

S METRIC Fairloc® Hub Acetal Spur Gears - Module 0.8

■ ISO CLASS 7

■ 20° PRESSURE ANGLE

■ 5 mm FACE WIDTH

■ 5, 8 & 10 mm BORE

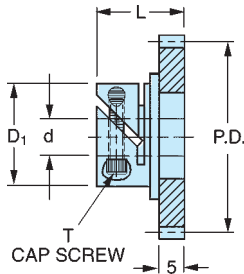


Fig. 1

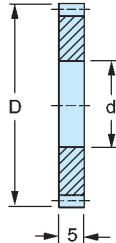


Fig. 2

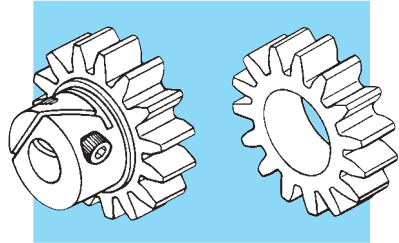


Fig. 1	Bore Ref.	T	D ₁	L
	5	M2.5	14	13.5
	8	M3	17	14.8

MATERIALS: Gear – Acetal
Hub – 303 Stainless Steel

Catalog Number			No. of Teeth	P.D.	D
FAIRLOC® TYPE HUB GEAR (Fig. 1)		HUBLESS (Fig. 2)			
d = ø5 H7	d = ø8 H7	d = ø10 H8			
S1VZ08M020T0505	S1VZ08M020T0508	S12M08M020N0510	20	16	17.6
S1VZ08M021T0505	S1VZ08M021T0508	S12M08M021N0510	21	16.8	18.4
S1VZ08M023T0505	S1VZ08M023T0508	S12M08M023N0510	23	18.4	20
S1VZ08M024T0505	S1VZ08M024T0508	S12M08M024N0510	24	19.2	20.8
S1VZ08M026T0505	S1VZ08M026T0508	S12M08M026N0510	26	20.8	22.4
S1VZ08M028T0505	S1VZ08M028T0508	S12M08M028N0510	28	22.4	24
S1VZ08M030T0505	S1VZ08M030T0508	S12M08M030N0510	30	24	25.6
S1VZ08M032T0505	S1VZ08M032T0508	S12M08M032N0510	32	25.6	27.2
S1VZ08M036T0505	S1VZ08M036T0508	S12M08M036N0510	36	28.8	30.4
S1VZ08M040T0505	S1VZ08M040T0508	S12M08M040N0510	40	32	33.6
S1VZ08M042T0505	S1VZ08M042T0508	S12M08M042N0510	42	33.6	35.2
S1VZ08M044T0505	S1VZ08M044T0508	S12M08M044N0510	44	35.2	36.8
S1VZ08M046T0505	S1VZ08M046T0508	S12M08M046N0510	46	36.8	38.4
S1VZ08M048T0505	S1VZ08M048T0508	S12M08M048N0510	48	38.4	40
S1VZ08M050T0505	S1VZ08M050T0508	S12M08M050N0510	50	40	41.6
S1VZ08M052T0505	S1VZ08M052T0508	S12M08M052N0510	52	41.6	43.2
S1VZ08M056T0505	S1VZ08M056T0508	S12M08M056N0510	56	44.8	46.4
S1VZ08M060T0505	S1VZ08M060T0508	S12M08M060N0510	60	48	49.6
S1VZ08M064T0505	S1VZ08M064T0508	S12M08M064N0510	64	51.2	52.8
S1VZ08M066T0505	S1VZ08M066T0508	S12M08M066N0510	66	52.8	54.4
S1VZ08M072T0505	S1VZ08M072T0508	S12M08M072N0510	72	57.6	59.2
S1VZ08M080T0505	S1VZ08M080T0508	S12M08M080N0510	80	64	65.6
S1VZ08M084T0505	S1VZ08M084T0508	S12M08M084N0510	84	67.2	68.8
S1VZ08M088T0505	S1VZ08M088T0508	S12M08M088N0510	88	70.4	72
S1VZ08M092T0505	S1VZ08M092T0508	S12M08M092N0510	92	73.6	75.2
S1VZ08M096T0505	S1VZ08M096T0508	S12M08M096N0510	96	76.8	78.4
S1VZ08M104T0505	S1VZ08M104T0508	S12M08M104N0510	104	83.2	84.8
S1VZ08M108T0505	S1VZ08M108T0508	S12M08M108N0510	108	86.4	88
S1VZ08M112T0505	S1VZ08M112T0508	S12M08M112N0510	112	89.6	91.2
S1VZ08M124T0505	S1VZ08M124T0508	S12M08M124N0510	124	99.2	100.8

