

> CAUTION:

Be prepared for strong magnetic attraction between the magnet hubs.

> MATERIAL:

Hub - 416 Stainless Steel
Set Screw - Stainless Steel
Magnet - NdFeB, Nickel Plated

> MISALIGNMENT COMPENSATION:

Max. Angular Offset: 3°
Max. Parallel Offset: 6.35 mm

> MAX. OPERATING TEMPERATURE:

+140°C

> SPECIFICATION:

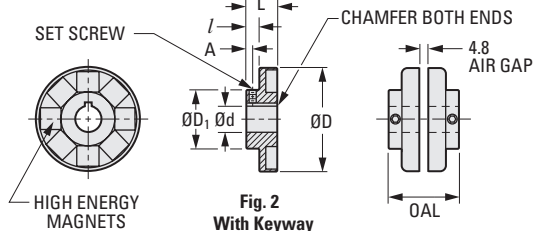
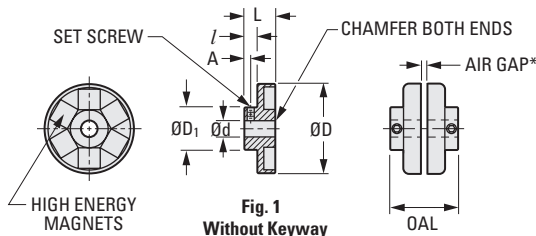
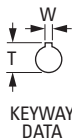
d Tolerance
5 & 6 mm +0.018/0
8 & 10 mm +0.022/0
11 & 12 mm +0.027/0

Air Gap*

Catalog Numbers
S50DCMM27: 3.2 mm
S50DCMM43: 4.8 mm
S50DCMM50: 4.8 mm

> TO MAKE COUPLING:

Select two hub halves with the same O.D. from the table below.



The projections shown are per ISO convention.

Fig. 2 Keyway Dimensions		
Bore	11	12
W Width (+0.05/0)	4	4
T Height (+0.25/0)	12.8	13.8

METRIC COMPONENT

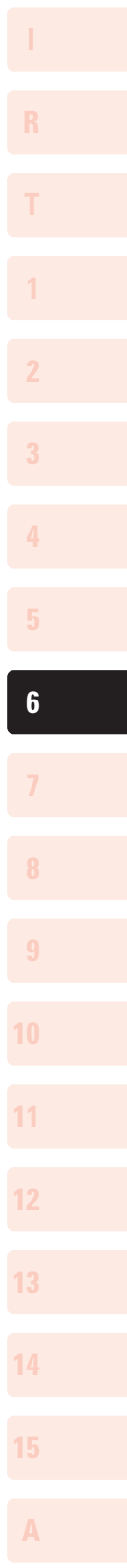
Catalog Number	Fig. No.	D O.D.	d Bore H8	D ₁ Hub Dia.	L	l ₁ Hub Length	A	Set Screw	No. of Magnets
S50DCMM27	1	27	Solid	20.6	16	6.35	3	—	6
S50DCMM27H05			5						
S50DCMM27H06			6						
S50DCMM43		43.7	Solid	20.6	15	6.35	3	—	6
S50DCMM43H05			5						
S50DCMM43H06			6						
S50DCMM50	2	50	Solid	28.5	15	6.35	3	—	8
S50DCMM50H06			6						
S50DCMM50H08			8						
S50DCMM50H10			10						
S50DCMM50H11			11						
S50DCMM50H12			12						

Coupling Series (Ref. Only)	Specifications for Two Hub Halves					
	OAL	Torque N • m	Breakaway Torque N • m	Max. rpm	HP @ 1750 rpm	Max. Weight kg
S50DCMM2...	34.8	0.11	0.16	42500	0.03	0.10
S50DCMM4...		0.5	0.6	26000	0.08	0.22
S50DCMM5...		0.7	0.9	23000	0.17	0.27

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REVISED:
05/22/23



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> MISALIGNMENT COMPENSATION:

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Max. Parallel Offset: 6.35 mm

> MAX. OPERATING TEMPERATURE:

+140°C

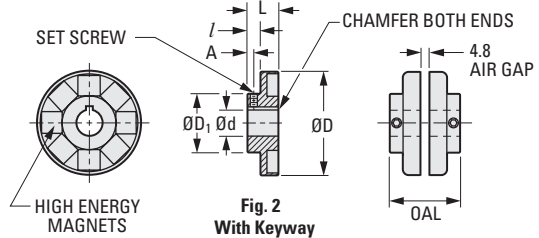
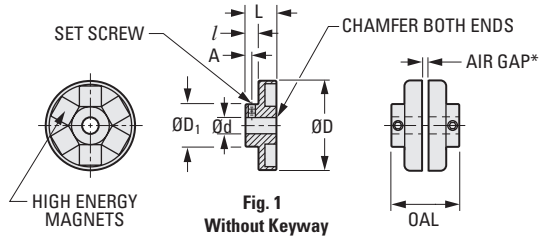
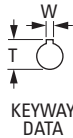
> SPECIFICATION:

d Tolerance
10 mm +0.022/0
11 & 18 mm +0.027/0
19 mm +0.033/0

> TO MAKE COUPLING:

Select two hub halves with the same O.D. from the table below.

Priced Per Hub Half



The projections shown are per ISO convention.

Fig. 2 Keyway Dimensions

Bore	11	12	14	18	19
W Width (+0.05/0)	4	4	5	6	6
T Height (+0.25/0)	12.8	13.8	16.3	20.8	21.8

METRIC COMPONENT

Catalog Number	Fig. No.	D O.D.	d Bore H8	D ₁ Hub Dia.	L	l ₁ Hub Length	A	Set Screw	No. of Magnets
S50DCMM60	1	60	Solid	38	19	9	4	M5	10
S50DCMM60H10			10						
S50DCMM60H11	11								
S50DCMM60H12	12								
S50DCMM60H14	14								
S50DCMM60H18	18								
S50DCMM60H19	2	19							
S50DCMM73		Solid	51	25.4	13.5	7	M5	14	
S50DCMM73H11	11								
S50DCMM73H12	12								
S50DCMM73H14	14								
S50DCMM73H19	19								

Coupling Series (Ref. Only)	Specifications for Two Hub Halves					
	OAL	Torque N • m	Breakaway Torque N • m	Max. rpm	HP @ 1750 rpm	Max. Weight kg
S50DCMM6...	43	1	1.4	19000	0.25	0.55
S50DCMM7...	55.6	1.7	2.3	16000	0.43	1.13

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