

DEX20 DEX40

1.Characteristic

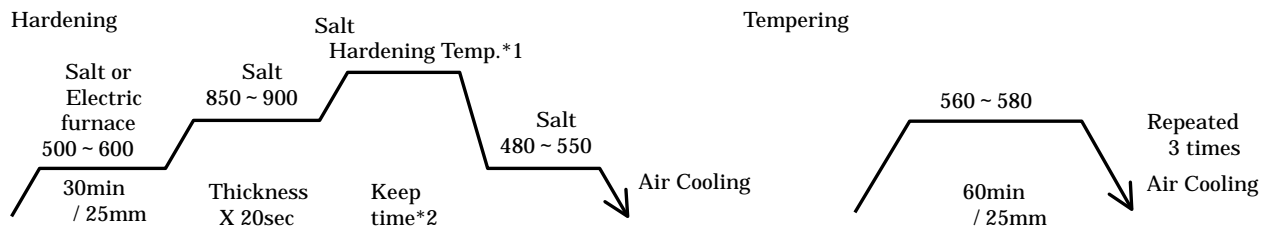
- [1] High wear resistance & High compressive strength (High hardness)
- [2] High Toughness & High Quality (Daido's fine powder manufacturing process)

2. Chemical composition

Grade	C	Cr	Mo	W	V	Co
DEX20	1.3	4.0	5.0	6.5	3.0	-
DEX40	1.3	4.0	5.0	6.5	3.0	8.0

3. Heat treatment conditions

Grade	Annealing	Haedness (HB)	Hardening ()	Tempering ()	Hardness (HRC)	Purpose
DEX20	800 ~ 880 Slow cooling	285	1180 ~ 1220	540 ~ 570	64	For wear resistance
			1100 ~ 1190	550 ~ 580	60	For high toughness
DEX40	800 ~ 880 Slow cooling	285	1180 ~ 1220	540 ~ 590	65	For wear resistance
			1100 ~ 1190	540 ~ 600	62	For high toughness



*1: Hardening Temperature [Salt bath]

Grade	For high toughness	For wear resistance
DEX20	1100 (60 ~ 62HRC)	1180 (63 ~ 65HRC)
DEX40	1100 (63 ~ 65HRC)	1180 (65 ~ 67HRC)

*2: Standard Keeping time

Size D (Dia or Thickness mm)	Immersing time(Sec)
8 and under	12 D
8 ~ 20	10 D
20 ~ 50	8 D
50 ~ 70	7 D
70 ~ 100	6 D
100 and over	5 D

4. Technical data

Tempering hardness

Deflection test