- ISO CLASS 3
- 5 mm FACE WIDTH

- 20° PRESSURE ANGLE
- 5, 8 & 10 mm BORE

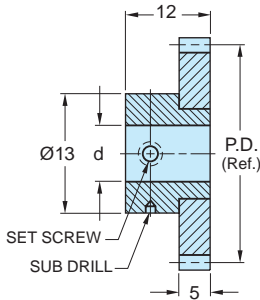


Fig. 1

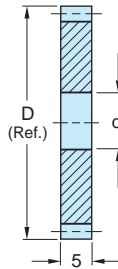
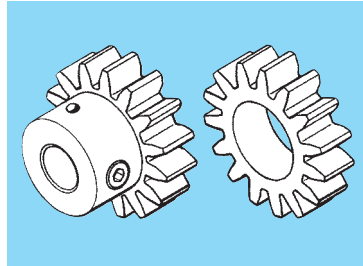


Fig. 2



S Precision Component

MATERIALS: Gear – Acetal
Hub – 303 Stainless Steel

Catalog Number			No. of Teeth	P.D. (Ref.)	D (Ref.)
PIN TYPE HUB GEAR (Fig. 1)		HUBLESS (Fig. 2)			
d = Ø5 H7	d = Ø8 H7	d = Ø10 H8			
S10Z08M020T0505	S10Z08M020T0508	S12M08M020N0510	20	16	17.6
S10Z08M021T0505	S10Z08M021T0508	S12M08M021N0510	21	16.8	18.4
S10Z08M023T0505	S10Z08M023T0508	S12M08M023N0510	23	18.4	20
S10Z08M024T0505	S10Z08M024T0508	S12M08M024N0510	24	19.2	20.8
S10Z08M026T0505	S10Z08M026T0508	S12M08M026N0510	26	20.8	22.4
S10Z08M028T0505	S10Z08M028T0508	S12M08M028N0510	28	22.4	24
S10Z08M030T0505	S10Z08M030T0508	S12M08M030N0510	30	24	25.6
S10Z08M032T0505	S10Z08M032T0508	S12M08M032N0510	32	25.6	27.2
S10Z08M036T0505	S10Z08M036T0508	S12M08M036N0510	36	28.8	30.4
S10Z08M040T0505	S10Z08M040T0508	S12M08M040N0510	40	32	33.6
S10Z08M042T0505	S10Z08M042T0508	S12M08M042N0510	42	33.6	35.2
S10Z08M044T0505	S10Z08M044T0508	S12M08M044N0510	44	35.2	36.8
S10Z08M046T0505	S10Z08M046T0508	S12M08M046N0510	46	36.8	38.4
S10Z08M048T0505	S10Z08M048T0508	S12M08M048N0510	48	38.4	40
S10Z08M050T0505	S10Z08M050T0508	S12M08M050N0510	50	40	41.6
S10Z08M052T0505	S10Z08M052T0508	S12M08M052N0510	52	41.6	43.2
S10Z08M056T0505	S10Z08M056T0508	S12M08M056N0510	56	44.8	46.4
S10Z08M060T0505	S10Z08M060T0508	S12M08M060N0510	60	48	49.6
S10Z08M064T0505	S10Z08M064T0508	S12M08M064N0510	64	51.2	52.8
S10Z08M066T0505	S10Z08M066T0508	S12M08M066N0510	66	52.8	54.4
S10Z08M072T0505	S10Z08M072T0508	S12M08M072N0510	72	57.6	59.2
S10Z08M080T0505	S10Z08M080T0508	S12M08M080N0510	80	64	65.6
S10Z08M084T0505	S10Z08M084T0508	S12M08M084N0510	84	67.2	68.8
S10Z08M088T0505	S10Z08M088T0508	S12M08M088N0510	88	70.4	72
S10Z08M092T0505	S10Z08M092T0508	S12M08M092N0510	92	73.6	75.2
S10Z08M096T0505	S10Z08M096T0508	S12M08M096N0510	96	76.8	78.4
S10Z08M104T0505	S10Z08M104T0508	S12M08M104N0510	104	83.2	84.8
S10Z08M108T0505	S10Z08M108T0508	S12M08M108N0510	108	86.4	88
S10Z08M112T0505	S10Z08M112T0508	S12M08M112N0510	112	89.6	91.2
S10Z08M124T0505	S10Z08M124T0508	S12M08M124N0510	124	99.2	100.8

