UNIVERSAL JOINTS

FORGED/CAST STEEL

UJNS/UJNL SERIES BOS-TRONG®



A BOS-trong® joint is composed of two yokes and a center kit. BOS-trong joints may be purchased assembled, or as separate yokes and center kits. Individually boxed.

AVAILABLE IN TWO SIZES EQUIPPED WITH NEEDLE BEARINGS PRECISION MACHINED FOR LONG, SMOOTH OPERATION CONTINUOUS OR INTERMITTENT SERVICE HIGH CAPACITY WITH MINIMUM SWING DIAMETER **BROAD RANGE OF HOLE DIAMETERS** AVAILABLE WITH ROUND, SQUARE OR HEXAGON HOLES COMPLETE WITH KEYWAY AND SETSCREW **REPLACEABLE CENTER KITS** FITTING FOR LUBRICATION

SELECTION

Universal Joints are used in many different types of applications and under a wide variety of operating conditions. No convenient method can be presented for determining ratings for all possible circumstances. Performance will be affected by vibration, shock loading, high temperature, dusty environment, etc.

The simplest solution to this problem is to provide approximate ratings of universal joints operating at various angles and speeds under normal service conditions.

The suggested ratings are for general use in applications where two joints are arranged at equal angles with the bearing pins of the intermediate yokes in line with each other.

Service torque ratings of the two sizes of BOS-trong® Needle Bearing universals are listed in tables. Ratings for intermediate speeds and/or angles not shown may be found by interpolation.

	UJNS Series Operating Angle [*] —Degrees (Deviation from Straight Line)						UJNL Series Operating Angle [†] —Degrees (Deviation from Straight Line)					
Speed RPM	Up to 3°	5°	8 °	12°	20°	30°	Up to 3°	5°	8 °	12°	20 °	30°
1800	610	515	440	—	_	—	845	710	610	_	—	_
1200	700	590	505	435	—	—	965	815	695	600	—	
900	770	650	555	480	365	—	1060	895	765	660	500	
600	880	740	635	545	415	260	1210	1020	875	755	575	355
300	1110	935	800	690	525	325	1530	1290	1100	950	725	450
200	1270	1070	915	790	600	370	1750	1480	1260	1090	825	515
100	1600	1350	1150	995	755	470	2210	1860	1590	1370	1040	645
50	2020	1700	1450	1250	950	590	2780	2350	2000	1730	1310	815
25	2540	2140	1830	1580	1200	745	3500	2960	2530	2180	1650	1020
10	3450	2900	2480	2140	1630	1010	4760	4010	3430	2960	2250	1390

APPROXIMATE TORQUE RATINGS (LB. INS.)

LOAD DATA

Non Operating Flex angle-90°

*Maximum Angles (Momentary)—45° †Maximum Angles (Momentary)—35°

