

# COUPLING

聯軸器



# COUPLING SPECIFICATION

## H Series



- Made of Hytrel virgin material, known of its high strength and performance.
- The high-elasticity Hytrel material used is very effective in damping and absorbing vibrations and shocks generated owing to sudden speed change of the rotation body.

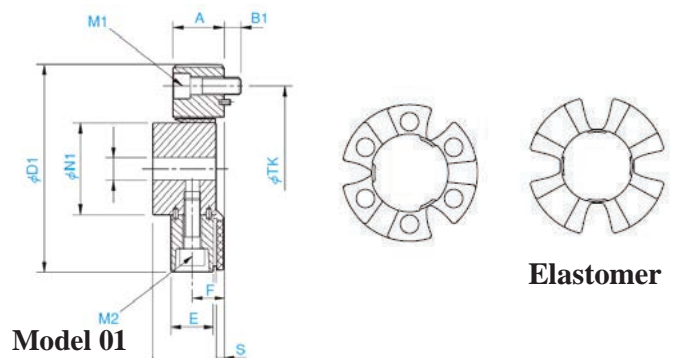
• Features: easy mounting, resistance to heat, low temperature & oil, normal installation conditions can be used for more than 2000 hours.

Note: The service life of product differs from according to various type uses and maintenance status.

Model	Transmittable torque [N • m]	Torsional angle under rated torque[°]	Element material	Operational temp. [°C]	Oil resistance	Permissible misalignment			Feature/Application
						Parallel offset	Angular Misalignment	Axial Displacement	
H	100 ~ 2500	0.2 ~ 0.3	Polyester resin	-40 ~ +120	●	○	△	●	Vibrations and shocks are absorbed. High heat resistance and oil resistance Easy to mount and dismount (Application) Construction machinery

Note: ●○△× Existence (large)←→ Nonexistence (small)

Model	30H	40H	50H	110H	140H	160H
Common Torque (Kg • m)	40	60	22	25	28	40
Maximum torque (Kg • m)	80	120	55	63	70	100
Maximum speed (rpm)	4000	4000	5000	5000	4000	4000
Max permissible angular misalignment	0.5	0.5	0.5	0.5	0.5	0.5
Max permissible parallel offset misalignment (mm)	0.4	0.4	0.4	0.4	0.4	0.4
Max permissible axial displacement misalignment (mm)	±3	±3	±3	±3	±3	±3
Spring set number (kg • cm/rad)	6.03×10 <sup>5</sup>	1.91×10 <sup>5</sup>	1.95×10 <sup>5</sup>	2.85×10 <sup>5</sup>	4.02×10 <sup>5</sup>	5.21×10 <sup>5</sup>
Type 01						
Max. Working Inertia (Kg • cm/sec <sup>2</sup> )	0.19	0.13	0.23	0.38	0.83	0.71
Type 02						
Max. Working Inertia (Kg • cm/sec <sup>2</sup> )	0.47	0.29	0.51	0.84	1.7	1.6

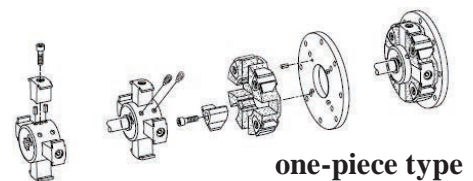


Model	D1	N1	A	B1	E	F	S	TK	M1=M2
30H	205	100	56	15	46	35	10	165	3-M16×50
40H	175	100	50	16	42	31	10	140	4-M16×45
50H	205	100	56	15	46	35	10	165	4-M16×50
110H	225	100	56	18	46	35	10	180	4-M18×55
140H	270	125	59	20	48	37	13	215	4-M20×50
160H	270	125	56	17	50	33	14	215	4-M20×50



ASSEMBLING :

1. Drive the spring pins into the cylindrical hub and fix the aluminum inserts on the cylindrical hub.
2. Mount the cylindrical hub in a spline shaft and fix them by tightening the clamping screws when center lock is used.
3. Drive the spring pins into the flange hub (flywheel side) then attach the aluminum inserts to the element before fixing them on the flange hub.
4. Integrate each component by moving the driving or the driven parts in the axial direction.