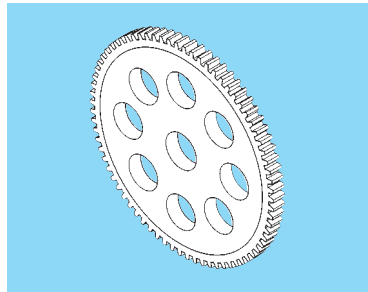
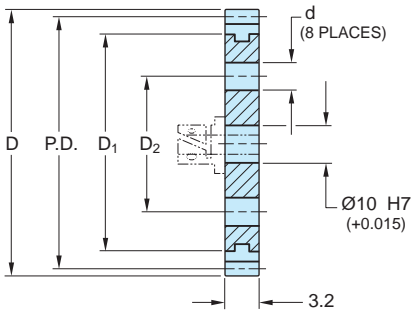
Available as special order: 14-1/2° P.A., teeth not listed, different bore size, or assembled onto Fairloc® Integral Fastener Hubs.

■ ISO CLASS 7

■ 20° PRESSURE ANGLE

■ 3.2 mm FACE

■ 10 mm BORE



S Precision Component

MATERIAL: Core – Aluminum 2024-T3, Chemical Filmed
Rim – Acetal

Catalog Number	No. of Teeth	P.D.	D	D ₁ Dia.	d Dia.	D ₂ Dia.
S12Z08M028N0310	28	22.4	24	16	—	—
S12Z08M032N0310	32	25.6	27.2	—	—	—
S12Z08M035N0310	35	28	29.6	—	—	—
S12Z08M036N0310	36	28.8	30.4	22.2	—	—
S12Z08M040N0310	40	32	33.6	—	—	—
S12Z08M042N0310	42	33.6	35.2	—	—	—
S12Z08M045N0310	45	36	37.6	28.6	—	—
S12Z08M048N0310	48	38.4	40	—	—	—
S12Z08M050N0310	50	40	41.6	34.9	—	—
S12Z08M055N0310	55	44	45.6	—	—	—
S12Z08M060N0310	60	48	49.6	—	—	—
S12Z08M064N0310	64	51.2	52.8	41.3	5.5	20.6
S12Z08M065N0310	65	52	53.6	—	—	—
S12Z08M070N0310	70	56	57.6	47.7	8	27.8
S12Z08M072N0310	72	57.6	59.2	—	—	—
S12Z08M075N0310	75	60	61.6	54	—	—
S12Z08M080N0310	80	64	65.6	54	9.5	35
S12Z08M085N0310	85	68	69.6	60.4	—	—
S12Z08M090N0310	90	72	73.6	66.7	9.5	44.5
S12Z08M096N0310	96	76.8	78.4	—	—	—
S12Z08M112N0310	112	89.6	91.2	79.4	9.5	44.5
S12Z08M128N0310	128	102.4	104	92.1	—	—

