

# UNIVERSAL JOINTS - DIMENSIONS AND POWER RATINGS



SERIES	CROSS KITS		JOINT CAPACITY									
			DYNAMIC								STATIC	
			540 RPM		1000 RPM		MAXIMUM TORQUE STD. KIT		MAXIMUM TORQUE E-KIT		MAXIMUM TORQUE	
	POWER STD. KIT	POWER E-KIT	POWER STD. KIT	POWER E-KIT								
	A	B	HP	HP	HP	HP	in•lbs	Nm	in•lbs	Nm	in•lbs	Nm
Inches	Inches	HP	HP	HP	HP	in•lbs	Nm	in•lbs	Nm	in•lbs	Nm	
<b>NEEDLE BEARING STYLE</b>												
02	.59	1.50	-	4	-	7	-	-	1,000	113	2,000	226
07	.75	1.91	-	10	-	16	-	-	2,500	282	6,400	723
6	.97	2.28	14	19	21	29	3,000	339	4,000	452	10,000	1130
12	1.06	2.50	19	26	29	40	4,400	497	6,400	723	16,000	1808
14	1.13	2.62	28	38	44	58	6,500	734	7,200	813	22,000	2486
35	1.25	3.20	51	70	79	108	9,800	1107	13,500	1525	35,000	3954
44	1.31	4.00	77	103	119	158	17,000	1921	22,000	2486	50,000	5649
55	1.53	4.30	106	137	164	211	24,000	2712	28,000	3164	65,000	7344
77	1.78	4.96	-	171	-	264	-	-	45,000	5084	110,000	12428
100	.94	2.36	15	-	22	-	3,000	339	-	-	10,000	1130
310	1.06	3.21	34	-	53	-	9,600	1085	-	-	19,200	2169
350	1.19	3.62	59	-	90	-	14,880	1681	-	-	27,120	3064
410	1.19	4.18	71	-	109	-	18,000	2034	-	-	32,400	3661
480	1.38	4.18	95	-	146	-	24,000	2712	-	-	39,960	4515
550	1.38	4.66	121	-	186	-	28,800	3254	-	-	52,800	5966
<b>PLAIN BEARING STYLE</b>												
12	1.06	2.50	-	-	-	-	-	-	-	-	16,000	1808
35	1.25	3.20	-	-	-	-	-	-	-	-	35,000	3954
55	1.53	4.30	-	-	-	-	-	-	-	-	65,000	7344

- E-Kit provides increased capacity and extended lubrication intervals.
- Extended lubrication drive shaft includes E-Kits and hardened spline shafting.

**Maximum Dynamic Torque is the dynamic load limit of the needle bearings  
Power Values are for 1000 hours life and 5° angle**

# WIDE-ANGLE CV JOINTS - DIMENSIONS AND POWER RATINGS



SERIES	CROSS KITS		JOINT CAPACITY									
			DYNAMIC								STATIC	
			540 RPM		1000 RPM		MAXIMUM TORQUE STD. KIT		MAXIMUM TORQUE E-KIT		MAXIMUM TORQUE	
	POWER STD. KIT	POWER E-KIT	POWER STD. KIT	POWER E-KIT								
	A	B	HP	HP	HP	HP	in•lbs	Nm	in•lbs	Nm	in•lbs	Nm
Inches	Inches	HP	HP	HP	HP	in•lbs	Nm	in•lbs	Nm	in•lbs	Nm	
<b>50° CONSTANT VELOCITY JOINT</b>												
CAT 1-50°	.969	2.28	16	21	25	32	3,200	362	4,000	452	10,000	1130
CAT 3-50°	1.126	2.62	31	41	48	63	6,500	734	7,200	813	28,000	3164
CAT 4-50°	1.251	3.20	57	77	87	119	12,000	1356	13,500	1525	36,000	4067
CAT 6-50°	1.533	4.30	117	151	179	232	24,000	2712	30,000	3390	85,500	9660
<b>70° CONSTANT VELOCITY JOINT</b>												
CAT 1-70°	.969	2.28	16	21	25	32	3,200	362	4,000	452	6,800	768
<b>80° CONSTANT VELOCITY JOINT</b>												
CAT 2-80°	.866	2.41	16	19	25	29	3,600	407	4,300	486	16,000	1808
CAT 3-80°	1.063	3.21	35	52	54	80	8,200	926	10,500	1186	26,000	2938
CAT 4-80°	1.188	3.62	64	79	99	122	13,126	1483	14,931	1687	38,058	4300
CAT 5-80°	1.251	3.20	77	103	119	158	13,000	1469	14,500	1638	50,000	5649
CAT 6-80°	1.375	4.18	117	151	179	232	20,000	2260	24,000	2712	65,000	7344

- Centering assembly includes floating plates that retain lubricant and keep dirt and contaminants out.
- Ball and socket design provides surface contact to distribute loads and reduce wear.
- Ball and socket lubrication system provides positive method of lubrication to grease ball and socket in each yoke through one common fitting.
- Articulated guard system maintains full coverage with mating guard bell as CV is angled up to 80°.
- E-Kit provides increased capacity and extended lubrication intervals.
- Extended lubrication CV drive shaft includes E-Kits, E-ball and socket yokes, E-center housing and hardened spline shafting.

**Maximum Dynamic Torque is the dynamic load limit of the needle bearings  
Power Values are for 1000 hours life and 5° angle**