# COUPLING SPECIFICATION

## A Series



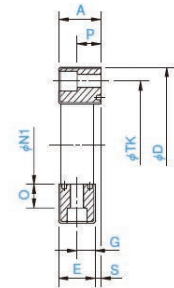
- Made of Hytrel virgin material, known of its high strength and performance.
- Power transmitted by high- elasticity rubber which is resistant to high temperature and very effective in damping and absorbing vibrations and shocks generated owing to sudden speed change of the rotation body.
- Features:easy mounting, resistance to heat & low temperature and with excellent durability assuring , normal installation conditions can be used for more than 2000 hours.

Note:The service life of product differs from according to various type uses and maintenance status.

Model	Transmittable torque [N • m]	Torsional angle under rated torque[°]	Element material	Operational temp. [°C]	Oil resistance	Permissible misalignment			Feature/Application
						Parallel offset	Angular Misalignment	Axial Displacement	
A	10 - 4000	3 - 6	Natural rubber (NR)	-30 ~ +85	×	●	●	●	Vibrations and shocks are absorbed. High flexibility High oil resistance (Application) Construction machinery, vessel, generator, compressor, general industrial machinery

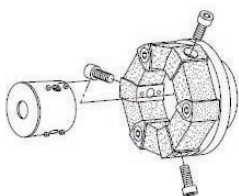
Note: ●◎○△ × Existence (large)←→ Nonexistence (small)

Model	8A	16A	22A	25A	28A	30A	50A
Common Torque (Kg • m)	8	16	22	25	28	40	60
Maximum torque (Kg • m)	20	40	55	63	70	100	150
Maximum speed (rpm)	6500	6000	5000	5000	4000	4000	4000
Max permissible angular misalignment	3	3	3	3	3	3	2
Max permissible parallel offset misalignment (mm)	0.5-1	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5
Max permissible axial displacement misalignment (mm)	±4	±5	±5	±5	±5	±5	±5
Max permissible torque variation (Kg • m/10HZ)	±3.2	±6.4	±8.2	±10	±13	±16	±24
Spring set number (kg • cm/rad)	1.47×104	3.35×104	3.775×104	4.20×104	3.775×104	6.53×104	1.51×104
TType 01							
Max. Working Inertia (Kg • cm/sec <sup>2</sup> )	1.6×10 <sup>-2</sup>	4.4×10 <sup>-2</sup>	2.3×10 <sup>-2</sup>	8.7×10 <sup>-2</sup>	2.3×10 <sup>-2</sup>	2.1×10 <sup>-2</sup>	2.3×10 <sup>-2</sup>
Type 02							
Max. Working Inertia (Kg • cm/sec <sup>2</sup> )	3.8×10 <sup>-2</sup>	1.1×10 <sup>-2</sup>	4.8×10 <sup>-2</sup>	2.1×10 <sup>-2</sup>	4.8×10 <sup>-2</sup>	4.8×10 <sup>-2</sup>	5.1×10 <sup>-2</sup>



Model 00

Model	D	N1	A	E	G	O	P	S	TK	M1=M2
8A	120	60	32	28	14	20	20	4	100	3-M10×30
16A	150	70	42	36	18	25	24	6	125	3-M12×35
22A	150	70	42	36	18	25	24	6	125	4-M12×35
25A	170	85	46	40	20	26	26	6	140	3-M14×40
28A	170	85	46	40	20	26	26	6	140	4-M14×40
30A	200	100	58	50	25	33	35	8	165	3-M16×50
50A	200	100	58	50	25	33	35	8	165	4-M16×50

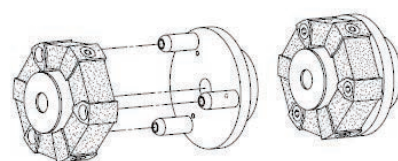


Type O

### ASSEMBLING

#### Type O:

As illustrated, drive the spring pins into the cylindrical hub. Mount the rubber body on the flange hub first and then inset the cylindrical hub.