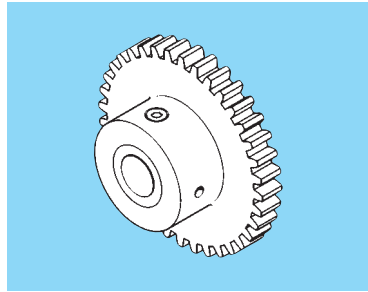
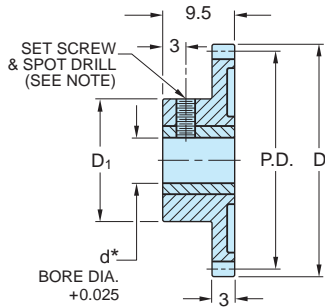
See Index for hubs. Assembled upon request at a nominal charge.



■ ISO CLASS 9

■ 20° PRESSURE ANGLE

■ 3 mm FACE WIDTH



QUALITY CLASS



1 GEARS

CATALOG NUMBER DESIGNATION:

A 1 P 2 M Y D 0 8

- No. of Teeth
- * Bore Code
 - A 3 mm Dia.
 - B 4 mm Dia.
 - C 5 mm Dia.
 - D 6 mm Dia.

MATERIAL: Gear - Acetal
Insert - Brass

Basic Catalog Number	No. of Teeth	P.D.	D	D ₁ Hub Dia.
A 1 P 2MYD08020 <input type="checkbox"/>	20	16	17.6	13
A 1 P 2MYD08022 <input type="checkbox"/>	22	17.6	19.2	
A 1 P 2MYD08024 <input type="checkbox"/>	24	19.2	20.8	
A 1 P 2MYD08025 <input type="checkbox"/>	25	20	21.6	
A 1 P 2MYD08026 <input type="checkbox"/>	26	20.8	22.4	
A 1 P 2MYD08028 <input type="checkbox"/>	28	22.4	24	
A 1 P 2MYD08030 <input type="checkbox"/>	30	24	25.6	16
A 1 P 2MYD08032 <input type="checkbox"/>	32	25.6	27.2	
A 1 P 2MYD08034 <input type="checkbox"/>	34	27.2	28.8	
A 1 P 2MYD08035 <input type="checkbox"/>	35	28	29.6	
A 1 P 2MYD08036 <input type="checkbox"/>	36	28.8	30.4	
A 1 P 2MYD08038 <input type="checkbox"/>	38	30.4	32	
A 1 P 2MYD08042 <input type="checkbox"/>	40	32	33.6	
A 1 P 2MYD08042 <input type="checkbox"/>	42	33.6	35.2	

Basic Catalog Number	No. of Teeth	P.D.	D	D ₁ Hub Dia.
A 1 P 2MYD08044 <input type="checkbox"/>	44	35.2	36.8	16
A 1 P 2MYD08045 <input type="checkbox"/>	45	36	37.6	
A 1 P 2MYD08048 <input type="checkbox"/>	48	38.4	40	
A 1 P 2MYD08050 <input type="checkbox"/>	50	40	41.6	19
A 1 P 2MYD08052 <input type="checkbox"/>	52	41.6	43.2	
A 1 P 2MYD08055 <input type="checkbox"/>	55	44	45.6	
A 1 P 2MYD08056 <input type="checkbox"/>	56	44.8	46.4	
A 1 P 2MYD08060 <input type="checkbox"/>	60	48	49.6	
A 1 P 2MYD08064 <input type="checkbox"/>	64	51.2	52.8	
A 1 P 2MYD08065 <input type="checkbox"/>	65	52	53.6	
A 1 P 2MYD08070 <input type="checkbox"/>	70	56	57.6	
A 1 P 2MYD08072 <input type="checkbox"/>	72	57.6	59.2	
A 1 P 2MYD08075 <input type="checkbox"/>	75	60	61.6	
A 1 P 2MYD08080 <input type="checkbox"/>	80	64	65.6	

NOTE: Gears under 40 teeth have no webs.

Gears with 3 mm & 4 mm bore have M2.5 set screw & spot drill.
5 mm & 6 mm bore have M3 set screw & spot drill.