

IGP ENGINEERS PVT LTD					
Manufacturer's Hardness Range – RTJ GASKETS					
MATERIAL	Max		MATERIAL	Max	
	HRB	HBW		HRB	HBW
SOFT IRON	56	90 ^a	A105	...	187
CARBON & LOW ALLOYS STEEL	68	120	LF2	...	197
F5	72	130	AISI 4130	82	156
F9	83	160	AISI 4140	92	197
F11	83	160	TITANIUM GR-1	83	160
F22	83	160	TITANIUM GR-2	83	160
F91	83	160	TITANIUM GR-5	83	160
SS304	83	160	MONEL 400	72	130
SS304L	83	160	INCONEL 600	83	160
SS304N	83	160	INCONEL 625	...	190
SS304H	83	160	INCONEL 800	83	160
SS309	83	160	INCONEL 800H	83	160
SS310	83	160	INCONEL 825	83	160
SS310H	83	160	INCONEL 718 ^c	...	333 Min
SS316	83	160	ALLOY 20	83	160
SS316 LH ^b	73	135	ALLOY 2205 (UNS S31803)	...	230
SS316L	83	160	DUPLEX UNS S31803	...	230
SS316L LH ^b	73	135	DUPLEX UNS S32205	...	230
SS316 Ti	83	160	DUPLEX UNS S32750	...	270
SS316N	83	160	DUPLEX UNS S32760	...	270
SS316H	83	160	HASTELLOY C276	94	204
SS317	83	160	17-4 PH ^d	...	363
SS317L	83	160	NICKEL 200	68	120
SS321	83	160	NICKEL 201	68	120
SS321H	83	160	F6a Class-3 (SS410)	...	170
SS347	83	160	SMO254-UNS S31254	89	180
SS347H	83	160
904 L	83	160

Note:

- 90 BHN provided by using 500Kgf load with 10mm Ball.
- LH - Low Hardness
- Hardness of INCONEL 718 is after Precipitation Hardening treatment.
- Hardness of 17-4 PH is after Double Age Hardening treatment.