HTJ (High Top Joint)

Compact and higher allowable torque than Large size DOJ

◇Feature

●High load capacity

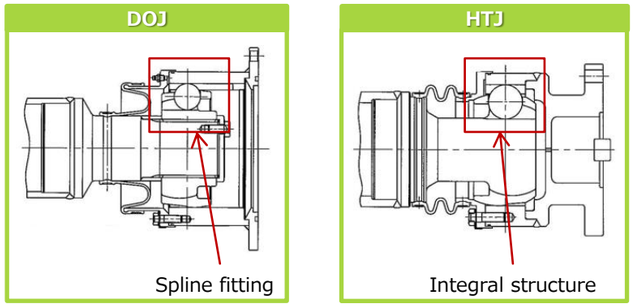
Achieve a high load capacity by integral structure of Inner-race and Shaft.

Achieve the compactness of 23-33% compared to DOJ.

●High rigidity

Achieve higher strength and rigidity than Large size DOJ by integral structure of Inner-race and Shaft.

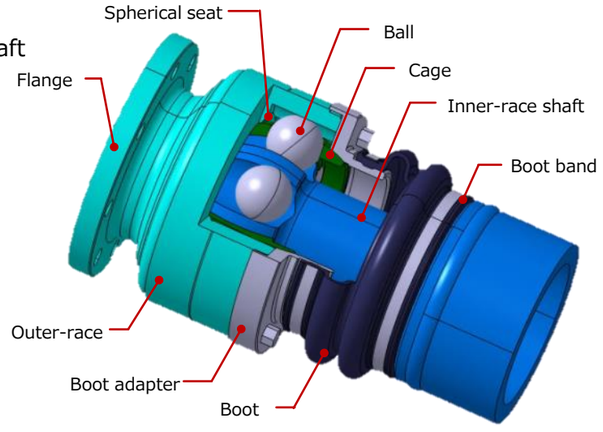
Comparison of DOJ and HTJ



◇Structure

・HTJ has integral structure of Inner-race and Shaft

・ Regulate axial sliding by cage contact with the spherical seat and boot adapter.



◇Allowable speed

MAX. 300min^{-1}

◇Allowable angle

MAX. 8°

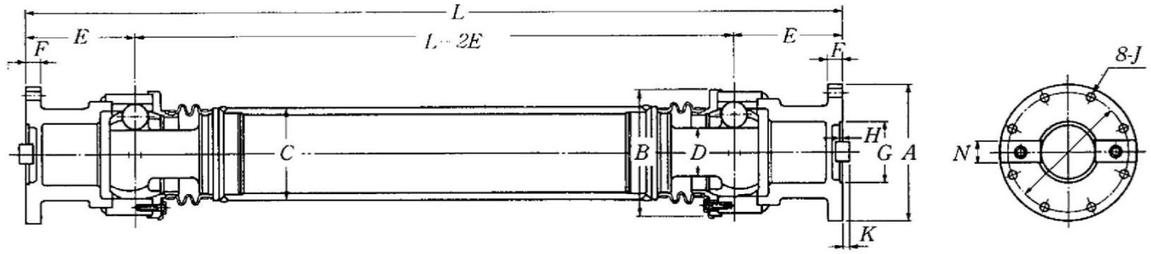
◇Dimension ◇Allowable torque

Size

HTJ 200 | HTJ 220 | HTJ 240 | HTJ 260 | HTJ 280 | HTJ 300 | HTJ 350 | HTJ 400 | HTJ 450 | HTJ 500

Joint basic number	Dynamic allowable torque		Outside dia.			Shaft dia.	Width.		Socket dia.		Hole dia.		Key		Spline			Min. length L			
															M (F4 type only)			F3 type		F4 type	
			A	B	C	D	E	F	G	H	I	J	K	N	Dia.	Depth	Module	Base	Plunge	Base	Plunge
	N・m	kgf・m	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			mm	mm	mm	mm
HTJ200	16500	1680	225	208	152	81.5	180	24	100	3.5	197	15	13	40	113	28	3.75	750	±10	1200	+50~0
HTJ220	20200	2060	240	232	152	87.5	185	24	105	4.5	208	17	13	40	113	28	3.75	800	±10	1250	+50~0
HTJ240	27000	2750	265	242	191	96.0	210	31	115	4.5	229	19	17	50	140	29	4.50	900	±10	1350	+50~0
HTJ260	35000	3570	285	263	191	105.0	230	31	125	5.0	245	21	17	50	140	29	4.50	950	±10	1450	+50~0
HTJ280	48000	4900	310	282	216	120.0	245	34	135	6.0	270	21	19	55	153	39	3.75	1050	±10	1500	+50~0
HTJ300	50200	5120	330	303	216	125.0	255	34	145	6.0	286	23	19	60	153	39	3.75	1100	±10	1550	+50~0
HTJ350	86900	8860	395	363	280	150.0	280	38	175	6.0	347	25	21	65	204	32	6.00	1150	±10	1650	+50~0
HTJ400	118000	12000	445	413	320	198.0	310	42	205	8.0	391	29	23	70	240	38	6.00	1400	±10	1900	+50~0
HTJ450	154000	15700	490	453	356	216.0	340	47	225	8.0	430	32	226	80	255	32	7.50	1550	±10	2050	+50~0
HTJ500	244000	24900	570	534	400	253.0	390	50	260	100	504	35	28	85	285	36	10.00	1750	±10	2250	+50~0

F3 type



F4 type