



Double needle roller universal joint

Industrial range

HD

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



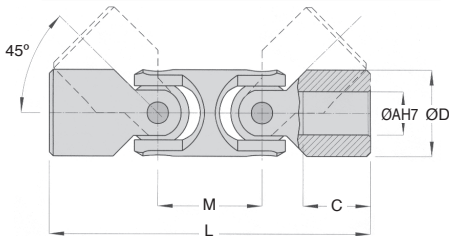
Uses

- High speed applications

Accessories

- Optional rubber cover

Modifiable bore



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 $100/0.75 = 133 \text{ Nm}$ 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

Part number	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	19,8	15,3	12,6	9,9	9,0	8,1	148,71 €
HD05-A-14/14	25	14	19	33	104	30,6	26,1	21,6	19,8	18,0	16,2	116,63 €
HD1-A-16/16	32	16	24	39	125	58,5	49,5	40,5	36,0	33,3	28,8	116,63 €
HD3-A-20/20	40	20	30	48	156	126,0	108,0	90,0	72,0	63,0	58,5	157,41 €
HD5-A-25/25	50	25	37	59	188	180,0	153,0	117,0	99,0	81,0	76,5	187,42 €
HD6-A-30/30	63	30	41	80	238	270,0	243,0	207,0	171,0	144,0	126,0	211,71 €
HD61-A-32/32	63	32	41	80	238	-	-	-	-	-	-	On request
HD7-A-35/35	70	35	30	78	212	293,4	249,3	213,3	178,2	151,2	-	On request
HD8-A-40/40	80	40	48	120	290	328,5	272,7	229,5	184,5	167,4	-	On request
HD9-A-50/50	95	50	50	120	290	361,8	301,5	247,5	202,5	178,2	-	On request

Dimensions in mm

Our other products



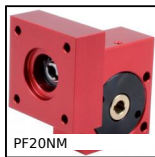
Linear bearing,
Precision - stainless
steel / -20°C +80°C



Numerical counter (No
of turns), 5 numbers



Tightener for chains,
Chain idler sprocket -
Plastic



Worm and wheel
gearbox, up to 5 Nm



Linear bearing,
Precision - stainless
steel / -20° +140°



Spur gear - precision
range, Case hardened
steel 20NCD2



Flexible coupling,
Single disk



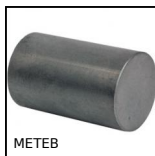
Housing for linear
bearing, Closed - Slim



Spring plunger with
pressure pin, LONG-
LOK - steel body and



Tube end cap,
Standard



Self-lubricating
blanks, Ferrous alloy
(FP20)



Anti vibration mount,
Steel

Complementary products



Bellows cover,
Standard



Universal joint - steel,
Needle bearings -
single