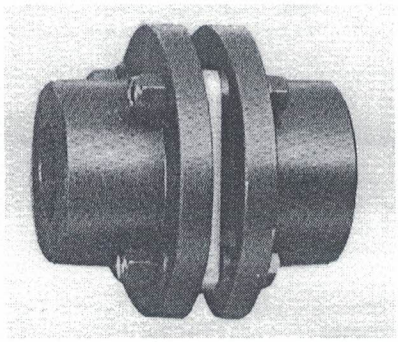
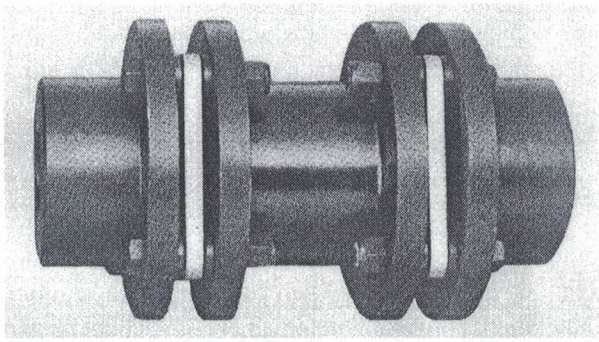
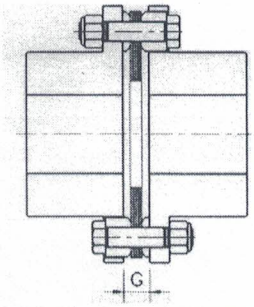
WCC DISC COUPLING

INSTALLATION AND MAINTENANCE







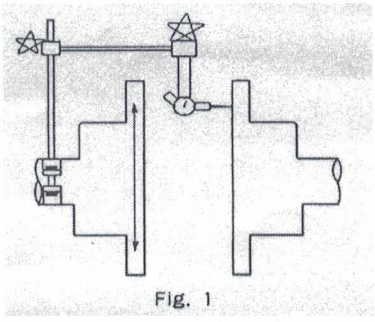


Fig. 1

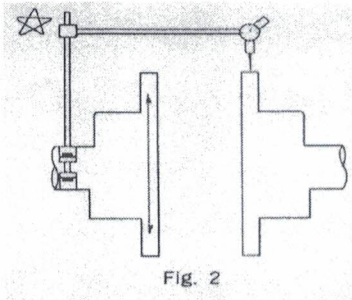


Fig. 2

Size No.		05	10	15	20	25	30	35	40	45	50	55
Gauge Reading (Tir mm.)	4 Bolts	0.12	0.15	0.16	0.20	0.22	0.25	0.29	0.34	0.40	0.43	0.48
G		6.1	6.6	8.4	11.2	11.7	11.7	16.8	17.0	21.6	23.9	27.2

Fastening torque for Bolt

Size No.	05S	10S	15S	20S	25S	30S	35S	40S	45S	50S	55S
Bolt Head Diameter (mm)	10	10	13	13	17	19	19	24	24	27	36
Fastening torque (kgf.m)	0.9	0.9	2.2	2.2	4.2	7.3	7.3	15.9	15.9	22.1	58

Instruction for Installation and Maintennance

1. Distance between shaft ends

   Shaft equipment units to permit coupling in the correct position. See both flange faces (G dimensions) within ± 0.25 mm. except in special cases.

2. Angular misalignment (Fig. 1)

   (a) Fix a dial gauge on one side of hub, rotate hub, find minimum reading on dial gauge at zero.

   (b) Rotate coupling side with dial gauge 360~and readjust dial gauge so it shows smallest deflection reading. Peripheral face deflection for an angular misalignment of 0.1° is as shown in the table.

   (c) Peripheral section of dial gauge may show abnormal deflection at through-hole area of hub. This is due to flaring of flange during working. Avoid this area when reading gauge.

3. Parallel misalignment (Fig. 2)

   (a) To measure parallel misalignment of shafts, fix a dial gauge on the driving side hub and, while rotating the driving shaft, read the dial gauge at the periphery of the driven hub. A parallel misalignment of 2mm per 1,000mm distance between flange faces (D) results in an angular misalignment of 0.1°

   (b) Recheck angular misalignment and verify that it is sufficiently small.

4. To assure the unlimited service life of the coupling, recheck it for parallel and angular misalignment after a short period (1-2 hours) of actual operation. At that time, refasten bolts and nuts using the rated torque. Test results indicate that the permissible maximum number of times nylon nuts may be unfastened and refastened is 14, but it is recommended that the number of times not exceed 10. If this process is repeated 10 times or more, spare nuts should prepared.