



ITEM	PART NAME	QTY	DIMENSION	MATERIAL	SURF	PART NO.	WEIGH	REMARKS
1	BODY ASSEMBLY	1	AS SHOWN	AISI 4140	25 ± 2	11950		DIN 1.7225
2	CLAVIS LINK	2	AS SHOWN	AISI	HRC	10431		DIN
3	PIN	1	AS SHOWN	AISI	22 HRC	11933		DIN 25
4	COTTER PIN	4	SIZE=5/16"	4140		---		DIN 9138
5	GREASE FITTING (90°)	1	SIZE=1/8"			53033		DIN
6	ADJUST NUT	2	AS SHOWN	AISI	22 HRC	11932		DIN 12
7	GREASE FITTING	8	SIZE=1/8"	4140		---		DIN 25
8	ROLLER ARM	2	AS SHOWN	AISI 4140	25 ± 2	10428		DIN 1.7225
9	O-RING	4	AS SHOWN	NBR	80 Shore	10807E		
10	DRIVE ROLLER	2	AS SHOWN	A 150 HB		10435		
11	DRIVE ROLLER SEAL	4	AS SHOWN	AA R NO. 700	80 Shore	10742		
12	DRIVE ROLLER SHAFT	2	AS SHOWN	AISI	A 22 HRC	12054		DIN
13	DRIVE ROLLER KEY	2	AS SHOWN	4045	210 HB	10453		DIN 25
14	BEARING HOUSING	4	AS SHOWN	AISI	38 ± 2	12081		DIN 91
15	NEEDLE ROLLER BEARING	4	BR 405228	4140	HRC	12047		1.7225
16	RETAINING RING	4	SIZE=3/14"			10905.05		ANSI B27.7-1977
17	DRIVESHAFT SPACER	4	AS SHOWN	CK 45	210 HB	12088		DIN
18	THRUST BEARING	2	AS SHOWN	UNS NO.	95 HB	12083		ASTM A591
19	GEAR SPACER	2	AS SHOWN	C8420R 45	210 HB	12084		DIN 25
20	DRIVE GEAR	3	AS SHOWN	AISI	55 HRC	10629		1.1191
21	DRIVE ROLLER KEY	3	AS SHOWN	60345	210 HB	13180		DIN
22	RETAINING WASHER	5	AS SHOWN	CK 45	210 HB	10664		DIN 91
23	SLOTTER HEX. NUT	5	3/4"-10 UNC			10012-C		B.S. 1191
24	COTTER PIN	5	SIZE=1/4"			11400.12		ANSI B18.3-1972
25	RETAINING WASHER	2	AS SHOWN	CK 45	210 HB	12082		DIN
26	BEARING COVER GASKET	2	AS SHOWN	4045	HRC	10882		DIN 91
27	HEX. BOLT	8	5/16"-18X1.318"			10010-C		1.7225
28	NEEDLE ROLLER BEARING	8	SIZE=5/8"			10010-C		B.S.
29	NEEDLE ROLLER BEARING	8	SIZE=5/8"			10010-C		ANSI B18.3-1972
30	SOCKET HEAD CAP SCREW	4	5/16"-18 UNCX2.5"			---		ANSI B18.3-1982
31	IDLER GEAR SHAFT	2	AS SHOWN	AISI	50 HRC	10630		
32	KEY	2	AS SHOWN	AISI	22 HRC	12055-14		DIN
33	SPACER	1	AS SHOWN	4045	170 HB	10451		DIN 25
34	THRUST WASHER	4	AS SHOWN	UNS NO. C84200	95 HB	10650		ASTM A591
35	IDLER GEAR	2	AS SHOWN	AISI	55 HRC	10629		
36	NEEDLE ROLLER BEARING	4	BR 162416	6523	10658			AFBMA 18.2.3.2
37	GEAR COVER	1	AS SHOWN	AISI	25 ± 2 HRC	10429		DIN 1.7225
38	GEAR COVER GASKET	1	AS SHOWN	4045	HRC	10429		
39	DOWEL PIN	2	3/8" x 1.5"			12047		ANSI B18.8.2-1976
40	HEX. HEAD SCREW	8	1/2"-13 UNCX1.5"			10010-C		B.S.
41	HEX. HEAD SCREW	9	SIZE=1/2"			10010-C		ANSI B18.3-1972
42	DETENT ROLLER ARM	2	AS SHOWN	AISI 4140	22 HRC	10569		DIN 1.7225
43	BRACKET WELDMENT	1	AS SHOWN	S15	170HB	15980		DIN 1.0552
44	HEX. NUT	4	5/8"-18	2	10098-C			AISI B18.2.2-1972
45	WASHER	4	SIZE=5/8"			10010-C		AISI B18.2.2 M-1981
46	PIPE SUPPORT	1	AS SHOWN	S15	170	14776		DIN 1.0552
47	HEX. HEAD SCREW	2	5/16"-18 UNCX3/4"			10010-C		B.S.
48	HEX. HEAD SCREW	2	SIZE=5/16"			10010-C		ANSI B18.3-1972
49	HANDLE SUPPORT	1	AS SHOWN			15144		
50	SOCKET HEAD CAP SCREW	2	5/16"-18 UNCX3.25"			---		ANSI B18.3-1982
51	BOTTOM GUARD	1	AS SHOWN	S15	170HB	11152		DIN 1.0552
52	HEX. BOLT	2	1/2"-13 UNCX3.5"			---		B.S.
53	ROLLER	2	AS SHOWN	AISI 4140(US)	37 HRC	---		ANSI B18.2.2-1972
54	THRUST WASHER	4	AS SHOWN	C3771		---		1.7225
55	SEAL	4	AS SHOWN	O NBR	90 Shore A	---		S
56	NEEDLE ROLLER BEARING	6	BR			---		
57	PRESSURE ROLLER PIN	2	AS SHOWN	AISI	38 ± 2	15136		DIN
58	DOWEL PIN	2	1/4" X 1.5/16	4140	HRC	51204.6		ANSI B18.8.2-1976
59	HINGE PIN CLIP	2	SIZE=7/5			10576		NMG 475
60	HANGER	1	AS SHOWN	AISI 4140	25 ± 2	10452		DIN 1.7225
61	PIN	2	AS SHOWN	AISI 4140	HRC	---		DIN
62	SHACKLE	1	AS SHOWN	S1	165H	---		DIN 25
63	PIN	1	AS SHOWN	AISI 4140	22 HRC	---		DIN 80
64	SOCKET HEAD CAP SCREW	3	1/4"-28 UNFX2"			---		ANSI B18.3-1982
65	HEX. HEAD PLUG	1	AS SHOWN			10470		ASME B16.11-2001
66	TUBE LONG	1	AS SHOWN	CK45		10469		
67	TUBE SHORT	1	AS SHOWN	CK45		10471		
68	VALVE SUPPLY TUBE	1	AS SHOWN	CK45		17091		
69	TUBE VALVE	1	AS SHOWN	CK45		17091		
70	VALVE CHECK LINE	1	AS SHOWN	CK45		17091		

NOTE : After Assembly all out side painting by RED Color than rollers and valves.

REV	DATE	NAME	SIGN	BY	DATE	BY	DATE
SKETCH	90/07/01	A.Ghanbari					
DRAWN	90/07/07	A.Ghanbari					
CHECKED	03/07/10	J.Motedayer					
APPROVED	03/07/15	SHEVBANI					

SCALE	TITLE	M.E.S.C. NO.	1 OF 31
1:4	Spinning Wrench-SSW10		
	PART NO.	SHEET	SH-P01.103
	SIZE	SWG NO.	
	A0		