	at 1000 rpm	at 2000 rpm		at 3000 rpm	at 4000 rpm	
HD03-A-10/10	20	10	18	26	88	26,4	20,4	16,8	13,2	12,0	10,8	✓	148,71 €
HD05-A-14/14	25	14	19	33	104	40,8	34,8	28,8	26,4	24,0	21,6	✓	116,63 €
HD1-A-16/16	32	16	24	39	125	78,0	66,0	54,0	48,0	44,4	38,4	✓	116,63 €
HD3-A-20/20	40	20	30	48	156	168,0	144,0	120,0	96,0	84,0	78,0	✓	157,41 €
HD5-A-25/25	50	25	37	59	188	240,0	204,0	156,0	132,0	108,0	102,0	✓	187,42 €
HD6-A-30/30	63	30	41	80	238	360,0	324,0	276,0	228,0	192,0	168,0	✓	211,71 €
HD61-A-32/32	63	32	41	80	238	360,0	324,0	276,0	228,0	192,0	168,0		197,19 €
HD7-A-35/35	70	35	30	78	212	391,2	332,4	284,4	237,6	201,6	-		392,42 €
HD8-A-40/40	80	40	48	120	290	438,0	363,6	306,0	246,0	223,2	-		632,98 €
HD9-A-50/50	95	50	50	120	290	482,4	402,0	330,0	270,0	237,6	-		738,44 €

Dimensions in mm

## Our other products



BOX-TOR-D

Box set of Nitrile O-rings in nitrile, 18.00 x 2.00mm to 50.00 x 5.00



GE1006

Elastic ringed latch,  
Hooks into a slot



SRG

Adjustable latch  
clamp with strike  
plate, Stroke from  
96mm to 121,7mm



PSG125HC

Skive hobbed spur  
gears - precision  
range, Case hardened  
steel 20NCD2



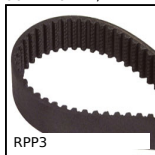
BDP2R

Adjustable support  
arm, Increased grip



TS01\_TW01

Drylin® T linear slide,  
up to 7000 N



RPP3

RPP heavy duty  
timing belt, RPP3



DOMI50

Accessories, Turntable



CHT

Asynchronous AC  
motor 0.12 to 0.22kW,  
0.12 to 0.22kW



HG5

Steel spur gear, Steel  
20NCD2



ACLERP

Roller block for  
aluminium profile,  
Without guide rail



SCR

Suction cup threaded  
insert, Adaptor for  
insert

## Complementary products



M

Bellows cover,  
Accessory:



H02

Single needle roller  
universal joint, Heavy  
duty



HDSS

Needle roller double  
universal joint -  
Stainless steel, Heavy  
duty



H02SS

Needle roller universal  
joint - Stainless steel,  
Heavy duty  
DIN808-7...