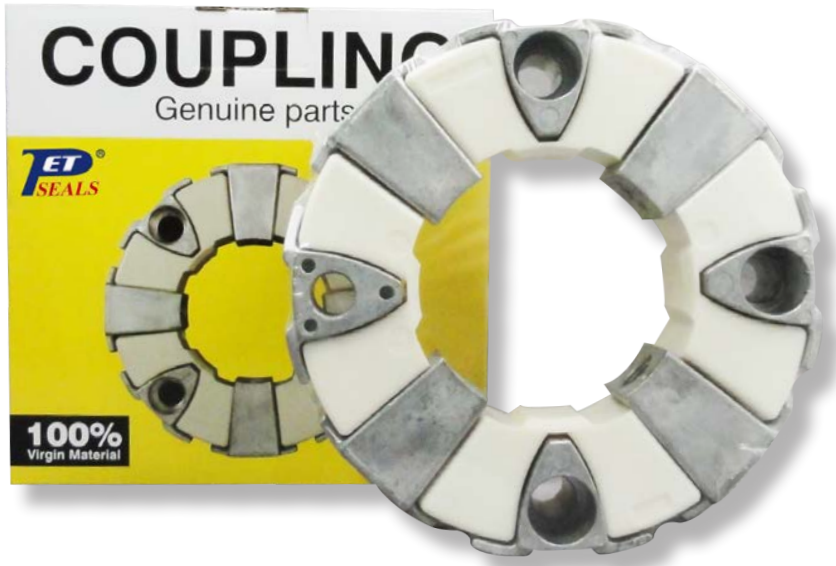
Type S

### ASSEMBLING

#### Type S:

As illustrated, drive the spring pins into the cylindrical hub and fix the S bolts on the flange hub. Mount the rubber body in the cylindrical hub first and then push them into the S bolts to assemble.

# COUPLING SPECIFICATION



2A



8A



22A



25A



28A



50A



50AS



90A



140A



16H



25H



30H



35H



45H



90H



110H



140H



160H



240H



# COUPLING SPECIFICATION



ITEM		MODEL	ITEM		MODEL
COUPLING 2A		GENERATOR	COUPLING 16H		Yanmar B50
COUPLING 2AS			COUPLING 25H		R60/DH-60/ZAX-55
COUPLING 4A		EX-40	COUPLING 30H		BLADE GRADER
COUPLING 4AS		LIFT TRUCK	COUPLING 35H		ZAX120
COUPLING 8A		PC10/20	COUPLING 40H		EX200-2
COUPLING 8AS		LIFT-TRUCK	COUPLING 45H		ZAX210/200,EX200-5
COUPLING 16A		PC60	COUPLING 50H		EX200-1~2/SK200
COUPLING 16AS		PC40-5	COUPLING 90H		SK210/235/250
COUPLING 22A			COUPLING 110H		EX220/270/300,LS-3400
COUPLING 22AS		SK-045	COUPLING 140H		HD880,HD1250
COUPLING 25A		LIFT-TRUCK	COUPLING 160H		CAT 330
COUPLING 25AS			COUPLING 240H		SK450
COUPLING 28A		EX120-2			
COUPLING 28AS					
COUPLING 30A		MS-070			
COUPLING 30AS		EX60/EX120-2			
COUPLING 50A		SK-120,MS-110/MS-140			
COUPLING 50AS		EX120-1			
COUPLING 50AC	14T	E-200B			
COUPLING 50ACM	14T				
COUPLING 50AM	16T	MS180-8			
COUPLING 50ASM	20T	LS2800			
COUPLING 90A		GENERATOR			
COUPLING 90AS					
COUPLING 140A		BAR LIFT			
COUPLING 140AS					



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