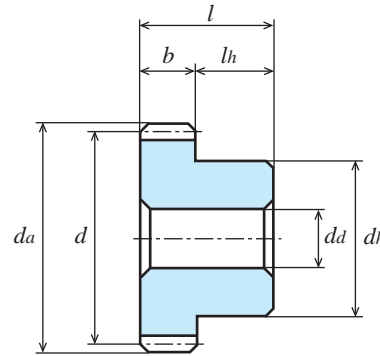


# 平歯車 SPUR GEARS

モジュール **0.8** 圧力角 20° (並歯)  
MODULE 20° PRESSURE ANGLE FULL DEPTH TOOTH

JIS B 1702-1 (ISO) 8級 (高周波焼入品: 9級)  
System of accuracy: JIS B 1702-1(ISO) class 8  
(Induction hardened products: class 9)



B1形  
TYPE B1

## S45C 機械構造用炭素鋼 (JIS G 4051) Material: Carbon Steel (ISO C45)

単位: mm  
Dimensions: mm

商品記号 Catalogue Number	歯数 Number of Teeth <i>z</i>	基準円直径 Reference Diameter <i>d</i>	歯先円直径 Tip Diameter <i>da</i>	形 Type	歯幅 Face Width <i>b</i>	穴径 Bore Diameter <i>da(H8)</i>	ハブ外径 Hub Diameter <i>dh</i>	ハブ長さ Hub Projection <i>lh</i>	全長 Overall Length <i>l</i>	重量 Weight <i>W(g)</i>
● S80S 25BF - 0805	25	φ20	φ21.6	B1	8	φ5	φ16	10	18	32.5
● S80S 25B - 0805H	25	φ20	φ21.6	B1	8	φ5(H※)	φ16	10	18	32.5
● S80S 30BF - 0805	30	φ24	φ25.6	B1	8	φ5	φ20	10	18	50.1
● S80S 30B - 0805H	30	φ24	φ25.6	B1	8	φ5(H※)	φ20	10	18	50.1
● S80S 40BF - 0806	40	φ32	φ33.6	B1	8	φ6	φ25	10	18	84.7
● S80S 40B - 0806H	40	φ32	φ33.6	B1	8	φ6(H※)	φ25	10	18	84.7
● S80S 50BF - 0806	50	φ40	φ41.6	B1	8	φ6	φ28	10	18	122.9
● S80S 50B - 0806H	50	φ40	φ41.6	B1	8	φ6(H※)	φ28	10	18	122.9

●の商品は新商品です。  
Products with ● marks are new item.

カタログ記号の末尾に【H】を付した商品は歯部高周波焼入済です。Gear tooth surface completed with induction hardening, Hardness HRC47 to 53.  
※  
歯部高周波焼入後の穴修正は行っていません。Bore correcting after induction hardening is not completed.  
追加加工の際は、追加加工時の注意をご参照ください。Please refer to Precaution for additional process when additional process.

### 許容伝達動力表 曲げ強さ (W)

Allowable transfer capability table (W) Bending Strength

商品記号 Catalogue Numbers	回転速度 (min <sup>-1</sup> ) revolution/min						
	10	100	200	400	800	1,200	1,500
S80S 25BF - 0805	5.52	55.18	110.37	220.74	441.48	637.09	761.80
S80S 25B - 0805H	5.85	58.46	116.91	233.83	467.65	677.83	813.51
S80S 30BF - 0805	7.07	70.68	141.37	282.73	565.46	848.19	936.16
S80S 30B - 0805H	7.50	74.96	149.93	299.85	599.22	841.29	1,003.36
S80S 40BF - 0806	10.28	102.83	205.66	411.32	782.43	1,071.87	1,256.58
S80S 40B - 0806H	10.90	109.02	218.04	436.08	833.49	1,149.74	1,355.60
S80S 50BF - 0806	13.57	135.71	271.42	542.84	985.16	1,326.95	1,556.59
S80S 50B - 0806H	14.38	143.82	287.65	575.29	1,053.52	1,430.70	1,686.59

The above references are JGMA standard.

動力の換算式は P26 をご参照ください。Please refer to the conversion formulas of power on page P26.

### 許容伝達動力表 歯面強さ (W)

Allowable transfer capability table (W) Surface Durability

	回転速度 (min <sup>-1</sup> ) revolution/min						
	10	100	200	400	800	1,200	1,500
	0.26	2.62	5.24	10.47	20.94	31.41	37.70
	1.16	12.85	26.48	54.61	112.59	166.11	201.30
	0.38	3.77	7.54	15.50	31.00	43.98	51.83
	1.70	18.82	38.80	80.02	164.78	235.47	283.64
	0.69	7.02	14.03	28.06	54.45	75.40	89.53
	3.11	34.39	70.89	146.17	287.99	404.36	481.47
	1.12	11.20	22.41	45.24	83.77	115.61	138.22
	4.96	54.88	113.15	233.26	440.39	608.71	724.70