

Precision Universal Joints similar to DIN 808, Stainless Steel, with Needle-Roller Bearings

The needle-bearing universal joints have almost zero backlash, high accuracy and good turning properties. The combination of stainless steel body and standard needle bearings allows the use in applications where high speed and low backlash are required,

even in demanding conditions. A special grinding process realizes a perfect parallelism of the axes and the single parts of the joints - which guarantees an extremely long service life.

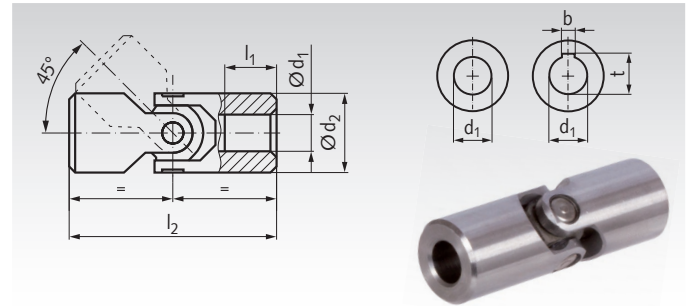
Single, Precision Universal Joints WENR, Stainless Steel, with Needle-Roller Bearings

Material: Stainless steel 1.4301 (X5CrNi1810).
Needle bearings from EN 10027-1 DC04 (1.0338)
and 100Cr6.



Max. Operating Angle 45°.

Optionally without or with keyway DIN 6885-1, on both sides.



Ordering Details: e.g.: Product No. 631 991 22, Precision, Universal Joint WENR stainless, 10 mm Bores, without Keyway

Product No. without keyway	Product No. with keyway	d ₁ ^{H7} mm	d ₂ mm	l ₁ mm	l ₂ mm	b ^{JS9} mm	t mm	perm. max. Torques at different Speeds			Weight kg
								250 min ⁻¹ Nm	1000 min ⁻¹ Nm	3600 min ⁻¹ Nm	
631 991 22	631 991 22N	10	20	18	62	3	11,4	21,1	13,4	8,6	0,10
631 991 26	631 991 26N	14	25	20	74	5	16,3	32,6	23,0	17,3	0,18
631 991 32	631 991 32N	16	32	24	86	5	18,3	62	43,2	30,7	0,33
631 991 40	631 991 40N	20	40	30	108	6	22,8	134	96	62	0,71
631 991 50	631 991 50N	25	50	38	132	8	28,3	192	125	82	1,33
631 991 63	631 991 63N	30	63	45	166	8	33,3	288	221	134	2,78

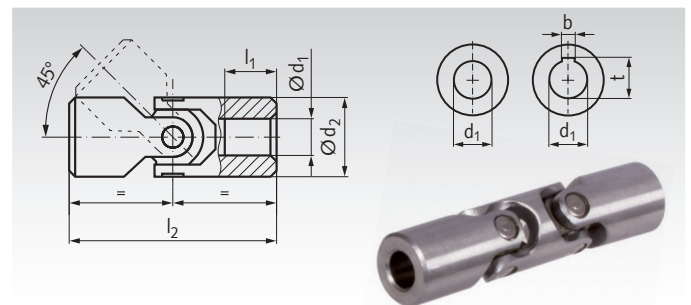
Double, Precision Universal Joints WDNR, Stainless Steel, with Needle-Roller Bearings

Material: Stainless steel 1.4301 (X5CrNi1810).
Needle bearings from EN 10027-1 DC04 (1.0338)
and 100Cr6.



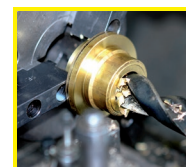
Max. Operating Angle 90°.

Optionally without or with keyway DIN 6885-1, on both sides.



Ordering Details: e.g.: Product No. 631 996 20, Precision Universal Joint WDNR stainless, 10 mm Bores, without Keyway

Product No. without keyway	Product No. with keyway	d ₁ ^{H7} mm	d ₂ mm	l ₁ mm	l ₃ mm	l ₄ mm	b ^{JS9} mm	t mm	perm. max. Torques at different Speeds			Weight kg
									250 min ⁻¹ Nm	1000 min ⁻¹ Nm	3600 min ⁻¹ Nm	
631 996 20	631 996 20N	10	20	18	88	26	3	11,4	21,1	13,4	8,6	0,14
631 996 26	631 996 26N	14	25	19	104	33	5	16,3	32,6	23,0	17,3	0,24
631 996 32	631 996 32N	16	32	24	125	39	5	18,3	62	43,2	30,7	0,52
631 996 40	631 996 40N	20	40	30	156	48	6	22,8	134	96	62	1,01
631 996 50	631 996 50N	25	50	37	188	59	8	28,3	192	125	82	1,63
631 996 63	631 996 63N	30	63	41	238	80	8	33,3	288	221	134	3,90



**Reworking within
24h-service possible.
Custom made parts
on request.**